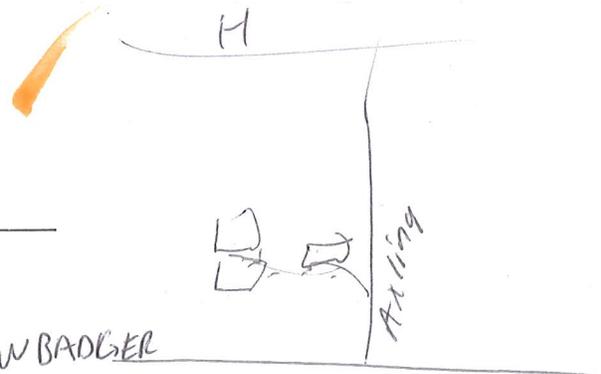


A. Site inventory

SCOTT/2011



LANDOWNER: _____

OPERATOR: GREGORY SMIT

1-3

AGID: 5375 FARM NAME: GREG SMIT DAIRY

W BADGER

LAGOON ID: 5375-1 N Lat: 48.971223 Long: -122.517461

Phones: (360) 354-2649 Cell: _____

FARM ADDRESS: 9041 AXLING ROAD LYNDEN WA 98264

REVIEW INVENTORY DATE: 9/13/2012

MANURE/ EFFLUENT LEVEL: 0 %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 8 FT.

Completed by: [Signature] Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)

DATE: _____

WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: 9/13/2012

Weather: Sunny

Temperature: 78

Soil surface: dry, moist, wet, saturated, standing water, frozen, snow covered

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?		/	
a. Due to wave action?			
b. In vicinity of waste inlet structure?			
c. Due to erosion from rainfall?			
d. Near agitation equipment access points?			
2. Pond was constructed <u>with</u> a liner?			
a. Erosion of liner material?			/
b. Damaged material (holes, tears, seams)?			
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
3. Signs of embankment damage?			
a. Due to burrowing animals?			
b. Presence of trees or woody vegetation?			
c. Presence of large weeds?			
d. Evidence of overtopping of embankment?			
e. Evidence of soil erosion or gully on embankment?			
f. Evidence of cracks in embankment soils?			
g. Damp, soft, or slumping areas on berm?			
h. Seepage near bottom of berm slope?			
i. Seepage around pipes thru berm?			

COMMENTS:

AGID: 5375

FARM NAME: GREG SMIT DAIRY

LAGOON ID: 5375-1

Lat: 48.971223

Long: -122.517461

OPERATION AND MAINTENANCE

If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in **REPORT** section

SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?		X	
a. Is liquid level marker visible?		X	
b. Is storage capacity available for freeboard when pond is full?	X		
2. Are manure pump and transfer pipes functioning?	X		
3. Are recycling pumps and transfer pipes functioning?	X		
4. Is pond overflow pipe/structure clear and unobstructed?	X		
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			
6. All roof water or clean runoff is diverted from storage?			
7. Diversions/waterways maintained?			
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?	X		
9. Waste storage pond access fenced and properly marked?		X	
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?	X		
11. Solids managed to <u>prevent</u> plants growing on crust?	X		
12. Anaerobic lagoon is purple/pink?		X	
13. Actively bubbling?			X
14. Inlet pipes submerged?		X	
15. Downwind odor from WSP is: <input type="checkbox"/> Strong <input type="checkbox"/> Unbearable			

COMMENTS:

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____
 DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH		
4. Footprint - inside top - WIDTH	4:1	
5. Embankment - Inside SS	3:1 4:1	> 2H:1V
6. Embankment - Outside SS	3:1	> 2H:1V
7. Embankment – Top Width	12	
8. Embankment – Maximum Fill Height	10	
9. Maximum Excavation Depth	0	
10. Total POND Depth	11	
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input checked="" type="checkbox"/> NA		
12. Inlet type and location: Pipe, Flume, Scrape/slab, Overflow 'T', Other		
13. Outlet ramp slope and condition: none, earthen, gravel, concrete, other		
14. Pump/agitation site condition		
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: Farm Building, Homes, Roads, Water Coursed		
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		
18. Distance to nearest home/dwelling		
19. Distance to nearest water course		

COMMENTS:

AGID: 5375 FARM NAME: GREG SMIT DAIRY

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

(2) Description of structural modification: _____

(3) Describe impact of modification on structural integrity: _____

(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

AGID: 5375

FARM NAME: **GREG SMIT DAIRY**

Notes, drawings etc

DATE 10-23-12 STAFF em FAC. SITE KEY ✓ STATUS _____

FARM NAME Greenwood Farm AG ID 4548

FARM ADDRESS: _____

FARM CONTACT _____

FARM CONTACT MAILING ADDRESS _____

OF LAGOONS MANAGED UNDER NMP _____ THIS LAGOON ID _____

LONGITUDE _____ LATITUDE _____

WSP IS TODAY NEARLY FULL NEARLY EMPTY NRES' 83rd PICTURES TAKEN

TODAY LIQUID LEVEL IS 6 FEET BELOW TOP OF EMBANKMENT OR SPILLWAY ELEVATION

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in COMMENTS section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?		✓	
b. In vicinity of waste inlet structure?		✓	
c. Due to erosion from rainfall?		✓	
d. Near agitation equipment access points?			
2. Pond was constructed <u>without</u> a liner?		✓	
3. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input checked="" type="checkbox"/> NA			
a. Erosion of liner material?			✓
b. Damaged material (holes, tears, seams)?		✓	
c. Damage from pressure under liner (slumps, bulges, boils, whales)?		✓	
4. Signs of embankment damage?		✓	
a. Due to burrowing animals?		✓	
b. Presence of trees or woody vegetation?		✓	
c. Presence of large weeds?		✓	
d. Evidence of overtopping of embankment?		✓	
e. Evidence of soil erosion or gully on embankment?		✓	
f. Evidence of cracks in embankment soils?		✓	
g. Damp, soft, or slumping areas on berm?		✓	
h. Seepage near bottom of berm slope?		✓	
i. Seepage around pipes thru berm?		✓	

AGID: «AgID» FARM NAME: «Facility_Name»

LAGOON ID «Lagoon_ID» Lat: «Latitude» Long: «Longitude»

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification ¹
1. Storage capacity at overflow, or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH	100	
3. Footprint - inside top - WIDTH	300	
4. Embankment - Inside SS	3:2	> 2H:1V
5. Embankment - Outside SS	3:2	> 2H:1V
6. Embankment - Top Width	10+	
7. Embankment - Maximum Fill Height	6	
8. Maximum Excavation Depth	4	
9. Total POND Depth	12	
10. Liner type or soil amendment condition	gravelly Clay	
11. Inlet type location and condition	gravelly	
12. Outlet ramp condition	good	
13. Pump/agitation site condition	good	

COMMENTS:

Natural Swale bermed South side
 about 80-100 ft slight slope on
 outside of berm bank
 - No other side has bank.

DOES IT APPEAR THAT THE WSP WAS DESIGNED BY NRCS OR MET THE NRCS DESIGN CRITERIA IN PLACE AT THE TIME IT WAS INSTALLED OR LAST MODIFIED?

_____ YES _____ NO

I 1:00 ✓

✓ ✓

✓

King

DATE _____ STAFF **CM** FAC. SITE KEY **7773864** STATUS **Active**

FARM NAME **GWERDERS SWISS ACRES** AG ID **4679**

FARM ADDRESS **43012 SE 228th Avenue near Enumclaw**

FARM CONTACT Paul Gwerders 360-835-5308

FARM CONTACT MAILING ADDRESS _____

TWO INSPECTIONS

OF LAGOONS MANAGED UNDER NMP 2 THIS LAGOON ID **4679-1** # 2 N47.21453

LONGITUDE ⁴⁵⁹ ~~-122.03736000000000~~ LATITUDE ⁷⁸ ~~47.21404~~ W122.03416

WSP IS TODAY #1 NEARLY FULL #2 NEARLY EMPTY PICTURES TAKEN

TODAY LIQUID LEVEL IS #1-1.5' #2-6' FEET BELOW TOP OF EMBANKMENT OR SPILLWAY ELEVATION

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in COMMENTS section.			
SITE INVENTORY QUESTION	YES	#1 NO #2	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?			
b. In vicinity of waste inlet structure?			
c. Due to erosion from rainfall?			
d. Near agitation equipment access points?			
2. Pond was constructed <u>without</u> a liner?			
3. Circle liner type or NA: <u>Compacted Clay</u> Flexible Membrane Bentonite Amendment Other NA			
a. Erosion of liner material?			
b. Damaged material (holes, tears, seams)?			
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
4. Signs of embankment damage?			
a. Due to burrowing animals?			
b. Presence of trees or woody vegetation?			
c. Presence of large weeds?			
d. Evidence of overtopping of embankment?			
e. Evidence of soil erosion or gully on embankment?			
f. Evidence of cracks in embankment soils?			
g. Damp, soft, or slumping areas on berm?			
h. Seepage near bottom of berm slope?			
i. Seepage around pipes thru berm?			

AGID: «AgID» FARM NAME: «Facility_Name»

LAGOON ID «Lagoon_ID» Lat: «Latitude» Long: «Longitude»

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS		NRCS design criteria at time of installation or last modification ¹
1. Storage capacity at overflow, or crest elevation if no spillway.	#1	#2	Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH <i>64 steps</i>		<i>64 steps</i>	
3. Footprint - inside top - WIDTH <i>45 steps</i>		<i>69 steps</i>	
4. Embankment - Inside SS	<i>Full</i>	<i>1/2</i>	> 2H:1V
5. Embankment - Outside SS	<i>1/4</i>	<i>1/4</i>	> 2H:1V
6. Embankment – Top Width	<i>20'</i>	<i>20'</i>	
7. Embankment – Maximum Fill Height	<i>10'</i>	<i>10'</i>	
8. Maximum Excavation Depth	<i>5'</i>	<i>5'</i>	
9. Total POND Depth	<i>15'</i>	<i>15'</i>	
10. Liner type or soil amendment condition	<i>clay good</i>	<i>clay good</i>	
11. Inlet type location and condition			
12. Outlet ramp condition			
13. Pump/agitation site condition			

COMMENTS:

DOES IT APPEAR THAT THE WSP WAS DESIGNED BY NRCS OR MET THE NRCS DESIGN CRITERIA IN PLACE AT THE TIME IT WAS INSTALLED OR LAST MODIFIED?

_____ YES _____ NO

A. Site inventory

Across from Wetzel ✓

LANDOWNER: _____

OPERATOR: PAUL GWERDER

AGID: **4679** FARM NAME: GWERDERS SWISS ACRES

LAGOON ID: 4679-1 Lat: _____ Long: _____

Phones: (360) 825-5308 Cell: _____

FARM ADDRESS: 43012 SE 228TH AVENUE ENUMCLAW WA 98022

REVIEW INVENTORY DATE: 10/16/2012

MANURE/ EFFLUENT LEVEL: 0 %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 20 FT.

Completed by: *DWR M* Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)

DATE: _____

WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: 10/16/2012

Weather: _____

Temperature: _____

Soil surface: dry, moist, wet, saturated, standing water, frozen, snow covered

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?		X	
b. In vicinity of waste inlet structure?		X	
c. Due to erosion from rainfall?		X	
d. Near agitation equipment access points?		X	
2. Pond was constructed <u>with</u> a liner?			
a. Erosion of liner material?			X
b. Damaged material (holes, tears, seams)?			X
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			X
3. Signs of embankment damage?			
a. Due to burrowing animals?		X	
b. Presence of trees or woody vegetation?		X	
c. Presence of large weeds?		X	
d. Evidence of overtopping of embankment?		X	
e. Evidence of soil erosion or gully on embankment?		X	
f. Evidence of cracks in embankment soils?		X	
g. Damp, soft, or slumping areas on berm?		X	
h. Seepage near bottom of berm slope?		X	
i. Seepage around pipes thru berm?		X	

COMMENTS:

OPERATION AND MAINTENANCE			
If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in REPORT section			
SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?			
a. Is liquid level marker visible?		X	
b. Is storage capacity available for freeboard when pond is full?		X	
2. Are manure pump and transfer pipes functioning?	X		
3. Are recycling pumps and transfer pipes functioning?	X		
4. Is pond overflow pipe/structure clear and unobstructed?	X		
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			X
6. All roof water or clean runoff is diverted from storage?			X
7. Diversions/waterways maintained?			X
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?	X		
9. Waste storage pond access fenced and properly marked?	X		
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?	X		
11. Solids managed to <u>prevent</u> plants growing on crust?	X		
12. Anaerobic lagoon is purple/pink?		X	
13. Actively bubbling?	X		
14. Inlet pipes submerged?	X		
15. Downwind odor from WSP is: <input type="checkbox"/> Strong <input checked="" type="checkbox"/> Unbearable			

COMMENTS:

LAGOON ID: 4679-1

Lat:

Long:

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH		64 steps
4. Footprint - inside top - WIDTH	2:1	45
5. Embankment - Inside SS	3:1	> 2H:1V
6. Embankment - Outside SS	4:1	> 2H:1V
7. Embankment - Top Width	20	
8. Embankment - Maximum Fill Height		
9. Maximum Excavation Depth		
10. Total POND Depth	22	
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA		
12. Inlet type and location: Pipe, Flume, Scrape/slab, Overflow 'T', Other		
13. Outlet ramp slope and condition: none, earthen, gravel, concrete, other		
14. Pump/agitation site condition		
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: Farm Building, Homes, Roads, Water Coursed		
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		
18. Distance to nearest home/dwelling		
19. Distance to nearest water course		

COMMENTS:

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

(2) Description of structural modification: _____

(3) Describe impact of modification on structural integrity: _____

(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

AGID: 4679

FARM NAME: **GWEDERS SWISS ACRES**

Notes, drawings etc

A. Site inventory



LANDOWNER: _____

OPERATOR: PAUL GWERDER

AGID: **4679** FARM NAME: GWERDERS SWISS ACRES

LAGOON ID: 4679-2 Lat: _____ Long: _____

Phones: (360) 825-5308 Cell: _____

FARM ADDRESS: 43012 SE 228TH AVENUE ENUMCLAW WA 98022

REVIEW INVENTORY DATE: 10/16/2012

MANURE/ EFFLUENT LEVEL: 5 %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 22 FT.

Completed by: DTRK M Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)

DATE: _____

WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: 10/16/2012

Weather: _____

Temperature: _____

Soil surface: dry, moist, wet, saturated, standing water, frozen, snow covered

Complete inventory questions appropriate to structure, *if no embankment, as in a pit pond, show NA.*

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?		X	
b. In vicinity of waste inlet structure?		X	
c. Due to erosion from rainfall?		X	
d. Near agitation equipment access points?		X	
2. Pond was constructed <u>with</u> a liner?			
a. Erosion of liner material?		X	
b. Damaged material (holes, tears, seams)?			
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
3. Signs of embankment damage?			
a. Due to burrowing animals?		X	
b. Presence of trees or woody vegetation?		X	
c. Presence of large weeds?		X	
d. Evidence of overtopping of embankment?		X	
e. Evidence of soil erosion or gully on embankment?		X	
f. Evidence of cracks in embankment soils?		X	
g. Damp, soft, or slumping areas on berm?		X	
h. Seepage near bottom of berm slope?		X	
i. Seepage around pipes thru berm?		,	

COMMENTS:

AGID: 4679

FARM NAME: GWERDERS SWISS ACRES

LAGOON ID: 4679-2Lat:

Long:

OPERATION AND MAINTENANCE

If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in REPORT section

SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?			
a. Is liquid level marker visible?		X	
b. Is storage capacity available for freeboard when pond is full?		X	
2. Are manure pump and transfer pipes functioning?	X	X	
3. Are recycling pumps and transfer pipes functioning?	X	X	
4. Is pond overflow pipe/structure clear and unobstructed?	X	X	
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			
6. All roof water or clean runoff is diverted from storage?			
7. Diversions/waterways maintained?			
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?	X		
9. Waste storage pond access fenced and properly marked?	X		
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?	X		
11. Solids managed to <u>prevent</u> plants growing on crust?	X		
12. Anaerobic lagoon is purple/pink?		X	
13. Actively bubbling?	X		
14. Inlet pipes submerged?	X		
15. Downwind odor from WSP is: <input type="checkbox"/> Strong <input type="checkbox"/> Unbearable			

COMMENTS:

LAGOON ID: 4679-2

Lat:

Long:

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.	2	Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH	2,000,000	
4. Footprint - inside top - WIDTH		
5. Embankment - Inside SS	3:1	> 2H:1V
6. Embankment - Outside SS		> 2H:1V
7. Embankment – Top Width		
8. Embankment – Maximum Fill Height		
9. Maximum Excavation Depth	1	
10. Total POND Depth		
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA		
12. Inlet type and location: Pipe, Flume, Scrape/slab, Overflow 'T', Other		
13. Outlet ramp slope and condition: none, earthen, gravel, concrete, other		
14. Pump/agitation site condition		
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: Farm Building, Homes, Roads, Water Coursed		
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		
18. Distance to nearest home/dwelling		
19. Distance to nearest water course		

COMMENTS:

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

(2) Description of structural modification: _____

(3) Describe impact of modification on structural integrity: _____

(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

AGID: 4679

FARM NAME: **GWEDERS SWISS ACRES**

Notes, drawings etc

A. Site inventory

M

DO ✓
y Andrew Young!
8-9

LANDOWNER: OLD "MULDER"

OPERATOR: Terry Sapp and Gean Eagleston

AGID: **9179** FARM NAME: Hoehn Bend Farm

LAGOON ID: 9179-1 Lat: Long:

Phones: (206) 353-0459 Cell:

FARM ADDRESS: 26923 HOEHN ROAD SEDRO WOOLLEY WA 98284

REVIEW INVENTORY DATE: 10/24/2012

MANURE/ EFFLUENT LEVEL: 10 %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 8 FT.

Completed by: [Signature] Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)

DATE: _____

WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: 10/24/2012

Weather: RAIN

Temperature: 44°

Soil surface: dry, moist, wet, saturated, standing water, frozen, snow covered



AGID: 9179

FARM NAME: Hoehn Bend Farm

LAGOON ID: 9179-1

Lat:

Long:

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW

If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in **REPORT** section.

SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?		X	
a. Due to wave action?		X	
b. In vicinity of waste inlet structure?		X	
c. Due to erosion from rainfall?		X	
d. Near agitation equipment access points?		X	
2. Pond was constructed <u>with</u> a liner?			
a. Erosion of liner material?	X		
b. Damaged material (holes, tears, seams)?	X		
c. Damage from pressure under liner (slumps, bulges, boils, whales)?		X	
3. Signs of embankment damage?			
a. Due to burrowing animals?		X	
b. Presence of trees or woody vegetation?		X	
c. Presence of large weeds?		X	
d. Evidence of overtopping of embankment?		X	
e. Evidence of soil erosion or gully on embankment?		X	
f. Evidence of cracks in embankment soils?		X	
g. Damp, soft, or slumping areas on berm?		X	
h. Seepage near bottom of berm slope?		X	
i. Seepage around pipes thru berm?		X	

COMMENTS:

AGID: 9179

FARM NAME: Hoehn Bend Farm

LAGOON ID: 9179-1

Lat:

Long:

OPERATION AND MAINTENANCE

If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in **REPORT** section

SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?			
a. Is liquid level marker visible?		X	
b. Is storage capacity available for freeboard when pond is full?		X	
2. Are manure pump and transfer pipes functioning?	X		
3. Are recycling pumps and transfer pipes functioning?	X		
4. Is pond overflow pipe/structure clear and unobstructed?		X	
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			X
6. All roof water or clean runoff is diverted from storage?			X
7. Diversions/waterways maintained?			X
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?	X		
9. Waste storage pond access fenced and properly marked?	X		
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?	X	X	
11. Solids managed to <u>prevent</u> plants growing on crust?	X	X	
12. Anaerobic lagoon is purple/pink?		X	
13. Actively bubbling?	X		
14. Inlet pipes submerged?	X		
15. Downwind odor from WSP is: <input type="checkbox"/> Strong <input type="checkbox"/> Unbearable			

COMMENTS:

LAGOON ID: 9179-1

Lat:

Long:

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH		
4. Footprint - inside top - WIDTH		
5. Embankment - Inside SS		> 2H:1V
6. Embankment - Outside SS		> 2H:1V
7. Embankment – Top Width		
8. Embankment – Maximum Fill Height		
9. Maximum Excavation Depth		
10. Total POND Depth		
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA		
12. Inlet type and location: Pipe, Flume, Scrape/slab, Overflow 'T', Other		
13. Outlet ramp slope and condition: none, earthen, gravel, concrete, other		
14. Pump/agitation site condition		
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: Farm Building, Homes, Roads, Water Coursed		
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		
18. Distance to nearest home/dwelling		
19. Distance to nearest water course		

COMMENTS:

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

(2) Description of structural modification: _____

(3) Describe impact of modification on structural integrity: _____

(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

Skagit

DATE 5-7-12 STAFF **CM** FAC. SITE KEY **3574643** STATUS **OOB**

FARM NAME **MULDER DAIRY** AG ID **9179**

FARM ADDRESS **26923 Hoehn Road near Sedro Woolley**
HOEHN BEND DAIRY

FARM CONTACT Terry Sapp 206-353-

FARM CONTACT MAILING ADDRESS _____ 0459

OF LAGOONS MANAGED UNDER NMP **1** THIS LAGOON ID **9179-1**

LONGITUDE **-122.149869** LATITUDE **48.50348**

WSP IS TODAY NEARLY FULL NEARLY EMPTY PICTURES TAKEN

TODAY LIQUID LEVEL IS 2 FT FEET BELOW TOP OF EMBANKMENT OR SPILLWAY ELEVATION

8590

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW

If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in **COMMENTS** section.

SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?		✓	
b. In vicinity of waste inlet structure?		✓	
c. Due to erosion from rainfall?		✓	
d. Near agitation equipment access points?		✓	
2. Pond was constructed <u>without</u> a liner?			
3. Circle liner type or NA: <input type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA			
a. Erosion of liner material?			✓
b. Damaged material (holes, tears, seams)?		✓	
c. Damage from pressure under liner (slumps, bulges, boils, whales)?		✓	
4. Signs of embankment damage?			
a. Due to burrowing animals?	✓		
b. Presence of trees or woody vegetation?		✓	
c. Presence of large weeds?		✓	
d. Evidence of overtopping of embankment?		✓	
e. Evidence of soil erosion or gully on embankment?		✓	
f. Evidence of cracks in embankment soils?		✓	
g. Damp, soft, or slumping areas on berm?	✓		
h. Seepage near bottom of berm slope?	✓		
i. Seepage around pipes thru berm?			✓

OPERATION AND MAINTENANCE

If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in the COMMENT section

SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?		✓	
a. Is liquid level marker visible?		✓	
b. Is storage capacity available for freeboard when pond is full?	✓		
2. Are manure pump and transfer pipes functioning?	✓		
3. Are recycling pumps and transfer pipes functioning?	✓		
4. Is pond overflow pipe/structure clear and unobstructed?	✓		
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			✓
6. All roof water or clean runoff is diverted from storage?	✓		
7. Diversions/waterways maintained?	✓		
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?	✓		
9. Waste storage pond access fenced and properly marked?	✓		
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?		✓	
11. Solids managed to <u>prevent</u> plants growing on crust?	✓		
12. Anaerobic lagoon is purple/pink?		✓	
13. Actively bubbling?	✓		
14. Inlet pipes submerged?		✓	
15. Downwind odor from WSP is: <input checked="" type="checkbox"/> None <input checked="" type="checkbox"/> Faint <input type="checkbox"/> Distinct <input type="checkbox"/> Strong <input type="checkbox"/> Unbearable			

Earthen Structural Review comments	Operations and Maintenance comments
Small hole leaking into pasture.	
Operator is pumping below the leak line.	

AGID: «AgID» FARM NAME: «Facility_Name»

LAGOON ID «Lagoon_ID»

Lat: «Latitude» Long: «Longitude»

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: 5-7-12

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification ¹
1. Storage capacity at overflow, or crest elevation if no spillway.	NA	Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH	170	
3. Footprint - inside top - WIDTH	170	
4. Embankment - Inside SS	Full	> 2H:1V
5. Embankment - Outside SS	3:2	> 2H:1V
6. Embankment - Top Width	10'	
7. Embankment - Maximum Fill Height	7	
8. Maximum Excavation Depth	7	
9. Total POND Depth	14	
10. Liner type or soil amendment condition	NA	
11. Inlet type location and condition	Soft over	
12. Outlet ramp condition	good	
13. Pump/agitation site condition	good	

COMMENTS:

Terry notified Ecy about leak.
Size of garden here into pasture
3-4 feet above ground.
Sand bags stopped the hole from
leaking.

DOES IT APPEAR THAT THE WSP WAS DESIGNED BY NRCS OR MET THE NRCS DESIGN CRITERIA IN PLACE AT THE TIME IT WAS INSTALLED OR LAST MODIFIED?

____ YES _____ NO

NRCS!

1917

1917

1917

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1917

1917

1917

1917

that with the highest
... ..
... ..
... ..

1917

A. Site inventory

LANDOWNER: VIRGIL + SARAH HOFFMAN

OPERATOR: HALLBERG USES FIELDS - HAD ANIMALS ON PASTURE

AGID: ND 10 2 FARM NAME: HOFFMAN

LAGOON ID: W OF BORN Lat: 48.98171 Long: 122.55475

Phones: Cell:

FARM ADDRESS:

REVIEW INVENTORY DATE: 7-19-12

MANURE/ EFFLUENT LEVEL: 50 %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 3 1/2 FT.

Completed by: MICHAEL Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)

50% DATE: 7-19-2012

WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE:

Weather:

Temperature: SUNNY - 74

Soil surface: (dry) moist, wet, saturated, standing water, frozen, snow covered

RECEIVED

AUG 17 2012

WSDA DAIRY NUTRIENT MANAGEMENT

AGID: FARM NAME:

LAGOON ID: Lat: Long:

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?		X	
b. In vicinity of waste inlet structure?		X	
c. Due to erosion from rainfall?		X	
d. Near agitation equipment access points?		X	
2. Pond was constructed <u>with</u> a liner?	CLAY		X
a. Erosion of liner material?			X
b. Damaged material (holes, tears, seams)?			X
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			X
3. Signs of embankment damage?			
a. Due to burrowing animals?		X	
b. Presence of trees or woody vegetation?	X		
c. Presence of large weeds?		X	
d. Evidence of overtopping of embankment?		X	
e. Evidence of soil erosion or gully on embankment?		X	
f. Evidence of cracks in embankment soils?		X	
g. Damp, soft, or slumping areas on berm?		X	
h. Seepage near bottom of berm slope?		X	
i. Seepage around pipes thru berm?		X	

COMMENTS:

3C - SOME COTONWOOD - 3' - 12' HIGH ALONG
N, W + S BANKS

AGID:

FARM NAME:

LAGOON ID:

Lat:

Long:

OPERATION AND MAINTENANCE

If any boxes checked "NO"; make notes of location and identify O & M task to improve management in **REPORT** section

SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?		/	
a. Is liquid level marker visible?		/	
b. Is storage capacity available for freeboard when pond is full?		/	
2. Are manure pump and transfer pipes functioning?			/
3. Are recycling pumps and transfer pipes functioning?			/
4. Is pond overflow pipe/structure clear and unobstructed?			/
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			/
6. All roof water or clean runoff is diverted from storage?			/
7. Diversions/waterways maintained?			/
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?		X	
9. Waste storage pond access fenced and properly marked?		X	
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?			X
11. Solids managed to <u>prevent</u> plants growing on crust?			X
12. Anaerobic lagoon is purple/pink?			X
13. Actively bubbling?			X
14. Inlet pipes submerged?			X
15. Downwind odor from WSP is: Strong Unbearable			

COMMENTS:

UNSURE IF IT HAS INLET

AGID: FARM NAME:

LAGOON ID: Lat: Long:

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ ? _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

APPEARS FAIRLY RECENT

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.	?	Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH	100 NS	
4. Footprint - inside top - WIDTH	150 EW	
5. Embankment - Inside SS	2:1	> 2H:1V
6. Embankment - Outside SS	PIT	> 2H:1V
7. Embankment - Top Width	20	
8. Embankment - Maximum Fill Height	0	PIT
9. Maximum Excavation Depth	6' EST	
10. Total POND Depth	6'	
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA		
12. Inlet type and location: Pipe, Flume, Scrape/slab, Overflow 'T', Other	NONE APPARENT	
13. Outlet ramp slope and condition: <u>none</u> , earthen, gravel, concrete, other		
14. Pump/agitation site condition	NONE	
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: Farm Building, Homes, Roads, Water Coursed		GROUNDWATER
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		NO
18. Distance to nearest home/dwelling		> 2000 FT
19. Distance to nearest water course		85'

COMMENTS:

AGID:

FARM NAME:

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

(2) Description of structural modification: _____

(3) Describe impact of modification on structural integrity: _____

(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

AGID:

FARM NAME:

Notes, drawings etc

A. Site inventory

*HOLLBERG USES BURNS
FOR DRY COWS - APPEARS TO DRY STOCK*

LANDOWNER: ~~Virgil & Sarah Hoffman~~

OPERATOR: NO ONE - HOLLBERG USES FIELDS + STORES HAM

AGID: FARM NAME: **HOFFMAN**

NDIO

LAGOON ID 1: BORN Lat: 48.98165 Long: 122.55365

Phones: Cell: *SOIL 179*

FARM ADDRESS: 9361 Markworth Rd, Blaine, WA 98230-9183

REVIEW INVENTORY DATE: 7-19-12

MANURE/ EFFLUENT LEVEL: 40 % EST

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 3 FT.

Completed by: MICHAEL J. Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)

PIT

DATE: _____

WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: 7-19-12

*Kset
0.06 to 0.20
in/hr*

Weather: SUNNY

DTWT 18-36"

Temperature: 74

Soil surface: dry, moist, wet, saturated, standing water, frozen, snow covered

*S WIDE BERM
PRIMARILY A PIT*

RECEIVED
AUG 17 2012
WSDA
DAIRY NUTRIENT MANAGEMENT

AGID: FARM NAME: HOFFMAN

LAGOON ID: Lat: Long:

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?		X	
a. Due to wave action?		/	
b. In vicinity of waste inlet structure?		/	
c. Due to erosion from rainfall?		/	
d. Near agitation equipment access points?		/	
2. Pond was constructed <u>with</u> a liner?	COOL		
a. Erosion of liner material?			/
b. Damaged material (holes, tears, seams)?			//
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			//
3. Signs of embankment damage?			
a. Due to burrowing animals?		/	
b. Presence of trees or woody vegetation?	X		
c. Presence of large weeds?	X		
d. Evidence of overtopping of embankment?		X	
e. Evidence of soil erosion or gully on embankment?		X	X
f. Evidence of cracks in embankment soils?		X	X
g. Damp, soft, or slumping areas on berm?		X	X
h. Seepage near bottom of berm slope?		X	X
i. Seepage around pipes thru berm?			

COMMENTS:

36 COTONWOODS GROWING - ESP. ALONG S.

AGID: FARM NAME: HOFFMAN

LAGOON ID:

Lat:

Long:

OPERATION AND MAINTENANCE			
If any boxes checked "NO"; make notes of location and identify O & M task to improve management in REPORT section			
SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?		X	
a. Is liquid level marker visible?		X	
b. Is storage capacity available for freeboard when pond is full?		X	
2. Are manure pump and transfer pipes functioning?			X
3. Are recycling pumps and transfer pipes functioning?			X
4. Is pond overflow pipe/structure clear and unobstructed?			X
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			X
6. All roof water or clean runoff is diverted from storage?		X	
7. Diversions/waterways maintained?			X
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?		X	
9. Waste storage pond access fenced and properly marked?		X	
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?			X
11. Solids managed to <u>prevent</u> plants growing on crust?			X
12. Anaerobic lagoon is purple/pink?			X
13. Actively bubbling?			X
14. Inlet pipes submerged?		X	
15. Downwind odor from WSP is: <input type="checkbox"/> Strong <input type="checkbox"/> Unbearable			

COMMENTS:

6 ROOF ADJOINING TO EAST DRAINS INTO PIT

AGID: FARM NAME: HOFFMAN

LAGOON ID: Lat: Long:

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected. ~~Heretofore~~

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: 96

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH	74 NS	
4. Footprint - inside top - WIDTH	55 EW	
5. Embankment - Inside SS	2:1	> 2H:1V
6. Embankment - Outside SS	8:1	> 2H:1V
7. Embankment - Top Width	15	
8. Embankment - Maximum Fill Height	4	
9. Maximum Excavation Depth	5	
10. Total POND Depth	5 EST	
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA		
12. Inlet type and location: Pipe, <input checked="" type="checkbox"/> Flume, Scrape/slab, Overflow 'T', Other		
13. Outlet ramp slope and condition: <input checked="" type="checkbox"/> none, earthen, gravel, concrete, other		
14. Pump/agitation site condition	FINE	
15. Distance to nearest well/water depth in well in feet		1000
16. Failure impacts: Farm Building, Homes, Roads, <input checked="" type="checkbox"/> Water Coursed		200 +
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		NO
18. Distance to nearest home/dwelling		> 2000 ft
19. Distance to nearest water course		175 ft

COMMENTS:

AGID: FARM NAME: HOFFMAN

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

(2) Description of structural modification: _____

(3) Describe impact of modification on structural integrity: _____

(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

AGID: FARM NAME: HOFFMAN

Notes, drawings etc

F Wed 3:00 ✓

Snohomish

DATE _____ STAFF **CM** FAC. SITE KEY **9174680** STATUS **Active**

FARM NAME **HOFSTRA DAIRY** AG ID **9820**

FARM ADDRESS **28408 Fern Bluff Road near Monroe**

FARM CONTACT Jacob 360-793-9548 / 425-212-7213 *call reminder*

FARM CONTACT MAILING ADDRESS _____

OF LAGOONS MANAGED UNDER NMP **1** THIS LAGOON ID **9820-1**

LONGITUDE **-121.85065** LATITUDE **47.85160**
256 *4846*

WSP IS TODAY NEARLY FULL NEARLY EMPTY PICTURES TAKEN

TODAY LIQUID LEVEL IS 3 FEET BELOW TOP OF EMBANKMENT OR SPILLWAY ELEVATION

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in COMMENTS section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?			
b. In vicinity of waste inlet structure?			
c. Due to erosion from rainfall?			
d. Near agitation equipment access points?			
2. Pond was constructed without a liner?			
3. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input checked="" type="checkbox"/> NA			
a. Erosion of liner material?			
b. Damaged material (holes, tears, seams)?			
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
4. Signs of embankment damage?			
a. Due to burrowing animals?			
b. Presence of trees or woody vegetation?	✓		
c. Presence of large weeds?			
d. Evidence of overtopping of embankment?			
e. Evidence of soil erosion or gully on embankment?			
f. Evidence of cracks in embankment soils?			
g. Damp, soft, or slumping areas on berm?			
h. Seepage near bottom of berm slope?			
i. Seepage around pipes thru berm?			

OPERATION AND MAINTENANCE

If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in the COMMENT section

SITE INVENTORY QUESTION	YES	NO	NA		
1. Is there a permanent liquid level marker available to measure depth of pond?					
a. Is liquid level marker visible?		✓			
b. Is storage capacity available for freeboard when pond is full?	✓				
2. Are manure pump and transfer pipes functioning?	✓				
3. Are recycling pumps and transfer pipes functioning?	✓				
4. Is pond overflow pipe/structure clear and unobstructed?	✓		✓		
CLEAN WATER DIVERSION					
5. Perimeter drains plugged or blocked?			✓		
6. All roof water or clean runoff is diverted from storage?	✓				
7. Diversions/waterways maintained?			✓		
VISUAL APPEARANCE AND SAFETY					
8. Site neat and recently mowed?	⊗	✓			
9. Waste storage pond access fenced and properly marked?	⊗	✓			
O & M ITEMS FOR ODOR AND AIR QUALITY					
10. Crust of solids on lagoon?	✓	⊗			
11. Solids managed to <u>prevent</u> plants growing on crust?	✓	⊗	⊗		
12. Anaerobic lagoon is purple/pink?	✓				
13. Actively bubbling?	✓				
14. Inlet pipes submerged?	✓				
15. Downwind odor from WSP is:	None	Faint	Distinct	Strong	Unbearable

Earthen Structural Review comments	Operations and Maintenance comments
80 steps steps L	
55 steps steps w	
18' D 10' + 8'	Blk berries + trees on top and outside of berm
inside 5 Full	
outside 5 1/3	
12' top bank w	

DATE 10-23-12 STAFF _____ FAC. SITE KEY _____ STATUS _____

FARM NAME Hofstra AG ID _____

FARM ADDRESS: _____

FARM CONTACT _____

FARM CONTACT MAILING ADDRESS _____

OF LAGOONS MANAGED UNDER NMP _____ THIS LAGOON ID _____

LONGITUDE _____ LATITUDE _____

WSP IS TODAY NEARLY FULL NEARLY EMPTY PICTURES TAKEN

TODAY LIQUID LEVEL IS 2 FEET BELOW TOP OF EMBANKMENT OR SPILLWAY ELEVATION

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in COMMENTS section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?		✓	
b. In vicinity of waste inlet structure?		✓	
c. Due to erosion from rainfall?		✓	
d. Near agitation equipment access points?		✓	
2. Pond was constructed <u>without</u> a liner?		✓	
3. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input checked="" type="checkbox"/> NA			
a. Erosion of liner material?			✓
b. Damaged material (holes, tears, seams)?		✓	
c. Damage from pressure under liner (slumps, bulges, boils, whales)?		✓	
4. Signs of embankment damage?			?
a. Due to burrowing animals?	✓		?
b. Presence of trees or woody vegetation?	✓		
c. Presence of large weeds?	✓	✓	
d. Evidence of overtopping of embankment?		✓	
e. Evidence of soil erosion or gully on embankment?		✓	
f. Evidence of cracks in embankment soils?		✓	
g. Damp, soft, or slumping areas on berm?		✓	
h. Seepage near bottom of berm slope?		✓	
i. Seepage around pipes thru berm?		✓	

AGID: «AgID» FARM NAME: «Facility_Name»

LAGOON ID «Lagoon_ID» Lat: «Latitude» Long: «Longitude»

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____
DATE ORIGINAL WASTE STORAGE POND COMPLETED: NRCS late 70s

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification ¹
1. Storage capacity at overflow, or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH	<u>230</u>	
3. Footprint - inside top - WIDTH	<u>155</u>	
4. Embankment - Inside SS	<u>20</u>	> 2H:1V
5. Embankment - Outside SS	<u>3.0</u>	> 2H:1V
6. Embankment - Top Width	<u>10</u>	
7. Embankment - Maximum Fill Height	<u>12.5</u>	
8. Maximum Excavation Depth	<u>3.7</u>	
9. Total POND Depth		
10. Liner type or soil amendment condition	<u>? Clay</u>	
11. Inlet type location and condition		
12. Outlet ramp condition	<u>good</u>	
13. Pump/agitation site condition	<u>good</u>	

COMMENTS:

DOES IT APPEAR THAT THE WSP WAS DESIGNED BY NRCS OR MET THE NRCS DESIGN CRITERIA IN PLACE AT THE TIME IT WAS INSTALLED OR LAST MODIFIED?

_____ YES _____ NO

DAVE Gage @ Wolfkill
425-754-0949

A. Site inventory

LANDOWNER:

OPERATOR: DARRIN HOINES

10:30-12:00

AGID: **9457** FARM NAME: **HOINES FARM DAIRY**

LAGOON ID: 9457-1 Lat: 48.874800 Long: -122.309947
Phones: Cell: 812 311415

FARM ADDRESS: 6461 LAWRENCE ROAD EVERSON WA 98247

REVIEW INVENTORY DATE: 9/17

MANURE/ EFFLUENT LEVEL: 0 %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 8 FT.

Completed by: DARRIN HOINES Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)

DATE: _____

WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: 9/17

Weather: Sunny

Temperature: 70

Soil surface: dry, moist, wet, saturated, standing water, frozen, snow covered

AGID: 9457

FARM NAME: HOINES FARM DAIRY

LAGOON ID: 9457-1

Lat: 48.874800

Long: -122.309947

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW

If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in **REPORT** section.

SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?		/	
a. Due to wave action?		/	
b. In vicinity of waste inlet structure?		/	
c. Due to erosion from rainfall?		/	
d. Near agitation equipment access points?			
2. Pond was constructed <u>with</u> a liner?			/
a. Erosion of liner material?			/
b. Damaged material (holes, tears, seams)?			/
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			/
3. Signs of embankment damage?			
a. Due to burrowing animals?		/	
b. Presence of trees or woody vegetation?		/	
c. Presence of large weeds?	X		
d. Evidence of overtopping of embankment?	/	/	
e. Evidence of soil erosion or gully on embankment?	/	/	
f. Evidence of cracks in embankment soils?	/	/	
g. Damp, soft, or slumping areas on berm?	/	/	
h. Seepage near bottom of berm slope?	/	/	
i. Seepage around pipes thru berm?			

COMMENTS:

36 BB S side + S/W corner
grassy island.

AGID: 9457

FARM NAME: HOINES FARM DAIRY

LAGOON ID: 9457-1

Lat: 48.874800

Long: -122.309947

OPERATION AND MAINTENANCE

If any boxes checked "NO"; make notes of location and identify O & M task to improve management in REPORT section

SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?			
a. Is liquid level marker visible?			
b. Is storage capacity available for freeboard when pond is full?			
2. Are manure pump and transfer pipes functioning?			
3. Are recycling pumps and transfer pipes functioning?			
4. Is pond overflow pipe/structure clear and unobstructed?			
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			
6. All roof water or clean runoff is diverted from storage?			
7. Diversions/waterways maintained?			
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?			
9. Waste storage pond access fenced and properly marked?			
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?			
11. Solids managed to <u>prevent</u> plants growing on crust?			
12. Anaerobic lagoon is purple/pink?			
13. Actively bubbling?			
14. Inlet pipes submerged?			
15. Downwind odor from WSP is:	<input type="checkbox"/> Strong	<input type="checkbox"/> Unbearable	

COMMENTS:

AGID: 9457

FARM NAME: HOINES FARM DAIRY

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH		
4. Footprint - inside top - WIDTH	2'	
5. Embankment - Inside SS	3:1	> 2H:1V
6. Embankment - Outside SS		> 2H:1V
7. Embankment - Top Width	8	
8. Embankment - Maximum Fill Height	6	
9. Maximum Excavation Depth	2	
10. Total POND Depth	8 10	
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA		
12. Inlet type and location: Pipe, Flume, Scrape/slab, Overflow 'T', Other		
13. Outlet ramp slope and condition: none, earthen, gravel, concrete, other		
14. Pump/agitation site condition		
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: Farm Building, Homes, Roads, Water Coursed		
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		
18. Distance to nearest home/dwelling		
19. Distance to nearest water course		

COMMENTS:

AGID: 9457

FARM NAME: HOINES FARM DAIRY

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

(2) Description of structural modification: _____

(3) Describe impact of modification on structural integrity: _____

(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

AGID: 9457

FARM NAME: HOINES FARM DAIRY

Notes, drawings etc

DATE 4-19-2012 STAFF **CM** FAC. SITE KEY **0** STATUS **Active**

FARM NAME **HOLLANDIA FARMS LP** AG ID **9549**

FARM ADDRESS **22426 State Route 203 near Monroe**

FARM CONTACT ART

FARM CONTACT MAILING ADDRESS _____

OF LAGOONS MANAGED UNDER NMP **3** THIS LAGOON ID **9549-1**

LONGITUDE **-121.97659** LATITUDE **47.79526**

WSP IS TODAY NEARLY FULL NEARLY EMPTY PICTURES TAKEN

TODAY LIQUID LEVEL IS 1 FEET BELOW TOP OF EMBANKMENT OR SPILLWAY ELEVATION

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

DOUBLE EMPTY

380 PA

959 Full

EARTHEN STRUCTURAL REVIEW

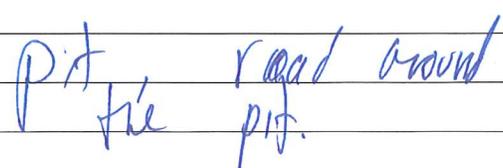
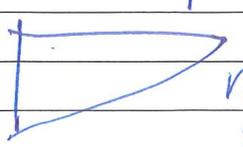
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in COMMENTS section.

SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?		1	
a. Due to wave action?			
b. In vicinity of waste inlet structure?			
c. Due to erosion from rainfall?			
d. Near agitation equipment access points?			
2. Pond was constructed without a liner?			
3. Circle liner type or NA: <input type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA			
a. Erosion of liner material?		1	
b. Damaged material (holes, tears, seams)?			
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
4. Signs of embankment damage?			
a. Due to burrowing animals?			
b. Presence of trees or woody vegetation?			
c. Presence of large weeds?			
d. Evidence of overtopping of embankment?			
e. Evidence of soil erosion or gully on embankment?			
f. Evidence of cracks in embankment soils?			
g. Damp, soft, or slumping areas on berm?			
h. Seepage near bottom of berm slope?			
i. Seepage around pipes thru berm?			

OPERATION AND MAINTENANCE

If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in the COMMENT section

SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?		<input checked="" type="checkbox"/>	
a. Is liquid level marker visible?		<input checked="" type="checkbox"/>	
b. Is storage capacity available for freeboard when pond is full?		<input checked="" type="checkbox"/>	
2. Are manure pump and transfer pipes functioning?	<input checked="" type="checkbox"/>		
3. Are recycling pumps and transfer pipes functioning?	<input checked="" type="checkbox"/>		
4. Is pond overflow pipe/structure clear and unobstructed?	<input checked="" type="checkbox"/>		
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6. All roof water or clean runoff is diverted from storage?	<input checked="" type="checkbox"/>		
7. Diversions/waterways maintained?		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
9. Waste storage pond access fenced and properly marked?		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
11. Solids managed to <u>prevent</u> plants growing on crust?		<input checked="" type="checkbox"/>	
12. Anaerobic lagoon is purple/pink?		<input checked="" type="checkbox"/>	
13. Actively bubbling?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
14. Inlet pipes submerged?		<input checked="" type="checkbox"/>	
15. Downwind odor from WSP is:	<input checked="" type="checkbox"/> None	<input checked="" type="checkbox"/> Faint	<input type="checkbox"/> Distinct <input type="checkbox"/> Strong <input type="checkbox"/> Unbearable

Earthen Structural Review comments	Operations and Maintenance comments
<p>Pit  road around the pit.</p> <p> not square</p>	

Holland
#1

AGID: «AgID» FARM NAME: «Facility_Name»

LAGOON ID «Lagoon_ID» Lat: «Latitude» Long: «Longitude»

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: 9-19-12

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification ¹
1. Storage capacity at overflow, or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH	180	
3. Footprint - inside top - WIDTH	89	
4. Embankment - Inside SS	Pit	> 2H:1V
5. Embankment - Outside SS	Pit Full	> 2H:1V
6. Embankment - Top Width	10+	
7. Embankment - Maximum Fill Height	10 FT	
8. Maximum Excavation Depth	?	
9. Total POND Depth	10	
10. Liner type or soil amendment condition	?	
11. Inlet type location and condition	Scrape	
12. Outlet ramp condition	good	
13. Pump/agitation site condition	good	

COMMENTS:

DOES IT APPEAR THAT THE WSP WAS DESIGNED BY NRCS OR MET THE NRCS DESIGN CRITERIA IN PLACE AT THE TIME IT WAS INSTALLED OR LAST MODIFIED?

_____ YES _____ NO

A. Site inventory

LANDOWNER: _____

OPERATOR: ART GROENEWEG

"HALF MOON SHAPE"

AGID: **9549** FARM NAME: HOLLANDIA FARMS LP

LAGOON ID: 9549-1 *SMALL* Lat: _____ Long: _____

Phones: (360) 794-3182 Cell: (206) 595-6182

FARM ADDRESS: 22426 STATE ROUTE 203 MONROE WA 98272

REVIEW INVENTORY DATE: 10/17/2012

MANURE/ EFFLUENT LEVEL: 85 %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 1.5 FT.

Completed by: *DIRK M* Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:



WSP is FULL (Typically late winter or early spring)

DATE: 10/17/2012



WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: _____

Weather: Overcast

Temperature: 54

Soil surface: dry, moist, wet, saturated, standing water, frozen, snow covered

*Solids
weeds
Agitated
solids used to
build/reinforced
w bank*

Complete inventory questions appropriate to structure, *if no embankment, as in a pit pond, show NA.*

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?			
b. In vicinity of waste inlet structure?			
c. Due to erosion from rainfall?			
d. Near agitation equipment access points?			
2. Pond was constructed <u>with</u> a liner?			
a. Erosion of liner material?			
b. Damaged material (holes, tears, seams)?			
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
3. Signs of embankment damage?			
a. Due to burrowing animals?			
b. Presence of trees or woody vegetation?			
c. Presence of large weeds?			
d. Evidence of overtopping of embankment?			
e. Evidence of soil erosion or gully on embankment?			
f. Evidence of cracks in embankment soils?			
g. Damp, soft, or slumping areas on berm?			
h. Seepage near bottom of berm slope?			
i. Seepage around pipes thru berm?			

COMMENTS:

AGID: 9549

FARM NAME: HOLLANDIA FARMS LP

LAGOON ID: 9549-1Lat:

Long:

OPERATION AND MAINTENANCE

If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in **REPORT** section

SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?			
a. Is liquid level marker visible?			
b. Is storage capacity available for freeboard when pond is full?			
2. Are manure pump and transfer pipes functioning?			
3. Are recycling pumps and transfer pipes functioning?			
4. Is pond overflow pipe/structure clear and unobstructed?			
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			
6. All roof water or clean runoff is diverted from storage?			
7. Diversions/waterways maintained?			
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?			
9. Waste storage pond access fenced and properly marked?			
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?			
11. Solids managed to <u>prevent</u> plants growing on crust?			
12. Anaerobic lagoon is purple/pink?			
13. Actively bubbling?			
14. Inlet pipes submerged?			
15. Downwind odor from WSP is: <input type="text" value="Strong"/> <input type="text" value="Unbearable"/>			

COMMENTS:

LAGOON ID: 9549-1

Lat:

Long:

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH		
4. Footprint - inside top - WIDTH		
5. Embankment - Inside SS		> 2H:1V
6. Embankment - Outside SS		> 2H:1V
7. Embankment – Top Width		
8. Embankment – Maximum Fill Height		
9. Maximum Excavation Depth		
10. Total POND Depth		
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA		
12. Inlet type and location: Pipe, Flume, Scrape/slab, Overflow 'T', Other		
13. Outlet ramp slope and condition: none, earthen, gravel, concrete, other		
14. Pump/agitation site condition		
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: Farm Building, Homes, Roads, Water Coursed		
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		
18. Distance to nearest home/dwelling		
19. Distance to nearest water course		

COMMENTS:

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

(2) Description of structural modification: _____

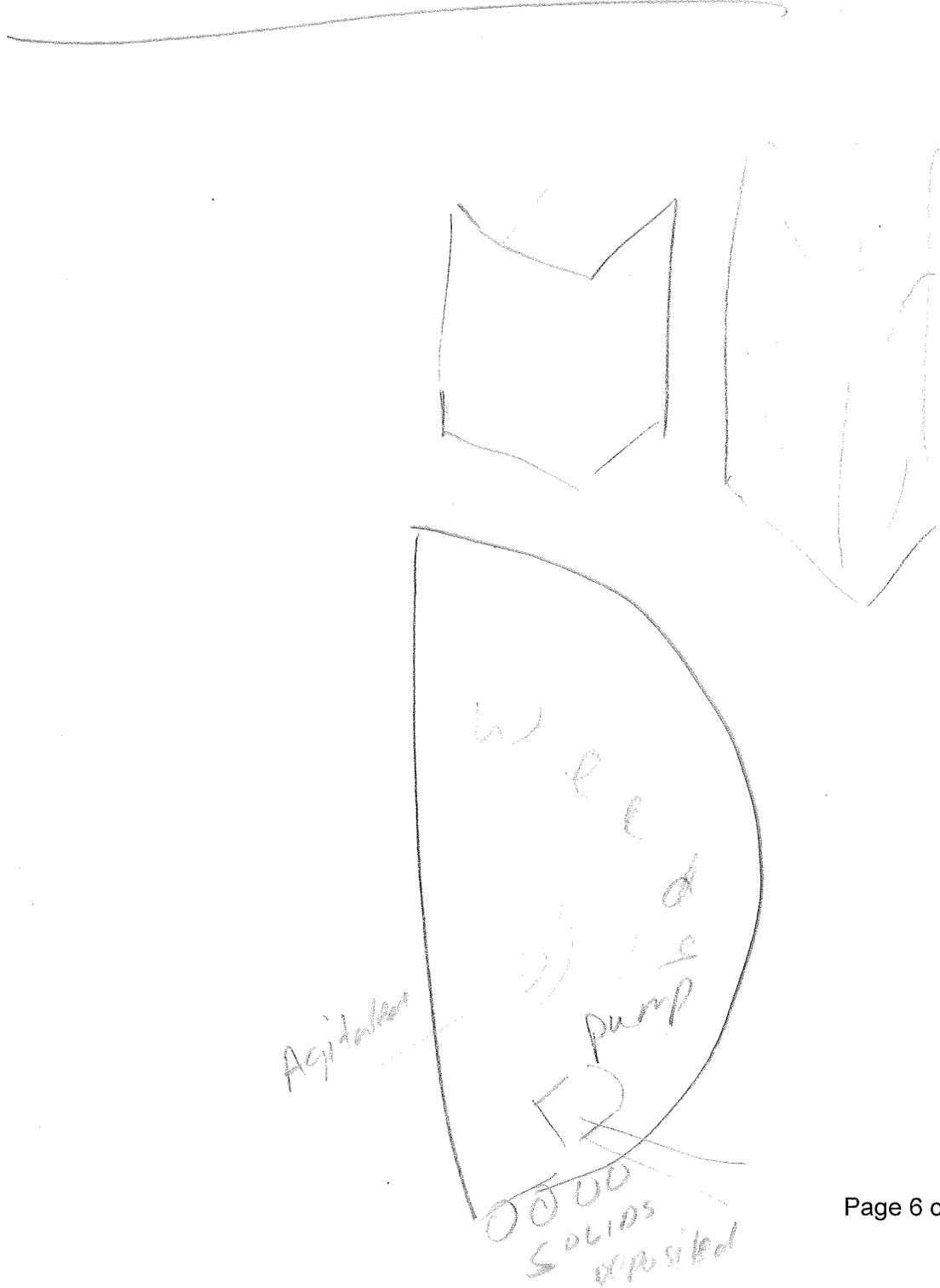
(3) Describe impact of modification on structural integrity: _____

(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

Notes, drawings etc

SR 203



DATE 4-19-2012 STAFF **CM** FAC. SITE KEY **0** STATUS **Active**

FARM NAME **HOLLANDIA FARMS LP** AG ID **9549**

FARM ADDRESS **22426 State Route 203 near Monroe**

FARM CONTACT _____

380 PL

FARM CONTACT MAILING ADDRESS _____

OF LAGOONS MANAGED UNDER NMP **3** THIS LAGOON ID **9549-2**

LONGITUDE **-121.97659**

LATITUDE **47.79526**

WSP IS TODAY NEARLY FULL NEARLY EMPTY

PICTURES TAKEN

TODAY LIQUID LEVEL IS 1 FEET BELOW TOP OF EMBANKMENT OR SPILLWAY ELEVATION

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW

If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in COMMENTS section.

SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?			
b. In vicinity of waste inlet structure?			
c. Due to erosion from rainfall?			
d. Near agitation equipment access points?			
2. Pond was constructed <u>without</u> a liner?			
3. Circle liner type or NA: <input type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA			
a. Erosion of liner material?			
b. Damaged material (holes, tears, seams)?			
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
4. Signs of embankment damage?			
a. Due to burrowing animals?			
b. Presence of trees or woody vegetation?			
c. Presence of large weeds?	✓		
d. Evidence of overtopping of embankment?			
e. Evidence of soil erosion or gully on embankment?			
f. Evidence of cracks in embankment soils?			
g. Damp, soft, or slumping areas on berm?			
h. Seepage near bottom of berm slope?			
i. Seepage around pipes thru berm?			

AGID: «AgID» FARM NAME: «Facility_Name»

LAGOON ID «Lagoon_ID» Lat: «Latitude» Long: «Longitude»

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification ¹
1. Storage capacity at overflow, or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH	537	
3. Footprint - inside top - WIDTH	140	
4. Embankment - Inside SS	NA	> 2H:1V
5. Embankment - Outside SS	NA	> 2H:1V
6. Embankment - Top Width	20+	
7. Embankment - Maximum Fill Height	12 ft	
8. Maximum Excavation Depth	7	
9. Total POND Depth	12	
10. Liner type or soil amendment condition	NA	
11. Inlet type location and condition	gravity	
12. Outlet ramp condition	good	
13. Pump/agitation site condition	good	

COMMENTS:

DOES IT APPEAR THAT THE WSP WAS DESIGNED BY NRCS OR MET THE NRCS DESIGN CRITERIA IN PLACE AT THE TIME IT WAS INSTALLED OR LAST MODIFIED?

_____ YES _____ NO

A. Site inventory

V

LANDOWNER: _____

OPERATOR: ART GROENEWEG //

AGID: **9549** FARM NAME: HOLLANDIA FARMS LP

LAGOON ID: 9549-2 Lat: _____ Long: _____

Phones: (360) 794-3182 Cell: (206) 595-6182

FARM ADDRESS: 22426 STATE ROUTE 203 MONROE WA 98272

REVIEW INVENTORY DATE: 10/17/2012

MANURE/ EFFLUENT LEVEL: 40 %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 7 FT.

Completed by: [Signature] Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)

DATE: _____

WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: 10/17/2012

Weather: Sunny Cloudy

Temperature: 47°

Soil surface: dry, moist, wet, saturated, standing water, frozen, snow covered

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?		X	
b. In vicinity of waste inlet structure?		X	
c. Due to erosion from rainfall?		X	
d. Near agitation equipment access points?		X	
2. Pond was constructed <u>with</u> a liner?			
a. Erosion of liner material?			
b. Damaged material (holes, tears, seams)?			
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
3. Signs of embankment damage?			
a. Due to burrowing animals?		X	
b. Presence of trees or woody vegetation?	X		
c. Presence of large weeds?	X		
d. Evidence of overtopping of embankment?		X	
e. Evidence of soil erosion or gully on embankment?		X	
f. Evidence of cracks in embankment soils?		X	
g. Damp, soft, or slumping areas on berm?		X	
h. Seepage near bottom of berm slope?		X	
i. Seepage around pipes thru berm?			

COMMENTS:

OPERATION AND MAINTENANCE			
If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in REPORT section			
SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?		X	
a. Is liquid level marker visible?		X	
b. Is storage capacity available for freeboard when pond is full?		X	
2. Are manure pump and transfer pipes functioning?	X		
3. Are recycling pumps and transfer pipes functioning?	X		
4. Is pond overflow pipe/structure clear and unobstructed?			X
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			X
6. All roof water or clean runoff is diverted from storage?		X	
7. Diversions/waterways maintained?			X
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?		X	
9. Waste storage pond access fenced and properly marked?		X	
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?		X	
11. Solids managed to <u>prevent</u> plants growing on crust?	X		
12. Anaerobic lagoon is purple/pink?		X	
13. Actively bubbling?	X		
14. Inlet pipes submerged?		X	
15. Downwind odor from WSP is:	<input checked="" type="checkbox"/> Strong	<input checked="" type="checkbox"/> Unbearable	

COMMENTS:

No crust, just foam

LAGOON ID: 9549-2

Lat:

Long:

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH		
4. Footprint - inside top - WIDTH		
5. Embankment - Inside SS		> 2H:1V
6. Embankment - Outside SS		> 2H:1V
7. Embankment – Top Width		
8. Embankment – Maximum Fill Height		
9. Maximum Excavation Depth		
10. Total POND Depth		
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA		
12. Inlet type and location: Pipe, Flume, Scrape/slab, Overflow 'T', Other		
13. Outlet ramp slope and condition: none, earthen, gravel, concrete, other		
14. Pump/agitation site condition		
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: Farm Building, Homes, Roads, Water Coursed		
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		
18. Distance to nearest home/dwelling		
19. Distance to nearest water course		

COMMENTS:

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

(2) Description of structural modification: _____

(3) Describe impact of modification on structural integrity: _____

(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

Notes, drawings etc



V

A. Site inventory

LANDOWNER:

OPERATOR: PETE DYKSTRA

2-4

AGID: **9149** FARM NAME: **HOPEWELL FARMS DAIRY**

LAGOON ID: 9149-1 Lat: 48.910890 Long: -122.322680

Phones: (360) 966-4238 Cell: (360) 961-7044

FARM ADDRESS: 7433 NOOKSACK ROAD EVERSON WA 98247

REVIEW INVENTORY DATE: 9/17/2012

MANURE/ EFFLUENT LEVEL: 30 %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 4 FT.

Completed by: [Signature] Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)

DATE: _____

WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: 9/17

Weather: Sunny

Temperature: 79°

Soil surface: (dry) moist, wet, saturated, standing water, frozen, snow covered

Complete inventory questions appropriate to structure, *if no embankment, as in a pit pond, show NA.*

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?		/	
a. Due to wave action?			
b. In vicinity of waste inlet structure?			
c. Due to erosion from rainfall?			
d. Near agitation equipment access points?			
2. Pond was constructed <u>with</u> a liner?			/
a. Erosion of liner material?			
b. Damaged material (holes, tears, seams)?			
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
3. Signs of embankment damage?			
a. Due to burrowing animals?		X	
b. Presence of trees or woody vegetation?		X	
c. Presence of large weeds?	X		
d. Evidence of overtopping of embankment?		X	
e. Evidence of soil erosion or gully on embankment?			
f. Evidence of cracks in embankment soils?		X	
g. Damp, soft, or slumping areas on berm?		X	
h. Seepage near bottom of berm slope?		X	
i. Seepage around pipes thru berm?		X	

COMMENTS:

AGID: 9149

FARM NAME: HOPEWELL FARMS DAIRY

LAGOON ID: 9149-1

Lat: 48.910890

Long: -122.322080

OPERATION AND MAINTENANCE			
If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in REPORT section			
SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?		/	
a. Is liquid level marker visible?		/	
b. Is storage capacity available for freeboard when pond is full?		/	
2. Are manure pump and transfer pipes functioning?		/	
3. Are recycling pumps and transfer pipes functioning?		/	
4. Is pond overflow pipe/structure clear and unobstructed?		/	
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?		/	
6. All roof water or clean runoff is diverted from storage?		/	
7. Diversions/waterways maintained?		/	
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?		X	
9. Waste storage pond access fenced and properly marked?	X	/	
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?		X	
11. Solids managed to <u>prevent</u> plants growing on crust?	X	/	
12. Anaerobic lagoon is purple/pink?		X	
13. Actively bubbling?		X	
14. Inlet pipes submerged?	X	/	
15. Downwind odor from WSP is:	<input checked="" type="checkbox"/> Strong <input type="checkbox"/> Unbearable		

COMMENTS:

AGID: 9149

FARM NAME: HOPEWELL FARMS DAIRY

LAGOON ID: 9149-1

Lat: 48.910890

Long: -122.322080

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.	583 K	Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH		
4. Footprint - inside top - WIDTH		
5. Embankment - Inside SS	72:1	> 2H:1V
6. Embankment - Outside SS	3:1	> 2H:1V
7. Embankment – Top Width	6	
8. Embankment – Maximum Fill Height	5	
9. Maximum Excavation Depth		
10. Total POND Depth	0.6	
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input checked="" type="checkbox"/> NA		
12. Inlet type and location: Pipe, Flume, Scrape/slab, Overflow 'T', Other		
13. Outlet ramp slope and condition: <u>none</u> , earthen, gravel, concrete, other		
14. Pump/agitation site condition	✓	
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: Farm Building, Homes, Roads, Water Coursed		
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		
18. Distance to nearest home/dwelling		
19. Distance to nearest water course		

COMMENTS:

AGID: 9149

FARM NAME: HOPEWELL FARMS DAIRY

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

(2) Description of structural modification: _____

(3) Describe impact of modification on structural integrity: _____

(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

AGID: 9149

FARM NAME: HOPEWELL FARMS DAIRY

Notes, drawings etc

A. Site inventory

LANDOWNER:

OPERATOR: PETE DYKSTRA

AGID: **9149** FARM NAME: **HOPEWELL FARMS DAIRY**

LAGOON ID: 9149-2 Lat: 48.910890 Long: -122.322080

Phones: (360) 966-4238 Cell: (360) 961-7044

FARM ADDRESS: 7433 NOOKSACK ROAD EVERSON WA 98247

REVIEW INVENTORY DATE: 9/6/2012

MANURE/ EFFLUENT LEVEL: _____ %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: _____ FT.

Completed by: [Signature] Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)

DATE: _____

WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: _____

Weather: Sunny

Temperature: _____

Soil surface: dry, moist, wet, saturated, standing water, frozen, snow covered

Handwritten notes:
2-4
NA
UPRIGHT TANK 340K

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW

If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in **REPORT** section.

SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?			
b. In vicinity of waste inlet structure?			
c. Due to erosion from rainfall?			
d. Near agitation equipment access points?			
2. Pond was constructed <u>with</u> a liner?			
a. Erosion of liner material?			
b. Damaged material (holes, tears, seams)?			
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
3. Signs of embankment damage?			
a. Due to burrowing animals?			
b. Presence of trees or woody vegetation?			
c. Presence of large weeds?			
d. Evidence of overtopping of embankment?			
e. Evidence of soil erosion or gully on embankment?			
f. Evidence of cracks in embankment soils?			
g. Damp, soft, or slumping areas on berm?			
h. Seepage near bottom of berm slope?			
i. Seepage around pipes thru berm?			

COMMENTS:

AGID: 9149

FARM NAME: HOPEWELL FARMS DAIRY

LAGOON ID: 9149-2

Lat: 48.910890

Long: -122.322080

OPERATION AND MAINTENANCE

If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in REPORT section

SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?			
a. Is liquid level marker visible?			
b. Is storage capacity available for freeboard when pond is full?			
2. Are manure pump and transfer pipes functioning?			
3. Are recycling pumps and transfer pipes functioning?			
4. Is pond overflow pipe/structure clear and unobstructed?			
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			
6. All roof water or clean runoff is diverted from storage?			
7. Diversions/waterways maintained?			
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?			
9. Waste storage pond access fenced and properly marked?			
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?			
11. Solids managed to <u>prevent</u> plants growing on crust?			
12. Anaerobic lagoon is purple/pink?			
13. Actively bubbling?			
14. Inlet pipes submerged?			
15. Downwind odor from WSP is: <input type="checkbox"/> Strong <input checked="" type="checkbox"/> Unbearable			

COMMENTS:

AGID: 9149

FARM NAME: HOPEWELL FARMS DAIRY

LAGOON ID: 9149-2

Lat: 48.910890

Long: -122.322080

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH		
4. Footprint - inside top - WIDTH		
5. Embankment - Inside SS		> 2H:1V
6. Embankment - Outside SS		> 2H:1V
7. Embankment – Top Width		
8. Embankment – Maximum Fill Height		
9. Maximum Excavation Depth		
10. Total POND Depth		
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA		
12. Inlet type and location: Pipe, Flume, Scrape/slab, Overflow 'T', Other		
13. Outlet ramp slope and condition: none, earthen, gravel, concrete, other		
14. Pump/agitation site condition		
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: Farm Building, Homes, Roads, Water Coursed		
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		
18. Distance to nearest home/dwelling		
19. Distance to nearest water course		

COMMENTS:

AGID: 9149

FARM NAME: HOPEWELL FARMS DAIRY

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

(2) Description of structural modification: _____

(3) Describe impact of modification on structural integrity: _____

(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

AGID: 9149

FARM NAME: HOPEWELL FARMS DAIRY

Notes, drawings etc

T

~~Access Denied~~ - Access Denied by Marc

King

TWO INSPECTIONS

A. Site inventory

LANDOWNER: RICHARD GWERDER

AGID: 9688 FARM NAME: HY-GRASS FARMS INC

LAGOON ID 9688-1 Lat: 47.25746 Long: -122.081066

Telephone Cell Work 253-833-7707 / Marc 253-350-9158

FARM ADDRESS: 19505 SE 384TH STREET, AUBURN

REVIEW INVENTORY DATE: 5-4-12

MANURE/ EFFLUENT LEVEL: #1 80% #2 FULL %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 3 FT / 2 FT FT.

Completed by: CM Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)
DATE: _____

WSP is near empty (Typically late summer or early fall, depending on operation management)
DATE: _____

Pipe (N) 400 FT

666-222-2222

AGID: 9688 FARM NAME: HY-GRASS FARMS INC

LAGOON ID 9688-1 Lat: 47.25746 Long: -122.081066

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW				
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.				
SITE INVENTORY QUESTION	YES	NO	NA	
1. Embankment Interior and liner erosion observed?				
a. Due to wave action?			✓	
b. In vicinity of waste inlet structure?			✓	
c. Due to erosion from rainfall?			✓	
d. Near agitation equipment access points?			✓	
2. Pond was constructed <u>without</u> a liner?		✓		
3. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA				
a. Erosion of liner material?		✓	✓	
b. Damaged material (holes, tears, seams)?		✓	✓	
c. Damage from pressure under liner (slumps, bulges, boils, whales)?		✓	✓	
4. Signs of embankment damage?			✓	✓
a. Due to burrowing animals?			✓	✓
b. Presence of trees or woody vegetation?			✓	✓
c. Presence of large weeds?			✓	✓
d. Evidence of overtopping of embankment?			✓	✓
e. Evidence of soil erosion or gully on embankment?			✓	✓
f. Evidence of cracks in embankment soils?			✓	✓
g. Damp, soft, or slumping areas on berm?			✓	✓
h. Seepage near bottom of berm slope?			✓	✓
i. Seepage around pipes thru berm?			✓	✓

COMMENTS:

AGID: 9688 FARM NAME: HY-GRASS FARMS INC

LAGOON ID 9688-1 Lat: 47.25746 Long: -122.081066

OPERATION AND MAINTENANCE			
If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in REPORT section			
SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?		✓	
a. Is liquid level marker visible?		✓	
b. Is storage capacity available for freeboard when pond is full?	✓	✗	
2. Are manure pump and transfer pipes functioning?	✓		✓
3. Are recycling pumps and transfer pipes functioning?			✓
4. Is pond overflow pipe/structure clear and unobstructed?			✓
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			✓
6. All roof water or clean runoff is diverted from storage?	✓		
7. Diversions/waterways maintained?			✓
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?	✓		
9. Waste storage pond access fenced and properly marked?	✓		
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?		✓	
11. Solids managed to <u>prevent</u> plants growing on crust?	✓		
12. Anaerobic lagoon is purple/pink?		✓	
13. Actively bubbling?	✓		
14. Inlet pipes submerged?	✓		
15. Downwind odor from WSP is:	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Faint	<input type="checkbox"/> Distinct
	<input type="checkbox"/> Strong	<input type="checkbox"/> Unbearable	

COMMENTS:

AGID: 9688 FARM NAME: HY-GRASS FARMS INC

LAGOON ID 9688-1 Lat: 47.25746 Long: -122.081066

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification ¹⁶
1. Storage capacity at overflow, or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH		
3. Footprint - inside top - WIDTH		
4. Embankment - Inside SS		> 2H:1V
5. Embankment - Outside SS		> 2H:1V
6. Embankment - Top Width		
7. Embankment - Maximum Fill Height		
8. Maximum Excavation Depth		
9. Total POND Depth		
10. Liner type or soil amendment condition		
11. Inlet type location and condition		
12. Outlet ramp condition		
13. Pump/agitation site condition		

COMMENTS:

DOES IT APPEAR THAT THE WSP WAS DESIGNED BY NRCS OR MET THE NRCS DESIGN CRITERIA IN PLACE AT THE TIME IT WAS INSTALLED OR LAST MODIFIED?

_____ YES _____ NO

C. Does it appear that the WSP been structurally modified?

YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME: RICHARD GWERDER

(1) Was the WSP modification designed? CIRCLE ONE: YES NO NA
If yes, list: Designer _____ Date _____

(2) Date of modification construction? _____

(3) Description of structural modification: _____

(4) Describe impact of modification on structural integrity: _____

(5) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

Notes, drawings etc

AGID: «AgID» FARM NAME: «Facility_Name»

LAGOON ID «Lagoon_ID»

Lat: «Latitude» Long: «Longitude»

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: 5-4-12

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification ¹
1. Storage capacity at overflow, or crest elevation if no spillway.	3 FT Pree 80%	Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH	260	
3. Footprint - inside top - WIDTH	150 150	
4. Embankment - Inside SS	Roll	> 2H:1V
5. Embankment - Outside SS	3:2 gradual	> 2H:1V
6. Embankment - Top Width	12 ft	
7. Embankment - Maximum Fill Height	12	
8. Maximum Excavation Depth	10	
9. Total POND Depth	22	
10. Liner type or soil amendment condition	Compacted soil	
11. Inlet type location and condition	E PVC better	
12. Outlet ramp condition	good	
13. Pump/agitation site condition	good	

COMMENTS:

NRCS early 80's

DOES IT APPEAR THAT THE WSP WAS DESIGNED BY NRCS OR MET THE NRCS DESIGN CRITERIA IN PLACE AT THE TIME IT WAS INSTALLED OR LAST MODIFIED?

_____ YES _____ NO

✓ Two INSPECTIONS

DATE 10-16-12 STAFF _____ FAC. SITE KEY _____ STATUS _____
 FARM NAME ~~Water Dairy Hy-Grass~~ LAGOON ID ~~034~~
 FARM ADDRESS: _____
 FARM CONTACT Mark Grewder
 FARM CONTACT MAILING ADDRESS _____
 # OF LAGOONS MANAGED UNDER NMP _____ THIS LAGOON ID _____
 LONGITUDE _____ LATITUDE _____

WSP IS TODAY NEARLY FULL NEARLY EMPTY PICTURES TAKEN

TODAY LIQUID LEVEL IS 10 FEET BELOW TOP OF EMBANKMENT OR SPILLWAY ELEVATION

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA. Not NRCS 1990s

EARTHEN STRUCTURAL REVIEW				
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in COMMENTS section.				
SITE INVENTORY QUESTION	# YES	# NO	NA	
1. Embankment Interior and liner erosion observed?	1			
a. Due to wave action?		✓	✓	
b. In vicinity of waste inlet structure?		✓	✓	
c. Due to erosion from rainfall?		✓	✓	
d. Near agitation equipment access points?		✓	✓	
2. Pond was constructed <u>without</u> a liner?		✓	✓	
3. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input checked="" type="checkbox"/> NA				
a. Erosion of liner material?	1	✓	✓	
b. Damaged material (holes, tears, seams)?		✓	✓	
c. Damage from pressure under liner (slumps, bulges, boils, whales)?		✓	✓	
4. Signs of embankment damage?			✓	✓
a. Due to burrowing animals?			✓	✓
b. Presence of trees or woody vegetation?			✓	✓
c. Presence of large weeds?			✓	✓
d. Evidence of overtopping of embankment?			✓	✓
e. Evidence of soil erosion or gully on embankment?			✓	✓
f. Evidence of cracks in embankment soils?			✓	✓
g. Damp, soft, or slumping areas on berm?			✓	✓
h. Seepage near bottom of berm slope?		✓	✓	
i. Seepage around pipes thru berm?		✓	✓	

AGID: «AgID» FARM NAME: «Facility_Name»

LAGOON ID «Lagoon_ID» Lat: «Latitude» Long: «Longitude»

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification ¹
1. Storage capacity at overflow, or crest elevation if no spillway.	#1 #2	Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH		
3. Footprint - inside top - WIDTH		
4. Embankment - Inside SS	3:2 3:2	> 2H:1V
5. Embankment - Outside SS	3:2 / 3:2	> 2H:1V
6. Embankment - Top Width	10+ 10+	
7. Embankment - Maximum Fill Height	6 12 12	
8. Maximum Excavation Depth	6 6	
9. Total POND Depth	18 18	
10. Liner type or soil amendment condition	Clay	
11. Inlet type location and condition		
12. Outlet ramp condition	good	
13. Pump/agitation site condition	good	

COMMENTS:

DOES IT APPEAR THAT THE WSP WAS DESIGNED BY NRCS OR MET THE NRCS DESIGN CRITERIA IN PLACE AT THE TIME IT WAS INSTALLED OR LAST MODIFIED?

_____ YES _____ NO

Two Inspections

King

DATE 2-9-12 STAFF **CM** FAC. SITE KEY **8204576** STATUS **Active**

FARM NAME **HY-GRASS FARMS INC** AG ID **9688**

Cell #1 go's NRES
Cell #2 gravelly
150 #2 150

FARM ADDRESS **19505 SE 384th Street near Auburn**

FARM CONTACT Mark Grewder

FARM CONTACT MAILING ADDRESS _____

OF LAGOONS MANAGED UNDER NMP **1** THIS LAGOON ID **9688-1**

#2 150
38

LONGITUDE **-122.0810660000001** #2 LATITUDE **47.5746**

WSP IS TODAY NEARLY FULL NEARLY EMPTY

PICTURES TAKEN

TODAY LIQUID LEVEL IS 21 FEET BELOW TOP OF EMBANKMENT OR SPILLWAY ELEVATION

has 2 lagoons (cells)

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in COMMENTS section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?		✓✓	
a. Due to wave action?		✓✓	
b. In vicinity of waste inlet structure?		✓✓	
c. Due to erosion from rainfall?		✓✓	
d. Near agitation equipment access points?	✓✓		
2. Pond was constructed <u>without</u> a liner?	✓✓		
3. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA			
a. Erosion of liner material?		✓✓	
b. Damaged material (holes, tears, seams)?		✓✓	
c. Damage from pressure under liner (slumps, bulges, boils, whales)?		✓✓	
4. Signs of embankment damage?		makes	
a. Due to burrowing animals?		✓✓	
b. Presence of trees or woody vegetation?		✓✓	
c. Presence of large weeds?		✓✓	
d. Evidence of overtopping of embankment?		✓✓	
e. Evidence of soil erosion or gully on embankment?		✓✓	
f. Evidence of cracks in embankment soils?		✓✓	
g. Damp, soft, or slumping areas on berm?		✓✓	
h. Seepage near bottom of berm slope?		✓✓	
i. Seepage around pipes thru berm?		✓✓	

OPERATION AND MAINTENANCE

If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in the COMMENT section

SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?		✓✓	
a. Is liquid level marker visible?		✓✓	
b. Is storage capacity available for freeboard when pond is full?	✓✓		
2. Are manure pump and transfer pipes functioning?	✓✓		
3. Are recycling pumps and transfer pipes functioning?	✓✓		
4. Is pond overflow pipe/structure clear and unobstructed?	✓✓		
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?		✓✓	
6. All roof water or clean runoff is diverted from storage?	✓✓		
7. Diversions/waterways maintained?	✓✓		
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?	✓✓		
9. Waste storage pond access fenced and properly marked?		✓✓	
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?		✓✓	
11. Solids managed to prevent plants growing on crust?	✓✓		
12. Anaerobic lagoon is purple/pink?		✓✓	
13. Actively bubbling?	✓✓		
14. Inlet pipes submerged?	✓✓		
15. Downwind odor from WSP is:	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Faint	<input type="checkbox"/> Distinct
	<input type="checkbox"/> Strong	<input type="checkbox"/> Unbearable	

Earthen Structural Review comments	Operations and Maintenance comments
1) Small #2 has repair from agitator-rip-wrap	Excellent mowed bank.
- Milk holes on both lagoons	

K ✓
KALSBECK

A. Site inventory

LANDOWNER: Elvin Kalsbeek

OPERATOR: _____

AGID: 8013 FARM NAME: KALSBECK FARMS

LAGOON ID 1 HWY W-N Lat: 48.73468 Long: 122.20386

Phones: 360-739-0355 Cell:

FARM ADDRESS: 2625 VALLEY HIGHWAY, DEMING, WA 98244-9107

REVIEW INVENTORY DATE: 7-17-2012

MANURE/ EFFLUENT LEVEL: 5 %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 10 FT.

Completed by: Michael J Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)

DATE: _____

WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: 7-17-2012

Weather: SUNNY

Temperature: 78

Soil surface: dry, moist, wet, saturated, standing water, frozen, snow covered

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AUG 17 2012
WSDA
DAIRY NUTRIENT MANAGEMENT

AGID: 8013

FARM NAME: KALSBECK FARMS

LAGOON ID:

Lat:

Long:

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW

If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in **REPORT** section.

SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?		X	
b. In vicinity of waste inlet structure?		X	
c. Due to erosion from rainfall?		X	
d. Near agitation equipment access points?		X	
2. Pond was constructed <u>with</u> a liner?	X		
a. Erosion of liner material?		X	
b. Damaged material (holes, tears, seams)?		X	X
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			X
3. Signs of embankment damage?			
a. Due to burrowing animals?		X	
b. Presence of trees or woody vegetation?		X	
c. Presence of large weeds? <i>FEW BB</i>	X		
d. Evidence of overtopping of embankment?		X	
e. Evidence of soil erosion or gully on embankment?		X	
f. Evidence of cracks in embankment soils?		X	
g. Damp, soft, or slumping areas on berm?		X	
h. Seepage near bottom of berm slope?		X	
i. Seepage around pipes thru berm?		X	

COMMENTS:

LAGOON ID: Lat: Long:

OPERATION AND MAINTENANCE			
If any boxes checked "NO"; make notes of location and identify O & M task to improve management in REPORT section			
SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?		X	
a. Is liquid level marker visible?		X	
b. Is storage capacity available for freeboard when pond is full?		X	
2. Are manure pump and transfer pipes functioning?	X		
3. Are recycling pumps and transfer pipes functioning?	X		
4. Is pond overflow pipe/structure clear and unobstructed?			X
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			X
6. All roof water or clean runoff is diverted from storage?	X		
7. Diversions/waterways maintained?			X
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?		X	
9. Waste storage pond access fenced and properly marked?	FENCED		
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?	X		
11. Solids managed to <u>prevent</u> plants growing on crust?	X		
12. Anaerobic lagoon is purple/pink?		X	
13. Actively bubbling?		X	
14. Inlet pipes submerged?		X	
15. Downwind odor from WSP is:	Strong	Unbearable	

COMMENTS:

AGID: 8013 FARM NAME: KALSBECK FARMS

LAGOON ID: Lat: Long:

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: MID-80's

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.	2,000,000	Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH	195 NS	
4. Footprint - inside top - WIDTH	175 EW	
5. Embankment - Inside SS	1:1	> 2H:1V
6. Embankment - Outside SS	2:1	> 2H:1V
7. Embankment - Top Width	12	
8. Embankment - Maximum Fill Height	6 ?	
9. Maximum Excavation Depth	6	
10. Total POND Depth	12	
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA	CLAY	
12. Inlet type and location: <input checked="" type="checkbox"/> Pipe, <input type="checkbox"/> Flume, <input type="checkbox"/> Scrape/slab, <input type="checkbox"/> Overflow 'T', <input type="checkbox"/> Other	12" FROM LAGOON 2	
13. Outlet ramp slope and condition: <input checked="" type="checkbox"/> none, <input type="checkbox"/> earthen, <input type="checkbox"/> gravel, <input type="checkbox"/> concrete, <input type="checkbox"/> other		
14. Pump/agitation site condition	GOOD - CONCRETE	
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: <input checked="" type="checkbox"/> Farm Building, <input checked="" type="checkbox"/> Homes, <input checked="" type="checkbox"/> Roads, <input checked="" type="checkbox"/> Water Coursed		HWT 9
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		NO
18. Distance to nearest home/dwelling		800 +
19. Distance to nearest water course		100

COMMENTS:

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

(2) Description of structural modification: _____

(3) Describe impact of modification on structural integrity: _____

(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

AGID: 8013

FARM NAME: KALSBECK FARMS

Notes, drawings etc

A. Site inventory

LANDOWNER: ELVIN KALSBECK

OPERATOR: KALSBECK

AGID: 8013 FARM NAME: KALSBECK

LAGOON ID 2 HMM W-5 Lat: 48.73456 Long: 122.20362

Phones: 360-739-0355 Cell:

FARM ADDRESS:

REVIEW INVENTORY DATE: 7-17-2012

MANURE/ EFFLUENT LEVEL: 90 %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 1.5 FT.

Completed by: MICHAEL J Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)

DATE: 7-17-2012

WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: _____

Weather: SUNNY

Temperature: 78° F

Soil surface: dry, moist, wet, saturated, standing water, frozen, snow covered

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AUG 17 2012

WSDA
DAIRY NUTRIENT MANAGEMENT

AGID: FARM NAME:

LAGOON ID: Lat: Long:

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			✓
a. Due to wave action?			✓
b. In vicinity of waste inlet structure?			✓
c. Due to erosion from rainfall?			x
d. Near agitation equipment access points?			✓
2. Pond was constructed <u>with</u> a liner?	✓		
a. Erosion of liner material?			✓
b. Damaged material (holes, tears, seams)?			✓
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			✓
3. Signs of embankment damage?		✓	
a. Due to burrowing animals?		✓	
b. Presence of trees or woody vegetation?		✓	
c. Presence of large weeds?		✓	
d. Evidence of overtopping of embankment?		✓	
e. Evidence of soil erosion or gully on embankment?		✓	
f. Evidence of cracks in embankment soils?		✓	
g. Damp, soft, or slumping areas on berm?		✓	
h. Seepage near bottom of berm slope?		✓	
i. Seepage around pipes thru berm?		✓	

COMMENTS:

AGID:

FARM NAME:

LAGOON ID:

Lat:

Long:

OPERATION AND MAINTENANCE

If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in **REPORT** section

SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?		X	
a. Is liquid level marker visible?		X	
b. Is storage capacity available for freeboard when pond is full?		X	
2. Are manure pump and transfer pipes functioning?	X		
3. Are recycling pumps and transfer pipes functioning?			X
4. Is pond overflow pipe/structure clear and unobstructed?	X		
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			X
6. All roof water or clean runoff is diverted from storage?	X		
7. Diversions/waterways maintained?			X
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?		X	
9. Waste storage pond access fenced and properly marked?		X	
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?	X		
11. Solids managed to <u>prevent</u> plants growing on crust?	X		
12. Anaerobic lagoon is purple/pink?	X		
13. Actively bubbling?	X		
14. Inlet pipes submerged?		X	
15. Downwind odor from WSP is: <input type="checkbox"/> Strong <input checked="" type="checkbox"/> Unbearable			

COMMENTS:

AGID: FARM NAME:

LAGOON ID: Lat: Long:

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: 1988

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.	1.	Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH	114 NS	
4. Footprint - inside top - WIDTH	185 EW	
5. Embankment - Inside SS	?	> 2H:1V
6. Embankment - Outside SS	2.5 : 1	> 2H:1V
7. Embankment - Top Width	10	
8. Embankment - Maximum Fill Height	8	
9. Maximum Excavation Depth	?	
10. Total POND Depth	?	
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA		
12. Inlet type and location: <input checked="" type="checkbox"/> Pipe, <input type="checkbox"/> Flume, <input type="checkbox"/> Scrape/slab, <input type="checkbox"/> Overflow 'T', <input type="checkbox"/> Other		
13. Outlet ramp slope and condition: none, earthen, gravel, concrete, other	FAIR NONE	
14. Pump/agitation site condition	GOOD	
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: Farm Building, Homes, Roads, Water Coursed		HWY 9
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		NO
18. Distance to nearest home/dwelling		680
19. Distance to nearest water course	WATERWAY W. OF RR. NOT SURE OF FLOW CONNECTION	100

COMMENTS:

DRAINS N TO #1 THROUGH PIPE WHEN FULL

AGID:

FARM NAME:

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

(2) Description of structural modification: _____

(3) Describe impact of modification on structural integrity: _____

(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

AGID:

FARM NAME:

Notes, drawings etc

A. Site inventory

LANDOWNER: KALSBECK

OPERATOR: EVIN KALSBECK

mid 90

AGID: 8013 FARM NAME: KALSBECK

LAGOON ID 3 HWY E Lat: 48.735869 Long: 122.19989

Phones: Cell: 360-739-0355

FARM ADDRESS:

REVIEW INVENTORY DATE: 7-17-2012

MANURE/ EFFLUENT LEVEL: 75 %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 2.5 FT.

Completed by: MICHAEL J Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring) *PUMPING*

DATE: 7-17-12

WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: _____

Weather: SUNNY

Temperature: 78

Soil surface: dry, moist, wet, saturated, standing water, frozen, snow covered

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AUG 17 2012

WSDA
DAIRY NUTRIENT MANAGEMENT

AGID: FARM NAME:

LAGOON ID: Lat: Long:

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?		X	
b. In vicinity of waste inlet structure?		X	
c. Due to erosion from rainfall?		X	
d. Near agitation equipment access points?		X	
2. Pond was constructed <u>with</u> a liner?		X	
a. Erosion of liner material?			X
b. Damaged material (holes, tears, seams)?			X
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			X
3. Signs of embankment damage?		X	
a. Due to burrowing animals?		X	
b. Presence of trees or woody vegetation?	1 SMYR	X	
c. Presence of large weeds?	X		
d. Evidence of overtopping of embankment?		X	
e. Evidence of soil erosion or gully on embankment?		X	
f. Evidence of cracks in embankment soils?		X	
g. Damp, soft, or slumping areas on berm?		X	
h. Seepage near bottom of berm slope?		X	
i. Seepage around pipes thru berm?		X	

COMMENTS:

AGID:

FARM NAME:

LAGOON ID:

Lat:

Long:

OPERATION AND MAINTENANCE

If any boxes checked "NO"; make notes of location and identify O & M task to improve management in **REPORT** section

SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?		X	
a. Is liquid level marker visible?		X	
b. Is storage capacity available for freeboard when pond is full?		X	
2. Are manure pump and transfer pipes functioning?	X		
3. Are recycling pumps and transfer pipes functioning?			X
4. Is pond overflow pipe/structure clear and unobstructed?			X
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			X
6. All roof water or clean runoff is diverted from storage?	X		
7. Diversions/waterways maintained?			X
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?		X	
9. Waste storage pond access fenced and properly marked?	FENCED		
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?		X	
11. Solids managed to <u>prevent</u> plants growing on crust?	X		
12. Anaerobic lagoon is purple/pink?	X		
13. Actively bubbling?	X		
14. Inlet pipes submerged?		X	
15. Downwind odor from WSP is:	Strong	Unbearable	

COMMENTS:

AGID: FARM NAME:

LAGOON ID: Lat: Long:

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: MID 90's

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.	900,000	Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH	140 NS	
4. Footprint - inside top - WIDTH	140 EW	
5. Embankment - Inside SS	2 : 1	> 2H:1V
6. Embankment - Outside SS	2.5 : 1	> 2H:1V
7. Embankment - Top Width	10	
8. Embankment - Maximum Fill Height	8.6	
9. Maximum Excavation Depth	? 4	
10. Total POND Depth	? 8	
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA		
12. Inlet type and location: <input checked="" type="checkbox"/> Pipe, <input type="checkbox"/> Flume, <input type="checkbox"/> Scrape/slab, <input type="checkbox"/> Overflow 'T', <input type="checkbox"/> Other	SW corner	
13. Outlet ramp slope and condition: <input checked="" type="checkbox"/> none, <input type="checkbox"/> earthen, <input type="checkbox"/> gravel, <input type="checkbox"/> concrete, <input type="checkbox"/> other	SW corner	
14. Pump/agitation site condition	5' x 10'	
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: <input checked="" type="checkbox"/> Farm Building, <input type="checkbox"/> Homes, <input type="checkbox"/> Roads, <input checked="" type="checkbox"/> Water Coursed		DITCH
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		NO
18. Distance to nearest home/dwelling		
19. Distance to nearest water course		30' DITCH - TO BLACK SLAUGH

COMMENTS:

OPERATOR HAS RACED FILL ALONG S. BANK WHERE BANK HAD SLOUGHED/GRODGE. WOULD BENEFIT FROM ~~SAND~~ SMOOTHING/COMPACTION

AGID:

FARM NAME:

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

(2) Description of structural modification: _____

(3) Describe impact of modification on structural integrity: _____

(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

AGID:

FARM NAME:

Notes, drawings etc

A. Site inventory

LANDOWNER: 1 SAME

OPERATOR: KEITH ROOSMA ^{+ROXIE}

AGID: 8869 FARM NAME: KEITH ROOSMA DOIRN ^{+ROXIE}

LAGOON ID 8869-2 Lat: 48.86375 Long: 122.401375

Phones: Cell: 360-441-6742

FARM ADDRESS: 1243 E PAE RD, EVERSON WA 98247

REVIEW INVENTORY DATE: 8-29-12

MANURE/ EFFLUENT LEVEL: 80 ~~20~~ % 10/11/12

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 14 FT.

Completed by: M. ISENSEE Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)

DATE: 8-12-12

WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: 10/11/12

Weather: OVERCAST

Temperature: 67°

Soil surface: (dry) moist, wet, saturated, standing water, frozen, snow covered

1632 E Hemmi
FORMER PAUL DICKSON PLACE
NW CORNER E HEMMI + MOON RDS
122.401375
48.86375

D. MEULBLOK

2:1

125
125

AGID: FARM NAME:

LAGOON ID: Lat: Long:

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?		/	
b. In vicinity of waste inlet structure?		/	
c. Due to erosion from rainfall?		/	
d. Near agitation equipment access points?		/	
2. Pond was constructed <u>with</u> a liner?	GLM		
a. Erosion of liner material?			/
b. Damaged material (holes, tears, seams)?			/
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			/
3. Signs of embankment damage?			
a. Due to burrowing animals?		/	
b. Presence of trees or woody vegetation?		/	
c. Presence of large weeds? - COTTAILS	/		
d. Evidence of overtopping of embankment?		/	
e. Evidence of soil erosion or gully on embankment?	X	/	
f. Evidence of cracks in embankment soils?		/	
g. Damp, soft, or slumping areas on berm?		/	
h. Seepage near bottom of berm slope?		/	
i. Seepage around pipes thru berm?		/	

COMMENTS:

3c. SOME ANIMAL TRAIL EROSION ON NORTH EMBANKMENT

AGID:

FARM NAME:

LAGOON ID:

Lat:

Long:

OPERATION AND MAINTENANCE

If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in REPORT section

SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?		/	
a. Is liquid level marker visible?		/	
b. Is storage capacity available for freeboard when pond is full?		/	
2. Are manure pump and transfer pipes functioning?			/
3. Are recycling pumps and transfer pipes functioning?			/
4. Is pond overflow pipe/structure clear and unobstructed?			/
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			/
6. All roof water or clean runoff is diverted from storage?	/		
7. Diversions/waterways maintained?			/
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?		/	
9. Waste storage pond access fenced and properly marked?	FENCED		
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?		/	
11. Solids managed to <u>prevent</u> plants growing on crust?	/		
12. Anaerobic lagoon is purple/pink?		/	
13. Actively bubbling?		/	
14. Inlet pipes submerged?			/
15. Downwind odor from WSP is: <input type="checkbox"/> Strong <input type="checkbox"/> Unbearable			

COMMENTS:

AGID: FARM NAME:

LAGOON ID: Lat: Long:

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: 1985 - From FARM PLAN
 DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

60%

OPERATOR ESTIMATE 330K

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.	7 WAS 550K NOW	Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH	WAS 127 NOW 127	
4. Footprint - inside top - WIDTH	13 (70)	
5. Embankment - Inside SS	2.05 : 1	> 2H:1V
6. Embankment - Outside SS	4 : 1	> 2H:1V
7. Embankment - Top Width	6	
8. Embankment - Maximum Fill Height	4	
9. Maximum Excavation Depth	4.7	
10. Total POND Depth	8.7	
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA		
12. Inlet type and location: Pipe, Flume, Scrape (slab), Overflow 'T', Other	GRAVITY	
13. Outlet ramp slope and condition: <input checked="" type="checkbox"/> none, earthen, gravel, concrete, other		
14. Pump/agitation site condition	GOOD	
15. Distance to nearest well/water depth in well in feet		225 EST.
16. Failure impacts: Farm Building, Homes, (Roads) Water Coursed		
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		NO
18. Distance to nearest home/dwelling		225 ft - 620 ft
19. Distance to nearest water course		500 ft

COMMENTS:

AGID:

FARM NAME:

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO ➔ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME: KEITH ROOSMA

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? ~~8~~ AUGUST 2011

(2) Description of structural modification: MOVED WESTERN BACK EASTWARD APPROX 40 FT, REDUCING POND CAPACITY BY 40%. ~~SEEP~~ OUTSIDE SIDE SLOPE NOW >4:1. REMOVED EXTENSIVE VEGETATION

(3) Describe impact of modification on structural integrity: NONE APPARENT. ABLE TO EASILY MOVE WESTERN SIDE SLOPE.

(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: :

NO CHANGE IN HEIGHT, BUT REDUCED CAPACITY BY APPROX 40%

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

AGID:

FARM NAME:

Notes, drawings etc

K ✓ ✓

A. Site inventory

OK

LANDOWNER: KEITH ROOSMA

AGID: 8869 FARM NAME: KEITH AND ROXIE ROOSMA DAIRY

LAGOON ID 8869-1 Lat: ~~48.87845~~ Long: ~~-122.51361~~

Telephone Cell 0 Work 360354-4594 48.89116 / -122.42448

FARM ADDRESS: 1243 E POLE ROAD, EVERSON

REVIEW INVENTORY DATE: 3/6/12

MANURE/ EFFLUENT LEVEL: 90 %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 2 FT.

Completed by: Dun Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)

DATE: 3/6/12

WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE:

AGID: **8869** FARM NAME: **KEITH AND ROXIE ROOSMA DAIRY**

LAGOON ID **8869-1** Lat: 48.87815 Long: -122.51361

Complete inventory questions appropriate to structure, *if no embankment, as in a pit pond, show NA.*

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?		X	
b. In vicinity of waste inlet structure?		X	
c. Due to erosion from rainfall?		X	
d. Near agitation equipment access points?		X	
2. Pond was constructed <u>without</u> a liner?	X	X	
3. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA			
a. Erosion of liner material?		X	
b. Damaged material (holes, tears, seams)?		X	
c. Damage from pressure under liner (slumps, bulges, boils, whales)?		X	
4. Signs of embankment damage?			
a. Due to burrowing animals?		X	
b. Presence of trees or woody vegetation?		X	
c. Presence of large weeds?		X	
d. Evidence of overtopping of embankment?		X	
e. Evidence of soil erosion or gully on embankment?		X	
f. Evidence of cracks in embankment soils?		X	
g. Damp, soft, or slumping areas on berm?		X	
h. Seepage near bottom of berm slope?		X	
i. Seepage around pipes thru berm?		X	

COMMENTS:

AGID: **8869** FARM NAME: **KEITH AND ROXIE ROOSMA DAIRY**

LAGOON ID **8869-1** Lat: 48.87815 Long: -122.51361

OPERATION AND MAINTENANCE			
If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in REPORT section			
SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?		X	
a. Is liquid level marker visible?		X	
b. Is storage capacity available for freeboard when pond is full?	X		
2. Are manure pump and transfer pipes functioning?	X		X
3. Are recycling pumps and transfer pipes functioning?			-X
4. Is pond overflow pipe/structure clear and unobstructed?	X		
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			✓
6. All roof water or clean runoff is diverted from storage?	X		
7. Diversions/waterways maintained?			✓
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?	X		
9. Waste storage pond access fenced and properly marked?	X		
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?	X		
11. Solids managed to prevent plants growing on crust?	X		
12. Anaerobic lagoon is purple/pink?			
13. Actively bubbling?		X	
14. Inlet pipes submerged?			
15. Downwind odor from WSP is:	None	Faint	Distinct
	Strong	Unbearable	

COMMENTS:

AGID: **8869** FARM NAME: **KEITH AND ROXIE ROOSMA DAIRY**

LAGOON ID **8869-1** Lat: 48.87815 Long: -122.51361

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: 1985

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification ⁹⁰
1. Storage capacity at overflow, or crest elevation if no spillway.	886,000	Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH <i>45 steps</i>	112' 140	
3. Footprint - inside top - WIDTH <i>20 steps</i>	50' 60	
4. Embankment - Inside SS	2/1	> 2H:1V
5. Embankment - Outside SS	2/1	> 2H:1V
6. Embankment - Top Width <i>4 steps</i>	10'	
7. Embankment - Maximum Fill Height	15'	
8. Maximum Excavation Depth	unknown	
9. Total POND Depth	unknown	
10. Liner type or soil amendment condition	Soil/Good	
11. Inlet type location and condition	Good	
12. Outlet ramp condition	Good	
13. Pump/agitation site condition	Good	

COMMENTS:

snow covered

DOES IT APPEAR THAT THE WSP WAS DESIGNED BY NRCS OR MET THE NRCS DESIGN CRITERIA IN PLACE AT THE TIME IT WAS INSTALLED OR LAST MODIFIED?

X YES _____ NO

C. Does it appear that the WSP been structurally modified?

 YES ~~X~~ NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME: KEITH ROOSMA

(1) Was the WSP modification designed? CIRCLE ONE: YES NO NA
If yes, list: Designer _____ Date _____

(2) Date of modification construction? _____

(3) Description of structural modification: _____

(4) Describe impact of modification on structural integrity: _____

(5) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

Notes, drawings etc

A. Site inventory

LANDOWNER: KEITH + DORIE ROOSMA

OPERATOR: KEITH ROOSMA

596 W King Tut Rd
5889-1
Johanna + Ken Roosma
FC 11/07

AGID: 8869 FARM NAME: KEITH ROOSMA DOIRY

LAGOON ID 1 Lat: 48.891086 Long: -122.424423

Phones: 360-354-4594 Cell: 48.878150 -122.513610

FARM ADDRESS: 1243 E. POLE RD. EVELSON WA 98247

REVIEW INVENTORY DATE: 8-29-2012

MANURE/ EFFLUENT LEVEL: 25% 30%

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: -3 FT.

6'

Completed by: M ISENSEE Agency DNMP/WSDA

D MEULBLOR

CHECK REVIEW CONDITION BELOW:



WSP is FULL (Typically late winter or early spring)

DATE: 8-29-12



WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: 10/11/2012

72:1 inside
50% liquid
w/ weeds
&
drucks
no crest

Weather: OVERCAST

Temperature: 65

Soil surface: dry, moist, wet, saturated, standing water, frozen, snow covered

AGID: FARM NAME:

LAGOON ID: Lat: *AM001 3407 1 4113* Long: *118 3407 3 4113*

Complete inventory questions appropriate to structure, *if no embankment, as in a pit pond, show NA.*

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?		/	
a. Due to wave action?		/	
b. In vicinity of waste inlet structure?		/	
c. Due to erosion from rainfall?		/	
d. Near agitation equipment access points?		/	
2. Pond was constructed <u>with</u> a liner?	<i>CLM</i>		
a. Erosion of liner material?			/
b. Damaged material (holes, tears, seams)?			/
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			/
3. Signs of embankment damage?		/	
a. Due to burrowing animals?		/	
b. Presence of trees or woody vegetation?		/	
c. Presence of large weeds?		/	
d. Evidence of overtopping of embankment?		/	
e. Evidence of soil erosion or gully on embankment?		/	
f. Evidence of cracks in embankment soils?		/	
g. Damp, soft, or slumping areas on berm?		/	
h. Seepage near bottom of berm slope?		/	
i. Seepage around pipes thru berm?		/	

COMMENTS:

AGID:

FARM NAME:

LAGOON ID:

Lat:

Long:

OPERATION AND MAINTENANCE

If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in REPORT section

SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?		/	
a. Is liquid level marker visible?		/	
b. Is storage capacity available for freeboard when pond is full?		/	
2. Are manure pump and transfer pipes functioning?	/		/
3. Are recycling pumps and transfer pipes functioning?			//
4. Is pond overflow pipe/structure clear and unobstructed?			//
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			/
6. All roof water or clean runoff is diverted from storage?	/		
7. Diversions/waterways maintained?			/
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?	/		
9. Waste storage pond access fenced and properly marked?	(FENCED)		
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?	SOME		
11. Solids managed to prevent plants growing on crust?	/		
12. Anaerobic lagoon is purple/pink?		/	
13. Actively bubbling?	/		
14. Inlet pipes submerged?		/	
15. Downwind odor from WSP is:	Strong	Unbearable	

COMMENTS:

AGID: FARM NAME:

LAGOON ID: Lat: Long:

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

?
UMIC

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.	866,400	Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH	135 NS	
4. Footprint - inside top - WIDTH	75 EW	
5. Embankment - Inside SS	2:1	> 2H:1V
6. Embankment - Outside SS	3.5:1	> 2H:1V
7. Embankment - Top Width	40	
8. Embankment - Maximum Fill Height	4.7 4	
9. Maximum Excavation Depth	8.7 4.7	
10. Total POND Depth	8.7	
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA		
12. Inlet type and location: Pipe, Flume, Scrape/slab, Overflow 'T', Other		
13. Outlet ramp slope and condition: <u>none</u> , earthen, gravel, concrete, other		
14. Pump/agitation site condition	good	
15. Distance to nearest well/water depth in well in feet		? 250
16. Failure impacts: Farm Building, Homes, Roads, <u>Water Coursed</u>		
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		
18. Distance to nearest home/dwelling	DOWN HILL	> 5000 Ft
19. Distance to nearest water course		550 Ft - S. to 4 MILE CREEK

COMMENTS:

AGID:

FARM NAME:

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

(2) Description of structural modification: _____

(3) Describe impact of modification on structural integrity: _____

(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

AGID:

FARM NAME:

Notes, drawings etc

DATE 10-25-11 STAFF _____ FAC. SITE KEY _____ STATUS _____

FARM NAME Keller AG ID _____

FARM ADDRESS: _____

FARM CONTACT _____

FARM CONTACT MAILING ADDRESS _____

OF LAGOONS MANAGED UNDER NMP _____ THIS LAGOON ID _____

LONGITUDE _____ LATITUDE _____

WSP IS TODAY NEARLY FULL NEARLY EMPTY PICTURES TAKEN

TODAY LIQUID LEVEL IS _____ FEET BELOW TOP OF EMBANKMENT OR SPILLWAY ELEVATION

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in COMMENTS section.			
SITE INVENTORY QUESTION	1 YES	2 NO	3 NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?		✓	✓
b. In vicinity of waste inlet structure?		✓	✓
c. Due to erosion from rainfall?		✓	✓
d. Near agitation equipment access points?		✓	✓
2. Pond was constructed without a liner?		✓	✓
3. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA			
a. Erosion of liner material?		✓	✓
b. Damaged material (holes, tears, seams)?		✓	✓
c. Damage from pressure under liner (slumps, bulges, boils, whales)?		✓	✓
4. Signs of embankment damage?		✓	✓
a. Due to burrowing animals?		✓	✓
b. Presence of trees or woody vegetation?		✓	✓
c. Presence of large weeds?		✓	✓
d. Evidence of overtopping of embankment?		✓	✓
e. Evidence of soil erosion or gully on embankment?		✓	✓
f. Evidence of cracks in embankment soils?		✓	✓
g. Damp, soft, or slumping areas on berm?	✓	✓	
h. Seepage near bottom of berm slope?	✓	✓	
i. Seepage around pipes thru berm?	✓	✓	

OPERATION AND MAINTENANCE

If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in the COMMENT section

SITE INVENTORY QUESTION	YES	NO	NA		
1. Is there a permanent liquid level marker available to measure depth of pond?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
a. Is liquid level marker visible?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
b. Is storage capacity available for freeboard when pond is full?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
2. Are manure pump and transfer pipes functioning?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
3. Are recycling pumps and transfer pipes functioning?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
4. Is pond overflow pipe/structure clear and unobstructed?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
CLEAN WATER DIVERSION					
5. Perimeter drains plugged or blocked?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
6. All roof water or clean runoff is diverted from storage?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
7. Diversions/waterways maintained?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
VISUAL APPEARANCE AND SAFETY					
8. Site neat and recently mowed?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
9. Waste storage pond access fenced and properly marked?			<input checked="" type="checkbox"/>		
O & M ITEMS FOR ODOR AND AIR QUALITY					
10. Crust of solids on lagoon?		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
11. Solids managed to prevent plants growing on crust?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
12. Anaerobic lagoon is purple/pink?		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
13. Actively bubbling?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
14. Inlet pipes submerged?		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
15. Downwind odor from WSP is:	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Faint	<input type="checkbox"/> Distinct	<input type="checkbox"/> Strong	<input type="checkbox"/> Unbearable

Earthen Structural Review comments	Operations and Maintenance comments
#1 #2 old Cleaned out - looks good	
new #1 sands buildup new lagoon	WSS 1/2 imp

AGID: «AgID» FARM NAME: «Facility_Name»

LAGOON ID «Lagoon_ID»

Lat: «Latitude» Long: «Longitude»

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification ¹	
1. Storage capacity at overflow, or crest elevation if no spillway.	#1 NRCS 03? #2 NRCS 2003	Less than 10 acre-feet for all but dam safety permitted ponds	
2. Footprint - inside top - LENGTH	267	275	
3. Footprint - inside top - WIDTH	150	150	
4. Embankment - Inside SS	2:0	2:0	> 2H:1V
5. Embankment - Outside SS	3:0	3:0	> 2H:1V
6. Embankment - Top Width	10	10	
7. Embankment - Maximum Fill Height	7	? 7	
8. Maximum Excavation Depth	1	7	
9. Total POND Depth	8	14	
10. Liner type or soil amendment condition	Clay	Clay	
11. Inlet type location and condition	Soft	Soft gravelly 1st	
12. Outlet ramp condition	good	good	
13. Pump/agitation site condition	good	good	

COMMENTS:

Excellent lagoons

DOES IT APPEAR THAT THE WSP WAS DESIGNED BY NRCS OR MET THE NRCS DESIGN CRITERIA IN PLACE AT THE TIME IT WAS INSTALLED OR LAST MODIFIED?

_____ YES _____ NO



A. Site inventory

LANDOWNER: **KEN BOSSCHER**

AGID: **9785** FARM NAME: **KEN BOSSCHER DAIRY**

LAGOON ID **9785-1** Lat: **48.96871** Long: **-122.3091**

Telephone Cell **0** Work **360988-6003**

FARM ADDRESS: **9043 NOOKSACK ROAD, EVERSON**

REVIEW INVENTORY DATE: 3/15/12

MANURE/ EFFLUENT LEVEL: 90 %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 1 FT.

Completed by: Dan Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:



WSP is FULL (Typically late winter or early spring)

DATE: _____



WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: _____

*cm w/wife
1:00
Thurs*

AGID: 9785 FARM NAME: KEN BOSSCHER DAIRY

LAGOON ID 9785-1 Lat: 48.96871 Long: -122.3091

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?			
b. In vicinity of waste inlet structure?			
c. Due to erosion from rainfall?			
d. Near agitation equipment access points?			
2. Pond was constructed without a liner?			
3. Circle liner type or NA: <u>Compacted Clay</u> Flexible Membrane Bentonite Amendment Other NA			
a. Erosion of liner material?			
b. Damaged material (holes, tears, seams)?			
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
4. Signs of embankment damage?			
a. Due to burrowing animals?		✓	
b. Presence of trees or woody vegetation?	✓		
c. Presence of large weeds?			
d. Evidence of overtopping of embankment?			
e. Evidence of soil erosion or gully on embankment?			
f. Evidence of cracks in embankment soils?			
g. Damp, soft, or slumping areas on berm?			
h. Seepage near bottom of berm slope?			
i. Seepage around pipes thru berm?			

COMMENTS:

Blackberries

AGID: 9785 FARM NAME: KEN BOSSCHER DAIRY

LAGOON ID 9785-1 Lat: 48.96871 Long: -122.3091

OPERATION AND MAINTENANCE			
If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in REPORT section			
SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?			
a. Is liquid level marker visible?		✓	
b. Is storage capacity available for freeboard when pond is full?	✓		
2. Are manure pump and transfer pipes functioning?	✓		
3. Are recycling pumps and transfer pipes functioning?	✓		
4. Is pond overflow pipe/structure clear and unobstructed?	✓		
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			✓
6. All roof water or clean runoff is diverted from storage?	✓		
7. Diversions/waterways maintained?			✓
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?		✓	
9. Waste storage pond access fenced and properly marked?		✓	
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?		✓	
11. Solids managed to <u>prevent</u> plants growing on crust?			✓
12. Anaerobic lagoon is purple/pink?	✓		
13. Actively bubbling?	✓		
14. Inlet pipes submerged?	✓		
15. Downwind odor from WSP is:	<input checked="" type="checkbox"/> None <input type="checkbox"/> Faint <input type="checkbox"/> Distinct <input type="checkbox"/> Strong <input type="checkbox"/> Unbearable		

COMMENTS:

AGID: 9785 FARM NAME: KEN BOSSCHER DAIRY

LAGOON ID 9785-1 Lat: 48.96871 Long: -122.3091

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification ⁸⁷
1. Storage capacity at overflow, or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH 113	282'	
3. Footprint - inside top - WIDTH 70	175'	
4. Embankment - Inside SS	unknown - full	> 2H:1V
5. Embankment - Outside SS	1/5	> 2H:1V
6. Embankment - Top Width	10'	
7. Embankment - Maximum Fill Height	10'	
8. Maximum Excavation Depth	0	
9. Total POND Depth	10'	
10. Liner type or soil amendment condition	clay - good	
11. Inlet type location and condition	pipe - good	
12. Outlet ramp condition	good	
13. Pump/agitation site condition	good	

COMMENTS:

DOES IT APPEAR THAT THE WSP WAS DESIGNED BY NRCS OR MET THE NRCS DESIGN CRITERIA IN PLACE AT THE TIME IT WAS INSTALLED OR LAST MODIFIED?

YES NO

C. Does it appear that the WSP been structurally modified?

 YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME: KEN BOSSCHER

(1) Was the WSP modification designed? CIRCLE ONE: YES NO NA
If yes, list: Designer _____ Date _____

(2) Date of modification construction? _____

(3) Description of structural modification: _____

(4) Describe impact of modification on structural integrity: _____

(5) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

Notes, drawings etc

A. Site inventory

SOLD ALL COWS in July

*Nooksack
RD*

LANDOWNER: _____

OPERATOR: **KEN BOSSCHER** *1-3 PM*

AGID: **9785** FARM NAME: **KEN BOSSCHER DAIRY**

LAGOON ID: 9785-1

Lat: 48.968710

Long: -122.309100

Phones: (360) 988-6003 Cell:

FARM ADDRESS: 9043 NOOKSACK ROAD EVERSON WA 98247

REVIEW INVENTORY DATE: 9/24/2012

MANURE/ EFFLUENT LEVEL: 0 %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 4 FT.

Completed by: DIRE NEULBLOK Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)

DATE: _____

WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: 9/24/2012

Weather: Sunny

Temperature: 71

Soil surface: dry moist, wet, saturated, standing water, frozen, snow covered

Complete inventory questions appropriate to structure, *if no embankment, as in a pit pond, show NA.*

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?		/	
b. In vicinity of waste inlet structure?		/	
c. Due to erosion from rainfall?		/	
d. Near agitation equipment access points?			
2. Pond was constructed <u>with</u> a liner?			
a. Erosion of liner material?			
b. Damaged material (holes, tears, seams)?			
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
3. Signs of embankment damage?			
a. Due to burrowing animals?		X	
b. Presence of trees or woody vegetation?		X	
c. Presence of large weeds?	X		
d. Evidence of overtopping of embankment?		X	
e. Evidence of soil erosion or gully on embankment?		X	
f. Evidence of cracks in embankment soils?		/	
g. Damp, soft, or slumping areas on berm?		/	
h. Seepage near bottom of berm slope?		/	
i. Seepage around pipes thru berm?		/	

COMMENTS:

SE corner BB's

AGID: 9785

FARM NAME: KEN BOSSCHER DAIRY

LAGOON ID: 9785-1

Lat: 48.968710

Long: -122.309100

OPERATION AND MAINTENANCE			
If any boxes checked "NO"; make notes of location and identify O & M task to improve management in REPORT section			
SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?			
a. Is liquid level marker visible?		X	
b. Is storage capacity available for freeboard when pond is full?		X	
2. Are manure pump and transfer pipes functioning?			
3. Are recycling pumps and transfer pipes functioning?			
4. Is pond overflow pipe/structure clear and unobstructed?			
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			
6. All roof water or clean runoff is diverted from storage?			
7. Diversions/waterways maintained?			
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?			
9. Waste storage pond access fenced and properly marked?			
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?			
11. Solids managed to <u>prevent</u> plants growing on crust?			
12. Anaerobic lagoon is purple/pink?			
13. Actively bubbling?			
14. Inlet pipes submerged?			
15. Downwind odor from WSP is:	<input type="checkbox"/> Strong	<input type="checkbox"/> Unbearable	

COMMENTS:

Weeds and solids

FB 3 ft

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH		
4. Footprint - inside top - WIDTH		
5. Embankment - Inside SS	72:1	> 2H:1V
6. Embankment - Outside SS	3:1	> 2H:1V
7. Embankment – Top Width	8	
8. Embankment – Maximum Fill Height	6	
9. Maximum Excavation Depth	2	
10. Total POND Depth	8	
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input checked="" type="checkbox"/> NA		
12. Inlet type and location: Pipe, Flume, Scrape/slab, Overflow 'T', Other		
13. Outlet ramp slope and condition: none, earthen, gravel, concrete, other		
14. Pump/agitation site condition		
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: Farm Building, Homes, Roads, Water Coursed		
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		
18. Distance to nearest home/dwelling		
19. Distance to nearest water course		

COMMENTS:

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

____ YES ____ NO

C. Does it appear that the WSP been structurally modified?

____ YES ____ NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

(2) Description of structural modification: _____

(3) Describe impact of modification on structural integrity: _____

(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

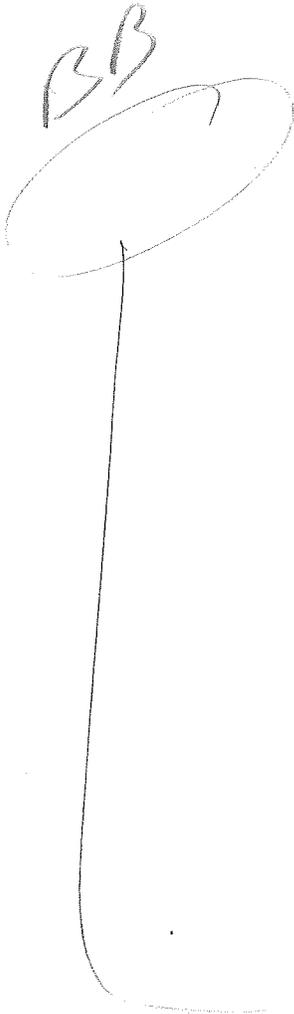
- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

AGID: 9785

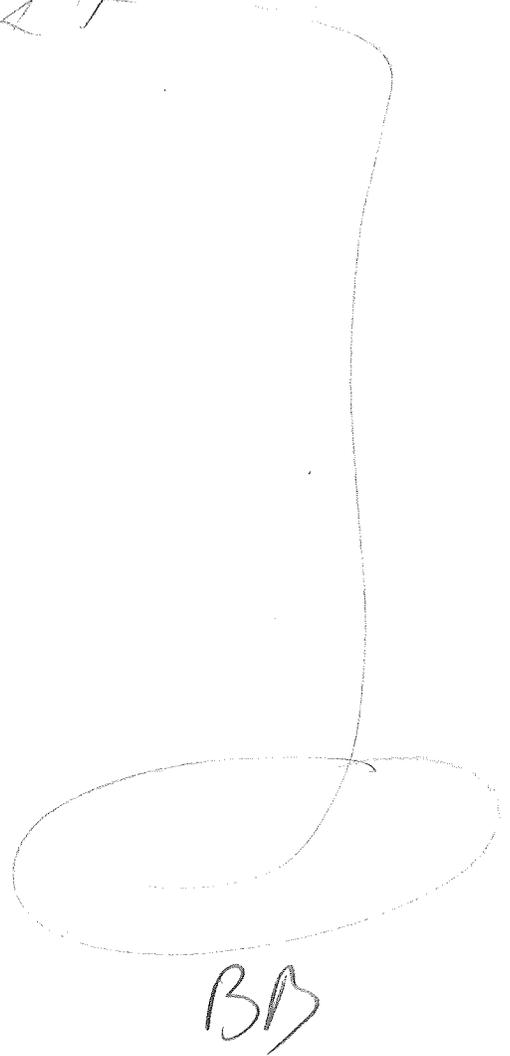
FARM NAME: KEN BOSSCHER DAIRY

Notes, drawings etc

compost pile
w/ cow bones
stickney
out.



some
mide / gophers
sign
X
X



A. Site inventory

LANDOWNER: KENNETH G ZYLSTRA

AGID: 9392 FARM NAME: KENNETH G ZYLSTRA DAIRY

LAGOON ID 9392-1 Lat: 49.001³24 Long: -122.410⁴⁹69

Telephone Cell 3608151203 Work 360354-3698

FARM ADDRESS: 1485 E BOUNDARY ROAD, LYNDEN

REVIEW INVENTORY DATE: 4/26/12

MANURE/ EFFLUENT LEVEL: 95 %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 1 FT.

Completed by: MICHAEL Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:



WSP is FULL (Typically late winter or early spring)

DATE: 4-26-12



WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE:

✓ V



ZYLSTRA

~~12/29/11~~

AGID: 9392 FARM NAME: KENNETH G ZYLSTRA DAIRY

LAGOON ID 9392-1 Lat: 49.00124 Long: -122.41069

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?		X	
a. Due to wave action?		X	
b. In vicinity of waste inlet structure?		X	
c. Due to erosion from rainfall?		X	
d. Near agitation equipment access points?		X	
2. Pond was constructed <u>without</u> a liner?	X		
3. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA			
a. Erosion of liner material?			X
b. Damaged material (holes, tears, seams)?			X
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			X
4. Signs of embankment damage?			
a. Due to burrowing animals?		X	
b. Presence of trees or woody vegetation?		X	
c. Presence of large weeds?	X		
d. Evidence of overtopping of embankment?		X	
e. Evidence of soil erosion or gully on embankment?		X	
f. Evidence of cracks in embankment soils?		X	
g. Damp, soft, or slumping areas on berm?		X	
h. Seepage near bottom of berm slope?		X	
i. Seepage around pipes thru berm?		X	

COMMENTS:

4c. BLACK BERRIES

AGID: 9392 FARM NAME: KENNETH G ZYLSTRA DAIRY

LAGOON ID 9392-1 Lat: 49.00124 Long: -122.41069

OPERATION AND MAINTENANCE			
If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in REPORT section			
SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?		X	
a. Is liquid level marker visible?		X	
b. Is storage capacity available for freeboard when pond is full?		X	
2. Are manure pump and transfer pipes functioning?	X		
3. Are recycling pumps and transfer pipes functioning?			X
4. Is pond overflow pipe/structure clear and unobstructed?			X
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			X
6. All roof water or clean runoff is diverted from storage?	X		
7. Diversions/waterways maintained?			X
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?		X	
9. Waste storage pond access fenced and properly marked?	FENCED X		
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?		X	
11. Solids managed to prevent plants growing on crust?	X		
12. Anaerobic lagoon is purple/pink?	X		
13. Actively bubbling?	X		
14. Inlet pipes submerged? - SOLIDS SEPARATOR		X	
15. Downwind odor from WSP is: <input checked="" type="checkbox"/> None <input type="checkbox"/> Faint <input type="checkbox"/> Distinct <input type="checkbox"/> Strong <input type="checkbox"/> Unbearable			

COMMENTS:

8 SPRING GRASS - SOME BLACK BERRY

AGID: 9392 FARM NAME: KENNETH G ZYLSTRA DAIRY

LAGOON ID 9392-1 Lat: 49.00124 Long: -122.41069

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: NRCS DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: 1988

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification ¹⁷⁵
1. Storage capacity at overflow, or crest elevation if no spillway.	2.3 MIL	Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH	217 NS	
3. Footprint - inside top - WIDTH	217 EW	
4. Embankment - Inside SS	2.5	> 2H:1V
5. Embankment - Outside SS	3	> 2H:1V
6. Embankment - Top Width	12	
7. Embankment - Maximum Fill Height	5	
8. Maximum Excavation Depth	4	
9. Total POND Depth	9	
10. Liner type or soil amendment condition	NO LINER	
11. Inlet type location and condition	GOOD - CONCRETE	
12. Outlet ramp condition	GOOD - CONCRETE	
13. Pump/agitation site condition	GOOD	

COMMENTS:

WHEN FULL FLANS BACK TOWARD BARN S

DOES IT APPEAR THAT THE WSP WAS DESIGNED BY NRCS OR MET THE NRCS DESIGN CRITERIA IN PLACE AT THE TIME IT WAS INSTALLED OR LAST MODIFIED?

YES NO

C. Does it appear that the WSP been structurally modified?

 YES X NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME: KENNETH G ZYLSTRA

(1) Was the WSP modification designed? CIRCLE ONE: YES NO NA
If yes, list: Designer _____ Date _____

(2) Date of modification construction? _____

(3) Description of structural modification: _____

(4) Describe impact of modification on structural integrity: _____

(5) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

Notes, drawings etc



Google earth

feet
meters



WATER OVERFLOWS OFF ROAD TO SOUTH OF BUSINESS

A. Site inventory



4-7-13

LANDOWNER: **KENNETH G ZYLSTRA**

AGID: **9392** FARM NAME: **KENNETH G ZYLSTRA DAIRY**

LAGOON ID **9392-2** Lat: ⁴⁷⁹~~48.99512~~ Long: ⁰⁹⁷⁹~~-122.41046~~

Telephone Cell **3608151203** Work **360354-3698**

FARM ADDRESS: 1485 E BOUNDARY ROAD, LYNDEN

REVIEW INVENTORY DATE: _____

MANURE/ EFFLUENT LEVEL: 80 %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 2 1/2 FT.

Completed by: MICHAEL

Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:



WSP is FULL (Typically late winter or early spring)

DATE: 4-26-12



WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: _____

AGID: 9392 FARM NAME: KENNETH G ZYLSTRA DAIRY

LAGOON ID 9392-2 Lat: 48.99512 Long: -122.41016

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?		X	
a. Due to wave action?		X	
b. In vicinity of waste inlet structure?		X	
c. Due to erosion from rainfall?		X	
d. Near agitation equipment access points?		X	
2. Pond was constructed <u>without</u> a liner?	X		
3. Circle liner type or NA: <input type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA			
a. Erosion of liner material?		X	X
b. Damaged material (holes, tears, seams)?		X	X
c. Damage from pressure under liner (slumps, bulges, boils, whales)?		X	X
4. Signs of embankment damage?			
a. Due to burrowing animals?		X	
b. Presence of trees or woody vegetation?		X	
c. Presence of large weeds?	X		
d. Evidence of overtopping of embankment?		X	
e. Evidence of soil erosion or gully on embankment?		X	
f. Evidence of cracks in embankment soils?		X	
g. Damp, soft, or slumping areas on berm?		X	
h. Seepage near bottom of berm slope?		X	
i. Seepage around pipes thru berm?		X	

COMMENTS:

4c. BLOCK BEARINGS

AGID: 9392 FARM NAME: KENNETH G ZYLSTRA DAIRY

LAGOON ID 9392-2 Lat: 48.99512 Long: -122.41016

OPERATION AND MAINTENANCE			
If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in REPORT section			
SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?		X	
a. Is liquid level marker visible?		X	
b. Is storage capacity available for freeboard when pond is full?		X	
2. Are manure pump and transfer pipes functioning?	X		
3. Are recycling pumps and transfer pipes functioning?			X
4. Is pond overflow pipe/structure clear and unobstructed?			X
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			X
6. All roof water or clean runoff is diverted from storage?		X	
7. Diversions/waterways maintained?			X
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?		X	
9. Waste storage pond access fenced and properly marked?			
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?	X		
11. Solids managed to prevent plants growing on crust?	X		
12. Anaerobic lagoon is purple/pink?	X		
13. Actively bubbling?	X		
14. Inlet pipes submerged?			X
15. Downwind odor from WSP is:	None	Faint	Distinct
			Strong
			Unbearable

COMMENTS:

OLD BARN + CONCRETE PAD DRAIN TO LOW SPOT - SCRAPED INTO POND

9 - SPRING GRASS - BLACKBERRIES ALONG SOUTH BANK SHOWN W/ BUNKER

AGID: 9392 FARM NAME: KENNETH G ZYLSTRA DAIRY

LAGOON ID 9392-2 Lat: 48.99512 Long: -122.41016

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: NRCS DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: 1985

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification ¹⁷⁴
1. Storage capacity at overflow, or crest elevation if no spillway.	1M - ESTIMATE	Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH	120 NS	
3. Footprint - inside top - WIDTH	170 EW	
4. Embankment - Inside SS	2.5	> 2H:1V
5. Embankment - Outside SS	2.5	> 2H:1V
6. Embankment - Top Width	10	
7. Embankment - Maximum Fill Height	6	
8. Maximum Excavation Depth	7	
9. Total POND Depth	13	
10. Liner type or soil amendment condition	NONE	
11. Inlet type location and condition	GOOD CONCRETE	
12. Outlet ramp condition	SAME	
13. Pump/agitation site condition	GOOD	

COMMENTS: SOLIDS + LIQUIDS
 UNIQUE DESIGN - SCRAPPED UP CONCRETE RAMP AND INTO LAGOON.
 POOL AREA COLLECTS SUBSTANTIAL WATER WHICH APPEARS TO OVERFLOW TO SOUTH OF POND

DOES IT APPEAR THAT THE WSP WAS DESIGNED BY NRCS OR MET THE NRCS DESIGN CRITERIA IN PLACE AT THE TIME IT WAS INSTALLED OR LAST MODIFIED?

YES NO

C. Does it appear that the WSP been structurally modified?

 YES X NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME: KENNETH G ZYLSTRA

(1) Was the WSP modification designed? CIRCLE ONE: YES NO NA
If yes, list: Designer _____ Date _____

(2) Date of modification construction? _____

(3) Description of structural modification: _____

(4) Describe impact of modification on structural integrity: _____

(5) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

Notes, drawings etc

RECEIVED

JUL 27 2012

WSDA
DAIRY NUTRIENT MANAGEMENT

A. Site inventory

LANDOWNER: Rich & Linda Kortus

OPERATOR: KORTUS - HEIFERS + BEEF COWS

ND 18

AGID: FARM NAME: **KORTUS**

LAGOON ID 1 EAST Lat: 48.94345 Long: 122.59953

Phones: Cell:

FARM ADDRESS: 2126 JESS RD, CUSTER, WA 98240-9610

REVIEW INVENTORY DATE: 7-20-12

MANURE/ EFFLUENT LEVEL: 67 %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 3 FT.

Completed by: M ISENSEE Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:



WSP is FULL (Typically late winter or early spring)

DATE: 7-20-12



WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: _____

HAS CONTRACT
w/ MARYBERRY
TO TAKE
THIS LAGOON
FOR BERRY
REJUV IN
LATE AUGUST

Weather: SHOWERS

Temperature: 62

HEIFERS
for
RON VANOCX
+
SOME BEEF
15

Soil surface: dry, moist, wet, saturated, standing water, frozen, snow covered

AGID: FARM NAME: KORTUS

LAGOON ID: Lat: Long:

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?		X	
a. Due to wave action?		↓	
b. In vicinity of waste inlet structure?			
c. Due to erosion from rainfall?			
d. Near agitation equipment access points?			
2. Pond was constructed <u>with</u> a liner?	CLAY		
a. Erosion of liner material?			X
b. Damaged material (holes, tears, seams)?			X
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			X
3. Signs of embankment damage?			
a. Due to burrowing animals?		X	
b. Presence of trees or woody vegetation?		X	
c. Presence of large weeds?		X	
d. Evidence of overtopping of embankment?		X	
e. Evidence of soil erosion or gully on embankment?		X	
f. Evidence of cracks in embankment soils?		X	
g. Damp, soft, or slumping areas on berm?		X	
h. Seepage near bottom of berm slope?		X	
i. Seepage around pipes thru berm?		X	

COMMENTS:

AGID: FARM NAME: KORTUS

LAGOON ID: Lat: Long:

OPERATION AND MAINTENANCE			
If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in REPORT section			
SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?		X	
a. Is liquid level marker visible?		X	
b. Is storage capacity available for freeboard when pond is full?		X	
2. Are manure pump and transfer pipes functioning?	X		
3. Are recycling pumps and transfer pipes functioning?			X
4. Is pond overflow pipe/structure clear and unobstructed?			X
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			X
6. All roof water or clean runoff is diverted from storage?	X		
7. Diversions/waterways maintained?			X
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?	X		
9. Waste storage pond access fenced and properly marked?	BOTH X		
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?	X		
11. Solids managed to prevent plants growing on crust?	X		
12. Anaerobic lagoon is purple/pink?	X		
13. Actively bubbling?	X		
14. Inlet pipes submerged?	X		
15. Downwind odor from WSP is:	Strong	Unbearable	

COMMENTS:

ALL MANURE TO THIS LAGOON. THEN OVERFLOWS VIA PIPE TO WEST LAGOON. ↓

AGID: FARM NAME: KORTUS

LAGOON ID: Lat: Long:

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: NRCS DATE: EARLY 80s

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.	1,200,000 OPERATION	Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH	105 N-S	
4. Footprint - inside top - WIDTH	250 E-W	
5. Embankment - Inside SS	20 20 : 1	> 2H:1V
6. Embankment - Outside SS	3 : 1	> 2H:1V
7. Embankment - Top Width	15	
8. Embankment - Maximum Fill Height	12	
9. Maximum Excavation Depth	12	
10. Total POND Depth	12	
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA		
12. Inlet type and location: <input checked="" type="checkbox"/> Pipe, <input type="checkbox"/> Flume, <input type="checkbox"/> Scrape/slab, <input type="checkbox"/> Overflow 'T', <input type="checkbox"/> Other		
13. Outlet ramp slope and condition: <input checked="" type="checkbox"/> none, <input type="checkbox"/> earthen, <input type="checkbox"/> gravel, <input type="checkbox"/> concrete, <input type="checkbox"/> other		
14. Pump/agitation site condition	GOOD	
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: Farm Building, Homes, Roads, <input checked="" type="checkbox"/> Water Coursed		
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		NO
18. Distance to nearest home/dwelling		470 OPERADIENT TO RES
19. Distance to nearest water course		35' DAKOTA CR

COMMENTS:

AGID: FARM NAME: KORTUS

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

(2) Description of structural modification: _____

(3) Describe impact of modification on structural integrity: _____

(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

AGID: FARM NAME: KORTUS

Notes, drawings etc

RECEIVED

JUL 27 2012

WSDA DAIRY NUTRIENT MANAGEMENT



A. Site inventory

LANDOWNER: ^{RICH} KORTUS

OPERATOR: ^{ND18} KORTUS

AGID: FARM NAME: KORTUS

LAGOON ID ^{2 WEST} Lat: ^{48.94368} Long: ^{122.60063}
^{ND18-2}

Phones: Cell:

FARM ADDRESS: ^{2126 JESS RD, CUSTER}

REVIEW INVENTORY DATE: ⁷⁻²⁰⁻¹²

MANURE/ EFFLUENT LEVEL: ⁶⁷ %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: ³ FT.

Completed by: ^{MICHAEL F} Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)

DATE: ⁷⁻²⁰⁻²⁰¹²

WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: _____

Weather: ^{SHOWERS}

Temperature: ^{62°}

Soil surface: dry, moist, ^{wet} saturated, standing water, frozen, snow covered

AGID: FARM NAME:

LAGOON ID: Lat: Long:

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?		X	
a. Due to wave action?		↓	
b. In vicinity of waste inlet structure?			
c. Due to erosion from rainfall?			
d. Near agitation equipment access points?			
2. Pond was constructed <u>with</u> a liner?	CLM		
a. Erosion of liner material?			X
b. Damaged material (holes, tears, seams)?			X
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			X
3. Signs of embankment damage?		↓	
a. Due to burrowing animals?			
b. Presence of trees or woody vegetation?			
c. Presence of large weeds?			
d. Evidence of overtopping of embankment?			
e. Evidence of soil erosion or gully on embankment?			
f. Evidence of cracks in embankment soils?			
g. Damp, soft, or slumping areas on berm?			
h. Seepage near bottom of berm slope?			
i. Seepage around pipes thru berm?		↓	

COMMENTS:

AGID:

FARM NAME:

LAGOON ID:

Lat:

Long:

OPERATION AND MAINTENANCE

If any boxes checked "NO"; make notes of location and identify O & M task to improve management in **REPORT** section

SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?		X	
a. Is liquid level marker visible?		X	
b. Is storage capacity available for freeboard when pond is full?		X	
2. Are manure pump and transfer pipes functioning?	X		
3. Are recycling pumps and transfer pipes functioning?			X
4. Is pond overflow pipe/structure clear and unobstructed?			X
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			X
6. All roof water or clean runoff is diverted from storage?	X		
7. Diversions/waterways maintained?			X
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?	X		
9. Waste storage pond access fenced and properly marked?	BOTH		
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?		X	
11. Solids managed to <u>prevent</u> plants growing on crust?	X		
12. Anaerobic lagoon is purple/pink?		X	
13. Actively bubbling?		X	
14. Inlet pipes submerged?		X	
15. Downwind odor from WSP is:	<input type="checkbox"/> Strong	<input type="checkbox"/> Unbearable	

COMMENTS:

AGID: FARM NAME:

LAGOON ID: Lat: Long:

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: NRCS DATE: 1994

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.	1.2 mill	Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH	225	
4. Footprint - inside top - WIDTH	106 NS	
5. Embankment - Inside SS	2:1	> 2H:1V
6. Embankment - Outside SS	5:1	> 2H:1V
7. Embankment - Top Width	15	
8. Embankment - Maximum Fill Height	12	
9. Maximum Excavation Depth	12	
10. Total POND Depth	12	
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA		
12. Inlet type and location: <input checked="" type="checkbox"/> Pipe, <input type="checkbox"/> Flume, <input type="checkbox"/> Scrape/slab, <input type="checkbox"/> Overflow 'T', <input type="checkbox"/> Other	12" T from E LAGOON	
13. Outlet ramp slope and condition: <input checked="" type="checkbox"/> none, <input type="checkbox"/> earthen, <input type="checkbox"/> gravel, <input type="checkbox"/> concrete, <input type="checkbox"/> other		
14. Pump/agitation site condition	GOOD	
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: Farm Building, Homes, Roads, <input checked="" type="checkbox"/> Water Coursed		
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		NO
18. Distance to nearest home/dwelling		630 HOUSE IS UPGRADIENT
19. Distance to nearest water course		97

COMMENTS:

AGID:

FARM NAME:

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

(2) Description of structural modification: _____

(3) Describe impact of modification on structural integrity: _____

(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

AGID:

FARM NAME:

Notes, drawings etc

DATE _____ STAFF **CM** FAC. SITE KEY **9940227** STATUS **Active**

FARM NAME **KRUSE FAMILY LP** AG ID **4686**

FARM ADDRESS **42922 SE 284th Avenue near Enumclaw**

FARM CONTACT **Brad Kruse** * ^{call @ 4:00} **425-761-7546 / 360-825-3355**

FARM CONTACT MAILING ADDRESS _____

OF LAGOONS MANAGED UNDER NMP **1** THIS LAGOON ID **4886-1**

LONGITUDE **-121.96102** LATITUDE **47.21678** ⁵⁵⁰

WSP IS TODAY NEARLY FULL NEARLY EMPTY PICTURES TAKEN

TODAY LIQUID LEVEL IS 0 FEET BELOW TOP OF EMBANKMENT OR SPILLWAY ELEVATION

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in COMMENTS section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?		<input checked="" type="checkbox"/>	
b. In vicinity of waste inlet structure?		<input checked="" type="checkbox"/>	
c. Due to erosion from rainfall?		<input checked="" type="checkbox"/>	
d. Near agitation equipment access points?		<input checked="" type="checkbox"/>	
2. Pond was constructed <u>without</u> a liner?		<input checked="" type="checkbox"/>	
3. Circle liner type or NA: <u>Compacted Clay</u> Flexible Membrane Bentonite Amendment Other NA			
a. Erosion of liner material?		<input checked="" type="checkbox"/>	
b. Damaged material (holes, tears, seams)?		<input checked="" type="checkbox"/>	
c. Damage from pressure under liner (slumps, bulges, boils, whales)?		<input checked="" type="checkbox"/>	
4. Signs of embankment damage?			
a. Due to burrowing animals?		<input checked="" type="checkbox"/>	
b. Presence of trees or woody vegetation? <u>2 trees</u>	<input checked="" type="checkbox"/>		
c. Presence of large weeds?		<input checked="" type="checkbox"/>	
d. Evidence of overtopping of embankment?		<input checked="" type="checkbox"/>	
e. Evidence of soil erosion or gully on embankment?		<input checked="" type="checkbox"/>	
f. Evidence of cracks in embankment soils?		<input checked="" type="checkbox"/>	
g. Damp, soft, or slumping areas on berm?		<input checked="" type="checkbox"/>	
h. Seepage near bottom of berm slope?		<input checked="" type="checkbox"/>	
i. Seepage around pipes thru berm?		<input checked="" type="checkbox"/>	

AGID: «AgID» FARM NAME: «Facility_Name»

LAGOON ID «Lagoon_ID» Lat: «Latitude» Long: «Longitude»

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification ¹
1. Storage capacity at overflow, or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH <i>582ft</i>		
3. Footprint - inside top - WIDTH <i>61 steps</i>		
4. Embankment - Inside SS <i>Full</i>		> 2H:1V
5. Embankment - Outside SS	<i>1/4</i>	> 2H:1V
6. Embankment - Top Width	<i>12</i>	
7. Embankment - Maximum Fill Height	<i>5'</i>	
8. Maximum Excavation Depth	<i>10'</i>	
9. Total POND Depth	<i>15'</i>	
10. Liner type or soil amendment condition	<i>pipe - good</i>	
11. Inlet type location and condition	<i>good</i>	
12. Outlet ramp condition	<i>good</i>	
13. Pump/agitation site condition	<i>good</i>	

COMMENTS:

DOES IT APPEAR THAT THE WSP WAS DESIGNED BY NRCS OR MET THE NRCS DESIGN CRITERIA IN PLACE AT THE TIME IT WAS INSTALLED OR LAST MODIFIED?

_____ YES _____ NO



A. Site inventory

LANDOWNER: _____

OPERATOR: BRAD KRUSE

AGID: **4686** FARM NAME: KRUSE FAMILY LP 11-1

LAGOON ID: 4886-1 Lat: _____ Long: _____

Phones: (425) 761-7546 Cell: (360) 825-3355

FARM ADDRESS: 42922 SE 284TH AVENUE ENUMCLAW WA 98022

REVIEW INVENTORY DATE: 10/15/2012

MANURE/ EFFLUENT LEVEL: 100 %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 0 FT.

Completed by: DIRK MEUSWIK Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)

DATE: 10/15/2012

WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: _____

CARA November

Weather: Overcast

Temperature: 55

Soil surface: dry, moist, wet, saturated, standing water, frozen, snow covered

100% with solids, weeds/grass
Brad will empty 10/16
Pull lines etc
Tractor out
Agg for bed beaming
New boxes

Complete inventory questions appropriate to structure, *if no embankment, as in a pit pond, show NA.*

EARTHEN STRUCTURAL REVIEW			
If any boxes checked “YES” ; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?			
b. In vicinity of waste inlet structure?			
c. Due to erosion from rainfall?			
d. Near agitation equipment access points?			
2. Pond was constructed <u>with</u> a liner?			
a. Erosion of liner material?			
b. Damaged material (holes, tears, seams)?			
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
3. Signs of embankment damage?			
a. Due to burrowing animals?			
b. Presence of trees or woody vegetation?	X		
c. Presence of large weeds?	X		
d. Evidence of overtopping of embankment?			
e. Evidence of soil erosion or gully on embankment?			
f. Evidence of cracks in embankment soils?			
g. Damp, soft, or slumping areas on berm?			
h. Seepage near bottom of berm slope?		X	
i. Seepage around pipes thru berm?	X		

COMMENTS:

AGID: 4686

FARM NAME: KRUSE FAMILY LP

LAGOON ID: 4886-1

Lat:

Long:

OPERATION AND MAINTENANCE

If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in **REPORT** section

SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?			
a. Is liquid level marker visible?		X	
b. Is storage capacity available for freeboard when pond is full?			
2. Are manure pump and transfer pipes functioning?			
3. Are recycling pumps and transfer pipes functioning?			
4. Is pond overflow pipe/structure clear and unobstructed?			
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			
6. All roof water or clean runoff is diverted from storage?			
7. Diversions/waterways maintained?			
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?		X	
9. Waste storage pond access fenced and properly marked?	X		
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?	X		
11. Solids managed to <u>prevent</u> plants growing on crust?		X	
12. Anaerobic lagoon is purple/pink?		X	
13. Actively bubbling?		X	
14. Inlet pipes submerged?			
15. Downwind odor from WSP is: <input type="checkbox"/> Strong <input type="checkbox"/> Unbearable			

COMMENTS:

LAGOON ID: 4886-1

Lat:

Long:

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH		
4. Footprint - inside top - WIDTH		
5. Embankment - Inside SS 7 3		> 2H:1V
6. Embankment - Outside SS		> 2H:1V
7. Embankment - Top Width		
8. Embankment - Maximum Fill Height	<i>varies</i>	
9. Maximum Excavation Depth		
10. Total POND Depth		
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA		
12. Inlet type and location: Pipe, Flume, Scrape/slab, Overflow 'T', Other		
13. Outlet ramp slope and condition: none, earthen, gravel, concrete, other		
14. Pump/agitation site condition	<i>Bad</i>	
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: Farm Building, Homes, Roads, Water Coursed		
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		
18. Distance to nearest home/dwelling		
19. Distance to nearest water course		

COMMENTS:

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

(2) Description of structural modification: _____

(3) Describe impact of modification on structural integrity: _____

(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

AGID: 4686

FARM NAME: **KRUSE FAMILY LP**

Notes, drawings etc

Skagit.

DATE 10-26-11 STAFF **CM** FAC. SITE KEY **4235222** STATUS **Active**

FARM NAME **L B VEEN HOLSTEINS LLC** AG ID **9912**

FARM ADDRESS **21994 Prairie Road near Sedro Woolley**

FARM CONTACT _____

FARM CONTACT MAILING ADDRESS _____

OF LAGOONS MANAGED UNDER NMP **2** THIS LAGOON ID **9912-1**

LONGITUDE **-122.30162** LATITUDE **48.55538**

WSP IS TODAY NEARLY FULL NEARLY EMPTY PICTURES TAKEN

TODAY LIQUID LEVEL IS 6 FEET BELOW TOP OF EMBANKMENT OR SPILLWAY ELEVATION

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in COMMENTS section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?		✓	
b. In vicinity of waste inlet structure?		✓	
c. Due to erosion from rainfall?		✓	
d. Near agitation equipment access points?		✓	
2. Pond was constructed <u>without</u> a liner?			
3. Circle liner type or NA: <input type="checkbox"/> Compacted Clay <input checked="" type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input checked="" type="checkbox"/> NA			
a. Erosion of liner material?			
b. Damaged material (holes, tears, seams)?		✓	
c. Damage from pressure under liner (slumps, bulges, boils, whales)?		✓	
4. Signs of embankment damage?			
a. Due to burrowing animals?		✓	
b. Presence of trees or woody vegetation?		✓	
c. Presence of large weeds?		✓	
d. Evidence of overtopping of embankment?		✓	
e. Evidence of soil erosion or gully on embankment?		✓	
f. Evidence of cracks in embankment soils?		✓	
g. Damp, soft, or slumping areas on berm?		✓	
h. Seepage near bottom of berm slope?		✓	
i. Seepage around pipes thru berm?		✓	

A. Site inventory

LANDOWNER: Prairie

OPERATOR: LARRY VANDER VEEN

AGID: **9912** FARM NAME: L B VEEN HOLSTEINS LLC

LAGOON ID: 9912-1

Lat: 48.582858

Long: -122.26998

Phones: (360) 856-2617

Cell: (360) 601-7221

FARM ADDRESS: 21994 PRAIRIE ROAD SEDRO WOOLLEY WA 98284

REVIEW INVENTORY DATE: 10/24/2012

MANURE/ EFFLUENT LEVEL: 20 %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 6 FT.

Completed by: Dirk M Agency DNMP/WSDA



CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)

DATE: _____

WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: 10/24/2012

Weather: Overcast

Temperature: 48

Soil surface: dry, moist, wet, saturated, standing water, frozen, snow covered

AGID: 9912

FARM NAME: L B VEEN HOLSTEINS LLC

LAGOON ID: 9912-1

Lat:

Long:

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW

If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in **REPORT** section.

SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?		X	
a. Due to wave action?		X	
b. In vicinity of waste inlet structure?		X	
c. Due to erosion from rainfall?		X	
d. Near agitation equipment access points?		X	
2. Pond was constructed <u>with</u> a liner?			
a. Erosion of liner material?			X
b. Damaged material (holes, tears, seams)?			X
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			X
3. Signs of embankment damage?			
a. Due to burrowing animals?		X	
b. Presence of trees or woody vegetation?	X		
c. Presence of large weeds?		X	
d. Evidence of overtopping of embankment?		X	
e. Evidence of soil erosion or gully on embankment?		X	
f. Evidence of cracks in embankment soils?		X	
g. Damp, soft, or slumping areas on berm?		X	
h. Seepage near bottom of berm slope?		X	
i. Seepage around pipes thru berm?		X	

COMMENTS:

3 b S.W. MIBWA

OPERATION AND MAINTENANCE			
If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in REPORT section			
SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?			
a. Is liquid level marker visible?		X	
b. Is storage capacity available for freeboard when pond is full?		X	
2. Are manure pump and transfer pipes functioning?	X		
3. Are recycling pumps and transfer pipes functioning?	X		
4. Is pond overflow pipe/structure clear and unobstructed?	X		
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			
6. All roof water or clean runoff is diverted from storage?	X		
7. Diversions/waterways maintained?			
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?	X		
9. Waste storage pond access fenced and properly marked?		X	
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?	X		
11. Solids managed to <u>prevent</u> plants growing on crust?	X		
12. Anaerobic lagoon is purple/pink?		X	
13. Actively bubbling?	X		
14. Inlet pipes submerged?	X		
15. Downwind odor from WSP is:	<input checked="" type="checkbox"/> Strong <input type="checkbox"/> Unbearable		

COMMENTS:

LAGOON ID: 9912-1

Lat:

Long:

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH		
4. Footprint - inside top - WIDTH		
5. Embankment - Inside SS	2:1	> 2H:1V
6. Embankment - Outside SS	> 2:1	> 2H:1V
7. Embankment – Top Width	12	
8. Embankment – Maximum Fill Height	14	
9. Maximum Excavation Depth	0	
10. Total POND Depth	14	
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA		
12. Inlet type and location: Pipe, Flume, Scrape/slab, Overflow 'T', Other		
13. Outlet ramp slope and condition: none, earthen, gravel, concrete, other		
14. Pump/agitation site condition		
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: Farm Building, Homes, Roads, Water Coursed		
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		
18. Distance to nearest home/dwelling		
19. Distance to nearest water course		

COMMENTS:

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

(2) Description of structural modification: _____

(3) Describe impact of modification on structural integrity: _____

(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

AGID: 9912

FARM NAME: L B VEEN HOLSTEINS LLC

Notes, drawings etc

DATE 10/20/11 STAFF **CM** FAC. SITE KEY **4235222** STATUS **Active**

FARM NAME **L B VEEN HOLSTEINS LLC** AG ID **9912**

FARM ADDRESS **21994 Prairie Road near Sedro Woolley**

FARM CONTACT _____

FARM CONTACT MAILING ADDRESS _____

OF LAGOONS MANAGED UNDER NMP **2** THIS LAGOON ID **9912-2**

LONGITUDE **-122.30162** LATITUDE **48.55538**

WSP IS TODAY NEARLY FULL NEARLY EMPTY PICTURES TAKEN

TODAY LIQUID LEVEL IS 9 FEET BELOW TOP OF EMBANKMENT OR SPILLWAY ELEVATION

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in COMMENTS section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?		✓	
b. In vicinity of waste inlet structure?		✓	
c. Due to erosion from rainfall?		✓	
d. Near agitation equipment access points?		✓	
2. Pond was constructed <u>without</u> a liner?			
3. Circle liner type or NA: <input type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input checked="" type="checkbox"/> NA			
a. Erosion of liner material?		✓	
b. Damaged material (holes, tears, seams)?		✓	
c. Damage from pressure under liner (slumps, bulges, boils, whales)?		✓	
4. Signs of embankment damage?			
a. Due to burrowing animals?		✓	
b. Presence of trees or woody vegetation?		✓	
c. Presence of large weeds?		✓	
d. Evidence of overtopping of embankment?		✓	
e. Evidence of soil erosion or gully on embankment?		✓	
f. Evidence of cracks in embankment soils?		✓	
g. Damp, soft, or slumping areas on berm?		✓	
h. Seepage near bottom of berm slope?		✓	
i. Seepage around pipes thru berm?		✓	

LB Van
9912 Capacity

Gravity 1-2

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

LANDOWNER/FARM NAME: 9912-1 & 9912-2
 WASTE STORAGE POND SITE LEGAL LOCATION: Sec West T 2 R 2
 ORIGINAL WASTE STORAGE POND DESIGNER: West DATE: 2009 NRCS
 DATE ORIGINAL WASTE STORAGE POND COMPLETED: NRCS 2009
 REQUIRED - FREEBOARD FOR STORM VOLUME or DEPTH*: 1 GAL or FT 1

*Depth as listed in design data to store runoff from a 25-YR/24-HR storm event, (WA 25-YR 24-HR Isopluvial map online at: <http://www.wrcc.dri.edu/pcpnfreq/wa25y24h.gif>)

Or depth of storage below top of embankment or spillway crest elevation in feet.

DEPTH TO SEASONAL HIGH GROUND WATER TABLE (SHGWT) BELOW (original or best estimate from inventory) NATURAL GROUND Built NRCS 2009-2010

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification ¹
1. Storage capacity at overflow, or crest elevation if no spillway.	<u>10 x 1</u>	Less than 10 acre-feet for <u>10</u> but dam safety permitted ponds
2. Footprint - inside top - LENGTH	<u>67 @ 30"</u>	<u>74 @ 30"</u>
3. Footprint - inside top - WIDTH	<u>56</u>	<u>72 @ 30"</u>
4. Embankment - Inside SS	<u>1:1.45</u>	<u>1:2</u> <u>2H:1V</u>
5. Embankment - Outside SS	<u>1:1.45</u>	<u>1:2</u> <u>2H:1V</u>
6. Embankment - Top Width	<u>5 @ 30"</u>	<u>4 @ 30"</u>
7. Embankment - Maximum Fill Height	<u>10 ft</u>	<u>6 ft</u>
8. Maximum Excavation Depth	<u>2.2m</u>	<u>2.4m</u>
9. Total POND Depth	<u>12</u>	<u>12</u>
10. Liner type or soil amendment condition	<u>None?</u>	<u>Bank Clay</u>
11. Inlet type location and condition	<u>GPS locations</u>	<u>gravity</u>
12. Outlet ramp condition	<u>NA</u>	<u>NA</u>
13. Pump/agitation site condition	<u>Good</u>	<u>NA</u> <u>Good</u>

Animal access to 10 Bank

¹ Appendix 2: Lists the relevant NRCS practice standard design criteria by date of adoption for current and archived NRCS practice standards used for Waste Storage Pond design and construction in Washington State.

Depth to water included freeboard

1 ft

8 ft

C. Does it appear that the WSP been structurally modified?

____ YES ~~____~~ NO ➤ If yes complete section below.

W/Bcl

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME: _____

WASTE STORAGE POND SITE LEGAL LOCATION: Sec _____ T _____ R _____

(1) Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(2) Date of modification construction? _____

(3) Description of structural modification: _____

(4) Describe impact of modification on structural integrity: _____

(5) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond:

Structural Review Report Completed by:

Signature _____ Date: _____

A. Site inventory

LANDOWNER: _____

OPERATOR: LARRY VANDER VEEN

AGID: **9912** FARM NAME: L B VEEN HOLSTEINS LLC

LAGOON ID: 9912-2 Lat: 48.582688 Long: -122.270945

Phones: (360) 856-2617 Cell: (360) 601-7221

FARM ADDRESS: 21994 PRAIRIE ROAD SEDRO WOOLLEY WA 98284

REVIEW INVENTORY DATE: 10/24/2012

MANURE/ EFFLUENT LEVEL: 30 %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 8 FT.

Completed by: Dick M Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)

DATE: _____

DUP

WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: 10/24/2012

Weather: cloudy

Temperature: 47

Soil surface: dry, moist, wet saturated, standing water, frozen, snow covered

AGID: 9912

FARM NAME: L B VEEN HOLSTEINS LLC

LAGOON ID: 9912-2

Lat:

Long:

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW

If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in **REPORT** section.

SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?		X	
b. In vicinity of waste inlet structure?		X	
c. Due to erosion from rainfall?		X	
d. Near agitation equipment access points?		X	
2. Pond was constructed <u>with</u> a liner?			
a. Erosion of liner material?			
b. Damaged material (holes, tears, seams)?			
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
3. Signs of embankment damage?			
a. Due to burrowing animals?		X	
b. Presence of trees or woody vegetation?		X	
c. Presence of large weeds?		X	
d. Evidence of overtopping of embankment?		X	
e. Evidence of soil erosion or gully on embankment?		X	
f. Evidence of cracks in embankment soils?		X	
g. Damp, soft, or slumping areas on berm?		X	
h. Seepage near bottom of berm slope?		X	
i. Seepage around pipes thru berm?		X	

COMMENTS:

AGID: 9912

FARM NAME: L B VEEN HOLSTEINS LLC

LAGOON ID: 9912-2

Lat:

Long:

OPERATION AND MAINTENANCE

If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in **REPORT** section

SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?		<input checked="" type="checkbox"/>	
a. Is liquid level marker visible?		<input checked="" type="checkbox"/>	
b. Is storage capacity available for freeboard when pond is full?		<input checked="" type="checkbox"/>	
2. Are manure pump and transfer pipes functioning?	<input checked="" type="checkbox"/>		
3. Are recycling pumps and transfer pipes functioning?	<input checked="" type="checkbox"/>		
4. Is pond overflow pipe/structure clear and unobstructed?	<input checked="" type="checkbox"/>		
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			<input type="checkbox"/>
6. All roof water or clean runoff is diverted from storage?			<input type="checkbox"/>
7. Diversions/waterways maintained?			<input type="checkbox"/>
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?	<input checked="" type="checkbox"/>		
9. Waste storage pond access fenced and properly marked?	<input checked="" type="checkbox"/>		
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?		<input checked="" type="checkbox"/>	
11. Solids managed to <u>prevent</u> plants growing on crust?	<input checked="" type="checkbox"/>		
12. Anaerobic lagoon is purple/pink?		<input checked="" type="checkbox"/>	
13. Actively bubbling?	<input checked="" type="checkbox"/>		
14. Inlet pipes submerged?		<input checked="" type="checkbox"/>	
15. Downwind odor from WSP is: <input type="checkbox"/> Strong <input type="checkbox"/> Unbearable			

COMMENTS:

LAGOON ID: 9912-2

Lat:

Long:

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH		
4. Footprint - inside top - WIDTH		
5. Embankment - Inside SS	73%	> 2H:1V
6. Embankment - Outside SS	73%	> 2H:1V
7. Embankment - Top Width	8	
8. Embankment - Maximum Fill Height	8	
9. Maximum Excavation Depth	14	
10. Total POND Depth	14	
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA		
12. Inlet type and location: Pipe, Flume, Scrape/slab, Overflow 'T', Other		
13. Outlet ramp slope and condition: none, earthen, gravel, concrete, other		
14. Pump/agitation site condition		
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: Farm Building, Homes, Roads, Water Coursed		
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		
18. Distance to nearest home/dwelling		
19. Distance to nearest water course		

COMMENTS:

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO ➔ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

(2) Description of structural modification: _____

(3) Describe impact of modification on structural integrity: _____

(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

AGID: 9912

FARM NAME: L B VEEN HOLSTEINS LLC

Notes, drawings etc

A. Site inventory

LANDOWNER: LARRY VANDER VEEN

AGID: 9912 FARM NAME: L B VEEN HOLSTEINS LLC

LAGOON ID 9912-1 Lat: 48.55538 Long: -122.30162

Telephone Cell Work

FARM ADDRESS: 21994 PRAIRIE ROAD, SEDRO WOOLLEY

REVIEW INVENTORY DATE: 6-12-12

MANURE/ EFFLUENT LEVEL: 90 %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 2 FT.

Completed by: Carm Mlk Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)

DATE: _____

WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: _____

3/20/12

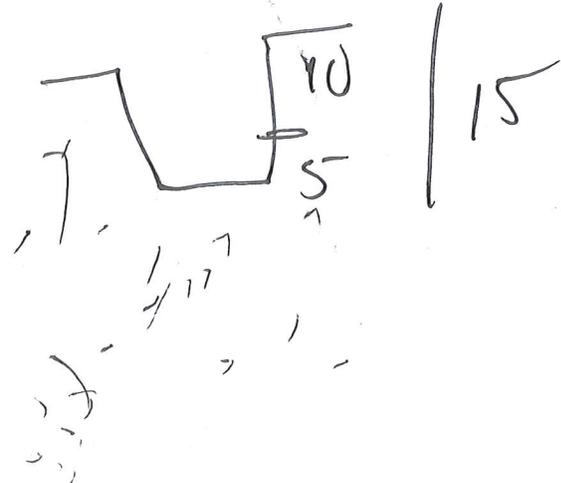
~~515 FT~~
Samsk
River

#1 NRCS 80's
More than 20 yrs



#2

NRCS 2/10
Clay bank



AGID: **9912** FARM NAME: **L B VEEN HOLSTEINS LLC**

LAGOON ID **9912-1** Lat: 48.55538 Long: -122.30162

Complete inventory questions appropriate to structure, *if no embankment, as in a pit pond, show NA.*

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?		<input checked="" type="checkbox"/>	
a. Due to wave action?		<input checked="" type="checkbox"/>	
b. In vicinity of waste inlet structure?		<input checked="" type="checkbox"/>	
c. Due to erosion from rainfall?		<input checked="" type="checkbox"/>	
d. Near agitation equipment access points?		<input checked="" type="checkbox"/>	
2. Pond was constructed <u>without</u> a liner? ?			
3. Circle liner type or NA: <input type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA			
a. Erosion of liner material? Full			
b. Damaged material (holes, tears, seams)?		<input checked="" type="checkbox"/>	
c. Damage from pressure under liner (slumps, bulges, boils, whales)?		<input checked="" type="checkbox"/>	
4. Signs of embankment damage?		<input checked="" type="checkbox"/>	
a. Due to burrowing animals?		<input checked="" type="checkbox"/>	
b. Presence of trees or woody vegetation?		<input checked="" type="checkbox"/>	
c. Presence of large weeds?		<input checked="" type="checkbox"/>	
d. Evidence of overtopping of embankment?		<input checked="" type="checkbox"/>	
e. Evidence of soil erosion or gully on embankment?		<input checked="" type="checkbox"/>	
f. Evidence of cracks in embankment soils?		<input checked="" type="checkbox"/>	
g. Damp, soft, or slumping areas on berm?		<input checked="" type="checkbox"/>	
h. Seepage near bottom of berm slope?		<input checked="" type="checkbox"/>	
i. Seepage around pipes thru berm?		<input checked="" type="checkbox"/>	

COMMENTS:

AGID: 9912 FARM NAME: L B VEEN HOLSTEINS LLC

LAGOON ID 9912-1 Lat: 48.55538 Long: -122.30162

OPERATION AND MAINTENANCE					
If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in REPORT section					
SITE INVENTORY QUESTION	YES	NO	NA		
1. Is there a permanent liquid level marker available to measure depth of pond?		✓			
a. Is liquid level marker visible?		✓			
b. Is storage capacity available for freeboard when pond is full?	✓				
2. Are manure pump and transfer pipes functioning?	✓				
3. Are recycling pumps and transfer pipes functioning?	✓				
4. Is pond overflow pipe/structure clear and unobstructed?	✓				
CLEAN WATER DIVERSION					
5. Perimeter drains plugged or blocked?		✓			
6. All roof water or clean runoff is diverted from storage?		✓			
7. Diversions/waterways maintained?		✓			
VISUAL APPEARANCE AND SAFETY					
8. Site neat and recently mowed?	✓				
9. Waste storage pond access fenced and properly marked?		✓			
O & M ITEMS FOR ODOR AND AIR QUALITY					
10. Crust of solids on lagoon?		✓			
11. Solids managed to <u>prevent</u> plants growing on crust?	✓				
12. Anaerobic lagoon is purple/pink?		✓			
13. Actively bubbling?	✓				
14. Inlet pipes submerged?		✓			
15. Downwind odor from WSP is:	<input checked="" type="checkbox"/> None	<input checked="" type="checkbox"/> Faint	<input type="checkbox"/> Distinct	<input type="checkbox"/> Strong	<input type="checkbox"/> Unbearable

COMMENTS:

AGID: 9912 FARM NAME: L B VEEN HOLSTEINS LLC

LAGOON ID 9912-1 Lat: 48.55538 Long: -122.30162

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification ¹⁸
1. Storage capacity at overflow, or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH	185	
3. Footprint - inside top - WIDTH	202	
4. Embankment - Inside SS	Full	> 2H:1V
5. Embankment - Outside SS	3:2	> 2H:1V
6. Embankment – Top Width	10+	
7. Embankment – Maximum Fill Height	10	
8. Maximum Excavation Depth	5	
9. Total POND Depth	15	
10. Liner type or soil amendment condition	NA	
11. Inlet type location and condition	PVC ME	
12. Outlet ramp condition	good	
13. Pump/agitation site condition	good	

COMMENTS:

DOES IT APPEAR THAT THE WSP WAS DESIGNED BY NRCS OR MET THE NRCS DESIGN CRITERIA IN PLACE AT THE TIME IT WAS INSTALLED OR LAST MODIFIED?

_____ YES _____ NO

C. Does it appear that the WSP been structurally modified?

 YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME: LARRY VANDER VEEN

(1) Was the WSP modification designed? CIRCLE ONE: YES NO NA
If yes, list: Designer _____ Date _____

(2) Date of modification construction? _____

(3) Description of structural modification: _____

(4) Describe impact of modification on structural integrity: _____

(5) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

Notes, drawings etc

DATE _____ STAFF **CM** FAC. SITE KEY **4235222** STATUS **Active**

FARM NAME **L B VEEN HOLSTEINS LLC** AG ID **9912**

FARM ADDRESS **21994 Prairie Road near Sedro Woolley**

FARM CONTACT _____

FARM CONTACT MAILING ADDRESS _____

OF LAGOONS MANAGED UNDER NMP **2** THIS LAGOON ID **9912-1**

LONGITUDE **-122.30162** LATITUDE **48.55538**

WSP IS TODAY NEARLY FULL NEARLY EMPTY PICTURES TAKEN

TODAY LIQUID LEVEL IS _____ FEET BELOW TOP OF EMBANKMENT OR SPILLWAY ELEVATION

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in COMMENTS section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?			
b. In vicinity of waste inlet structure?			
c. Due to erosion from rainfall?			
d. Near agitation equipment access points?			
2. Pond was constructed <u>without</u> a liner?			
3. Circle liner type or NA: <input type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA			
a. Erosion of liner material?			
b. Damaged material (holes, tears, seams)?			
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
4. Signs of embankment damage?			
a. Due to burrowing animals?			
b. Presence of trees or woody vegetation?			
c. Presence of large weeds?			
d. Evidence of overtopping of embankment?			
e. Evidence of soil erosion or gully on embankment?			
f. Evidence of cracks in embankment soils?			
g. Damp, soft, or slumping areas on berm?			
h. Seepage near bottom of berm slope?			
i. Seepage around pipes thru berm?			

skabit

A. Site inventory

LANDOWNER: **LARRY VANDER VEEN**

AGID: **9912** FARM NAME: **L B VEEN HOLSTEINS LLC**

LAGOON ID **9912-2** Lat: **48.55538** Long: **-122.30162**

Telephone Cell Work

FARM ADDRESS: 21994 PRAIRIE ROAD, SEDRO WOOLLEY

REVIEW INVENTORY DATE: 3 4-12-12

MANURE/ EFFLUENT LEVEL: 90 %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 2 FT.

Completed by: _____ Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)

DATE: _____

WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: _____

735 PJ
Samsk
Rvt

AGID: 9912 FARM NAME: L B VEEN HOLSTEINS LLC

LAGOON ID 9912-2 Lat: 48.55538 Long: -122.30162

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?		✓	
a. Due to wave action?		✓	
b. In vicinity of waste inlet structure?		✓	
c. Due to erosion from rainfall?		✓	
d. Near agitation equipment access points?		✓	
2. Pond was constructed <u>without</u> a liner?		✓	
3. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA			
a. Erosion of liner material?		✓	
b. Damaged material (holes, tears, seams)?		✓	
c. Damage from pressure under liner (slumps, bulges, boils, whales)?		✓	
4. Signs of embankment damage?		✓	
a. Due to burrowing animals?		✓	
b. Presence of trees or woody vegetation?		✓	
c. Presence of large weeds?		✓	
d. Evidence of overtopping of embankment?		✓	
e. Evidence of soil erosion or gully on embankment?		✓	
f. Evidence of cracks in embankment soils?		✓	
g. Damp, soft, or slumping areas on berm?		✓	
h. Seepage near bottom of berm slope?		✓	
i. Seepage around pipes thru berm?		✓	

COMMENTS:

AGID: 9912 FARM NAME: L B VEEN HOLSTEINS LLC

LAGOON ID 9912-2 Lat: 48.55538 Long: -122.30162

OPERATION AND MAINTENANCE			
If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in REPORT section			
SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?		<input checked="" type="checkbox"/>	
a. Is liquid level marker visible?		<input checked="" type="checkbox"/>	
b. Is storage capacity available for freeboard when pond is full?	<input checked="" type="checkbox"/>		
2. Are manure pump and transfer pipes functioning?	<input checked="" type="checkbox"/>		
3. Are recycling pumps and transfer pipes functioning?	<input checked="" type="checkbox"/>		
4. Is pond overflow pipe/structure clear and unobstructed?	<input checked="" type="checkbox"/>		
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?		<input checked="" type="checkbox"/>	
6. All roof water or clean runoff is diverted from storage?	<input checked="" type="checkbox"/>		
7. Diversions/waterways maintained?	<input checked="" type="checkbox"/>		
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?	<input checked="" type="checkbox"/>		
9. Waste storage pond access fenced and properly marked?	<input checked="" type="checkbox"/>		
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?		<input checked="" type="checkbox"/>	
11. Solids managed to <u>prevent</u> plants growing on crust?	<input checked="" type="checkbox"/>		
12. Anaerobic lagoon is purple/pink?		<input checked="" type="checkbox"/>	
13. Actively bubbling?	<input checked="" type="checkbox"/>		
14. Inlet pipes submerged?	<input checked="" type="checkbox"/>		
15. Downwind odor from WSP is:	<input checked="" type="checkbox"/> None	<input checked="" type="checkbox"/> Faint	<input type="checkbox"/> Distinct <input type="checkbox"/> Strong <input type="checkbox"/> Unbearable

COMMENTS:

AGID: 9912 FARM NAME: L B VEEN HOLSTEINS LLC

LAGOON ID 9912-2 Lat: 48.55538 Long: -122.30162

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification ¹⁷
1. Storage capacity at overflow, or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH	211	
3. Footprint - inside top - WIDTH	208	
4. Embankment - Inside SS	3:2	> 2H:1V
5. Embankment - Outside SS	Full	> 2H:1V
6. Embankment - Top Width	10+	
7. Embankment - Maximum Fill Height	10	
8. Maximum Excavation Depth	5	
9. Total POND Depth	15	
10. Liner type or soil amendment condition	Clay	
11. Inlet type location and condition	middle gravelly	
12. Outlet ramp condition	good	
13. Pump/agitation site condition	good	

COMMENTS:

DOES IT APPEAR THAT THE WSP WAS DESIGNED BY NRCS OR MET THE NRCS DESIGN CRITERIA IN PLACE AT THE TIME IT WAS INSTALLED OR LAST MODIFIED?

_____ YES _____ NO *New NRCS 2010*

C. Does it appear that the WSP been structurally modified?

 YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME: LARRY VANDER VEEN

(1) Was the WSP modification designed? CIRCLE ONE: YES NO NA
If yes, list: Designer _____ Date _____

(2) Date of modification construction? _____

(3) Description of structural modification: _____

(4) Describe impact of modification on structural integrity: _____

(5) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

Notes, drawings etc

DATE _____ STAFF **CM** FAC. SITE KEY **4235222** STATUS **Active**

FARM NAME **L B VEEN HOLSTEINS LLC** AG ID **9912**

FARM ADDRESS **21994 Prairie Road near Sedro Woolley**

FARM CONTACT _____

FARM CONTACT MAILING ADDRESS _____

OF LAGOONS MANAGED UNDER NMP **2** THIS LAGOON ID **9912-2**

LONGITUDE **-122.30162** LATITUDE **48.55538**

WSP IS TODAY NEARLY FULL NEARLY EMPTY PICTURES TAKEN

TODAY LIQUID LEVEL IS _____ FEET BELOW TOP OF EMBANKMENT OR SPILLWAY ELEVATION

Complete inventory questions appropriate to structure, *if no embankment, as in a pit pond, show NA.*

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in COMMENTS section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?			
b. In vicinity of waste inlet structure?			
c. Due to erosion from rainfall?			
d. Near agitation equipment access points?			
2. Pond was constructed <u>without</u> a liner?			
3. Circle liner type or NA: <input type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input checked="" type="checkbox"/> NA			
a. Erosion of liner material?			
b. Damaged material (holes, tears, seams)?			
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
4. Signs of embankment damage?			
a. Due to burrowing animals?			
b. Presence of trees or woody vegetation?			
c. Presence of large weeds?			
d. Evidence of overtopping of embankment?			
e. Evidence of soil erosion or gully on embankment?			
f. Evidence of cracks in embankment soils?			
g. Damp, soft, or slumping areas on berm?			
h. Seepage near bottom of berm slope?			
i. Seepage around pipes thru berm?			

A. Site inventory



LANDOWNER: _____

OPERATOR: JOE LECLAIR

AGID: **2000** FARM NAME: LE CLAIR FARMS

LAGOON ID: 2000-1 Lat: _____ Long: _____

Phones: (360) 854-0191 Cell: _____

FARM ADDRESS: 14410 BEAVER LAKE ROAD MOUNT VERNON WA 98273

REVIEW INVENTORY DATE: 10/23/2012

MANURE/ EFFLUENT LEVEL: 20 %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 6 FT.

Completed by: DUKE M Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:



WSP is FULL (Typically late winter or early spring)

DATE: _____



WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: 10/23/2012

Weather: overcast

Temperature: 43

Soil surface: dry, moist, wet, saturated, standing water, frozen, snow covered

Complete inventory questions appropriate to structure, *if no embankment, as in a pit pond, show NA.*

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?		X	
a. Due to wave action?		X	
b. In vicinity of waste inlet structure?		X	
c. Due to erosion from rainfall?		X	
d. Near agitation equipment access points?		X	
2. Pond was constructed <u>with</u> a liner?			
a. Erosion of liner material?			
b. Damaged material (holes, tears, seams)?			
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
3. Signs of embankment damage?			
a. Due to burrowing animals?		X	
b. Presence of trees or woody vegetation?		X	
c. Presence of large weeds?		X	
d. Evidence of overtopping of embankment?		X	
e. Evidence of soil erosion or gully on embankment?		X	
f. Evidence of cracks in embankment soils?		X	
g. Damp, soft, or slumping areas on berm?		X	
h. Seepage near bottom of berm slope?		X	
i. Seepage around pipes thru berm?		X	

COMMENTS:

AGID: 2000

FARM NAME: LE CLAIR FARMS

LAGOON ID: 2000-1

Lat:

Long:

OPERATION AND MAINTENANCE

If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in **REPORT** section

SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?			
a. Is liquid level marker visible?		X	
b. Is storage capacity available for freeboard when pond is full?		X	
2. Are manure pump and transfer pipes functioning?	X		
3. Are recycling pumps and transfer pipes functioning?	X		
4. Is pond overflow pipe/structure clear and unobstructed?			X
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			X
6. All roof water or clean runoff is diverted from storage?	X		
7. Diversions/waterways maintained?			X
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?		X	
9. Waste storage pond access fenced and properly marked?		X	
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?	X		
11. Solids managed to <u>prevent</u> plants growing on crust?	X		
12. Anaerobic lagoon is purple/pink?		X	
13. Actively bubbling?	X		
14. Inlet pipes submerged?	X		
15. Downwind odor from WSP is: <input type="checkbox"/> Strong <input checked="" type="checkbox"/> Unbearable			

COMMENTS:

8a. newly renovated. still bare

LAGOON ID: 2000-1

Lat:

Long:

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH		
4. Footprint - inside top - WIDTH		
5. Embankment - Inside SS	3:1	> 2H:1V
6. Embankment - Outside SS	3:1	> 2H:1V
7. Embankment - Top Width	10	
8. Embankment - Maximum Fill Height	7	
9. Maximum Excavation Depth	7	
10. Total POND Depth	8	
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA		
12. Inlet type and location: Pipe, Flume, Scrape/slab, Overflow 'T', Other		
13. Outlet ramp slope and condition: <input checked="" type="radio"/> none, earthen, gravel, concrete, other		
14. Pump/agitation site condition	GOOD	
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: Farm Building, Homes, Roads, Water Coursed		
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		
18. Distance to nearest home/dwelling		
19. Distance to nearest water course		

COMMENTS:

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

(2) Description of structural modification: _____

(3) Describe impact of modification on structural integrity: _____

(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

AGID: 2000 FARM NAME: LE CLAIR FARMS

Notes, drawings etc

Skaoit

DATE 4-30-12 STAFF **CM** FAC. SITE KEY **8396488** STATUS **Active**

FARM NAME **LE CLAIR FARMS** AG ID **2000**

FARM ADDRESS **14410 Beaver Lake Road near Mount Vernon**

FARM CONTACT _____

FARM CONTACT MAILING ADDRESS _____

OF LAGOONS MANAGED UNDER NMP **1** THIS LAGOON ID **2000-1** *250 Ft. to ditch south*

LONGITUDE **-122.220821** LATITUDE **48.43314**

WSP IS TODAY NEARLY FULL NEARLY EMPTY PICTURES TAKEN

TODAY LIQUID LEVEL IS 3 FT FEET BELOW TOP OF EMBANKMENT OR SPILLWAY ELEVATION
70%

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in COMMENTS section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?		✓	
b. In vicinity of waste inlet structure?		✓	
c. Due to erosion from rainfall?		✓	
d. Near agitation equipment access points?		✓	
2. Pond was constructed <u>without</u> a liner?		✓	
3. Circle liner type or NA: <input type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input checked="" type="checkbox"/> NA			
a. Erosion of liner material?			✓
b. Damaged material (holes, tears, seams)?			✓
c. Damage from pressure under liner (slumps, bulges, boils, whales)?		✓	
4. Signs of embankment damage?			
a. Due to burrowing animals?		✓	
b. Presence of trees or woody vegetation?		✓	
c. Presence of large weeds?		✓	
d. Evidence of overtopping of embankment?		✓	
e. Evidence of soil erosion or gully on embankment?		✓	
f. Evidence of cracks in embankment soils?		✓	
g. Damp, soft, or slumping areas on berm?		✓	
h. Seepage near bottom of berm slope?		✓	
i. Seepage around pipes thru berm?		✓	

AGID: «AgID» FARM NAME: «Facility_Name»

LAGOON ID «Lagoon_ID»

Lat: «Latitude» Long: «Longitude»

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B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: 4-30-12

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification ¹
1. Storage capacity at overflow, or crest elevation if no spillway.	3 Ft Free 70%	Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH	230	
3. Footprint - inside top - WIDTH	144	
4. Embankment - Inside SS	Slop	> 2H:1V
5. Embankment - Outside SS	?	> 2H:1V
6. Embankment - Top Width	uneven	
7. Embankment - Maximum Fill Height	8	
8. Maximum Excavation Depth	NA	
9. Total POND Depth	?	
10. Liner type or soil amendment condition	NA	
11. Inlet type location and condition	E-center	
12. Outlet ramp condition	good	
13. Pump/agitation site condition	good	

COMMENTS:

Tall grass could not get a good look at the bank grass.

DOES IT APPEAR THAT THE WSP WAS DESIGNED BY NRCS OR MET THE NRCS DESIGN CRITERIA IN PLACE AT THE TIME IT WAS INSTALLED OR LAST MODIFIED?

____ YES ____ NO

before bought place in 2000



10-30-12

A. Site inventory

LANDOWNER: **DENNIS D LENSSEN**

AGID: **4607** FARM NAME: **LENACRES DAIRY**

LAGOON ID **4607-1** Lat: **48.97476** Long: **-122.42438**

Telephone Cell **0** Work **360354-2078**

FARM ADDRESS: 9179 BLOOM ROAD, LYNDEN

REVIEW INVENTORY DATE: _____

MANURE/ EFFLUENT LEVEL: 10 %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 8 FT.

Completed by: MICHAEL Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:



WSP is FULL (Typically late winter or early spring)

DATE: 4-26-2012



WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: _____

AGID: 4607 FARM NAME: LENACRES DAIRY

LAGOON ID 4607-1 Lat: 48.97476 Long: -122.42438

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?		↓	
a. Due to wave action?			
b. In vicinity of waste inlet structure?			
c. Due to erosion from rainfall?			
d. Near agitation equipment access points?			
2. Pond was constructed <u>without</u> a liner?		↓	
3. Circle liner type or NA: Compacted Clay Flexible Membrane Bentonite Amendment Other NA			
a. Erosion of liner material?		↓	
b. Damaged material (holes, tears, seams)?		↓	
c. Damage from pressure under liner (slumps, bulges, boils, whales)?		↓	
4. Signs of embankment damage?		↓	
a. Due to burrowing animals?		↓	
b. Presence of trees or woody vegetation?		↓	
c. Presence of large weeds?	X		
d. Evidence of overtopping of embankment?		↓	
e. Evidence of soil erosion or gully on embankment?		↓	
f. Evidence of cracks in embankment soils?		↓	
g. Damp, soft, or slumping areas on berm?		↓	
h. Seepage near bottom of berm slope?		↓	
i. Seepage around pipes thru berm?		↓	

COMMENTS:

BLACK BERRIES SEVERAL SITES -

AGID: 4607 FARM NAME: LENACRES DAIRY

LAGOON ID 4607-1 Lat: 48.97476 Long: -122.42438

OPERATION AND MAINTENANCE			
If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in REPORT section			
SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?		X	
a. Is liquid level marker visible?		X	
b. Is storage capacity available for freeboard when pond is full?	X		
2. Are manure pump and transfer pipes functioning?	X		
3. Are recycling pumps and transfer pipes functioning?			X
4. Is pond overflow pipe/structure clear and unobstructed?			X
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			X
6. All roof water or clean runoff is diverted from storage?	X		
7. Diversions/waterways maintained?			X
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?		X	
9. Waste storage pond access fenced and properly marked?	X		
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?	X		
11. Solids managed to <u>prevent</u> plants growing on crust?	X	X	
12. Anaerobic lagoon is purple/pink?	X		
13. Actively bubbling?	X		
14. Inlet pipes submerged?	X		
15. Downwind odor from WSP is:	None	Faint	Distinct
		Strong	Unbearable

COMMENTS:

NEARLY EMPTIED IN EARLY APRIL
 IS GROWING WEEDS ON CRUST ALONG EDGES

AGID: 4607 FARM NAME: LENACRES DAIRY

LAGOON ID 4607-1 Lat: 48.97476 Long: -122.42438

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: 1980's

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification ¹⁷³
1. Storage capacity at overflow, or crest elevation if no spillway.	1,900,000 - MAY BE w/ FREEBOARD	Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH	145 NS	
3. Footprint - inside top - WIDTH	230 EW	
4. Embankment - Inside SS	> 3:1	> 2H:1V
5. Embankment - Outside SS	> 3:1	> 2H:1V
6. Embankment - Top Width	8	
7. Embankment - Maximum Fill Height	5	
8. Maximum Excavation Depth	5	
9. Total POND Depth	10	
10. Liner type or soil amendment condition	LOOKS FINE	
11. Inlet type location and condition	PIPE BOTTOM	
12. Outlet ramp condition	AMP NONE	
13. Pump/agitation site condition	MUDM - NO BOSE MATERIAL	

COMMENTS:

DOES IT APPEAR THAT THE WSP WAS DESIGNED BY NRCS OR MET THE NRCS DESIGN CRITERIA IN PLACE AT THE TIME IT WAS INSTALLED OR LAST MODIFIED?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME: DENNIS D LENSSEN

(1) Was the WSP modification designed? CIRCLE ONE: YES NO NA
If yes, list: Designer _____ Date _____

(2) Date of modification construction? _____

(3) Description of structural modification: _____

(4) Describe impact of modification on structural integrity: _____

(5) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

Notes, drawings etc

A. Site inventory



LANDOWNER: DENNIS LENSSEN

OPERATOR: DENNIS D LENSSEN

AGID: **4607** FARM NAME: LENACRES DAIRY

LAGOON ID: 4607-1 Lat: 48.974760⁵³⁷¹ Long: -122.424380⁵⁶⁹⁴

Phones: (360) 354-2078 Cell: _____

FARM ADDRESS: 9179 BLOOM ROAD LYNDEN WA 98264

REVIEW INVENTORY DATE: 10-18-2012

MANURE/ EFFLUENT LEVEL: 10 %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 8 1/2 FT.

Completed by: M. ISENSEE Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)

DATE: _____

WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: 10-18-12

Weather: ~~RAIN~~ SHOWERS

Temperature: 50°

Soil surface: dry, moist, wet, saturated, standing water, frozen, snow covered

Complete inventory questions appropriate to structure, *if no embankment, as in a pit pond, show NA.*

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?		↓	
a. Due to wave action?		↓	
b. In vicinity of waste inlet structure?		↓	
c. Due to erosion from rainfall?		↓	
d. Near agitation equipment access points?		↓	
2. Pond was constructed <u>with</u> a liner?	CAM		
a. Erosion of liner material?		X	
b. Damaged material (holes, tears, seams)?			X
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			X
3. Signs of embankment damage?			
a. Due to burrowing animals?		X	
b. Presence of trees or woody vegetation?		X	
c. Presence of large weeds?		/	
d. Evidence of overtopping of embankment?		/	
e. Evidence of soil erosion or gully on embankment?		/	
f. Evidence of cracks in embankment soils?		/	
g. Damp, soft, or slumping areas on berm?		/	
h. Seepage near bottom of berm slope?		/	
i. Seepage around pipes thru berm?		/	

COMMENTS:

OPERATION AND MAINTENANCE			
If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in REPORT section			
SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?		/	
a. Is liquid level marker visible?			/
b. Is storage capacity available for freeboard when pond is full?			/
2. Are manure pump and transfer pipes functioning?	/		
3. Are recycling pumps and transfer pipes functioning?			/
4. Is pond overflow pipe/structure clear and unobstructed?			/
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?		/	
6. All roof water or clean runoff is diverted from storage?	/		
7. Diversions/waterways maintained?			/
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?	CRACKED		
9. Waste storage pond access fenced and properly marked?	FENCED ONLY		
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?		/	
11. Solids managed to <u>prevent</u> plants growing on crust?	/		
12. Anaerobic lagoon is purple/pink?		/	
13. Actively bubbling?	/		
14. Inlet pipes submerged?	/		
15. Downwind odor from WSP is:	<input checked="" type="checkbox"/> Strong	<input checked="" type="checkbox"/> Unbearable	

COMMENTS:

6 - SOME ROOFWATER GOES TO STORAGE WHEN RAINFALL OVERHELM'S DRY WELL

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: NRCS ^{Bill B} DATE: 7

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.	2,379,311 GROSS	Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH	240 EW	
4. Footprint - inside top - WIDTH	148 NS	
5. Embankment - Inside SS	3.5	> 2H:1V
6. Embankment - Outside SS	6	> 2H:1V
7. Embankment - Top Width	8	
8. Embankment - Maximum Fill Height	7	
9. Maximum Excavation Depth	4	
10. Total POND Depth	11	
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA		
12. Inlet type and location: <input checked="" type="checkbox"/> Pipe, <input type="checkbox"/> Flume, <input type="checkbox"/> Scrape/slab, <input type="checkbox"/> Overflow 'T', <input type="checkbox"/> Other		
13. Outlet ramp slope and condition: <input checked="" type="checkbox"/> none, <input type="checkbox"/> earthen, <input type="checkbox"/> gravel, <input type="checkbox"/> concrete, <input type="checkbox"/> other		
14. Pump/agitation site condition	NE CORNER	
15. Distance to nearest well/water depth in well in feet		320 to DOMESTIC LESS to DG WELL
16. Failure impacts: <input checked="" type="checkbox"/> Farm Building, <input checked="" type="checkbox"/> Homes, <input checked="" type="checkbox"/> Roads, <input checked="" type="checkbox"/> Water Coursed		
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		
18. Distance to nearest home/dwelling		440
19. Distance to nearest water course		625

COMMENTS:

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

(2) Description of structural modification: _____

(3) Describe impact of modification on structural integrity: _____

(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

AGID: 4607 FARM NAME: **LENACRES DAIRY**

Notes, drawings etc

✓

A. Site inventory

LANDOWNER: TROY LENSSEN

AGID: 5531 FARM NAME: LENSSEN DAIRY

LAGOON ID 5531-1 Lat: 48.982⁹³ Long: -122.370¹⁵²72

Telephone Cell 3608152578 Work 360354-4375

FARM ADDRESS: 2172 PANGBORN ROAD, LYNDEN

REVIEW INVENTORY DATE: _____

MANURE/ EFFLUENT LEVEL: 90+ %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 1 1/2 FT.

Completed by: MICHAEL Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:



WSP is FULL (Typically late winter or early spring)

DATE: 4-26-12



WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: _____



AGID: 5531 FARM NAME: LENSSEN DAIRY

LAGOON ID 5531-1 Lat: 48.98225 Long: -122.37072

Complete inventory questions appropriate to structure, *if no embankment, as in a pit pond, show NA.*

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?		<input checked="" type="checkbox"/>	
a. Due to wave action?		<input checked="" type="checkbox"/>	
b. In vicinity of waste inlet structure?		<input checked="" type="checkbox"/>	
c. Due to erosion from rainfall?		<input checked="" type="checkbox"/>	
d. Near agitation equipment access points?		<input checked="" type="checkbox"/>	
2. Pond was constructed <u>without</u> a liner?		<input checked="" type="checkbox"/>	
3. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA			
a. Erosion of liner material?		<input checked="" type="checkbox"/>	
b. Damaged material (holes, tears, seams)?		<input checked="" type="checkbox"/>	
c. Damage from pressure under liner (slumps, bulges, boils, whales)?		<input checked="" type="checkbox"/>	
4. Signs of embankment damage?			
a. Due to burrowing animals?		<input checked="" type="checkbox"/>	
b. Presence of trees or woody vegetation?		<input checked="" type="checkbox"/>	
c. Presence of large weeds?		<input checked="" type="checkbox"/>	
d. Evidence of overtopping of embankment?		<input checked="" type="checkbox"/>	
e. Evidence of soil erosion or gully on embankment?		<input checked="" type="checkbox"/>	
f. Evidence of cracks in embankment soils?		<input checked="" type="checkbox"/>	
g. Damp, soft, or slumping areas on berm?		<input checked="" type="checkbox"/>	
h. Seepage near bottom of berm slope?		<input checked="" type="checkbox"/>	
i. Seepage around pipes thru berm?		<input checked="" type="checkbox"/>	

COMMENTS:

AGID: 5531 FARM NAME: LENSSEN DAIRY

LAGOON ID 5531-1 Lat: 48.98225 Long: -122.37072

OPERATION AND MAINTENANCE			
If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in REPORT section			
SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?		X	
a. Is liquid level marker visible?		X	
b. Is storage capacity available for freeboard when pond is full?		X	
2. Are manure pump and transfer pipes functioning?	X		
3. Are recycling pumps and transfer pipes functioning?			X
4. Is pond overflow pipe/structure clear and unobstructed?			X
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			X
6. All roof water or clean runoff is diverted from storage?	X		
7. Diversions/waterways maintained?			X
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?		X	
9. Waste storage pond access fenced and properly marked?	X		
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?		X	
11. Solids managed to prevent plants growing on crust?	X		
12. Anaerobic lagoon is purple/pink?	X		
13. Actively bubbling?	X		
14. Inlet pipes submerged?	X		
15. Downwind odor from WSP is:	None	Faint	Distinct Strong Unbearable

COMMENTS:

8 SPRING GRASS

AGID: 5531 FARM NAME: LENSSEN DAIRY

LAGOON ID 5531-1 Lat: 48.98225 Long: -122.37072

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: 1988?

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification ²⁴⁶
1. Storage capacity at overflow, or crest elevation if no spillway.	1,700,000	Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH	150 NS	
3. Footprint - inside top - WIDTH	210 EW	
4. Embankment - Inside SS	?	> 2H:1V
5. Embankment - Outside SS	> 2:1	> 2H:1V
6. Embankment - Top Width	6	
7. Embankment - Maximum Fill Height	16	
8. Maximum Excavation Depth	0	
9. Total POND Depth	16	
10. Liner type or soil amendment condition	NATIVE SOIL - GOOD	
11. Inlet type location and condition	PIPE - UNDER H ₂ O	
12. Outlet ramp condition	NA	
13. Pump/agitation site condition	GOOD	

COMMENTS:

BUILT INTO HILLSIDE - W + N SIDES DIKED.

~~SEE~~ DRAWING ON BACK

DOES IT APPEAR THAT THE WSP WAS DESIGNED BY NRCS OR MET THE NRCS DESIGN CRITERIA IN PLACE AT THE TIME IT WAS INSTALLED OR LAST MODIFIED?

YES NO

C. Does it appear that the WSP been structurally modified?

 YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME: TROY LENSSEN

(1) Was the WSP modification designed? CIRCLE ONE: YES NO NA
 If yes, list: Designer _____ Date _____

(2) Date of modification construction? _____

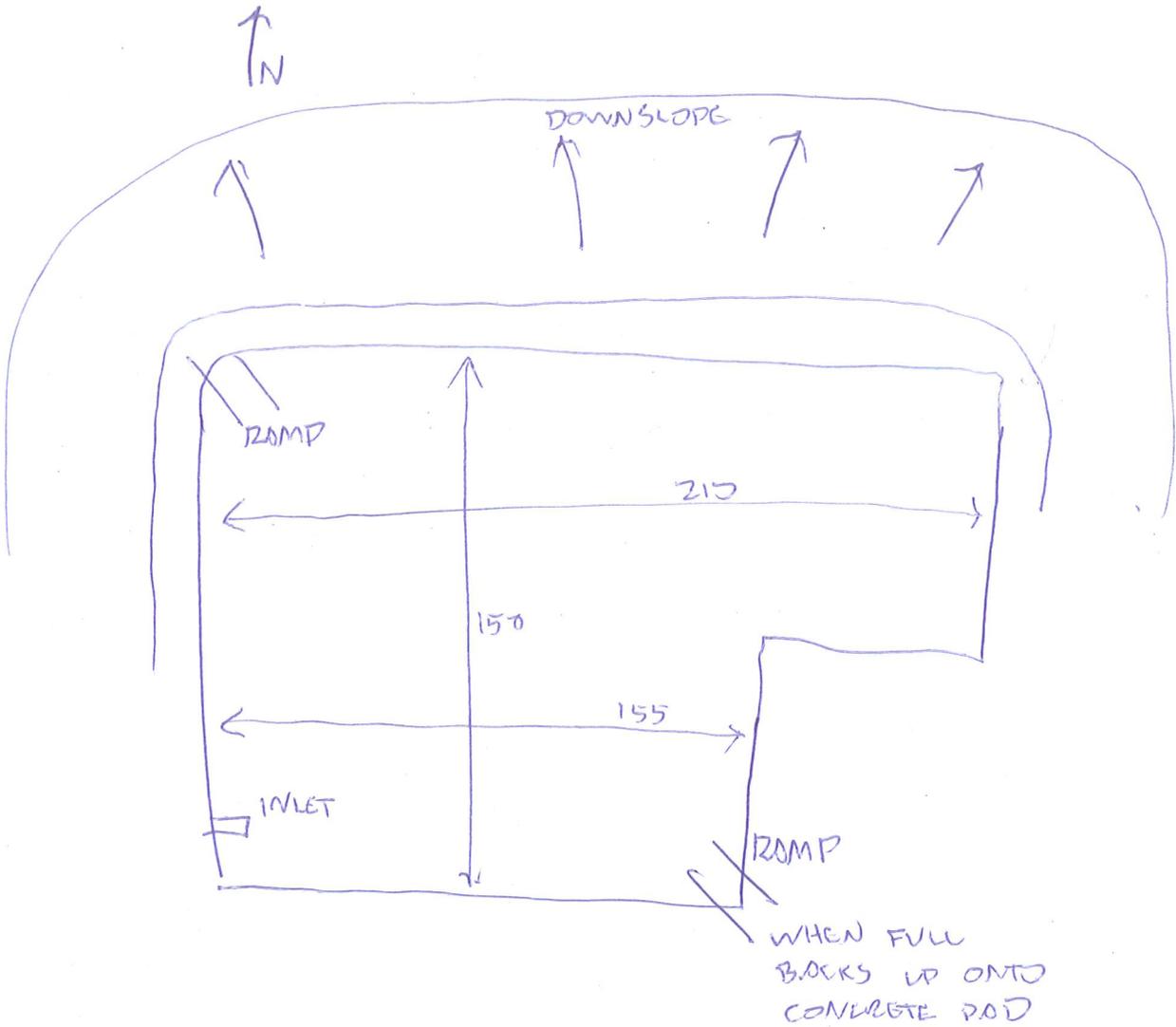
(3) Description of structural modification: _____

(4) Describe impact of modification on structural integrity: _____

(5) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

Notes, drawings etc



A. Site inventory

LANDOWNER: _____

OPERATOR: **TROY LENSSEN**

AGID: **5531** FARM NAME: **LENSEN DAIRY 2-4**

LAGOON ID: 5531-1 Lat: 48.982250 Long: -122.370720

Phones: (360) 354-4375 Cell: (360) 815-2578

FARM ADDRESS: 2172 PANGBORN ROAD LYNDEN WA 98264

REVIEW INVENTORY DATE: 9/24/2012

MANURE/ EFFLUENT LEVEL: 10 %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 8 FT.

Completed by: DIPIC MEHLBLOK Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)

DATE: _____

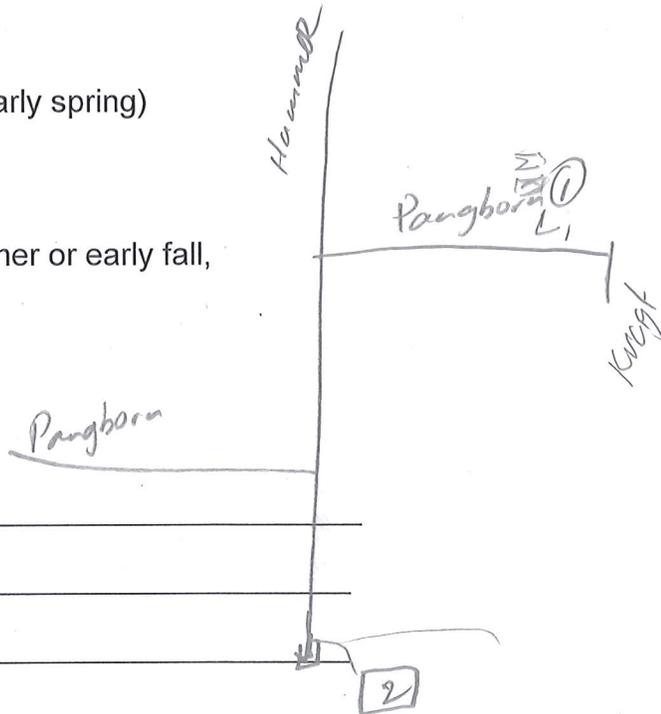
WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: 9/24/2012

Weather: Sunny

Temperature: 68

Soil surface: dry, moist, wet, saturated, standing water, frozen, snow covered



Complete inventory questions appropriate to structure, *if no embankment, as in a pit pond, show NA.*

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?		X	
a. Due to wave action?		X	
b. In vicinity of waste inlet structure?		X	
c. Due to erosion from rainfall?		X	
d. Near agitation equipment access points?		X	
2. Pond was constructed <u>with</u> a liner?			
a. Erosion of liner material?			
b. Damaged material (holes, tears, seams)?			
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
3. Signs of embankment damage?			
a. Due to burrowing animals?		X	
b. Presence of trees or woody vegetation?		X	
c. Presence of large weeds?		X	
d. Evidence of overtopping of embankment?		X	
e. Evidence of soil erosion or gully on embankment?		X	
f. Evidence of cracks in embankment soils?		X	
g. Damp, soft, or slumping areas on berm?		X	
h. Seepage near bottom of berm slope?		X	
i. Seepage around pipes thru berm?		X	

COMMENTS:

AGID: 5531

FARM NAME: LENSSEN DAIRY

LAGOON ID: 5531-1

Lat: 48.982250

Long: -122.370720

OPERATION AND MAINTENANCE

If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in **REPORT** section

SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?		X	
a. Is liquid level marker visible?		X	
b. Is storage capacity available for freeboard when pond is full?		X	
2. Are manure pump and transfer pipes functioning?	X		
3. Are recycling pumps and transfer pipes functioning?	X		
4. Is pond overflow pipe/structure clear and unobstructed?	X		
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			X
6. All roof water or clean runoff is diverted from storage?	X		
7. Diversions/waterways maintained?			X
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?	X		
9. Waste storage pond access fenced and properly marked?	X		
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?	X		
11. Solids managed to <u>prevent</u> plants growing on crust?	X		
12. Anaerobic lagoon is purple/pink?		X	
13. Actively bubbling?	X		
14. Inlet pipes submerged?	X		
15. Downwind odor from WSP is: <input checked="" type="checkbox"/> Strong <input type="checkbox"/> Unbearable			

COMMENTS:

MID N BANK Pile of dirt w/ weeds

AGID: 5531

FARM NAME: LENSSEN DAIRY

LAGOON ID: 5531-1

Lat: 48.982250

Long: -122.370720

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH		
4. Footprint - inside top - WIDTH		
5. Embankment - Inside SS	2:1	> 2H:1V
6. Embankment - Outside SS		> 2H:1V
7. Embankment – Top Width	14	
8. Embankment – Maximum Fill Height	10	
9. Maximum Excavation Depth		
10. Total POND Depth		
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA		
12. Inlet type and location: Pipe, Flume, Scrape/slab, Overflow 'T', Other		
13. Outlet ramp slope and condition: none, earthen, gravel, concrete, other		
14. Pump/agitation site condition		
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: Farm Building, Homes, Roads, Water Coursed		
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		
18. Distance to nearest home/dwelling		
19. Distance to nearest water course		

COMMENTS:

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

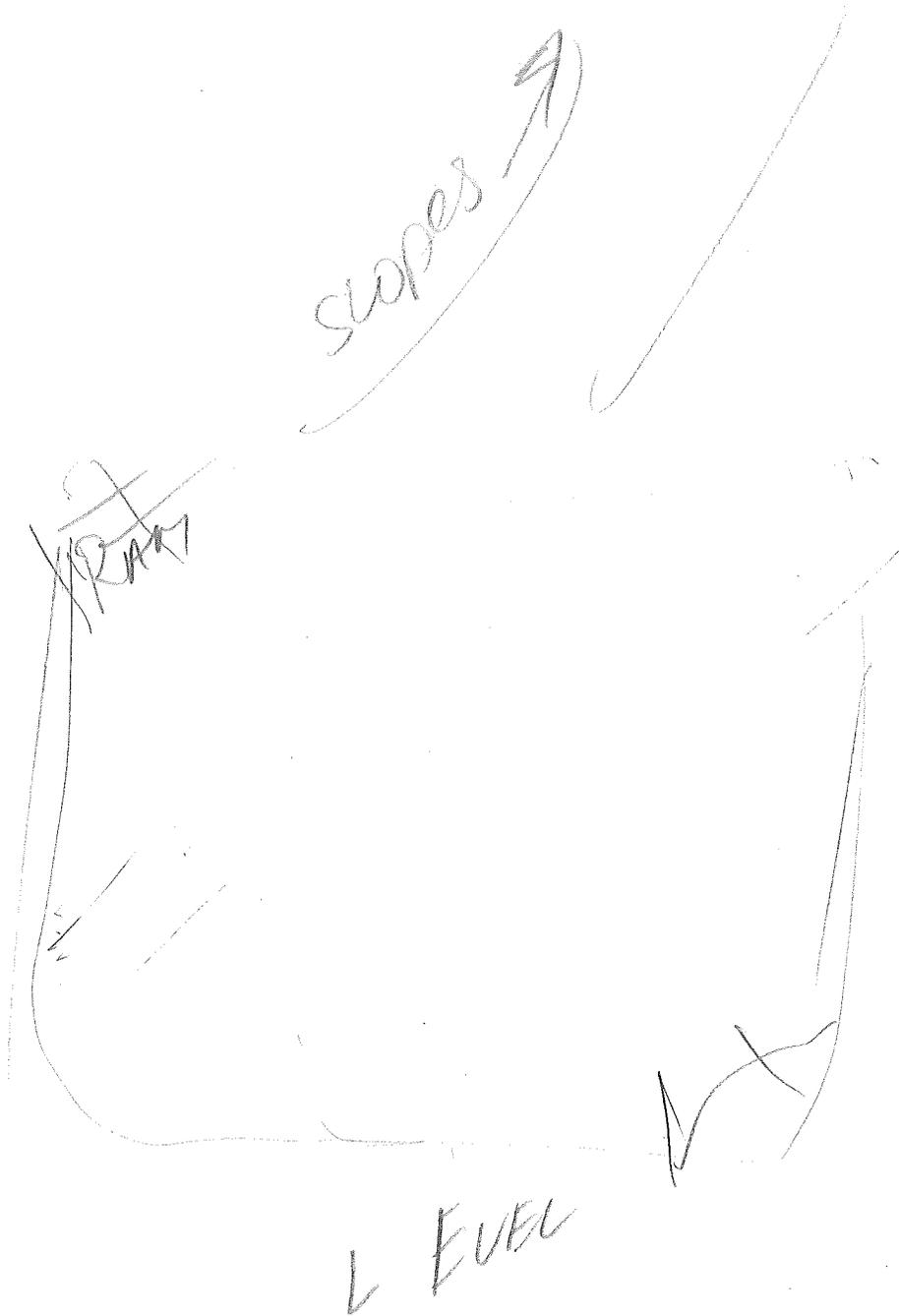
(2) Description of structural modification: _____

(3) Describe impact of modification on structural integrity: _____

(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

Notes, drawings etc





2-12-13 11 AM 4/26

A. Site inventory

LANDOWNER: TROY LENSSEN

AGID: 5531 FARM NAME: LENSSEN DAIRY

LAGOON ID 5531-2 Lat: 48.97562 Long: -122.38457

Telephone Cell 3608152578 Work 360354-4375

815-2577

FARM ADDRESS: 2172 PANGBORN ROAD, LYNDEN

REVIEW INVENTORY DATE: _____

MANURE/ EFFLUENT LEVEL: 85 %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 2 1/2 FT.

Completed by: MICHAEL Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:



WSP is FULL (Typically late winter or early spring)

DATE: 4-26-12



WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: _____

WAS USED FOR BIOSOLIDS STORAGE ~~WAS~~

CONCRETE WALL ON SOUTH

AGID: 5531 FARM NAME: LENSSEN DAIRY

LAGOON ID 5531-2 Lat: 48.97562 Long: -122.38457

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?		X	
a. Due to wave action?		X	
b. In vicinity of waste inlet structure?		X	
c. Due to erosion from rainfall?		X	
d. Near agitation equipment access points?		X	
2. Pond was constructed <u>without</u> a liner?		X	
3. Circle liner type or NA: <input type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA			
a. Erosion of liner material?		X	
b. Damaged material (holes, tears, seams)?		X	
c. Damage from pressure under liner (slumps, bulges, boils, whales)?		X	
4. Signs of embankment damage?			
a. Due to burrowing animals?		X	
b. Presence of trees or woody vegetation?		X	
c. Presence of large weeds?	X		
d. Evidence of overtopping of embankment?		X	
e. Evidence of soil erosion or gully on embankment?		X	
f. Evidence of cracks in embankment soils?		X	
g. Damp, soft, or slumping areas on berm?		X	
h. Seepage near bottom of berm slope?		X	
i. Seepage around pipes thru berm?		X	

NOT sure

COMMENTS:

AGID: 5531 FARM NAME: LENSSEN DAIRY

LAGOON ID 5531-2 Lat: 48.97562 Long: -122.38457

OPERATION AND MAINTENANCE			
If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in REPORT section			
SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?		X	
a. Is liquid level marker visible?		X	
b. Is storage capacity available for freeboard when pond is full?		X	
2. Are manure pump and transfer pipes functioning?	X		
3. Are recycling pumps and transfer pipes functioning?			X
4. Is pond overflow pipe/structure clear and unobstructed?			X
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			X
6. All roof water or clean runoff is diverted from storage?	X		
7. Diversions/waterways maintained?			X
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?		X	
9. Waste storage pond access fenced and properly marked?		X	
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?		X	
11. Solids managed to prevent plants growing on crust?	X		
12. Anaerobic lagoon is purple/pink?	X		
13. Actively bubbling?	X		
14. Inlet pipes submerged?	X		
15. Downwind odor from WSP is:	None	Faint	Distinct
			Strong
			Unbearable

COMMENTS:

None Faint Distinct Strong Unbearable

AGID: 5531 FARM NAME: LENSSEN DAIRY

LAGOON ID 5531-2 Lat: 48.97562 Long: -122.38457

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: EARLY 1990s

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification ²⁴⁵
1. Storage capacity at overflow, or crest elevation if no spillway.	1,700,000	Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH	150 NS	
3. Footprint - inside top - WIDTH	160 EW	
4. Embankment - Inside SS	< 2:1	> 2H:1V
5. Embankment - Outside SS	> 2:1	> 2H:1V
6. Embankment - Top Width	8	
7. Embankment - Maximum Fill Height	6	
8. Maximum Excavation Depth	10	
9. Total POND Depth	16	
10. Liner type or soil amendment condition	?	
11. Inlet type location and condition	GOOD	
12. Outlet ramp condition	NA	
13. Pump/agitation site condition	GOOD	

COMMENTS:

CONCRETE WALL ON SOUTH SIDE

DOES IT APPEAR THAT THE WSP WAS DESIGNED BY NRCS OR MET THE NRCS DESIGN CRITERIA IN PLACE AT THE TIME IT WAS INSTALLED OR LAST MODIFIED?

YES

NO

UNCERTAIN - WAS BUILT AS A BIOSOLIDS FACILITY

C. Does it appear that the WSP been structurally modified?

 YES X NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME: TROY LENSSEN

(1) Was the WSP modification designed? CIRCLE ONE: YES NO NA
If yes, list: Designer _____ Date _____

(2) Date of modification construction? _____

(3) Description of structural modification: _____

(4) Describe impact of modification on structural integrity: _____

(5) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

Notes, drawings etc

A. Site inventory

South End
of Hammer Rd

great
LUNCH spot
☺

LANDOWNER: _____

OPERATOR: TROY LENSSEN 2-4

AGID: 5531 FARM NAME: LENSSEN DAIRY

LAGOON ID: 5531-2 Lat: 48.975620 Long: -122.384570

Phones: (360) 354-4375 Cell: (360) 815-2578

FARM ADDRESS: 2172 PANGBORN ROAD LYNDEN WA 98264

REVIEW INVENTORY DATE: 9/24/12

MANURE/ EFFLUENT LEVEL: 10 %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 12 FT.

Completed by: DIRK MEULBOLD Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)

DATE: _____

WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: 9/24/2012

Weather: sunny

Temperature: 68

Soil surface: dry moist, wet, saturated, standing water, frozen, snow covered

AGID: 5531

FARM NAME: LENSSEN DAIRY

LAGOON ID: 5531-2

Lat: 48.975620

Long: -122.384570

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW

If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in **REPORT** section.

SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?		X	
b. In vicinity of waste inlet structure?		X	
c. Due to erosion from rainfall?		X	
d. Near agitation equipment access points?		X	
2. Pond was constructed <u>with</u> a liner?			
a. Erosion of liner material?			
b. Damaged material (holes, tears, seams)?			
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
3. Signs of embankment damage?			
a. Due to burrowing animals?		X	
b. Presence of trees or woody vegetation?		X	
c. Presence of large weeds?		X	
d. Evidence of overtopping of embankment?		X	
e. Evidence of soil erosion or gully on embankment?		X	
f. Evidence of cracks in embankment soils?		X	
g. Damp, soft, or slumping areas on berm?		X	
h. Seepage near bottom of berm slope?		X	
i. Seepage around pipes thru berm?		X	

COMMENTS:

AGID: 5531

FARM NAME: LENSSEN DAIRY

LAGOON ID: 5531-2

Lat: 48.975620

Long: -122.384570

OPERATION AND MAINTENANCE

If any boxes checked "NO"; make notes of location and identify O & M task to improve management in **REPORT** section

SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?			
a. Is liquid level marker visible?		X	
b. Is storage capacity available for freeboard when pond is full?		X	
2. Are manure pump and transfer pipes functioning?	X	X	
3. Are recycling pumps and transfer pipes functioning?	X	X	
4. Is pond overflow pipe/structure clear and unobstructed?	X		X
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			
6. All roof water or clean runoff is diverted from storage?			X
7. Diversions/waterways maintained?			X
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?	X		
9. Waste storage pond access fenced and properly marked?		X	
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?		X	
11. Solids managed to <u>prevent</u> plants growing on crust?	X		
12. Anaerobic lagoon is purple/pink?		X	
13. Actively bubbling?	X		
14. Inlet pipes submerged?	X		
15. Downwind odor from WSP is:	<input checked="" type="checkbox"/> Strong <input checked="" type="checkbox"/> Unbearable		

COMMENTS:

AGID: 5531

FARM NAME: LENSSEN DAIRY

LAGOON ID: 5531-2

Lat: 48.975620

Long: -122.384570

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH		
4. Footprint - inside top - WIDTH		
5. Embankment - Inside SS	3:1	> 2H:1V
6. Embankment - Outside SS	5:1	> 2H:1V
7. Embankment – Top Width	8	
8. Embankment – Maximum Fill Height	6	
9. Maximum Excavation Depth	8	
10. Total POND Depth	14	
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input checked="" type="checkbox"/> NA		
12. Inlet type and location: Pipe, Flume, Scrape/slab, Overflow 'T', Other		
13. Outlet ramp slope and condition: none, earthen, gravel, concrete, other		
14. Pump/agitation site condition		
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: Farm Building, Homes, Roads, Water Coursed		
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		
18. Distance to nearest home/dwelling		
19. Distance to nearest water course		

COMMENTS:

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

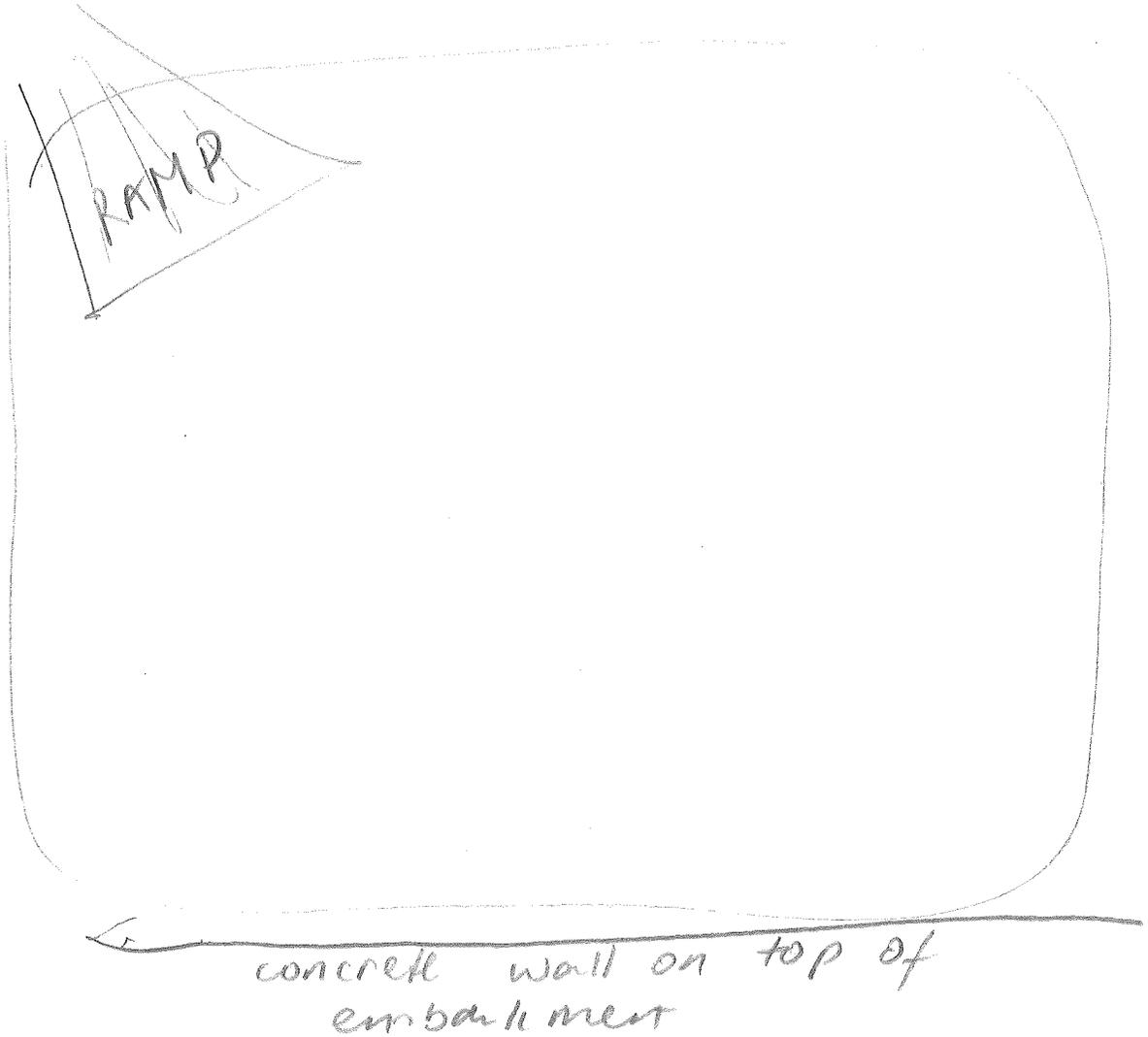
(2) Description of structural modification: _____

(3) Describe impact of modification on structural integrity: _____

(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

Notes, drawings etc



A. Site inventory

LANDOWNER: LLOYD A WINTERBERG

AGID: 9304 FARM NAME: LLOYD WINTERBERG DAIRY

LAGOON ID 9304-1 Lat: 48.91254 Long: -122.47022

Telephone Cell 0 Work 360354-4933

FARM ADDRESS: 7498 GUIDE-MERIDIAN ROAD, LYNDEN

REVIEW INVENTORY DATE: _____

MANURE/ EFFLUENT LEVEL: 100 %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 0 FT.

Completed by: MICHAEL Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:



WSP is FULL (Typically late winter or early spring)

DATE: 4-25-2012



WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: _____

BEBEE ROAD
N. of
WISER
LAKE

✓
✓
Busy
2-25-13

770,000 gallons
1.77 AT

360-354-4933

4/27/11
RI
NEEDS FOLLOW-UP
RE MANURE
NUTRIENT
RECORDS
APPLICATIONS

AGID: 9304 FARM NAME: LLOYD WINTERBERG DAIRY

LAGOON ID 9304-1 Lat: 48.91294 Long: -122.47922

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?		↓	
a. Due to wave action?			
b. In vicinity of waste inlet structure?			
c. Due to erosion from rainfall?			
d. Near agitation equipment access points?			
2. Pond was constructed <u>without</u> a liner?		↓	
3. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA			
a. Erosion of liner material?		↓	
b. Damaged material (holes, tears, seams)?			
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
4. Signs of embankment damage?		↓	
a. Due to burrowing animals?			
b. Presence of trees or woody vegetation?		↓	
c. Presence of large weeds?	X		
d. Evidence of overtopping of embankment?		↓	
e. Evidence of soil erosion or gully on embankment?			
f. Evidence of cracks in embankment soils?			
g. Damp, soft, or slumping areas on berm?			
h. Seepage near bottom of berm slope?	X		
i. Seepage around pipes thru berm?		↓	

COMMENTS:

4B BLACKBERRIES - SW CORNER

4H OPERATOR STATES THAT AREA S OF POND STAYS WET MUCH LONGER SINCE POND WAS INSTALLED

AGID: 9304 FARM NAME: LLOYD WINTERBERG DAIRY

LAGOON ID 9304-1 Lat: 48.91294 Long: -122.47922

OPERATION AND MAINTENANCE			
If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in REPORT section			
SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?			
a. Is liquid level marker visible?			
b. Is storage capacity available for freeboard when pond is full?			
2. Are manure pump and transfer pipes functioning?	X		
3. Are recycling pumps and transfer pipes functioning?			X
4. Is pond overflow pipe/structure clear and unobstructed?			X
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			X
6. All roof water or clean runoff is diverted from storage?	X		
7. Diversions/waterways maintained?			X
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?		X	
9. Waste storage pond access fenced and properly marked?		X	
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?	X		
11. Solids managed to <u>prevent</u> plants growing on crust?	X		
12. Anaerobic lagoon is purple/pink?	X		
13. Actively bubbling?	X		
14. Inlet pipes submerged?	X		
15. Downwind odor from WSP is:	<input checked="" type="checkbox"/> None <input type="checkbox"/> Faint <input type="checkbox"/> Distinct <input type="checkbox"/> Strong <input type="checkbox"/> Unbearable		

COMMENTS:

9. HAS OLD SIGN AND IS FENCED IN PORTIONS

11. SOME WEEDS

15 - POND WAS BRIM FULL, W/ 1 INCHES OF OVERTOPPING, AT TIME OF VISIT

AGID: 9304 FARM NAME: LLOYD WINTERBERG DAIRY

LAGOON ID 9304-1 Lat: 48.91294 Long: -122.47922

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: NRES DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: EST. 1995

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification ¹⁹⁹
1. Storage capacity at overflow, or crest elevation if no spillway.	800K ±	Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH	129 N-S	
3. Footprint - inside top - WIDTH	150 E-W	
4. Embankment - Inside SS	?	> 2H:1V
5. Embankment - Outside SS	> 3:1	> 2H:1V
6. Embankment - Top Width	8' +	
7. Embankment - Maximum Fill Height	8 +	
8. Maximum Excavation Depth	?	
9. Total POND Depth	?	
10. Liner type or soil amendment condition	CLAY	
11. Inlet type location and condition	GOOD - SE CORNER	
12. Outlet ramp condition	NA	
13. Pump/agitation site condition	GOOD	

COMMENTS:

ESTIMATED TO BE 11' BY OPERATOR - THOUGHT IT WAS EITHER ENTIRELY

DOES IT APPEAR THAT THE WSP WAS DESIGNED BY NRCS OR MET THE NRCS DESIGN CRITERIA IN PLACE AT THE TIME IT WAS INSTALLED OR LAST MODIFIED?

YES NO

C. Does it appear that the WSP been structurally modified?

 YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME: LLOYD A WINTERBERG

(1) Was the WSP modification designed? CIRCLE ONE: YES NO NA
If yes, list: Designer _____ Date _____

(2) Date of modification construction? _____

(3) Description of structural modification: _____

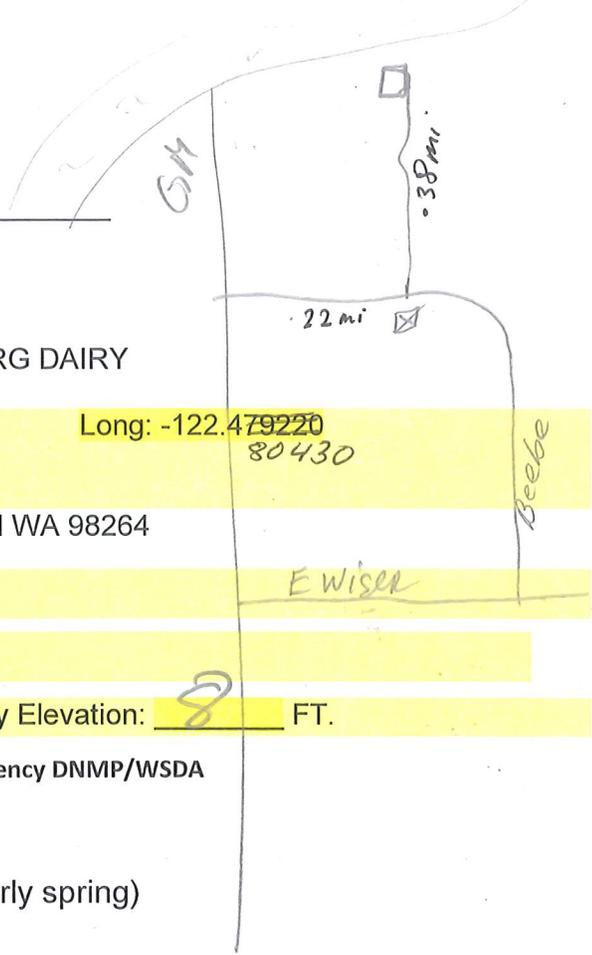
(4) Describe impact of modification on structural integrity: _____

(5) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

Notes, drawings etc

A. Site inventory



LANDOWNER: _____

OPERATOR: LLOYD A WINTERBERG 8-10

AGID: 9304 FARM NAME: LLOYD WINTERBERG DAIRY

LAGOON ID: 9304-1 Lat: 48.912940 Long: -122.479220

Phones: (360) 354-4933 Cell: 9028 80430

FARM ADDRESS: 7498 GUIDE-MERIDIAN ROAD LYNDEN WA 98264

REVIEW INVENTORY DATE: 10/11/12 E. Wisler

MANURE/ EFFLUENT LEVEL: 10 %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 8 FT.

Completed by: DIRK M Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)

DATE: _____

WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: 10/11/12

Weather: Drizzle

Temperature: 44

Soil surface: dry, moist, wet, saturated, standing water, frozen, snow covered

Lynden Farm
74
625 8-9 AM
220 0200

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?		X	
b. In vicinity of waste inlet structure?		X	
c. Due to erosion from rainfall?		X	
d. Near agitation equipment access points?		X	
2. Pond was constructed <u>with</u> a liner?			
a. Erosion of liner material?			/
b. Damaged material (holes, tears, seams)?			/
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			/
3. Signs of embankment damage?			
a. Due to burrowing animals?		X	
b. Presence of trees or woody vegetation?	X		
c. Presence of large weeds?	X		
d. Evidence of overtopping of embankment?			
e. Evidence of soil erosion or gully on embankment?		X	
f. Evidence of cracks in embankment soils?		X	
g. Damp, soft, or slumping areas on berm?		X	
h. Seepage near bottom of berm slope?		X	
i. Seepage around pipes thru berm?		X	

COMMENTS:

36' CW side, NW corner BB

OPERATION AND MAINTENANCE			
If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in REPORT section			
SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?			
a. Is liquid level marker visible?		X	
b. Is storage capacity available for freeboard when pond is full?		X	
2. Are manure pump and transfer pipes functioning?	X		
3. Are recycling pumps and transfer pipes functioning?			X
4. Is pond overflow pipe/structure clear and unobstructed?			X
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			X
6. All roof water or clean runoff is diverted from storage?			X
7. Diversions/waterways maintained?			X
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?		X	
9. Waste storage pond access fenced and properly marked?		X	
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?	X		
11. Solids managed to <u>prevent</u> plants growing on crust?		X	
12. Anaerobic lagoon is purple/pink?		X	
13. Actively bubbling?	X		
14. Inlet pipes submerged?		X	
15. Downwind odor from WSP is:	<input checked="" type="checkbox"/> Strong <input checked="" type="checkbox"/> Unbearable		

COMMENTS:

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH	140	
4. Footprint - inside top - WIDTH	180	
5. Embankment - Inside SS	72:1	> 2H:1V
6. Embankment - Outside SS	> 3:1	> 2H:1V
7. Embankment - Top Width	10	
8. Embankment - Maximum Fill Height	8	
9. Maximum Excavation Depth	4	
10. Total POND Depth	12	
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA		
12. Inlet type and location: <input checked="" type="checkbox"/> Pipe, <input type="checkbox"/> Flume, <input type="checkbox"/> Scrape/slab, <input type="checkbox"/> Overflow 'T', <input type="checkbox"/> Other		
13. Outlet ramp slope and condition: none, <input checked="" type="checkbox"/> earthen, <input type="checkbox"/> gravel, <input type="checkbox"/> concrete, <input type="checkbox"/> other		
14. Pump/agitation site condition	✓	
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: Farm Building, Homes, Roads, Water Coursed		WC
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		NO
18. Distance to nearest home/dwelling		NA
19. Distance to nearest water course		200

COMMENTS:

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

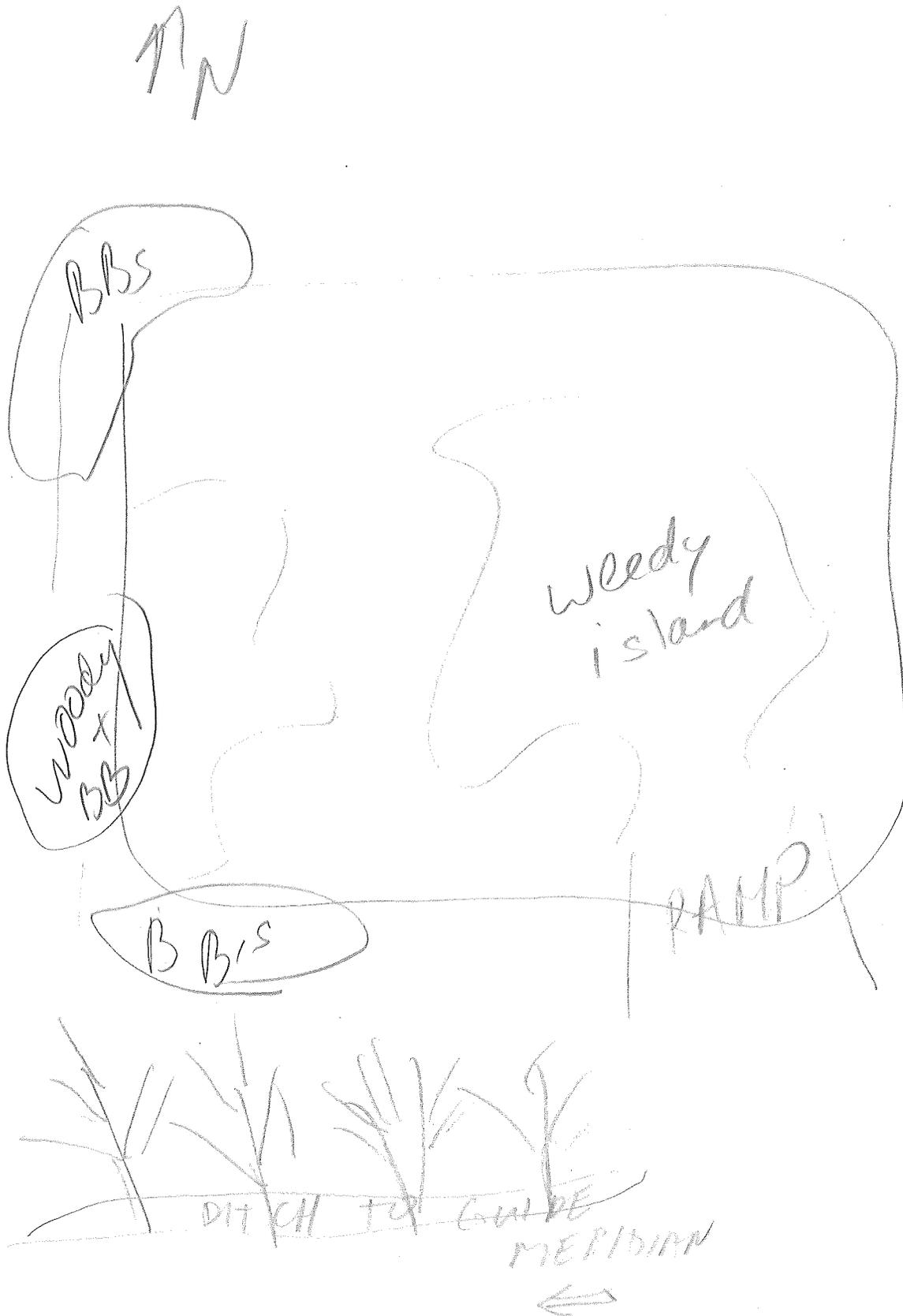
(2) Description of structural modification: _____

(3) Describe impact of modification on structural integrity: _____

(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

Notes, drawings etc



Shohomah

DATE 2-28-12 STAFF **CM** FAC. SITE KEY **2734601** STATUS **Active**

FARM NAME **LOUIS H STANGELAND FARM 2** AG ID **9804**

FARM ADDRESS **4515 Pioneer Highway near Stanwood**

FARM CONTACT _____

FARM CONTACT MAILING ADDRESS _____

OF LAGOONS MANAGED UNDER NMP **2** THIS LAGOON ID **9804-2** 2004200

LONGITUDE **-122.29424** LATITUDE **48.22924** 312032 12' submerged

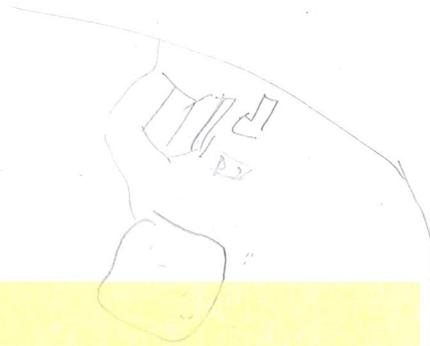
WSP IS TODAY NEARLY FULL NEARLY EMPTY PICTURES TAKEN

TODAY LIQUID LEVEL IS 4 FEET BELOW TOP OF EMBANKMENT OR SPILLWAY ELEVATION

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in COMMENTS section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?		<input checked="" type="checkbox"/>	
a. Due to wave action?		<input checked="" type="checkbox"/>	
b. In vicinity of waste inlet structure?		<input checked="" type="checkbox"/>	
c. Due to erosion from rainfall?		<input checked="" type="checkbox"/>	
d. Near agitation equipment access points?		<input checked="" type="checkbox"/>	
2. Pond was constructed <u>without</u> a liner? <u>NKCS 1985</u>	<input checked="" type="checkbox"/>		
3. Circle liner type or NA: <input type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input checked="" type="checkbox"/> NA			
a. Erosion of liner material?		<input checked="" type="checkbox"/>	
b. Damaged material (holes, tears, seams)?		<input checked="" type="checkbox"/>	
c. Damage from pressure under liner (slumps, bulges, boils, whales)?		<input checked="" type="checkbox"/>	
4. Signs of embankment damage?			
a. Due to burrowing animals?	<u>mole S</u>		
b. Presence of trees or woody vegetation?		<input checked="" type="checkbox"/>	
c. Presence of large weeds?		<input checked="" type="checkbox"/>	
d. Evidence of overtopping of embankment?		<input checked="" type="checkbox"/>	
e. Evidence of soil erosion or gully on embankment?		<input checked="" type="checkbox"/>	
f. Evidence of cracks in embankment soils?		<input checked="" type="checkbox"/>	
g. Damp, soft, or slumping areas on berm?		<input checked="" type="checkbox"/>	
h. Seepage near bottom of berm slope?		<input checked="" type="checkbox"/>	
i. Seepage around pipes thru berm?		<input checked="" type="checkbox"/>	

~~9804-1 = 4347-1~~



A. Site inventory

LANDOWNER: _____

OPERATOR:

AGID: **9804-2** FARM NAME: LOUIS H STANGELAND FARM 2

LAGOON ID: _____ Lat: _____ Long: _____

Phones: _____ Cell: _____

FARM ADDRESS: 4515 PIONEER HWY Stanwood, WA 98292

REVIEW INVENTORY DATE: 10/18/2012

MANURE/ EFFLUENT LEVEL: 30 %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 8 FT.

Completed by: Dirk M Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)

DATE: _____

WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: 10/18/2012

Weather: overcast

Temperature: 48

Soil surface: dry, moist, wet, saturated, standing water, frozen, snow covered

Complete inventory questions appropriate to structure, *if no embankment, as in a pit pond, show NA.*

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?		X	
b. In vicinity of waste inlet structure?		X	
c. Due to erosion from rainfall?		X	
d. Near agitation equipment access points?		X	
2. Pond was constructed <u>with</u> a liner?			
a. Erosion of liner material?			
b. Damaged material (holes, tears, seams)?			
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
3. Signs of embankment damage?			
a. Due to burrowing animals?		X	
b. Presence of trees or woody vegetation?		X	
c. Presence of large weeds?		X	
d. Evidence of overtopping of embankment?		X	
e. Evidence of soil erosion or gully on embankment?		X	
f. Evidence of cracks in embankment soils?		X	
g. Damp, soft, or slumping areas on berm?		X	
h. Seepage near bottom of berm slope?		X	
i. Seepage around pipes thru berm?		X	

COMMENTS:

OPERATION AND MAINTENANCE			
If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in REPORT section			
SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?			
a. Is liquid level marker visible?		X	
b. Is storage capacity available for freeboard when pond is full?			X
2. Are manure pump and transfer pipes functioning?	X		
3. Are recycling pumps and transfer pipes functioning?			
4. Is pond overflow pipe/structure clear and unobstructed?			
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			
6. All roof water or clean runoff is diverted from storage?			
7. Diversions/waterways maintained?			
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?		X	
9. Waste storage pond access fenced and properly marked?		X	
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?	X		
11. Solids managed to <u>prevent</u> plants growing on crust?	X		
12. Anaerobic lagoon is purple/pink?		X	
13. Actively bubbling?	X		
14. Inlet pipes submerged?		X	
15. Downwind odor from WSP is:	<input type="checkbox"/> Strong <input type="checkbox"/> Unbearable		

COMMENTS:

LAGOON ID: _____ Lat: _____ Long: _____

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH		
4. Footprint - inside top - WIDTH		
5. Embankment - Inside SS	2:1	> 2H:1V
6. Embankment - Outside SS	3:1	> 2H:1V
7. Embankment - Top Width	10	
8. Embankment - Maximum Fill Height	14	
9. Maximum Excavation Depth	10	
10. Total POND Depth	10	
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA		
12. Inlet type and location: Pipe, Flume, Scrape/slab, Overflow 'T', Other		
13. Outlet ramp slope and condition: none, earthen, gravel, concrete, other		
14. Pump/agitation site condition		
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: Farm Building, Homes, Roads, Water Coursed		
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		
18. Distance to nearest home/dwelling		
19. Distance to nearest water course		

COMMENTS:

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

(2) Description of structural modification: _____

(3) Describe impact of modification on structural integrity: _____

(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

AGID: 9804 FARM NAME: LOUIS H STANGELAND FARM 2

Notes, drawings etc

Skagit



DATE 4-23-12 STAFF _____ FAC. SITE KEY _____ STATUS _____

FARM NAME Stangeland #2 AG ID 9804

FARM ADDRESS: 4515 ~~St~~ Pioneer Hwy

FARM CONTACT _____

FARM CONTACT MAILING ADDRESS _____

OF LAGOONS MANAGED UNDER NMP 2 THIS LAGOON ID 2

ISO
ditch

LONGITUDE _____ LATITUDE _____

WSP IS TODAY NEARLY FULL NEARLY EMPTY PICTURES TAKEN

TODAY LIQUID LEVEL IS 2 FEET BELOW TOP OF EMBANKMENT OR SPILLWAY ELEVATION

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW

If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in COMMENTS section.

SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?			
b. In vicinity of waste inlet structure?			
c. Due to erosion from rainfall?			
d. Near agitation equipment access points?			
2. Pond was constructed <u>without</u> a liner?			
3. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA			
a. Erosion of liner material?			
b. Damaged material (holes, tears, seams)?			
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
4. Signs of embankment damage?			
a. Due to burrowing animals?			
b. Presence of trees or woody vegetation?			
c. Presence of large weeds?			
d. Evidence of overtopping of embankment?			
e. Evidence of soil erosion or gully on embankment?			
f. Evidence of cracks in embankment soils?			
g. Damp, soft, or slumping areas on berm?			
h. Seepage near bottom of berm slope?			
i. Seepage around pipes thru berm?			

AGID: «AgID» FARM NAME: «Facility_Name»

LAGOON ID «Lagoon_ID» Lat: «Latitude» Long: «Longitude»

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: 9-23-12

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification ¹
1. Storage capacity at overflow, or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH	304	
3. Footprint - inside top - WIDTH	240	
4. Embankment - Inside SS	Fill	> 2H:1V
5. Embankment - Outside SS	3:2	> 2H:1V
6. Embankment - Top Width	10ft	
7. Embankment - Maximum Fill Height	12 ft	
8. Maximum Excavation Depth	4 ft	
9. Total POND Depth	16 ft	
10. Liner type or soil amendment condition	compact	
11. Inlet type location and condition	PVC - 12 4ft below but	Need
12. Outlet ramp condition	good	
13. Pump/agitation site condition	good	

COMMENTS:

pump in good still had 1 ft free
85% full 2 ft free

DOES IT APPEAR THAT THE WSP WAS DESIGNED BY NRCS OR MET THE NRCS DESIGN CRITERIA IN PLACE AT THE TIME IT WAS INSTALLED OR LAST MODIFIED?

____ YES ____ NO

NRCS Early 00's



A. Site inventory



LANDOWNER: Krista

OPERATOR: LOUIS STANGELAND

AGID: **4347** FARM NAME: LOUIS H STANGELAND FARM 1

LAGOON ID: 4347-1

Lat: 48.229077

Long: -122.304516

Phones: (360) 629-3689

Cell:

FARM ADDRESS: 5411 PIONEER HIGHWAY STANWOOD WA 98292

REVIEW INVENTORY DATE: 10/18/2012

MANURE/ EFFLUENT LEVEL: 25 %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 10 FT.

Completed by: Derek M Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:



WSP is FULL (Typically late winter or early spring)

DATE: _____



WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: 10/18/2012

Weather: cloudy

Temperature: 47

Soil surface: (O) dry, moist, wet, saturated, standing water, frozen, snow covered

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?		X	
b. In vicinity of waste inlet structure?		X	
c. Due to erosion from rainfall?		X	
d. Near agitation equipment access points?		X	
2. Pond was constructed <u>with</u> a liner?			
a. Erosion of liner material?			
b. Damaged material (holes, tears, seams)?			
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
3. Signs of embankment damage?			
a. Due to burrowing animals?		X	
b. Presence of trees or woody vegetation?	X		
c. Presence of large weeds?		X	
d. Evidence of overtopping of embankment?		X	
e. Evidence of soil erosion or gully on embankment?		X	
f. Evidence of cracks in embankment soils?		X	
g. Damp, soft, or slumping areas on berm?		X	
h. Seepage near bottom of berm slope?		X	
i. Seepage around pipes thru berm?		X	

COMMENTS:

AGID: 4347

FARM NAME: LOUIS H STANGELAND FARM 1

LAGOON ID: 4347-1 Lat:

Long:

OPERATION AND MAINTENANCE

If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in REPORT section

SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?			
a. Is liquid level marker visible?		✓	
b. Is storage capacity available for freeboard when pond is full?		✓	
2. Are manure pump and transfer pipes functioning?	✓	✓	
3. Are recycling pumps and transfer pipes functioning?	✓	✓	
4. Is pond overflow pipe/structure clear and unobstructed?			
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			
6. All roof water or clean runoff is diverted from storage?			
7. Diversions/waterways maintained?			
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?	✓		
9. Waste storage pond access fenced and properly marked?	✓		
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?	✓		
11. Solids managed to prevent plants growing on crust?	✓		
12. Anaerobic lagoon is purple/pink?		✓	
13. Actively bubbling?	✓		
14. Inlet pipes submerged?	✓		
15. Downwind odor from WSP is:	Strong	Unbearable	

COMMENTS:

LAGOON ID: 4347-1

Lat:

Long:

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH		
4. Footprint - inside top - WIDTH		
5. Embankment - Inside SS	3:1	> 2H:1V
6. Embankment - Outside SS	4:1	> 2H:1V
7. Embankment – Top Width	10	
8. Embankment – Maximum Fill Height	16	
9. Maximum Excavation Depth	0	
10. Total POND Depth	18	
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA		
12. Inlet type and location: Pipe, <u>Flume</u> , Scrape/slab, Overflow 'T', Other		
13. Outlet ramp slope and condition: none, earthen, gravel, concrete, other		
14. Pump/agitation site condition		
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: Farm Building, Homes, Roads, Water Coursed		
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		
18. Distance to nearest home/dwelling		
19. Distance to nearest water course		

COMMENTS:

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

(2) Description of structural modification: _____

(3) Describe impact of modification on structural integrity: _____

(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

AGID: 4347

FARM NAME: LOUIS H STANGELAND FARM 1

Notes, drawings etc

DATE 2-28-12 STAFF CM FAC. SITE KEY 2734601 STATUS Active

FARM NAME LOUIS H STANGELAND FARM 2 AG ID 9804

FARM ADDRESS 4515 Pioneer Highway near Stanwood

FARM CONTACT _____

FARM CONTACT MAILING ADDRESS _____

OF LAGOONS MANAGED UNDER NMP 2 THIS LAGOON ID 9804-2

LONGITUDE -122.29424 LATITUDE 48.22924

WSP IS TODAY NEARLY FULL NEARLY EMPTY

PICTURES TAKEN

TODAY LIQUID LEVEL IS 4 FEET BELOW TOP OF EMBANKMENT OR SPILLWAY ELEVATION

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in COMMENTS section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?		<input checked="" type="checkbox"/>	
a. Due to wave action?		<input checked="" type="checkbox"/>	
b. In vicinity of waste inlet structure?		<input checked="" type="checkbox"/>	
c. Due to erosion from rainfall?		<input checked="" type="checkbox"/>	
d. Near agitation equipment access points?		<input checked="" type="checkbox"/>	
2. Pond was constructed without a liner? <u>NRCS 1985</u>	<input checked="" type="checkbox"/>		
3. Circle liner type or NA: <input type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA			
a. Erosion of liner material?		<input checked="" type="checkbox"/>	
b. Damaged material (holes, tears, seams)?		<input checked="" type="checkbox"/>	
c. Damage from pressure under liner (slumps, bulges, boils, whales)?		<input checked="" type="checkbox"/>	
4. Signs of embankment damage?			
a. Due to burrowing animals?	<u>mole S</u>		
b. Presence of trees or woody vegetation?		<input checked="" type="checkbox"/>	
c. Presence of large weeds?		<input checked="" type="checkbox"/>	
d. Evidence of overtopping of embankment?		<input checked="" type="checkbox"/>	
e. Evidence of soil erosion or gully on embankment?		<input checked="" type="checkbox"/>	
f. Evidence of cracks in embankment soils?		<input checked="" type="checkbox"/>	
g. Damp, soft, or slumping areas on berm?		<input checked="" type="checkbox"/>	
h. Seepage near bottom of berm slope?		<input checked="" type="checkbox"/>	
i. Seepage around pipes thru berm?		<input checked="" type="checkbox"/>	

#4 will not take date
#3

Data source
Shohomish (maybe duplicate)

#2

2004 200
3/2/07 12' submerged

Insp #5
Type #6

Two empties

DATE 2-28-12 STAFF **CM** FAC. SITE KEY **3821415** STATUS **Active**

FARM NAME **LOUIS H STANGELAND FARM 1** AG ID **4347**

FARM ADDRESS **5411 Pioneer Highway near Stanwood**

270x270

FARM CONTACT _____

FARM CONTACT MAILING ADDRESS _____

OF LAGOONS MANAGED UNDER NMP **1** THIS LAGOON ID **4347-1**

3.2 4.7

LONGITUDE **-122.30511** LATITUDE **48.22984**

WSP IS TODAY NEARLY FULL NEARLY EMPTY PICTURES TAKEN

TODAY LIQUID LEVEL IS 3.5 ^{FL} FEET BELOW TOP OF EMBANKMENT OR SPILLWAY ELEVATION

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA. ^{75% Full}

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in COMMENTS section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?		✓	
b. In vicinity of waste inlet structure?		✓	
c. Due to erosion from rainfall?		✓	
d. Near agitation equipment access points?		✓	
2. Pond was constructed <u>without</u> a liner? NRCS 1985		✓	
3. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input checked="" type="checkbox"/> NA			
a. Erosion of liner material?		✓	
b. Damaged material (holes, tears, seams)?		✓	
c. Damage from pressure under liner (slumps, bulges, boils, whales)?		✓	
4. Signs of embankment damage?			
a. Due to burrowing animals? marks	✓		
b. Presence of trees or woody vegetation?		✓	
c. Presence of large weeds?		✓	
d. Evidence of overtopping of embankment?		✓	
e. Evidence of soil erosion or gully on embankment?		✓	
f. Evidence of cracks in embankment soils?		✓	
g. Damp, soft, or slumping areas on berm?		✓	
h. Seepage near bottom of berm slope?		✓	
i. Seepage around pipes thru berm?		✓	



Stangit

DATE 4-23-12 STAFF _____ FAC. SITE KEY _____ STATUS _____
 FARM NAME Stangeland #1 AG ID 4347
 FARM ADDRESS: 5411 Pioneer Hwy
 FARM CONTACT _____
 FARM CONTACT MAILING ADDRESS _____
 # OF LAGOONS MANAGED UNDER NMP 2 THIS LAGOON ID 1
 LONGITUDE _____ LATITUDE _____
 WSP IS TODAY NEARLY FULL NEARLY EMPTY PICTURES TAKEN
 TODAY LIQUID LEVEL IS 2 FEET BELOW TOP OF EMBANKMENT OR SPILLWAY ELEVATION

80
 ditch
~~150 ft~~
~~ditch~~

80%
 Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in COMMENTS section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?			
b. In vicinity of waste inlet structure?			
c. Due to erosion from rainfall?			
d. Near agitation equipment access points?			
2. Pond was constructed <u>without</u> a liner?			
3. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input checked="" type="checkbox"/> Other <input checked="" type="checkbox"/> NA			
a. Erosion of liner material?			
b. Damaged material (holes, tears, seams)?			
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
4. Signs of embankment damage?			
a. Due to burrowing animals?			
b. Presence of trees or woody vegetation?			
c. Presence of large weeds?			
d. Evidence of overtopping of embankment?			
e. Evidence of soil erosion or gully on embankment?			
f. Evidence of cracks in embankment soils?			
g. Damp, soft, or slumping areas on berm?			
h. Seepage near bottom of berm slope?			
i. Seepage around pipes thru berm?			

AGID: «AgID» FARM NAME: «Facility_Name»

LAGOON ID «Lagoon_ID» Lat: «Latitude» Long: «Longitude»

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

Stangel
#1

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: 4-23-12

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification ¹
1. Storage capacity at overflow, or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH	267	900
3. Footprint - inside top - WIDTH	291	
4. Embankment - Inside SS	3:1 3:2	> 2H:1V
5. Embankment - Outside SS	3:2	> 2H:1V
6. Embankment - Top Width	10+	
7. Embankment - Maximum Fill Height	12	
8. Maximum Excavation Depth	6-7	
9. Total POND Depth	17	
10. Liner type or soil amendment condition	Compacted	
11. Inlet type location and condition	NW - 3 ft	Below bank
12. Outlet ramp condition	good	
13. Pump/agitation site condition	good	

COMMENTS:

*Full est 2 ft freeband
2090 full
3 ft freeband*

DOES IT APPEAR THAT THE WSP WAS DESIGNED BY NRCS OR MET THE NRCS DESIGN CRITERIA IN PLACE AT THE TIME IT WAS INSTALLED OR LAST MODIFIED?

YES NO *NRCS early 90s*

A. Site inventory

LANDOWNER: _____

OPERATOR: ,

AGID: T8 FARM NAME: LOWBIRD FARM/WILCOX FARMS

LAGOON ID _____ Lat: _____ Long: _____
Phones: Cell: _____ Work: _____

FARM ADDRESS: 40400 HARTS LAKE VALLEY ROAD, ROY, WA 98580

REVIEW INVENTORY DATE: 7/9/12

MANURE/ EFFLUENT LEVEL: 60 %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 3 FT.

Completed by: Dan Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)
DATE: _____

WSP is near empty (Typically late summer or early fall, depending on operation management)
DATE: _____

Weather: over cast

Temperature: _____

Soil surface: dry, moist, wet, saturated, standing water, frozen, snow covered

Chris Wilcox did NOT receive letter and was upset!
Get GPS pts off of Google earth

LAGOON ID: _____ Lat: _____ Long: _____

Complete inventory questions appropriate to structure, *if no embankment, as in a pit pond, show NA.*

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?			
b. In vicinity of waste inlet structure?			
c. Due to erosion from rainfall?			
d. Near agitation equipment access points?			
2. Pond was constructed <u>with</u> a liner?			
a. Erosion of liner material?			
b. Damaged material (holes, tears, seams)?			
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
3. Signs of embankment damage?			
a. Due to burrowing animals?			
b. Presence of trees or woody vegetation?			
c. Presence of large weeds?			
d. Evidence of overtopping of embankment?			
e. Evidence of soil erosion or gully on embankment?			
f. Evidence of cracks in embankment soils?			
g. Damp, soft, or slumping areas on berm?			
h. Seepage near bottom of berm slope?			
i. Seepage around pipes thru berm?			

COMMENTS:

LAGOON ID:

Lat:

Long:

OPERATION AND MAINTENANCE			
If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in REPORT section			
SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?			
a. Is liquid level marker visible?	✓		
b. Is storage capacity available for freeboard when pond is full?	✓		
2. Are manure pump and transfer pipes functioning?	✓		
3. Are recycling pumps and transfer pipes functioning?	✓		
4. Is pond overflow pipe/structure clear and unobstructed?	✓		
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			✓
6. All roof water or clean runoff is diverted from storage?	✓		
7. Diversions/waterways maintained?			✓
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?		✓	
9. Waste storage pond access fenced and properly marked?	✓		
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?		✓	
11. Solids managed to <u>prevent</u> plants growing on crust?	✓	⊗	
12. Anaerobic lagoon is purple/pink?	✓		
13. Actively bubbling?	✓		
14. Inlet pipes submerged?	✓		
15. Downwind odor from WSP is:	<input type="checkbox"/> Strong <input checked="" type="checkbox"/> Unbearable		

COMMENTS:

B. LAGOON ID: _____ Lat: _____ Long: _____

C. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH	500'	
4. Footprint - inside top - WIDTH	500'	
5. Embankment - Inside SS	1/4	> 2H:1V
6. Embankment - Outside SS	N/A	> 2H:1V
7. Embankment - Top Width	N/A	
8. Embankment - Maximum Fill Height	0	
9. Maximum Excavation Depth	45'	
10. Total POND Depth	45'	
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input checked="" type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA		
12. Inlet type and location: <input checked="" type="checkbox"/> Pipe <input type="checkbox"/> Flume <input type="checkbox"/> Scrape/slab <input type="checkbox"/> Overflow 'T' <input type="checkbox"/> Other		
13. Outlet ramp slope and condition: <input checked="" type="checkbox"/> none <input type="checkbox"/> earthen <input type="checkbox"/> gravel <input type="checkbox"/> concrete <input type="checkbox"/> other		
14. Pump/agitation site condition	good	
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: Farm Building, Homes, Roads, Water Coursed		None - hate
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		No
18. Distance to nearest home/dwelling		
19. Distance to nearest water course		

COMMENTS:

Chris will call next week with specs.
LM 8/6

AGID: T8 FARM NAME: LOWBIRD FARM/WILCOX FARMS

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

D. Does it appear that the WSP been structurally modified?

YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME: LOWBIRD FARM/WILCOX FARMS

(1) Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(2) Date of modification construction? _____

(3) Description of structural modification: _____

(4) Describe impact of modification on structural integrity: _____

(5) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

AGID: T8 FARM NAME: LOWBIRD FARM/WILCOX FARMS

Notes, drawings etc

E-1 10:00 ✓

✓ ✓

King

DATE 4/17/12 STAFF DM FAC. SITE KEY 1605078 STATUS Active

FARM NAME MIKE LANTING DAIRY AG ID 4687

FARM ADDRESS 45003 SE 208th Street near Enumclaw

FARM CONTACT Mike Lanting 360-825-7613

FARM CONTACT MAILING ADDRESS _____

OF LAGOONS MANAGED UNDER NMP 2 THIS LAGOON ID 4687-1

LONGITUDE -122.06308⁹⁵¹

LATITUDE 47.19702⁵⁷⁷

WSP IS TODAY NEARLY FULL NEARLY EMPTY

PICTURES TAKEN

TODAY LIQUID LEVEL IS 0 FEET BELOW TOP OF EMBANKMENT OR SPILLWAY ELEVATION

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in COMMENTS section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?			
b. In vicinity of waste inlet structure?			
c. Due to erosion from rainfall?			
d. Near agitation equipment access points?			
2. Pond was constructed <u>without</u> a liner?			
3. Circle liner type or NA: <input checked="" type="checkbox"/> <u>Compacted Clay</u> <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA			
a. Erosion of liner material?			
b. Damaged material (holes, tears, seams)?			
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
4. Signs of embankment damage?			
a. Due to burrowing animals?			
b. Presence of trees or woody vegetation?			
c. Presence of large weeds?			
d. Evidence of overtopping of embankment?			
e. Evidence of soil erosion or gully on embankment?			
f. Evidence of cracks in embankment soils?			
g. Damp, soft, or slumping areas on berm?			
h. Seepage near bottom of berm slope?			
i. Seepage around pipes thru berm?			

AGID: «AgID» FARM NAME: «Facility_Name»

LAGOON ID «Lagoon_ID» Lat: «Latitude» Long: «Longitude»

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

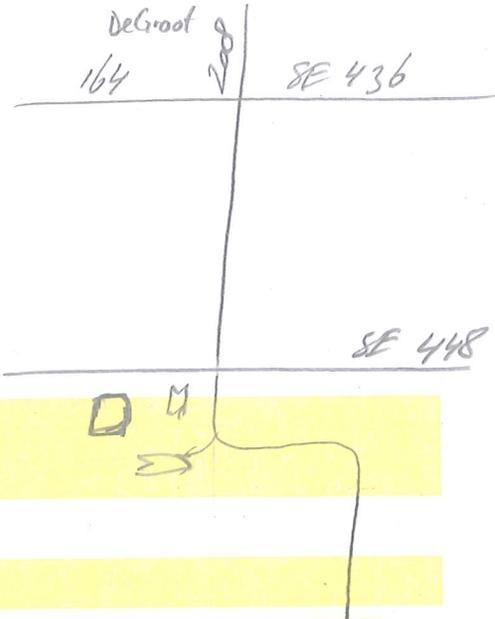
DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification ¹
1. Storage capacity at overflow, or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH <i>59.5ft</i>		
3. Footprint - inside top - WIDTH <i>66.5ft</i>		
4. Embankment - Inside SS <i>full</i>		> 2H:1V
5. Embankment - Outside SS	<i>1/5</i>	> 2H:1V
6. Embankment - Top Width	<i>20'</i>	
7. Embankment - Maximum Fill Height	<i>4'</i>	
8. Maximum Excavation Depth	<i>10'</i>	
9. Total POND Depth	<i>14'</i>	
10. Liner type or soil amendment condition	<i>clay - good</i>	
11. Inlet type location and condition	<i>good - pipe</i>	
12. Outlet ramp condition	<i>good</i>	
13. Pump/agitation site condition	<i>good</i>	

COMMENTS:

DOES IT APPEAR THAT THE WSP WAS DESIGNED BY NRCS OR MET THE NRCS DESIGN CRITERIA IN PLACE AT THE TIME IT WAS INSTALLED OR LAST MODIFIED?

_____ YES _____ NO



A. Site inventory

LANDOWNER: _____

OPERATOR: MIKE LANTING

AGID: **4687** FARM NAME: MIKE LANTING DAIRY

LAGOON ID: 4687-1 Lat: _____ Long: _____

Phones: (360) 825-7613 Cell: _____

FARM ADDRESS: 45003 SE 208TH STREET ENUMCLAW WA 98022

REVIEW INVENTORY DATE: 10/16/2012

MANURE/ EFFLUENT LEVEL: _____ %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 16 FT.

Completed by: Dylan M Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)

DATE: _____

WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: 10/16/2012

Weather: _____

Temperature: _____

Soil surface: dry, moist, wet, saturated, standing water, frozen, snow covered

AGID: 4687

FARM NAME: MIKE LANTING DAIRY

LAGOON ID: 4687-1Lat:

Long:

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW

If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in **REPORT** section.

SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?		X	
b. In vicinity of waste inlet structure?		X	
c. Due to erosion from rainfall?		X	
d. Near agitation equipment access points?		X	
2. Pond was constructed <u>with</u> a liner?			
a. Erosion of liner material?			
b. Damaged material (holes, tears, seams)?			
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
3. Signs of embankment damage?			
a. Due to burrowing animals?		X	
b. Presence of trees or woody vegetation?	X		
c. Presence of large weeds?	X	X	
d. Evidence of overtopping of embankment?		X	
e. Evidence of soil erosion or gully on embankment?		X	
f. Evidence of cracks in embankment soils?		X	
g. Damp, soft, or slumping areas on berm?		X	
h. Seepage near bottom of berm slope?		X	
i. Seepage around pipes thru berm?		X	

COMMENTS:

S B's
tree

AGID: 4687

FARM NAME: MIKE LANTING DAIRY

LAGOON ID: 4687-1Lat:

Long:

OPERATION AND MAINTENANCE

If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in **REPORT** section

SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?			
a. Is liquid level marker visible?		X	
b. Is storage capacity available for freeboard when pond is full?		X	
2. Are manure pump and transfer pipes functioning?	X		
3. Are recycling pumps and transfer pipes functioning?	X		
4. Is pond overflow pipe/structure clear and unobstructed?			X
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			
6. All roof water or clean runoff is diverted from storage?			
7. Diversions/waterways maintained?			
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?	X		
9. Waste storage pond access fenced and properly marked?	X		
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?	X		
11. Solids managed to <u>prevent</u> plants growing on crust?	X		
12. Anaerobic lagoon is purple/pink?		X	
13. Actively bubbling?	X		
14. Inlet pipes submerged?		X	
15. Downwind odor from WSP is: <input type="checkbox"/> Strong <input type="checkbox"/> Unbearable			

COMMENTS:

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH		
4. Footprint - inside top - WIDTH		
5. Embankment - Inside SS	3:1	> 2H:1V
6. Embankment - Outside SS	4:1	> 2H:1V
7. Embankment - Top Width	4	
8. Embankment - Maximum Fill Height	6.8	
9. Maximum Excavation Depth		
10. Total POND Depth	1.4	
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA		
12. Inlet type and location: Pipe, Flume, Scrape/slab, Overflow 'T', Other		
13. Outlet ramp slope and condition: none, earthen, gravel, concrete, other		
14. Pump/agitation site condition		
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: Farm Building, Homes, Roads, Water Coursed		
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		
18. Distance to nearest home/dwelling		
19. Distance to nearest water course		

COMMENTS:

AGID: 4687

FARM NAME: MIKE LANTING DAIRY

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

(2) Description of structural modification: _____

(3) Describe impact of modification on structural integrity: _____

(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

AGID: 4687

FARM NAME: MIKE LANTING DAIRY

Notes, drawings etc

A. Site inventory

LANDOWNER: _____

OPERATOR: MIKE DOUMA

8-10

AGID: 9866 FARM NAME: M J D FARMS DAIRY



LAGOON ID: 9866-1 Lat: 48.946700 Long: -122.569190

Phones: (360) 354-0747 Cell: (360) 815-2048

FARM ADDRESS: 1679 LOOMIS TRAIL ROAD CUSTER WA 98240

REVIEW INVENTORY DATE: 9/12/2012

MANURE/ EFFLUENT LEVEL: 10 %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: ~~10~~ FT. 8

Completed by: _____ Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)

DATE: _____

WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: 9/12/2012

Weather: 3/4 Sunny

Temperature: 54

Soil surface: dry, moist, wet, saturated, standing water, frozen, snow covered

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW

If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in **REPORT** section.

SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?		X	
a. Due to wave action?		X	
b. In vicinity of waste inlet structure?			
c. Due to erosion from rainfall?			
d. Near agitation equipment access points?			
2. Pond was constructed <u>with</u> a liner?			
a. Erosion of liner material?			
b. Damaged material (holes, tears, seams)?			
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
3. Signs of embankment damage?			
a. Due to burrowing animals?			
b. Presence of trees or woody vegetation?		X	
c. Presence of large weeds?	X		
d. Evidence of overtopping of embankment?			
e. Evidence of soil erosion or gully on embankment?			
f. Evidence of cracks in embankment soils?			
g. Damp, soft, or slumping areas on berm?			
h. Seepage near bottom of berm slope?			
i. Seepage around pipes thru berm?			

COMMENTS:

AGID: 9866

FARM NAME: M J D FARMS DAIRY

LAGOON ID: 9866-1

Lat: 48.946700

Long: -122.569190

OPERATION AND MAINTENANCE

If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in **REPORT** section

SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?		X	
a. Is liquid level marker visible?			X
b. Is storage capacity available for freeboard when pond is full?		X	
2. Are manure pump and transfer pipes functioning?	X		
3. Are recycling pumps and transfer pipes functioning?	X		
4. Is pond overflow pipe/structure clear and unobstructed?	X		
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			X
6. All roof water or clean runoff is diverted from storage?			X
7. Diversions/waterways maintained?	X		
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?		X	
9. Waste storage pond access fenced and properly marked?		X	
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?	X		
11. Solids managed to prevent plants growing on crust?	X	X	
12. Anaerobic lagoon is purple/pink?		X	
13. Actively bubbling?	X		
14. Inlet pipes submerged?	X		
15. Downwind odor from WSP is: <input type="checkbox"/> Strong <input type="checkbox"/> Unbearable			

COMMENTS:

(3b S embankment (top) BB. (remark #2!)
side
17 NE corner large patch of weeds on
crust

AGID: 9866 FARM NAME: M J D FARMS DAIRY

LAGOON ID: 9866-1 Lat: 48.946700 Long: -122.569190

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH	330	
4. Footprint - inside top - WIDTH	210	
5. Embankment - Inside SS ?	5:3	> 2H:1V
6. Embankment - Outside SS ?	5:3	> 2H:1V
7. Embankment - Top Width	8	
8. Embankment - Maximum Fill Height	9	
9. Maximum Excavation Depth		
10. Total POND Depth		
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA		
12. Inlet type and location: Pipe, Flume, Scrape/slab, Overflow 'T', Other		
13. Outlet ramp slope and condition: none, earthen, gravel, concrete, other		
14. Pump/agitation site condition		
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: Farm Building, Homes, Roads, Water Coursed		
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		
18. Distance to nearest home/dwelling		
19. Distance to nearest water course		

COMMENTS:

AGID: 9866

FARM NAME: M J D FARMS DAIRY

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

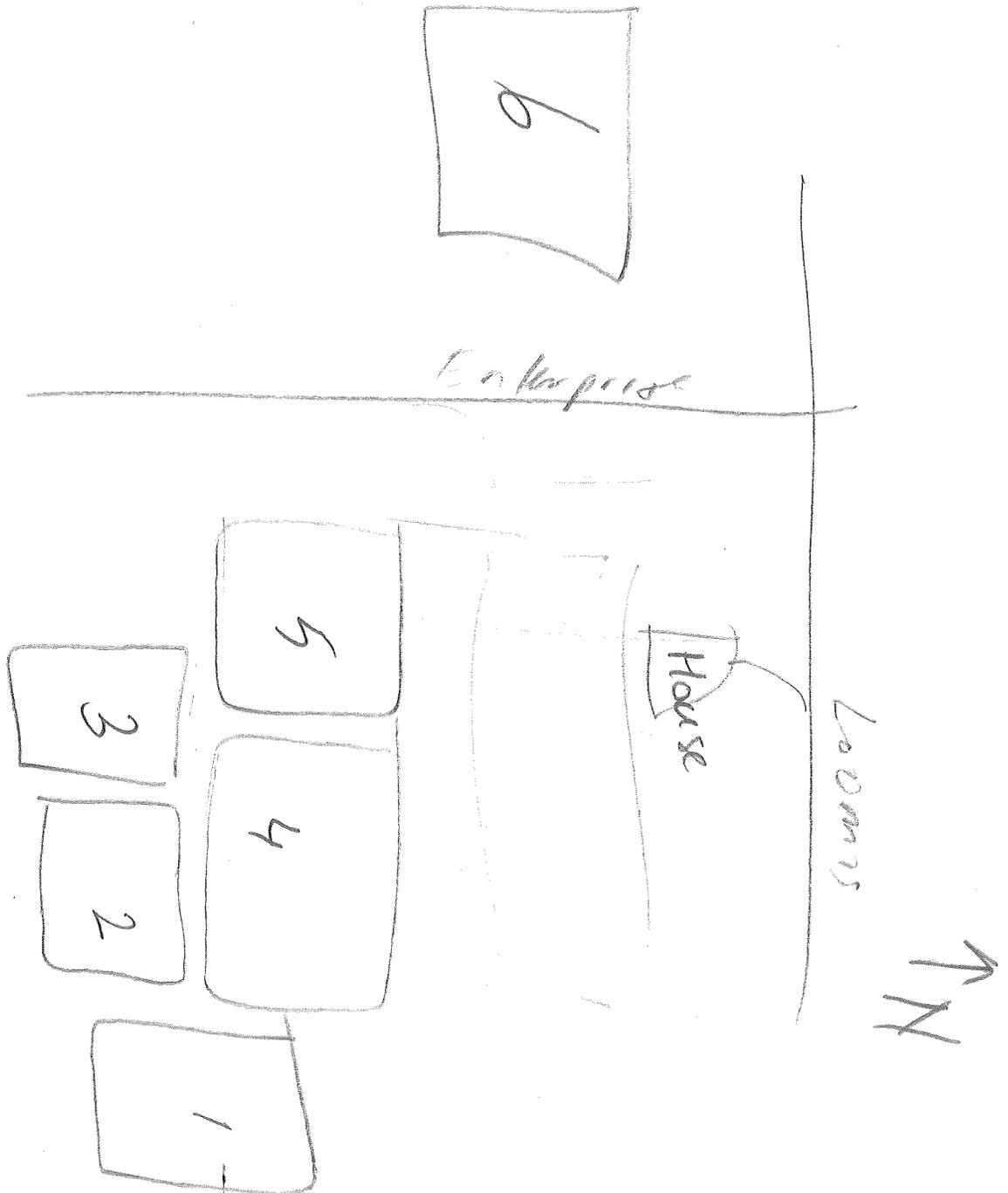
(2) Description of structural modification: _____

(3) Describe impact of modification on structural integrity: _____

(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

Notes, drawings etc



Whatecom

DATE 10/27 STAFF **SMH** FAC.SITE KEY **8166402** STATUS **Active**

FARM NAME **MJD FARMS DAIRY** AG ID **9866**

FARM ADDRESS **1679 Loomis Trail Road near Custer**

FARM CONTACT _____

FARM CONTACT MAILING ADDRESS _____

OF LAGOONS MANAGED UNDER NMP **6** THIS LAGOON ID **9866-1**

LONGITUDE ~~-122.5733~~ **6919** LATITUDE **48.9475** **710**

WSP IS TODAY NEARLY FULL NEARLY EMPTY PICTURES TAKEN

TODAY LIQUID LEVEL IS 8' FEET BELOW TOP OF EMBANKMENT OR SPILLWAY ELEVATION

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in COMMENTS section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?		X	
b. In vicinity of waste inlet structure?		X	
c. Due to erosion from rainfall?		X	
d. Near agitation equipment access points?		X	
2. Pond was constructed without a liner?		X	
3. Circle liner type or NA			
a. Erosion of liner material?		X	
b. Damaged material (holes, tears, seams)?		X	
c. Damage from pressure under liner (slumps, bulges, boils, whales)?		X	
4. Signs of embankment damage?			
a. Due to burrowing animals?		X	
b. Presence of trees or woody vegetation?		X	
c. Presence of large weeds?		X	
d. Evidence of overtopping of embankment?		X	
e. Evidence of soil erosion or gully on embankment?		X	
f. Evidence of cracks in embankment soils?		X	
g. Damp, soft, or slumping areas on berm?		X	
h. Seepage near bottom of berm slope?		X	
i. Seepage around pipes thru berm?		X	

48.9475 - 710

OPERATION AND MAINTENANCE

If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in the COMMENT section

SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?		<input checked="" type="checkbox"/>	
a. Is liquid level marker visible?		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
b. Is storage capacity available for freeboard when pond is full?		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2. Are manure pump and transfer pipes functioning?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
3. Are recycling pumps and transfer pipes functioning?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
4. Is pond overflow pipe/structure clear and unobstructed?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

CLEAN WATER DIVERSION

5. Perimeter drains plugged or blocked?		<input checked="" type="checkbox"/>	
6. All roof water or clean runoff is diverted from storage?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
7. Diversions/waterways maintained?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

VISUAL APPEARANCE AND SAFETY

8. Site neat and recently mowed?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
9. Waste storage pond access fenced and properly marked?		<input checked="" type="checkbox"/>	

O & M ITEMS FOR ODOR AND AIR QUALITY

10. Crust of solids on lagoon?		<input checked="" type="checkbox"/>	
11. Solids managed to prevent plants growing on crust?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
12. Anaerobic lagoon is purple/pink?		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
13. Actively bubbling?		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
14. Inlet pipes submerged?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
15. Downwind odor from WSP is:	<input checked="" type="checkbox"/> None <input type="checkbox"/> Faint <input type="checkbox"/> Distinct <input type="checkbox"/> Strong <input type="checkbox"/> Unbearable		

Earthen Structural Review comments	Operations and Maintenance comments
X	
X	
X	48.51615 -122.33841
X	48.51796 -122.32884
X	
X	
X	
X	
X	

C. Summarize inventory for structural integrity evaluation

Complete the information below based on the original construction plans and current site inventory and existing site survey data collected.

LANDOWNER/FARM NAME: _____

WASTE STORAGE POND SITE LEGAL LOCATION: Sec _____ T _____ R _____

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

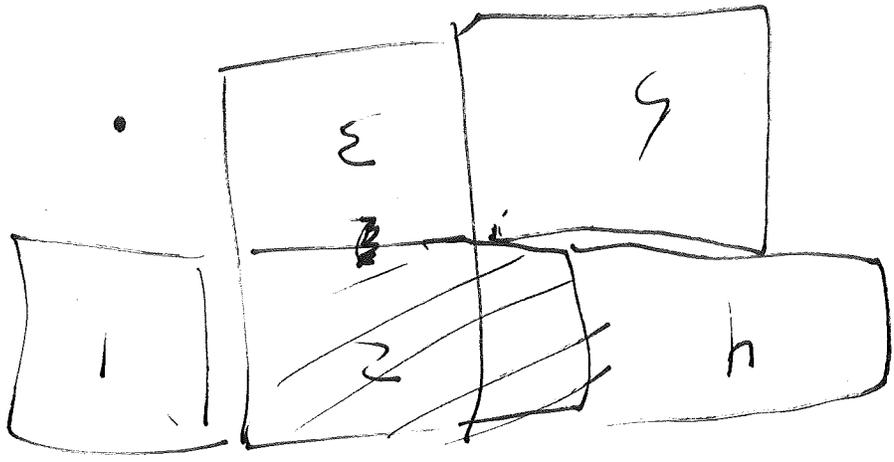
REQUIRED - AVAILABLE STORM VOLUME DEPTH*: _____ FT

*Depth as listed in design data to store runoff from a 25-YR/24-HR storm event, (WA 25-YR 24-HR Isopluvial map online at: <http://www.wrcc.dri.edu/pcpnfreq/wa25y24h.gif>) Or available storm water storage below top of embankment or spillway elevation.

DEPTH TO SEASONAL HIGH GROUND WATER TABLE (SHGWT) BELOW (original or best estimate from inventory) NATURAL GROUND _____

LIST THE DESIGN CRITERIA:	ORIGINAL DESIGN CONDITIONS	CURRENT CONDITIONS ¹	NRCS design criteria at time of installation or last modification ¹
1. Storage capacity at overflow, or crest elevation if no spillway.			
2. Footprint - inside top - LENGTH		330'	
3. Footprint - inside top - WIDTH	2	210'	
4. Embankment - Inside SS		H:5' V:3'	
5. Embankment - Outside SS		H:5' V:3'	
6. Embankment - Top Width 8'		8' 210' x 330'	
7. Embankment - Maximum Fill Height		9'	
8. Maximum Excavation Depth			
9. Total POND Depth			
10. Liner type or soil amendment condition			
11. Inlet type location and condition			
12. Outlet ramp condition			
13. Pump/agitation site condition			

¹ Appendix 2: Lists the relevant NRCS practice standard design criteria by date of adoption for current and archived NRCS practice standards used for Waste Storage Pond design and construction in Washington State.



2.30
 5.10
 4.3, 4.3
 4.3, 4.3
 4.3, 4.3
 4.3, 4.3
 4.3, 4.3
 4.3, 4.3

Capacity

deep
 level
 when constructed
 by



DATE _____ STAFF **SMH** FAC.SITE KEY **8166402** STATUS **Active**

FARM NAME **MJD FARMS DAIRY** AG ID **9866**

FARM ADDRESS **1679 Loomis Trail Road near Custer**

FARM CONTACT _____

FARM CONTACT MAILING ADDRESS _____

OF LAGOONS MANAGED UNDER NMP **6** THIS LAGOON ID **9866-2**

LONGITUDE **-122.57210** LATITUDE **48.94796**

WSP IS TODAY NEARLY FULL NEARLY EMPTY PICTURES TAKEN

TODAY LIQUID LEVEL IS **7'** FEET BELOW TOP OF EMBANKMENT OR SPILLWAY ELEVATION

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in COMMENTS section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?		✓	
b. In vicinity of waste inlet structure?		✓	
c. Due to erosion from rainfall?		✓	
d. Near agitation equipment access points?		✓	
2. Pond was constructed <u>without</u> a liner?		✓	
3. Circle liner type or NA: <u>Compacted Clay</u> Flexible Membrane Bentonite Amendment Other NA			
a. Erosion of liner material?		✓	
b. Damaged material (holes, tears, seams)?		✓	
c. Damage from pressure under liner (slumps, bulges, boils, whales)?		✓	
4. Signs of embankment damage?			
a. Due to burrowing animals?		✓	
b. Presence of trees or woody vegetation?		✓	
c. Presence of large weeds?		✓	
d. Evidence of overtopping of embankment?		✓	
e. Evidence of soil erosion or gully on embankment?		✓	
f. Evidence of cracks in embankment soils?		✓	
g. Damp, soft, or slumping areas on berm?		✓	
h. Seepage near bottom of berm slope?		✓	
i. Seepage around pipes thru berm?		✓	

C. Summarize inventory for structural integrity evaluation

Complete the information below based on the original construction plans and current site inventory and existing site survey data collected.

LANDOWNER/FARM NAME: _____

WASTE STORAGE POND SITE LEGAL LOCATION: Sec _____ T _____ R _____

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

REQUIRED - AVAILABLE STORM VOLUME DEPTH*: _____ FT

*Depth as listed in design data to store runoff from a 25-YR/24-HR storm event, (WA 25-YR 24-HR Isopluvial map online at: <http://www.wrcc.dri.edu/pcpnfreq/wa25y24h.gif>)

Or available storm water storage below top of embankment or spillway elevation.

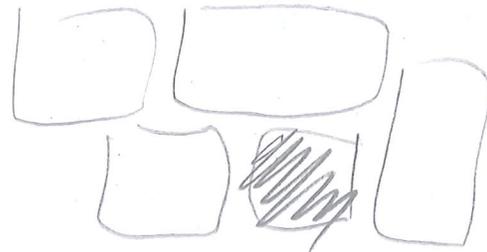
DEPTH TO SEASONAL HIGH GROUND WATER TABLE (SHGWT) BELOW (original or best estimate from inventory) NATURAL GROUND _____

LIST THE DESIGN CRITERIA:	ORIGINAL DESIGN CONDITIONS	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification ¹
1. Storage capacity at overflow, or crest elevation if no spillway.			
2. Footprint - inside top - LENGTH		340'	
3. Footprint - inside top - WIDTH		225'	
4. Embankment - Inside SS		H: 7' V: 2 3/4'	
5. Embankment - Outside SS		H: 6' V: 2.5'	
6. Embankment - Top Width		10'	
7. Embankment - Maximum Fill Height		7' 10'	
8. Maximum Excavation Depth			
9. Total POND Depth			
10. Liner type or soil amendment condition			
11. Inlet type location and condition			
12. Outlet ramp condition			
13. Pump/agitation site condition			

¹ Appendix 2: Lists the relevant NRCS practice standard design criteria by date of adoption for current and archived NRCS practice standards used for Waste Storage Pond design and construction in Washington State.

190
10
H. A. 1122
H. A. 1121
H. A. 1120
H. A. 1119
H. A. 1118

A. Site inventory



LANDOWNER: _____

OPERATOR: MIKE DOUMA

AGID: 9866 FARM NAME: M J D FARMS DAIRY

LAGOON ID: 9866-2 Lat: 48.947780 Long: -122.572100

Phones: (360) 354-0747 Cell: (360) 815-2048

FARM ADDRESS: 1679 LOOMIS TRAIL ROAD CUSTER WA 98240

REVIEW INVENTORY DATE: 9/12/2012

MANURE/ EFFLUENT LEVEL: 5 %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 10 FT.

Completed by: MIKE DOUMA Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:

WSP



WSP is FULL (Typically late winter or early spring)

DATE: _____



WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: 9/12/12

Weather: _____

Temperature: _____

Soil surface: dry, moist, wet, saturated, standing water, frozen, snow covered

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?			
b. In vicinity of waste inlet structure?			
c. Due to erosion from rainfall?			
d. Near agitation equipment access points?			
2. Pond was constructed <u>with</u> a liner?			
a. Erosion of liner material?			
b. Damaged material (holes, tears, seams)?			
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
3. Signs of embankment damage?			
a. Due to burrowing animals?			
b. Presence of trees or woody vegetation?			
c. Presence of large weeds?			
d. Evidence of overtopping of embankment?			
e. Evidence of soil erosion or gully on embankment?			
f. Evidence of cracks in embankment soils?			
g. Damp, soft, or slumping areas on berm?			
h. Seepage near bottom of berm slope?			
i. Seepage around pipes thru berm?			

COMMENTS:

AGID: 9866

FARM NAME: M J D FARMS DAIRY

LAGOON ID: 9866-2

Lat: 48.947780

Long: -122.572100

OPERATION AND MAINTENANCE

If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in **REPORT** section

SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?		<input checked="" type="checkbox"/>	
a. Is liquid level marker visible?		<input checked="" type="checkbox"/>	
b. Is storage capacity available for freeboard when pond is full?		<input checked="" type="checkbox"/>	
2. Are manure pump and transfer pipes functioning?	<input checked="" type="checkbox"/>		
3. Are recycling pumps and transfer pipes functioning?	<input checked="" type="checkbox"/>		
4. Is pond overflow pipe/structure clear and unobstructed?		<input checked="" type="checkbox"/>	
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			<input checked="" type="checkbox"/>
6. All roof water or clean runoff is diverted from storage?			<input checked="" type="checkbox"/>
7. Diversions/waterways maintained?			<input checked="" type="checkbox"/>
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?	<input checked="" type="checkbox"/>		
9. Waste storage pond access fenced and properly marked?		<input checked="" type="checkbox"/>	
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?	<input checked="" type="checkbox"/>		
11. Solids managed to <u>prevent</u> plants growing on crust?	<input checked="" type="checkbox"/>		
12. Anaerobic lagoon is purple/pink?		<input checked="" type="checkbox"/>	
13. Actively bubbling?	<input checked="" type="checkbox"/>		
14. Inlet pipes submerged?		<input checked="" type="checkbox"/>	
15. Downwind odor from WSP is: <input type="checkbox"/> Strong <input checked="" type="checkbox"/> Unbearable			

COMMENTS:

NE corner

AGID: 9866 FARM NAME: M J D FARMS DAIRY

LAGOON ID: 9866-2 Lat: 48.947780 Long: -122.572100

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH	250	
4. Footprint - inside top - WIDTH	250	
5. Embankment - Inside SS		> 2H:1V
6. Embankment - Outside SS		> 2H:1V
7. Embankment - Top Width		
8. Embankment - Maximum Fill Height		
9. Maximum Excavation Depth		
10. Total POND Depth		
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input checked="" type="checkbox"/> NA		
12. Inlet type and location: Pipe, Flume, Scrape/slab, Overflow 'T', Other		
13. Outlet ramp slope and condition: none, earthen, gravel, concrete, other		
14. Pump/agitation site condition		
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: Farm Building, Homes, Roads, Water Coursed		
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		
18. Distance to nearest home/dwelling		
19. Distance to nearest water course		

COMMENTS:

AGID: 9866

FARM NAME: M J D FARMS DAIRY

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

(2) Description of structural modification: _____

(3) Describe impact of modification on structural integrity: _____

(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

AGID: 9866

FARM NAME: **M J D FARMS DAIRY**

Notes, drawings etc

DATE _____ STAFF **SMH** FAC.SITE KEY **8166402** STATUS **Active**

FARM NAME **MJD FARMS DAIRY** AG ID **9866**

FARM ADDRESS **1679 Loomis Trail Road near Custer**

FARM CONTACT _____

FARM CONTACT MAILING ADDRESS _____

OF LAGOONS MANAGED UNDER NMP **6** THIS LAGOON ID **9866-3**

LONGITUDE ~~-122.57016~~ ¹⁵⁹ LATITUDE ~~48.94767~~ ⁰⁶

WSP IS TODAY NEARLY FULL NEARLY EMPTY PICTURES TAKEN

TODAY LIQUID LEVEL IS 9 FEET BELOW TOP OF EMBANKMENT OR SPILLWAY ELEVATION

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in COMMENTS section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?		✓	
b. In vicinity of waste inlet structure?		✓	
c. Due to erosion from rainfall?		✓	
d. Near agitation equipment access points?		✓	
2. Pond was constructed without a liner?		✓	
3. Circle liner type or NA: <u>Compacted Clay</u> Flexible Membrane Bentonite Amendment Other NA			
a. Erosion of liner material?		✓	
b. Damaged material (holes, tears, seams)?		✓	
c. Damage from pressure under liner (slumps, bulges, boils, whales)?		✓	
4. Signs of embankment damage?			
a. Due to burrowing animals?		✓	
b. Presence of trees or woody vegetation?		✓	
c. Presence of large weeds?		✓	
d. Evidence of overtopping of embankment?		✓	
e. Evidence of soil erosion or gully on embankment?		✓	
f. Evidence of cracks in embankment soils?		✓	
g. Damp, soft, or slumping areas on berm?		✓	
h. Seepage near bottom of berm slope?		✓	
i. Seepage around pipes thru berm?		✓	

C. Summarize inventory for structural integrity evaluation

Complete the information below based on the original construction plans and current site inventory and existing site survey data collected.

LANDOWNER/FARM NAME: _____

WASTE STORAGE POND SITE LEGAL LOCATION: Sec _____ T _____ R _____

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

REQUIRED - AVAILABLE STORM VOLUME DEPTH*: _____ FT

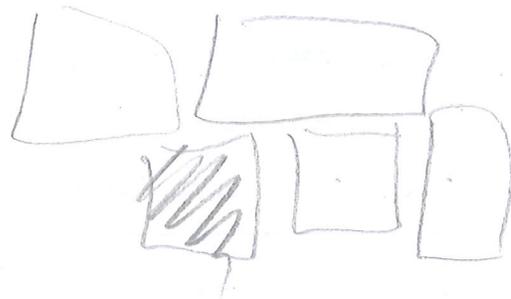
*Depth as listed in design data to store runoff from a 25-YR/24-HR storm event, (WA 25-YR 24-HR Isopluvial map online at: <http://www.wrcc.dri.edu/pcpnfreq/wa25y24h.gif>) Or available storm water storage below top of embankment or spillway elevation.

DEPTH TO SEASONAL HIGH GROUND WATER TABLE (SHGWT) BELOW (original or best estimate from inventory) NATURAL GROUND _____

LIST THE DESIGN CRITERIA:	ORIGINAL DESIGN CONDITIONS	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification ¹
1. Storage capacity at overflow, or crest elevation if no spillway.			
2. Footprint - inside top - LENGTH		240'	
3. Footprint - inside top - WIDTH		225'	
4. Embankment - Inside SS		H: 5' V: 2 ³ / ₄	
5. Embankment - Outside SS		H: 5' V: 2'	
6. Embankment - Top Width		15'	
7. Embankment - Maximum Fill Height		9'	
8. Maximum Excavation Depth			
9. Total POND Depth			
10. Liner type or soil amendment condition			
11. Inlet type location and condition			
12. Outlet ramp condition			
13. Pump/agitation site condition			

¹ Appendix 2: Lists the relevant NRCS practice standard design criteria by date of adoption for current and archived NRCS practice standards used for Waste Storage Pond design and construction in Washington State.

540
121
11:21 AM
11:21 AM
11:21 AM
11:21 AM
11:21 AM



A. Site inventory

LANDOWNER: _____

OPERATOR: MIKE DOUMA

AGID: 9866 FARM NAME: M J D FARMS DAIRY

LAGOON ID: 9866-3 Lat: 48.947060 Long: -122.571590

Phones: (360) 354-0747 Cell: (360) 815-2048

FARM ADDRESS: 1679 LOOMIS TRAIL ROAD CUSTER WA 98240

REVIEW INVENTORY DATE: 9/12/2012

MANURE/ EFFLUENT LEVEL: 10 %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 8 FT.

Completed by: DARK M Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)

DATE: _____

DUP.

WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: 9/12/2012

*Note -
Empty Review
on 10/27/2011
spreadsheet
error*

Weather: _____

Temperature: _____

Soil surface: dry, moist, wet, saturated, standing water, frozen, snow covered

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?		X	
b. In vicinity of waste inlet structure?		X	
c. Due to erosion from rainfall?		X	
d. Near agitation equipment access points?		X	
2. Pond was constructed <u>with</u> a liner?			
a. Erosion of liner material?			
b. Damaged material (holes, tears, seams)?			
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
3. Signs of embankment damage?			
a. Due to burrowing animals?		X	
b. Presence of trees or woody vegetation?		X	
c. Presence of large weeds?		X	
d. Evidence of overtopping of embankment?		X	
e. Evidence of soil erosion or gully on embankment?		X	
f. Evidence of cracks in embankment soils?		X	
g. Damp, soft, or slumping areas on berm?		X	
h. Seepage near bottom of berm slope?		X	
i. Seepage around pipes thru berm?		X	

COMMENTS:

AGID: 9866

FARM NAME: M J D FARMS DAIRY

LAGOON ID: 9866-3

Lat: 48.947060

Long: -122.571590

OPERATION AND MAINTENANCE

If any boxes checked "NO"; make notes of location and identify O & M task to improve management in **REPORT** section

SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?		X	
a. Is liquid level marker visible?		X	
b. Is storage capacity available for freeboard when pond is full?		X	
2. Are manure pump and transfer pipes functioning?	X		
3. Are recycling pumps and transfer pipes functioning?	X		
4. Is pond overflow pipe/structure clear and unobstructed?			X
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			X
6. All roof water or clean runoff is diverted from storage?			X
7. Diversions/waterways maintained?			X
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?	X		
9. Waste storage pond access fenced and properly marked?		X	
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?	X		
11. Solids managed to prevent plants growing on crust?	X		
12. Anaerobic lagoon is purple/pink?		X	
13. Actively bubbling?	X		
14. Inlet pipes submerged?	X		
15. Downwind odor from WSP is: <input type="checkbox"/> Strong <input type="checkbox"/> Unbearable			

COMMENTS:

N berm invading into lagoon - ss 4:1

AGID: 9866 FARM NAME: M J D FARMS DAIRY

LAGOON ID: 9866-3 Lat: 48.947060 Long: -122.571590

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH	200	
4. Footprint - inside top - WIDTH	200	
5. Embankment - Inside SS	37 1:9	> 2H:1V
6. Embankment - Outside SS		> 2H:1V
7. Embankment - Top Width		
8. Embankment - Maximum Fill Height		
9. Maximum Excavation Depth		
10. Total POND Depth		
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input checked="" type="checkbox"/> NA		
12. Inlet type and location: Pipe, Flume, Scrape/slab, Overflow 'T', Other		
13. Outlet ramp slope and condition: none, earthen, gravel, concrete, other		
14. Pump/agitation site condition		
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: Farm Building, Homes, Roads, Water Coursed		
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		
18. Distance to nearest home/dwelling		
19. Distance to nearest water course		

COMMENTS:

AGID: 9866

FARM NAME: M J D FARMS DAIRY

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

____ YES ____ NO

C. Does it appear that the WSP been structurally modified?

____ YES ____ NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

(2) Description of structural modification: _____

(3) Describe impact of modification on structural integrity: _____

(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

AGID: 9866

FARM NAME: M J D FARMS DAIRY

Notes, drawings etc

DATE _____ STAFF **SMH** FAC.SITE KEY **8166402** STATUS **Active**

FARM NAME **MJD FARMS DAIRY** AG ID **9866**

FARM ADDRESS **1679 Loomis Trail Road near Custer**

FARM CONTACT _____

FARM CONTACT MAILING ADDRESS _____

OF LAGOONS MANAGED UNDER NMP **6** THIS LAGOON ID **9866-4**

LONGITUDE **-122.5705** LATITUDE **48.94648**
764

WSP IS TODAY NEARLY FULL NEARLY EMPTY PICTURES TAKEN

TODAY LIQUID LEVEL IS 12 FEET BELOW TOP OF EMBANKMENT OR SPILLWAY ELEVATION

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in COMMENTS section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?		✓	
b. In vicinity of waste inlet structure?		✓	
c. Due to erosion from rainfall?		✓	
d. Near agitation equipment access points?		✓	
2. Pond was constructed without a liner?		✓	
3. Circle liner type or NA: <u>Compacted Clay</u> Flexible Membrane Bentonite Amendment Other <u>NA</u>			
a. Erosion of liner material?		✓	
b. Damaged material (holes, tears, seams)?		✓	
c. Damage from pressure under liner (slumps, bulges, boils, whales)?		✓	
4. Signs of embankment damage?			
a. Due to burrowing animals?		✓	
b. Presence of trees or woody vegetation?		✓	
c. Presence of large weeds?		✓	
d. Evidence of overtopping of embankment?		✓	
e. Evidence of soil erosion or gully on embankment?		✓	
f. Evidence of cracks in embankment soils?		✓	
g. Damp, soft, or slumping areas on berm?		✓	
h. Seepage near bottom of berm slope?		✓	
i. Seepage around pipes thru berm?		✓	

C. Summarize inventory for structural integrity evaluation

Complete the information below based on the original construction plans and current site inventory and existing site survey data collected.

LANDOWNER/FARM NAME: _____

WASTE STORAGE POND SITE LEGAL LOCATION: Sec _____ T _____ R _____

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

REQUIRED - AVAILABLE STORM VOLUME DEPTH*: _____ FT ..

*Depth as listed in design data to store runoff from a 25-YR/24-HR storm event,
 (WA 25-YR 24-HR Isopluvial map online at: <http://www.wrcc.dri.edu/pcpnfreq/wa25y24h.gif>)
 Or available storm water storage below top of embankment or spillway elevation.

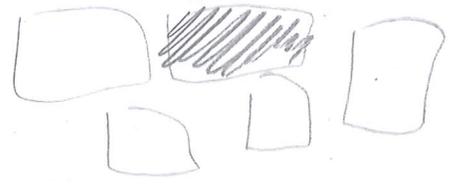
DEPTH TO SEASONAL HIGH GROUND WATER TABLE (SHGWT) BELOW (original or best estimate from inventory) NATURAL GROUND _____

LIST THE DESIGN CRITERIA:	ORIGINAL DESIGN CONDITIONS	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification ¹
1. Storage capacity at overflow, or crest elevation if no spillway.			
2. Footprint - inside top - LENGTH		230'	
3. Footprint - inside top - WIDTH		230'	
4. Embankment - Inside SS		H: 7' V: 2.5'	
5. Embankment - Outside SS		H: 5' V: 2	
6. Embankment - Top Width		15'	
7. Embankment - Maximum Fill Height		10'	
8. Maximum Excavation Depth			
9. Total POND Depth			
10. Liner type or soil amendment condition			
11. Inlet type location and condition			
12. Outlet ramp condition			
13. Pump/agitation site condition			

¹ Appendix 2: Lists the relevant NRCS practice standard design criteria by date of adoption for current and archived NRCS practice standards used for Waste Storage Pond design and construction in Washington State.

10
12
11: 2
11: 1
10: 5
10: 4
10: 3
10: 2
10: 1

280x350



A. Site inventory

LANDOWNER: _____

OPERATOR: MIKE DOUMA

AGID: 9866 FARM NAME: M J D FARMS DAIRY

LAGOON ID: 9866-4 Lat: 48.947040 Long: -122.570100

Phones: (360) 354-0747 Cell: (360) 815-2048

FARM ADDRESS: 1679 LOOMIS TRAIL ROAD CUSTER WA 98240

REVIEW INVENTORY DATE: 9/12/2012

MANURE/ EFFLUENT LEVEL: 5 %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 10 FT.

Completed by: [Signature] Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)

DATE: _____

WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: 9/12/2012

DUP

Weather: _____

Temperature: _____

Soil surface: dry, moist, wet, saturated, standing water, frozen, snow covered

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW

If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in **REPORT** section.

SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?			
b. In vicinity of waste inlet structure?			
c. Due to erosion from rainfall?			
d. Near agitation equipment access points?			
2. Pond was constructed <u>with</u> a liner?			
a. Erosion of liner material?			
b. Damaged material (holes, tears, seams)?			
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
3. Signs of embankment damage?			
a. Due to burrowing animals?			
b. Presence of trees or woody vegetation?			
c. Presence of large weeds?			
d. Evidence of overtopping of embankment?			
e. Evidence of soil erosion or gully on embankment?			
f. Evidence of cracks in embankment soils?			
g. Damp, soft, or slumping areas on berm?			
h. Seepage near bottom of berm slope?			
i. Seepage around pipes thru berm?			

COMMENTS:

AGID: 9866

FARM NAME: M J D FARMS DAIRY

LAGOON ID: 9866-4

Lat: 48.947040

Long: -122.570100

OPERATION AND MAINTENANCE

If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in **REPORT** section

SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?		X	
a. Is liquid level marker visible?		X	
b. Is storage capacity available for freeboard when pond is full?		X	
2. Are manure pump and transfer pipes functioning?			
3. Are recycling pumps and transfer pipes functioning?			
4. Is pond overflow pipe/structure clear and unobstructed?			
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			<
6. All roof water or clean runoff is diverted from storage?			
7. Diversions/waterways maintained?			
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?			
9. Waste storage pond access fenced and properly marked?			
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?	X		
11. Solids managed to <u>prevent</u> plants growing on crust?	X		
12. Anaerobic lagoon is purple/pink?		X	
13. Actively bubbling?			
14. Inlet pipes submerged?	X	X	
15. Downwind odor from WSP is:	<input type="checkbox"/> Strong <input type="checkbox"/> Unbearable		

COMMENTS:

AGID: 9866 FARM NAME: M J D FARMS DAIRY

LAGOON ID: 9866-4 Lat: 48.947040 Long: -122.570100

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH		
4. Footprint - inside top - WIDTH		
5. Embankment - Inside SS	1.8	> 2H:1V
6. Embankment - Outside SS	1.6	> 2H:1V
7. Embankment – Top Width		
8. Embankment – Maximum Fill Height		
9. Maximum Excavation Depth		
10. Total POND Depth		
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input checked="" type="checkbox"/> NA		
12. Inlet type and location: Pipe, Flume, Scrape/slab, Overflow 'T', Other		
13. Outlet ramp slope and condition: none, earthen, gravel, concrete, other		
14. Pump/agitation site condition		
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: Farm Building, Homes, Roads, Water Coursed		
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		
18. Distance to nearest home/dwelling		
19. Distance to nearest water course		

COMMENTS:

AGID: 9866 FARM NAME: M J D FARMS DAIRY

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

(2) Description of structural modification: _____

(3) Describe impact of modification on structural integrity: _____

(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

AGID: 9866

FARM NAME: **M J D FARMS DAIRY**

Notes, drawings etc

DATE _____ STAFF **SMH** FAC.SITE KEY **8166402** STATUS **Active**

FARM NAME **MJD FARMS DAIRY** AG ID **9866**

FARM ADDRESS **1679 Loomis Trail Road near Custer**

FARM CONTACT _____

FARM CONTACT MAILING ADDRESS _____

OF LAGOONS MANAGED UNDER NMP **6** THIS LAGOON ID **9866-5**

LONGITUDE **-122.57²²⁹740000000001** LATITUDE **48.94⁷⁸⁴658**

WSP IS TODAY NEARLY FULL NEARLY EMPTY PICTURES TAKEN

TODAY LIQUID LEVEL IS **12'** FEET BELOW TOP OF EMBANKMENT OR SPILLWAY ELEVATION

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in COMMENTS section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?		✓	
b. In vicinity of waste inlet structure?		✓	
c. Due to erosion from rainfall?		✓	
d. Near agitation equipment access points?		✓	
2. Pond was constructed without a liner?		✓	
3. Circle liner type or NA: <u>Compacted Clay</u> Flexible Membrane Bentonite Amendment Other NA			
a. Erosion of liner material?		✓	
b. Damaged material (holes, tears, seams)?		✓	
c. Damage from pressure under liner (slumps, bulges, boils, whales)?		✓	
4. Signs of embankment damage?		✓	
a. Due to burrowing animals?		✓	
b. Presence of trees or woody vegetation?		✓	
c. Presence of large weeds?		✓	
d. Evidence of overtopping of embankment?		✓	
e. Evidence of soil erosion or gully on embankment?		✓	
f. Evidence of cracks in embankment soils?		✓	
g. Damp, soft, or slumping areas on berm?		✓	
h. Seepage near bottom of berm slope?		✓	
i. Seepage around pipes thru berm?		✓	

C. Summarize inventory for structural integrity evaluation

Complete the information below based on the original construction plans and current site inventory and existing site survey data collected.

LANDOWNER/FARM NAME: _____

WASTE STORAGE POND SITE LEGAL LOCATION: Sec _____ T _____ R _____

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

REQUIRED - AVAILABLE STORM VOLUME DEPTH*: _____ FT

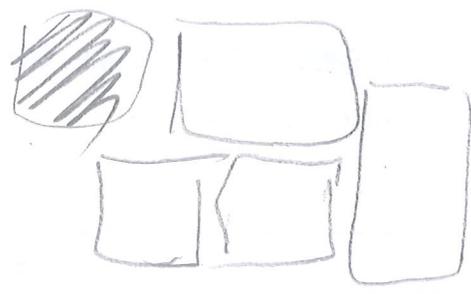
*Depth as listed in design data to store runoff from a 25-YR/24-HR storm event, (WA 25-YR 24-HR Isopluvial map online at: <http://www.wrcc.dri.edu/pcpnfreq/wa25y24h.gif>) Or available storm water storage below top of embankment or spillway elevation.

DEPTH TO SEASONAL HIGH GROUND WATER TABLE (SHGWT) BELOW (original or best estimate from inventory) NATURAL GROUND _____

LIST THE DESIGN CRITERIA:	ORIGINAL DESIGN CONDITIONS	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification ¹
1. Storage capacity at overflow, or crest elevation if no spillway.			
2. Footprint - inside top - LENGTH		255'	
3. Footprint - inside top - WIDTH		255'	
4. Embankment - Inside SS		H: 5' V: 3'	
5. Embankment - Outside SS		H: 5' V: 2.5'	
6. Embankment - Top Width		10'	
7. Embankment - Maximum Fill Height		10'	
8. Maximum Excavation Depth			
9. Total POND Depth			
10. Liner type or soil amendment condition			
11. Inlet type location and condition			
12. Outlet ramp condition			
13. Pump/agitation site condition			

¹ Appendix 2: Lists the relevant NRCS practice standard design criteria by date of adoption for current and archived NRCS practice standards used for Waste Storage Pond design and construction in Washington State.

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224
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A. Site inventory

LANDOWNER: _____

OPERATOR: MIKE DOUMA

AGID: 9866 FARM NAME: M J D FARMS DAIRY

LAGOON ID: 9866-5 Lat: 48.947840 Long: -122.572290

Phones: (360) 354-0747 Cell: (360) 815-2048

FARM ADDRESS: 1679 LOOMIS TRAIL ROAD CUSTER WA 98240

REVIEW INVENTORY DATE: 9/12/2012

MANURE/ EFFLUENT LEVEL: 10 %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 10 FT.

Completed by: DICK M. Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)

DATE: _____

WSP is near empty (Typically late summer or early fall, depending on operation management)

WSP

DATE: 9/12/2012

Weather: sunny

Temperature: 55

Soil surface: dry, moist, wet, saturated, standing water, frozen, snow covered

Seems most in use : agitator transfer pump into #3

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW

If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in **REPORT** section.

SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?		✓	
a. Due to wave action?		X	
b. In vicinity of waste inlet structure?		X	
c. Due to erosion from rainfall?		X	
d. Near agitation equipment access points?		✓	
2. Pond was constructed <u>with</u> a liner?			
a. Erosion of liner material?			
b. Damaged material (holes, tears, seams)?			
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
3. Signs of embankment damage?			
a. Due to burrowing animals?			
b. Presence of trees or woody vegetation?			
c. Presence of large weeds?			
d. Evidence of overtopping of embankment?			
e. Evidence of soil erosion or gully on embankment?			
f. Evidence of cracks in embankment soils?			
g. Damp, soft, or slumping areas on berm?			
h. Seepage near bottom of berm slope?			
i. Seepage around pipes thru berm?			

COMMENTS:

N center 10' slump inside berm 5' vertical

AGID: 9866

FARM NAME: M J D FARMS DAIRY

LAGOON ID: 9866-5

Lat: 48.947840

Long: -122.572290

OPERATION AND MAINTENANCE

If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in **REPORT** section

SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?		X	
a. Is liquid level marker visible?		X	
b. Is storage capacity available for freeboard when pond is full?		X	
2. Are manure pump and transfer pipes functioning?	X		
3. Are recycling pumps and transfer pipes functioning?	X		
4. Is pond overflow pipe/structure clear and unobstructed?	X		
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?		X	
6. All roof water or clean runoff is diverted from storage?	X		
7. Diversions/waterways maintained?			X
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?	X		
9. Waste storage pond access fenced and properly marked?	X		
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?	X		
11. Solids managed to <u>prevent</u> plants growing on crust?	X		
12. Anaerobic lagoon is purple/pink?		X	
13. Actively bubbling?	X		
14. Inlet pipes submerged?		X	
15. Downwind odor from WSP is: <input type="checkbox"/> Strong <input type="checkbox"/> Unbearable			

COMMENTS:

AGID: 9866 FARM NAME: M J D FARMS DAIRY

LAGOON ID: 9866-5 Lat: 48.947840 Long: -122.572290

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH		
4. Footprint - inside top - WIDTH		
5. Embankment - Inside SS	1.2	> 2H:1V
6. Embankment - Outside SS	1.2	> 2H:1V
7. Embankment - Top Width	10	
8. Embankment - Maximum Fill Height		
9. Maximum Excavation Depth		
10. Total POND Depth	2	
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input checked="" type="checkbox"/> NA		
12. Inlet type and location: <input checked="" type="radio"/> Pipe, <input type="radio"/> Flume, <input type="radio"/> Scrape/slab, <input type="radio"/> Overflow 'T', <input type="radio"/> Other		
13. Outlet ramp slope and condition: <input checked="" type="radio"/> none, <input type="radio"/> earthen, <input type="radio"/> gravel, <input type="radio"/> concrete, <input type="radio"/> other		
14. Pump/agitation site condition		
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: Farm Building, Homes, Roads, Water Coursed		
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		
18. Distance to nearest home/dwelling		
19. Distance to nearest water course		

COMMENTS:

AGID: 9866

FARM NAME: M J D FARMS DAIRY

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO ➔ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

(2) Description of structural modification: _____

(3) Describe impact of modification on structural integrity: _____

(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

AGID: 9866

FARM NAME: **M J D FARMS DAIRY**

Notes, drawings etc

DATE _____ STAFF **SMH** FAC.SITE KEY **8166402** STATUS **Active**

FARM NAME **MJD FARMS DAIRY** AG ID **9866**

FARM ADDRESS **1679 Loomis Trail Road near Custer**

FARM CONTACT _____

FARM CONTACT MAILING ADDRESS _____

OF LAGOONS MANAGED UNDER NMP **6** THIS LAGOON ID **9866-6**

LONGITUDE **-122.5756** LATITUDE **48.9487**

WSP IS TODAY NEARLY FULL NEARLY EMPTY PICTURES TAKEN

TODAY LIQUID LEVEL IS **7** FEET BELOW TOP OF EMBANKMENT OR SPILLWAY ELEVATION

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in COMMENTS section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?		✓	
a. Due to wave action?		✓	
b. In vicinity of waste inlet structure?		✓	
c. Due to erosion from rainfall?		✓	
d. Near agitation equipment access points?		✓	
2. Pond was constructed <u>without</u> a liner?		✓	
3. Circle liner type or NA: <u>Compacted Clay</u> Flexible Membrane Bentonite Amendment Other NA			
a. Erosion of liner material?		✓	
b. Damaged material (holes, tears, seams)?		✓	
c. Damage from pressure under liner (slumps, bulges, boils, whales)?		✓	
4. Signs of embankment damage?			
a. Due to burrowing animals?		✓	
b. Presence of trees or woody vegetation?		✓	
c. Presence of large weeds?		✓	
d. Evidence of overtopping of embankment?		✓	
e. Evidence of soil erosion or gully on embankment?		✓	
f. Evidence of cracks in embankment soils?		✓	
g. Damp, soft, or slumping areas on berm?	✗	✗	✓
h. Seepage near bottom of berm slope?	✗	✗	✓
i. Seepage around pipes thru berm?		✓	

C. Summarize inventory for structural integrity evaluation

Complete the information below based on the original construction plans and current site inventory and existing site survey data collected.

LANDOWNER/FARM NAME: _____

WASTE STORAGE POND SITE LEGAL LOCATION: Sec _____ T ____ R _____

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

REQUIRED - AVAILABLE STORM VOLUME DEPTH*: _____ FT

*Depth as listed in design data to store runoff from a 25-YR/24-HR storm event, (WA 25-YR 24-HR Isopluvial map online at: <http://www.wrcc.dri.edu/pcpnfreq/wa25y24h.gif>) Or available storm water storage below top of embankment or spillway elevation.

DEPTH TO SEASONAL HIGH GROUND WATER TABLE (SHGWT) BELOW (original or best estimate from inventory) NATURAL GROUND _____

LIST THE DESIGN CRITERIA:	ORIGINAL DESIGN CONDITIONS	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification ¹
1. Storage capacity at overflow, or crest elevation if no spillway.			
2. Footprint - inside top - LENGTH		200'	
3. Footprint - inside top - WIDTH		200'	
4. Embankment - Inside SS		H: 5' V: 3'	
5. Embankment - Outside SS		H: 6' V: 2'	
6. Embankment - Top Width		12'	
7. Embankment - Maximum Fill Height		9'	
8. Maximum Excavation Depth			
9. Total POND Depth			
10. Liner type or soil amendment condition			
11. Inlet type location and condition			
12. Outlet ramp condition			
13. Pump/agitation site condition			

¹ Appendix 2: Lists the relevant NRCS practice standard design criteria by date of adoption for current and archived NRCS practice standards used for Waste Storage Pond design and construction in Washington State.

500
500
11:10 AM
11:10 AM
11:10 AM
11:10 AM

and NRCS practice standard for...
NRCS practice standard for...
in the Western States



A. Site inventory

LANDOWNER: _____

OPERATOR: MIKE DOUMA

AGID: 9866 FARM NAME: M J D FARMS DAIRY

LAGOON ID: 9866-6 Lat: 48.948870 Long: -122.576610

Phones: (360) 354-0747 Cell: (360) 815-2048

FARM ADDRESS: 1679 LOOMIS TRAIL ROAD CUSTER WA 98240

REVIEW INVENTORY DATE: 9/12/2012

MANURE/ EFFLUENT LEVEL: 20 %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 7 FT.

Completed by: _____ Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)

DATE: _____

DNMP

WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: 9/12/2012

Weather: 58 sunny

Temperature: 58

Soil surface: dry, moist, wet, saturated, standing water, frozen, snow covered

AGID: 9866 FARM NAME: M J D FARMS DAIRY

LAGOON ID: 9866-6

Lat: 48.948870

Long: -122.576610

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW

If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in **REPORT** section.

SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?		X	
b. In vicinity of waste inlet structure?		X	X
c. Due to erosion from rainfall?		X	
d. Near agitation equipment access points?		X	
2. Pond was constructed <u>with</u> a liner?			
a. Erosion of liner material?			
b. Damaged material (holes, tears, seams)?			
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
3. Signs of embankment damage?			
a. Due to burrowing animals?		X	
b. Presence of trees or woody vegetation?		X	
c. Presence of large weeds?	X		
d. Evidence of overtopping of embankment?			
e. Evidence of soil erosion or gully on embankment?		X	
f. Evidence of cracks in embankment soils?		X	
g. Damp, soft, or slumping areas on berm?		X	
h. Seepage near bottom of berm slope?		X	
i. Seepage around pipes thru berm?		X	

COMMENTS:

3c SW corner BB Top.

AGID: 9866

FARM NAME: M J D FARMS DAIRY

LAGOON ID: 9866-6

Lat: 48.948870

Long: -122.576610

OPERATION AND MAINTENANCE

If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in **REPORT** section

SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?		X	
a. Is liquid level marker visible?		X	
b. Is storage capacity available for freeboard when pond is full?		X	
2. Are manure pump and transfer pipes functioning?	/		
3. Are recycling pumps and transfer pipes functioning?	/		
4. Is pond overflow pipe/structure clear and unobstructed?	/		
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			X
6. All roof water or clean runoff is diverted from storage?	X		
7. Diversions/waterways maintained?			
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?	/		
9. Waste storage pond access fenced and properly marked?	/	X	
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?		X	
11. Solids managed to <u>prevent</u> plants growing on crust?			X
12. Anaerobic lagoon is purple/pink?		X	
13. Actively bubbling?	X		
14. Inlet pipes submerged?	X		
15. Downwind odor from WSP is: <input type="checkbox"/> Strong <input checked="" type="checkbox"/> Unbearable			

COMMENTS:

AGID: 9866 FARM NAME: M J D FARMS DAIRY

LAGOON ID: 9866-6 Lat: 48.948870 Long: -122.576610

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH		
4. Footprint - inside top - WIDTH		
5. Embankment - Inside SS	1.5	> 2H:1V
6. Embankment - Outside SS	1.5	> 2H:1V
7. Embankment - Top Width	8	
8. Embankment - Maximum Fill Height	11	
9. Maximum Excavation Depth	0	
10. Total POND Depth	11	
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA		
12. Inlet type and location: <input checked="" type="checkbox"/> Pipe, <input type="checkbox"/> Flume, <input type="checkbox"/> Scrape/slab, <input type="checkbox"/> Overflow 'T', <input type="checkbox"/> Other		
13. Outlet ramp slope and condition: <input checked="" type="checkbox"/> none, <input type="checkbox"/> earthen, <input type="checkbox"/> gravel, <input type="checkbox"/> concrete, <input type="checkbox"/> other		
14. Pump/agitation site condition	✓	
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: Farm Building, Homes, Roads, Water Coursed		
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		NO
18. Distance to nearest home/dwelling		
19. Distance to nearest water course		

COMMENTS:

AGID: 9866

FARM NAME: M J D FARMS DAIRY

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

(2) Description of structural modification: _____

(3) Describe impact of modification on structural integrity: _____

(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

AGID: 9866

FARM NAME: **M J D FARMS DAIRY**

Notes, drawings etc



A. Site inventory

LANDOWNER: Brian Strom

OPERATOR: SAME

AGID: 8036 FARM NAME: MOUNTAIN GLO DAIRY

LAGOON ID Lat: 48.86127 Long: 122.38364

Phones: Cell:

FARM ADDRESS: 1945 E HEMMI ROAD, EVERSON, WA 98247

REVIEW INVENTORY DATE: 7-17-2012

MANURE/ EFFLUENT LEVEL: 50 %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 935 FT.

Completed by: MICHAEL I Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)

DATE: 7-17

WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: _____

RAISES HEIFERS

Weather: SUNNY

Temperature: 78° F

Soil surface: dry, moist, wet, saturated, standing water, frozen, snow covered

RECEIVED
AUG 17 2012
WSDA
DAIRY NUTRIENT MANAGEMENT

AGID: 8036

FARM NAME: MOUNTAIN GLO DAIRY

LAGOON ID:

Lat:

Long:

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW

If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in **REPORT** section.

SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?		NO	X
a. Due to wave action?			X
b. In vicinity of waste inlet structure?			X
c. Due to erosion from rainfall?			X
d. Near agitation equipment access points?			X
2. Pond was constructed <u>with</u> a liner?		X	
a. Erosion of liner material?			X
b. Damaged material (holes, tears, seams)?			X
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			X
3. Signs of embankment damage?			
a. Due to burrowing animals?		X	
b. Presence of trees or woody vegetation?		X	
c. Presence of large weeds?		X	
d. Evidence of overtopping of embankment?		X	
e. Evidence of soil erosion or gully on embankment?		X	
f. Evidence of cracks in embankment soils?		X	
g. Damp, soft, or slumping areas on berm?		X	
h. Seepage near bottom of berm slope?		X	
i. Seepage around pipes thru berm?		X	

COMMENTS:

PIT - NO EMBANKMENT

LAGOON ID: Lat: Long:

OPERATION AND MAINTENANCE			
If any boxes checked "NO"; make notes of location and identify O & M task to improve management in REPORT section			
SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?		X	
a. Is liquid level marker visible?		X	
b. Is storage capacity available for freeboard when pond is full?		X	
2. Are manure pump and transfer pipes functioning?			X
3. Are recycling pumps and transfer pipes functioning?			X
4. Is pond overflow pipe/structure clear and unobstructed?			X
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			X
6. All roof water or clean runoff is diverted from storage?	X		
7. Diversions/waterways maintained?			X
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?	X		
9. Waste storage pond access fenced and properly marked?	FENCED		
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?		X	
11. Solids managed to prevent plants growing on crust?			X
12. Anaerobic lagoon is purple/pink?			X
13. Actively bubbling?			X
14. Inlet pipes submerged?		X	
15. Downwind odor from WSP is:	Strong	Unbearable	

COMMENTS:

Coveys rain water only - moves solids from
 HEIFERS INDOORS

AGID: 8036 FARM NAME: MOUNTAIN GLO DAIRY

LAGOON ID: Lat: Long:

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: NZCS DATE: 80/81

DATE ORIGINAL WASTE STORAGE POND COMPLETED: 80/81

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.	300 K	Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH	72 NS	
4. Footprint - inside top - WIDTH	72 EW	
5. Embankment - Inside SS	1:1	> 2H:1V
6. Embankment - Outside SS	NA	> 2H:1V
7. Embankment - Top Width	NA	
8. Embankment - Maximum Fill Height	NA	
9. Maximum Excavation Depth	8	
10. Total POND Depth	8	
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA		
12. Inlet type and location: Pipe, Flume, <input checked="" type="checkbox"/> Scrape/slab, Overflow 'T', Other		
13. Outlet ramp slope and condition: <input checked="" type="checkbox"/> none, earthen, gravel, concrete, other		
14. Pump/agitation site condition	GOOD	
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: Farm Building, Homes, Roads, Water Coursed		
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		
18. Distance to nearest home/dwelling		
19. Distance to nearest water course		

COMMENTS:

ROUND - PIT w/ NO EMBANKMENT . STEEP SIDES BUT NO APPARENT ISSUES

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

(2) Description of structural modification: _____

(3) Describe impact of modification on structural integrity: _____

(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

AGID: 8036

FARM NAME: MOUNTAIN GLO DAIRY

Notes, drawings etc

A. Site inventory

LANDOWNER: MYLON SMITH

AGID: 10058 FARM NAME: MYSHANN DAIRY

LAGOON ID 10058-1 Lat: 48.91181 Long: -122.46154

Telephone Cell 0 Work 360410-7777

FARM ADDRESS: 552 E WISER LAKE ROAD, LYNDEN

REVIEW INVENTORY DATE: _____

MANURE/ EFFLUENT LEVEL: 90 %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 1 1/2 FT.

Completed by: MICHAEL Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:



WSP is FULL (Typically late winter or early spring)

DATE: 5-17-2012



WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: _____

4/25 TOO BUSY THIS WEEK.
✓ IN MONDAY
4/23

5-20-13

THURS
5/17
8:50 AM

WAS JOHN
STEER

~~AGID~~
Follow up
DNMP by 11, 5, 2011
INITIAL INSPECT 7/20/11
360-410-7777

- NEGOCO MANURE
WAS 50% FULL

AGID: 10058 FARM NAME: MYSHANN DAIRY

LAGOON ID 10058-1 Lat: 48.91181 Long: -122.46154

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?		X	
a. Due to wave action?		X	
b. In vicinity of waste inlet structure?		X	
c. Due to erosion from rainfall?		X	
d. Near agitation equipment access points?		X	
2. Pond was constructed <u>without</u> a liner?		?	
3. Circle liner type or NA: <input type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA			
a. Erosion of liner material?		X	
b. Damaged material (holes, tears, seams)?		X	
c. Damage from pressure under liner (slumps, bulges, boils, whales)?		X	
4. Signs of embankment damage?			
a. Due to burrowing animals?		X	
b. Presence of trees or woody vegetation?		X	
c. Presence of large weeds?		X	
d. Evidence of overtopping of embankment?		X	
e. Evidence of soil erosion or gully on embankment?		X	
f. Evidence of cracks in embankment soils?		X	
g. Damp, soft, or slumping areas on berm?		X	
h. Seepage near bottom of berm slope?		X	
i. Seepage around pipes thru berm?		X	

COMMENTS:

AGID: 10058 FARM NAME: MYSHANN DAIRY

LAGOON ID 10058-1 Lat: 48.91181 Long: -122.46154

OPERATION AND MAINTENANCE			
If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in REPORT section			
SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?		<input checked="" type="checkbox"/>	
a. Is liquid level marker visible?		<input checked="" type="checkbox"/>	
b. Is storage capacity available for freeboard when pond is full?		<input checked="" type="checkbox"/>	
2. Are manure pump and transfer pipes functioning?			<input checked="" type="checkbox"/>
3. Are recycling pumps and transfer pipes functioning?			<input checked="" type="checkbox"/>
4. Is pond overflow pipe/structure clear and unobstructed?			<input checked="" type="checkbox"/>
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			<input checked="" type="checkbox"/>
6. All roof water or clean runoff is diverted from storage?	<input checked="" type="checkbox"/>		
7. Diversions/waterways maintained?			<input checked="" type="checkbox"/>
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?		<input checked="" type="checkbox"/>	
9. Waste storage pond access fenced and properly marked?	FENCED <input checked="" type="checkbox"/>		
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?	<input checked="" type="checkbox"/>		
11. Solids managed to <u>prevent</u> plants growing on crust?	<input checked="" type="checkbox"/>		
12. Anaerobic lagoon is purple/pink?	<input checked="" type="checkbox"/>		
13. Actively bubbling?	<input checked="" type="checkbox"/>		
14. Inlet pipes submerged?			<input checked="" type="checkbox"/>
15. Downwind odor from WSP is:	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Faint	<input type="checkbox"/> Distinct
	<input type="checkbox"/> Strong	<input type="checkbox"/> Unbearable	

COMMENTS:

AGID: 10058 FARM NAME: MYSHANN DAIRY

LAGOON ID 10058-1 Lat: 48.91181 Long: -122.46154

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification ²⁶⁶
1. Storage capacity at overflow, or crest elevation if no spillway.	850K From 360K ACCORDING TO OPERATOR	Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH	120 E-W	
3. Footprint - inside top - WIDTH	110 N-S	
4. Embankment - Inside SS	2:1	> 2H:1V
5. Embankment - Outside SS	< 2:1	> 2H:1V
6. Embankment - Top Width	6	
7. Embankment - Maximum Fill Height	0	
8. Maximum Excavation Depth	10	
9. Total POND Depth	10 10	
10. Liner type or soil amendment condition	CLAY	
11. Inlet type location and condition	CONCRETE - GOOD	
12. Outlet ramp condition	NA	
13. Pump/agitation site condition	GOOD	

COMMENTS:

STEEP + SOMEWHAT NARROW BERM

BUILT INTO HILLSIDE - BERM ON N + W SIDES

DOES IT APPEAR THAT THE WSP WAS DESIGNED BY NRCS OR MET THE NRCS DESIGN CRITERIA IN PLACE AT THE TIME IT WAS INSTALLED OR LAST MODIFIED?

YES NO

C. Does it appear that the WSP been structurally modified?

 YES / NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME: MYLON SMITH

(1) Was the WSP modification designed? CIRCLE ONE: YES NO NA
If yes, list: Designer _____ Date _____

(2) Date of modification construction? _____

(3) Description of structural modification: _____

(4) Describe impact of modification on structural integrity: _____

(5) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

Notes, drawings etc

A. Site inventory

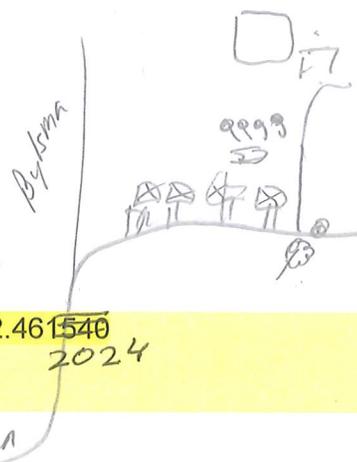
LANDOWNER: _____

OPERATOR: MYLON SMITH

(GREENVIEW)

AGID: 10058

FARM NAME: MYSHANN DAIRY 9-11



LAGOON ID: 10058-1

Lat: 48.911870

Long: -122.461540

Phones: (360) 410-7777

Cell:

2150

2024

FARM ADDRESS: 552 E WISER LAKE ROAD LYNDEN WA 98264

Ewisa

REVIEW INVENTORY DATE: 10/4/12

MANURE/ EFFLUENT LEVEL: 45 %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 3 FT.

Completed by:

DIRK M

Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:



WSP is FULL (Typically late winter or early spring)

DATE: _____



WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: 10/4/12

Weather:

overcast

Temperature: _____

Soil surface: dry, moist, wet, saturated, standing water, frozen, snow covered

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?		X	
b. In vicinity of waste inlet structure?		X	
c. Due to erosion from rainfall?		X	
d. Near agitation equipment access points?		X	
2. Pond was constructed <u>with</u> a liner?			
a. Erosion of liner material?			
b. Damaged material (holes, tears, seams)?			
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
3. Signs of embankment damage?		X	
a. Due to burrowing animals?		X	
b. Presence of trees or woody vegetation?		X	
c. Presence of large weeds?	X		
d. Evidence of overtopping of embankment?		X	
e. Evidence of soil erosion or gully on embankment?		X	
f. Evidence of cracks in embankment soils?		X	
g. Damp, soft, or slumping areas on berm?		X	
h. Seepage near bottom of berm slope?		X	
i. Seepage around pipes thru berm?		X	

COMMENTS:

3 - c some weeds S.

OPERATION AND MAINTENANCE			
If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in REPORT section			
SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?			
a. Is liquid level marker visible?		X	
b. Is storage capacity available for freeboard when pond is full?		X	
2. Are manure pump and transfer pipes functioning?	X		
3. Are recycling pumps and transfer pipes functioning?		X	
4. Is pond overflow pipe/structure clear and unobstructed?			X
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			X
6. All roof water or clean runoff is diverted from storage?	X		
7. Diversions/waterways maintained?			X
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?		X	
9. Waste storage pond access fenced and properly marked?	X		
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?		X	
11. Solids managed to <u>prevent</u> plants growing on crust?	X		
12. Anaerobic lagoon is purple/pink?		X	
13. Actively bubbling?	X		
14. Inlet pipes submerged?		X	
15. Downwind odor from WSP is:	<input checked="" type="checkbox"/> Strong <input type="checkbox"/> Unbearable		

COMMENTS:

Hand full of ducks enjoying the pond

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH		
4. Footprint - inside top - WIDTH		
5. Embankment - Inside SS	2:1	> 2H:1V
6. Embankment - Outside SS	3:1	> 2H:1V
7. Embankment – Top Width	6	
8. Embankment – Maximum Fill Height	4	
9. Maximum Excavation Depth	2	
10. Total POND Depth	6	
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA		
12. Inlet type and location: Pipe, Flume, Scrape/slab, Overflow 'T', Other		
13. Outlet ramp slope and condition: none, earthen, gravel, concrete, other		
14. Pump/agitation site condition		
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: Farm Building, Homes, Roads, Water Coursed		
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		
18. Distance to nearest home/dwelling		
19. Distance to nearest water course		

COMMENTS:

AGID: 10058 FARM NAME: MYSHANN DAIRY

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

(2) Description of structural modification: _____

(3) Describe impact of modification on structural integrity: _____

(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

AGID: 10058 FARM NAME: **MYSHANN DAIRY**

Notes, drawings etc

DATE 4-23-12 STAFF **CM** FAC. SITE KEY **0** STATUS **Active**

FARM NAME **NATURAL MILK LLC** AG ID **2208**

FARM ADDRESS **2320 Norman Road near Stanwood**

FARM CONTACT _____

FARM CONTACT MAILING ADDRESS _____

OF LAGOONS MANAGED UNDER NMP **3** THIS LAGOON ID **2208-1**

LONGITUDE **-122.26203099999999**

LATITUDE **48.21229**

1,200 Ft River

WSP IS TODAY **DMM** NEARLY FULL NEARLY EMPTY

PICTURES TAKEN

TODAY LIQUID LEVEL IS 4 FEET BELOW TOP OF EMBANKMENT OR SPILLWAY ELEVATION

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in COMMENTS section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?		✓	
b. In vicinity of waste inlet structure?		✓	
c. Due to erosion from rainfall?		✓	
d. Near agitation equipment access points?		✓	
2. Pond was constructed <u>without</u> a liner?		✓	
3. Circle liner type or NA: <input type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input checked="" type="checkbox"/> NA			
a. Erosion of liner material?		✓	
b. Damaged material (holes, tears, seams)?		✓	
c. Damage from pressure under liner (slumps, bulges, boils, whales)?		✓	
4. Signs of embankment damage?			
a. Due to burrowing animals?		✓	
b. Presence of trees or woody vegetation?		✓	
c. Presence of large weeds?		✓	
d. Evidence of overtopping of embankment?		✓	
e. Evidence of soil erosion or gully on embankment?		✓	
f. Evidence of cracks in embankment soils?		✓	
g. Damp, soft, or slumping areas on berm?		✓	
h. Seepage near bottom of berm slope?		✓	
i. Seepage around pipes thru berm?			

AGID: «AgID» FARM NAME: «Facility_Name»

LAGOON ID «Lagoon_ID» Lat: «Latitude» Long: «Longitude»

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

Visser Norman

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: 4-20-12

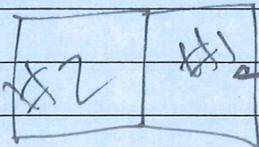
DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification ¹
1. Storage capacity at overflow, or crest elevation if no spillway.	4 ft Freeboard 80% Full	Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH	242	
3. Footprint - inside top - WIDTH	260	
4. Embankment - Inside SS	Full	> 2H:1V
5. Embankment - Outside SS	3:2	> 2H:1V
6. Embankment - Top Width	10+	
7. Embankment - Maximum Fill Height	8	
8. Maximum Excavation Depth	4	
9. Total POND Depth	12	
10. Liner type or soil amendment condition	NA	
11. Inlet type location and condition	gravity - middle PVC	
12. Outlet ramp condition	good	
13. Pump/agitation site condition	good	

COMMENTS:

N

Unseen bank



good veg - grass

DOES IT APPEAR THAT THE WSP WAS DESIGNED BY NRCS OR MET THE NRCS DESIGN CRITERIA IN PLACE AT THE TIME IT WAS INSTALLED OR LAST MODIFIED?

YES NO



Snokomist

DATE 4-23-12 STAFF **CM** FAC. SITE KEY **0** STATUS **Active**

FARM NAME **NATURAL MILK LLC** AG ID **2208**

FARM ADDRESS **2320 Norman Road near Stanwood**

FARM CONTACT _____

FARM CONTACT MAILING ADDRESS _____

OF LAGOONS MANAGED UNDER NMP **3** THIS LAGOON ID **2208-2**

LONGITUDE **-122.26203099999999** LATITUDE **48.21229**

1,200 FT River

WSP IS TODAY NEARLY FULL NEARLY EMPTY PICTURES TAKEN

TODAY LIQUID LEVEL IS 3 FT FEET BELOW TOP OF EMBANKMENT OR SPILLWAY ELEVATION

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in COMMENTS section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?		<input checked="" type="checkbox"/>	
a. Due to wave action?		<input checked="" type="checkbox"/>	
b. In vicinity of waste inlet structure?		<input checked="" type="checkbox"/>	
c. Due to erosion from rainfall?		<input checked="" type="checkbox"/>	
d. Near agitation equipment access points?		<input checked="" type="checkbox"/>	
2. Pond was constructed <u>without</u> a liner?		<input checked="" type="checkbox"/>	
3. Circle liner type or NA: <input type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input checked="" type="checkbox"/> NA			
a. Erosion of liner material?		<input checked="" type="checkbox"/>	
b. Damaged material (holes, tears, seams)?		<input checked="" type="checkbox"/>	
c. Damage from pressure under liner (slumps, bulges, boils, whales)?		<input checked="" type="checkbox"/>	
4. Signs of embankment damage?			
a. Due to burrowing animals?		<input checked="" type="checkbox"/>	
b. Presence of trees or woody vegetation?		<input checked="" type="checkbox"/>	
c. Presence of large weeds?		<input checked="" type="checkbox"/>	
d. Evidence of overtopping of embankment?		<input checked="" type="checkbox"/>	
e. Evidence of soil erosion or gully on embankment?		<input checked="" type="checkbox"/>	
f. Evidence of cracks in embankment soils?		<input checked="" type="checkbox"/>	
g. Damp, soft, or slumping areas on berm?		<input checked="" type="checkbox"/>	
h. Seepage near bottom of berm slope?		<input checked="" type="checkbox"/>	
i. Seepage around pipes thru berm?		<input checked="" type="checkbox"/>	

DATE 9-25-12 STAFF _____ FAC. SITE KEY _____ STATUS _____

FARM NAME Natural Milk AG ID _____

FARM ADDRESS: _____

FARM CONTACT Jeremy Visser

FARM CONTACT MAILING ADDRESS _____

OF LAGOONS MANAGED UNDER NMP 2 THIS LAGOON ID #2 Further from barn

LONGITUDE _____ LATITUDE _____

WSP IS TODAY NEARLY FULL NEARLY EMPTY PICTURES TAKEN

TODAY LIQUID LEVEL IS 9 FEET BELOW TOP OF EMBANKMENT OR SPILLWAY ELEVATION

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

Mid 90's
NRCS

EARTHEN STRUCTURAL REVIEW

If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in COMMENTS section.

SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?		✓	
b. In vicinity of waste inlet structure?		✓	
c. Due to erosion from rainfall?		✓	
d. Near agitation equipment access points?		✓	
2. Pond was constructed without a liner?			
3. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA			
a. Erosion of liner material?		✓	
b. Damaged material (holes, tears, seams)?		✓	
c. Damage from pressure under liner (slumps, bulges, boils, whales)?		✓	
4. Signs of embankment damage?			
a. Due to burrowing animals?	✓ moles		
b. Presence of trees or woody vegetation?	✓ small trees		
c. Presence of large weeds? <u>Blackberries</u>	✓		
d. Evidence of overtopping of embankment?		✓	
e. Evidence of soil erosion or gully on embankment?		✓	
f. Evidence of cracks in embankment soils?		✓	
g. Damp, soft, or slumping areas on berm?		✓	
h. Seepage near bottom of berm slope?		✓	
i. Seepage around pipes thru berm?		✓	

OPERATION AND MAINTENANCE

If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in the COMMENT section

SITE INVENTORY QUESTION	YES	NO	NA		
1. Is there a permanent liquid level marker available to measure depth of pond?		✓			
a. Is liquid level marker visible?		✓			
b. Is storage capacity available for freeboard when pond is full?	✓				
2. Are manure pump and transfer pipes functioning?	✓				
3. Are recycling pumps and transfer pipes functioning?	✓				
4. Is pond overflow pipe/structure clear and unobstructed?	✓				
CLEAN WATER DIVERSION					
5. Perimeter drains plugged or blocked?			✓		
6. All roof water or clean runoff is diverted from storage?	✓				
7. Diversions/waterways maintained?	✓				
VISUAL APPEARANCE AND SAFETY					
8. Site neat and recently mowed?		✓			
9. Waste storage pond access fenced and properly marked?	✓				
O & M ITEMS FOR ODOR AND AIR QUALITY					
10. Crust of solids on lagoon?		✓			
11. Solids managed to <u>prevent</u> plants growing on crust?		✓			
12. Anaerobic lagoon is purple/pink?		✓			
13. Actively bubbling?	✓				
14. Inlet pipes submerged?		✓			
15. Downwind odor from WSP is:	None	Faint	Distinct	Strong	Unbearable

Earthen Structural Review comments	Operations and Maintenance comments
<p>Please spray blackberries Cut small trees mole holes, please try to remove</p>	

AGID: «AgID» FARM NAME: «Facility_Name»

LAGOON ID «Lagoon_ID» Lat: «Latitude» Long: «Longitude»

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification ¹
1. Storage capacity at overflow, or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH		
3. Footprint - inside top - WIDTH		
4. Embankment - Inside SS		> 2H:1V
5. Embankment - Outside SS		> 2H:1V
6. Embankment – Top Width	10*	
7. Embankment – Maximum Fill Height	10	
8. Maximum Excavation Depth	2	
9. Total POND Depth	12	
10. Liner type or soil amendment condition	Clay	
11. Inlet type location and condition	S.E PVC - Cement	
12. Outlet ramp condition	good	
13. Pump/agitation site condition	good	

COMMENTS:

DOES IT APPEAR THAT THE WSP WAS DESIGNED BY NRCS OR MET THE NRCS DESIGN CRITERIA IN PLACE AT THE TIME IT WAS INSTALLED OR LAST MODIFIED?

_____ YES _____ NO

A. Site inventory

LANDOWNER: **NICK VAN DAM**

AGID: **10030** FARM NAME: **NICK VAN DAM DAIRY**

LAGOON ID **10030-1** Lat: **48.10292** Long: **-122.14148**

Telephone Cell Work

FARM ADDRESS: 11924 NE 67TH AVENUE, ARLINGTON

REVIEW INVENTORY DATE: 5-1-12

MANURE/ EFFLUENT LEVEL: 85 %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 2 FT.

Completed by: C. McKim Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:



WSP is FULL (Typically late winter or early spring)

DATE: _____



WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: _____

~~200 PA ditch (U)~~

AGID: 10030 FARM NAME: NICK VAN DAM DAIRY

LAGOON ID 10030-1 Lat: 48.10292 Long: -122.14148

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?		/	
b. In vicinity of waste inlet structure?		/	
c. Due to erosion from rainfall?		/	
d. Near agitation equipment access points?		/	
2. Pond was constructed <u>without</u> a liner?		/	
3. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input checked="" type="checkbox"/> NA			
a. Erosion of liner material?		/	
b. Damaged material (holes, tears, seams)?		/	
c. Damage from pressure under liner (slumps, bulges, boils, whales)?		/	
4. Signs of embankment damage?			
a. Due to burrowing animals?		/	
b. Presence of trees or woody vegetation?		/	
c. Presence of large weeds?	/		
d. Evidence of overtopping of embankment?		/	
e. Evidence of soil erosion or gully on embankment?		/	
f. Evidence of cracks in embankment soils?		/	
g. Damp, soft, or slumping areas on berm?		/	
h. Seepage near bottom of berm slope?		/	
i. Seepage around pipes thru berm?		/	

COMMENTS:

AGID: «AgID» FARM NAME: «Facility_Name»

LAGOON ID «Lagoon_ID»

Lat: «Latitude» Long: «Longitude»

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: 5-1-12

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

Van Dam #1 Home

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification ¹
1. Storage capacity at overflow, or crest elevation if no spillway.	2 PA 85% 10	Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH	185	
3. Footprint - inside top - WIDTH	213	
4. Embankment - Inside SS	POI	> 2H:1V
5. Embankment - Outside SS	Steeper than 3:2	> 2H:1V
6. Embankment - Top Width	8	
7. Embankment - Maximum Fill Height	10	
8. Maximum Excavation Depth	4	
9. Total POND Depth	14	
10. Liner type or soil amendment condition	NA	
11. Inlet type location and condition	#2 9' sandy middle	
12. Outlet ramp condition	good	
13. Pump/agitation site condition	good	

COMMENTS:

Spraying blackberries Pond

DOES IT APPEAR THAT THE WSP WAS DESIGNED BY NRCS OR MET THE NRCS DESIGN CRITERIA IN PLACE AT THE TIME IT WAS INSTALLED OR LAST MODIFIED?

_____ YES _____ NO

NRCS mid 80's



A. Site inventory

LANDOWNER: _____

OPERATOR: NICK VAN DAM

CALL

AGID: **10030** FARM NAME: NICK VAN DAM DAIRY

LAGOON ID: 10030-1 Lat: _____ Long: _____

Phones: (425) 422-4437 Cell: (360) 653-3359

FARM ADDRESS: 11924 NE 67TH AVENUE ARLINGTON WA 98223

REVIEW INVENTORY DATE: 10/17/2012

10³ 18⁵

MANURE/ EFFLUENT LEVEL: 80 %

2 1

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 3.5 FT.

Completed by: DICK M Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:

WSP

WSP is FULL (Typically late winter or early spring)

DATE: 10/17/2012

WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: 10/17/2012

2.1 mll.

Weather: Cloudy

Temperature: 52

Soil surface: dry, moist, wet, saturated, standing water, frozen, snow covered

AGID: 10030

FARM NAME: NICK VAN DAM DAIRY

LAGOON ID: 10030-1Lat:

Long:

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?		X	
b. In vicinity of waste inlet structure?		X	
c. Due to erosion from rainfall?		X	
d. Near agitation equipment access points?		X	
2. Pond was constructed <u>with</u> a liner?			
a. Erosion of liner material?			
b. Damaged material (holes, tears, seams)?			
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
3. Signs of embankment damage?			
a. Due to burrowing animals?			
b. Presence of trees or woody vegetation?	X		
c. Presence of large weeds?			
d. Evidence of overtopping of embankment?		X	
e. Evidence of soil erosion or gully on embankment?		X	
f. Evidence of cracks in embankment soils?		X	
g. Damp, soft, or slumping areas on berm?		X	
h. Seepage near bottom of berm slope?		X	
i. Seepage around pipes thru berm?		X	

COMMENTS:

36 BBS
S, E, N sides

AGID: **10030** FARM NAME: **NICK VAN DAM DAIRY**

LAGOON ID **10030-1** Lat: 48.10292 Long: -122.14148

OPERATION AND MAINTENANCE			
If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in REPORT section			
SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?		/	
a. Is liquid level marker visible?		/	
b. Is storage capacity available for freeboard when pond is full?		/	
2. Are manure pump and transfer pipes functioning?		/	
3. Are recycling pumps and transfer pipes functioning?		/	
4. Is pond overflow pipe/structure clear and unobstructed?		/	
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			/
6. All roof water or clean runoff is diverted from storage?	/		
7. Diversions/waterways maintained?			/
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?		/	
9. Waste storage pond access fenced and properly marked?	/		
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?		/	
11. Solids managed to <u>prevent</u> plants growing on crust?	/		
12. Anaerobic lagoon is purple/pink?		/	
13. Actively bubbling?	/		
14. Inlet pipes submerged?		/	
15. Downwind odor from WSP is:	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Faint	<input type="checkbox"/> Distinct
	<input type="checkbox"/> Strong	<input type="checkbox"/> Unbearable	

COMMENTS:

AGID: 10030 FARM NAME: NICK VAN DAM DAIRY

LAGOON ID 10030-1 Lat: 48.10292 Long: -122.14148

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification ²³
1. Storage capacity at overflow, or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH		
3. Footprint - inside top - WIDTH		
4. Embankment - Inside SS		> 2H:1V
5. Embankment - Outside SS		> 2H:1V
6. Embankment - Top Width		
7. Embankment - Maximum Fill Height		
8. Maximum Excavation Depth		
9. Total POND Depth		
10. Liner type or soil amendment condition		
11. Inlet type location and condition		
12. Outlet ramp condition		
13. Pump/agitation site condition		

COMMENTS:

DOES IT APPEAR THAT THE WSP WAS DESIGNED BY NRCS OR MET THE NRCS DESIGN CRITERIA IN PLACE AT THE TIME IT WAS INSTALLED OR LAST MODIFIED?

_____ YES _____ NO

C. Does it appear that the WSP been structurally modified?

 YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME: NICK VAN DAM

(1) Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(2) Date of modification construction? _____

(3) Description of structural modification: _____

(4) Describe impact of modification on structural integrity: _____

(5) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

Notes, drawings etc



A. Site inventory

LANDOWNER: **NICK VAN DAM**

AGID: **10030** FARM NAME: **NICK VAN DAM DAIRY**

LAGOON ID **10030-2** Lat: **48.10292** Long: **-122.14148**

Telephone Cell Work

FARM ADDRESS: 11924 NE 67TH AVENUE, ARLINGTON

REVIEW INVENTORY DATE: 5-1-12

MANURE/ EFFLUENT LEVEL: 80 %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 3 FT.

Completed by: CM Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)

DATE: 5-1-12

WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: _____

200 ft ditch (N)

AGID: 10030 FARM NAME: NICK VAN DAM DAIRY

LAGOON ID 10030-2 Lat: 48.10292 Long: -122.14148

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?		/	
b. In vicinity of waste inlet structure?		/	
c. Due to erosion from rainfall?		/	
d. Near agitation equipment access points?		/	
2. Pond was constructed <u>without a liner?</u>		/	
3. Circle liner type or NA: <u>Compacted Clay</u> Flexible Membrane Bentonite Amendment Other NA			
a. Erosion of liner material?		/	
b. Damaged material (holes, tears, seams)?		/	
c. Damage from pressure under liner (slumps, bulges, boils, whales)?		/	
4. Signs of embankment damage?		/	
a. Due to burrowing animals?		/	
b. Presence of trees or woody vegetation?		/	
c. Presence of large weeds?	/		
d. Evidence of overtopping of embankment?		/	
e. Evidence of soil erosion or gully on embankment?		/	
f. Evidence of cracks in embankment soils?		/	
g. Damp, soft, or slumping areas on berm?		/	
h. Seepage near bottom of berm slope?		/	
i. Seepage around pipes thru berm?		/	

COMMENTS:

AGID: 10030 FARM NAME: NICK VAN DAM DAIRY

LAGOON ID 10030-2 Lat: 48.10292 Long: -122.14148

OPERATION AND MAINTENANCE			
If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in REPORT section			
SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?		/	
a. Is liquid level marker visible?		/	
b. Is storage capacity available for freeboard when pond is full?	✓	/	
2. Are manure pump and transfer pipes functioning?	/	/	
3. Are recycling pumps and transfer pipes functioning?			/
4. Is pond overflow pipe/structure clear and unobstructed?			/
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			/
6. All roof water or clean runoff is diverted from storage?	/		
7. Diversions/waterways maintained?	/		
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?		/	
9. Waste storage pond access fenced and properly marked?	/		
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?		/	
11. Solids managed to <u>prevent</u> plants growing on crust?	/		
12. Anaerobic lagoon is purple/pink?		/	
13. Actively bubbling?	/		
14. Inlet pipes submerged?	/		
15. Downwind odor from WSP is:	<u>None</u>	Faint	Distinct
	Strong	Unbearable	

COMMENTS:

AGID: 10030 FARM NAME: NICK VAN DAM DAIRY

LAGOON ID 10030-2 Lat: 48.10292 Long: -122.14148

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification ²²
1. Storage capacity at overflow, or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH		
3. Footprint - inside top - WIDTH		
4. Embankment - Inside SS		> 2H:1V
5. Embankment - Outside SS		> 2H:1V
6. Embankment – Top Width		
7. Embankment – Maximum Fill Height		
8. Maximum Excavation Depth		
9. Total POND Depth		
10. Liner type or soil amendment condition		
11. Inlet type location and condition		
12. Outlet ramp condition		
13. Pump/agitation site condition		

COMMENTS:

DOES IT APPEAR THAT THE WSP WAS DESIGNED BY NRCS OR MET THE NRCS DESIGN CRITERIA IN PLACE AT THE TIME IT WAS INSTALLED OR LAST MODIFIED?

_____ YES _____ NO

C. Does it appear that the WSP been structurally modified?

YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME: NICK VAN DAM

(1) Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(2) Date of modification construction? _____

(3) Description of structural modification: _____

(4) Describe impact of modification on structural integrity: _____

(5) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

Notes, drawings etc

AGID: «AgID» FARM NAME: «Facility_Name»

LAGOON ID «Lagoon_ID» Lat: «Latitude» Long: «Longitude»

Van Dam
7/12

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: 5-1-12

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification ¹
1. Storage capacity at overflow, or crest elevation if no spillway.	3 ft 80'	Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH	200	
3. Footprint - inside top - WIDTH	175	
4. Embankment - Inside SS	Full	> 2H:1V
5. Embankment - Outside SS	3:2	> 2H:1V
6. Embankment - Top Width	10	
7. Embankment - Maximum Fill Height	10	
8. Maximum Excavation Depth	8	
9. Total POND Depth	10	
10. Liner type or soil amendment condition	compact soil	
11. Inlet type location and condition	#1 PVC E, 4 ft below bank	
12. Outlet ramp condition	good	
13. Pump/agitation site condition	good	

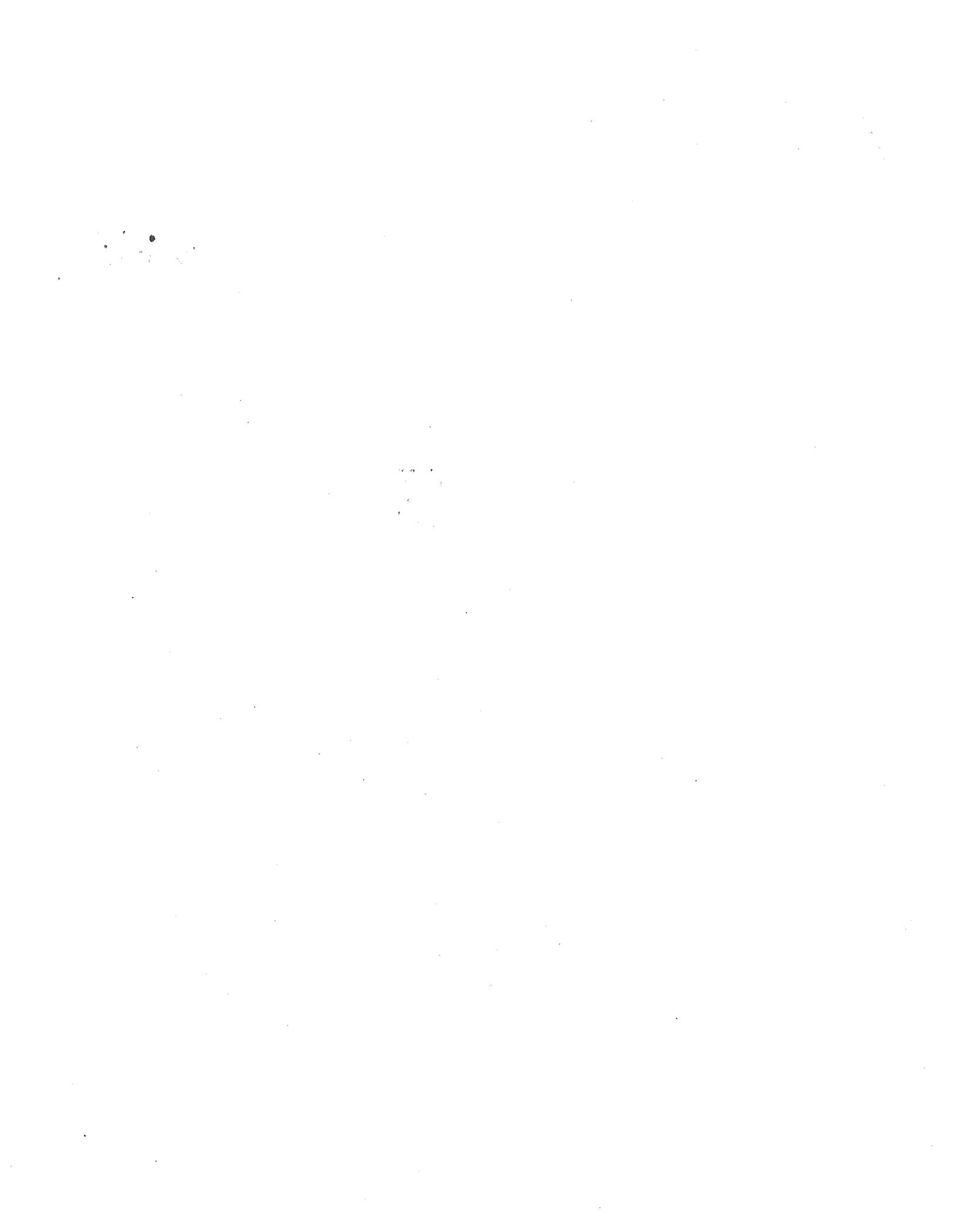
COMMENTS:

Soil spraying blackberry, apple tree at base fence

DOES IT APPEAR THAT THE WSP WAS DESIGNED BY NRCS OR MET THE NRCS DESIGN CRITERIA IN PLACE AT THE TIME IT WAS INSTALLED OR LAST MODIFIED?

____ YES _____ NO

NRCS late 80's



A. Site inventory

*Date Entered 10/17/2012
Splash shows 11/29/2011*

LANDOWNER: _____

OPERATOR: NICK VAN DAM

AGID: **10030** FARM NAME: NICK VAN DAM DAIRY

LAGOON ID: 10030-2 Lat: _____ Long: _____

Phones: (425) 422-4437 Cell: (360) 653-3359

FARM ADDRESS: 11924 NE 67TH AVENUE ARLINGTON WA 98223

REVIEW INVENTORY DATE: 10/17/2012

MANURE/ EFFLUENT LEVEL: 10 %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 7 FT.

Completed by: DIPR M Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:

DUP



WSP is FULL (Typically late winter or early spring)

DATE: _____



WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: 10/17/2012

Weather: Cloudy

Temperature: 5.3

Soil surface: 6 dry, moist, wet, saturated, standing water, frozen, snow covered

AGID: 10030

FARM NAME: NICK VAN DAM DAIRY

LAGOON ID: 10030-2Lat:

Long:

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?		X	
b. In vicinity of waste inlet structure?		X	
c. Due to erosion from rainfall?		X	
d. Near agitation equipment access points?		X	
2. Pond was constructed <u>with</u> a liner?			
a. Erosion of liner material?			
b. Damaged material (holes, tears, seams)?			/
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
3. Signs of embankment damage?			
a. Due to burrowing animals?		X	
b. Presence of trees or woody vegetation?	X		
c. Presence of large weeds?	X		
d. Evidence of overtopping of embankment?		X	
e. Evidence of soil erosion or gully on embankment?		X	
f. Evidence of cracks in embankment soils?		X	
g. Damp, soft, or slumping areas on berm?		X	
h. Seepage near bottom of berm slope?		X	
i. Seepage around pipes thru berm?		X	

COMMENTS:

3. N mid

AGID: 10030

FARM NAME: NICK VAN DAM DAIRY

LAGOON ID: 10030-2Lat:

Long:

OPERATION AND MAINTENANCE

If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in REPORT section

SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?			
a. Is liquid level marker visible?		X	
b. Is storage capacity available for freeboard when pond is full?			X
2. Are manure pump and transfer pipes functioning?	X		
3. Are recycling pumps and transfer pipes functioning?	X		
4. Is pond overflow pipe/structure clear and unobstructed?			X
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			
6. All roof water or clean runoff is diverted from storage?			
7. Diversions/waterways maintained?			
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?		X	
9. Waste storage pond access fenced and properly marked?	X		
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?	X		
11. Solids managed to <u>prevent</u> plants growing on crust?		X	
12. Anaerobic lagoon is purple/pink?		X	
13. Actively bubbling?	X		
14. Inlet pipes submerged?	X		
15. Downwind odor from WSP is: <input type="checkbox"/> Strong <input type="checkbox"/> Unbearable			

COMMENTS:

LAGOON ID: 10030-2 Lat: Long:

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH		
4. Footprint - inside top - WIDTH		
5. Embankment - Inside SS	3:1	> 2H:1V
6. Embankment - Outside SS	4:1	> 2H:1V
7. Embankment – Top Width	8	
8. Embankment – Maximum Fill Height	12	
9. Maximum Excavation Depth	0	
10. Total POND Depth		
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input checked="" type="checkbox"/> NA		
12. Inlet type and location: Pipe, Flume, Scrape/slab, Overflow 'T', Other		
13. Outlet ramp slope and condition: none, earthen, gravel, concrete, other		
14. Pump/agitation site condition		
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: Farm Building, Homes, Roads, Water Coursed		
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		
18. Distance to nearest home/dwelling		
19. Distance to nearest water course		

COMMENTS:

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

(2) Description of structural modification: _____

(3) Describe impact of modification on structural integrity: _____

(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

AGID: 10030

FARM NAME: **NICK VAN DAM DAIRY**

Notes, drawings etc

DATE 11-29-11 STAFF CM FAC. SITE KEY 3469345 STATUS Active
 FARM NAME NICKNAN DAM DAIRY AG ID 10030
 FARM ADDRESS 11924 NE 67th Avenue near Arlington
 FARM CONTACT _____
 FARM CONTACT MAILING ADDRESS _____

OF LAGOONS MANAGED UNDER NMP 3 THIS LAGOON ID 10030-2 Home
 LONGITUDE -122.14148 LATITUDE 48.10292 NRS 95
 WSP IS TODAY NEARLY FULL NEARLY EMPTY ~~NRS 95~~ PICTURES TAKEN
 TODAY LIQUID LEVEL IS 10 FEET BELOW TOP OF EMBANKMENT OR SPILLWAY ELEVATION

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in COMMENTS section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?		✓	
b. In vicinity of waste inlet structure?		✓	
c. Due to erosion from rainfall?		✓	
d. Near agitation equipment access points?		✓	
2. Pond was constructed <u>without</u> a liner?		✓	
3. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA			
a. Erosion of liner material?		✓	
b. Damaged material (holes, tears, seams)?		✓	
c. Damage from pressure under liner (slumps, bulges, boils, whales)?		✓	
4. Signs of embankment damage?			
a. Due to burrowing animals?		✓	
b. Presence of trees or woody vegetation?		✓	
c. Presence of large weeds?	✓	✓	
d. Evidence of overtopping of embankment?		✓	
e. Evidence of soil erosion or gully on embankment?		✓	
f. Evidence of cracks in embankment soils?		✓	
g. Damp, soft, or slumping areas on berm?		✓	
h. Seepage near bottom of berm slope?		✓	
i. Seepage around pipes thru berm?		✓	

OPERATION AND MAINTENANCE

If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in the COMMENT section

SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?		✓	
a. Is liquid level marker visible?		✓	
b. Is storage capacity available for freeboard when pond is full?	✓		
2. Are manure pump and transfer pipes functioning?	✓		
3. Are recycling pumps and transfer pipes functioning?	✓		
4. Is pond overflow pipe/structure clear and unobstructed?	✓		
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?		✓	
6. All roof water or clean runoff is diverted from storage?	✓		
7. Diversions/waterways maintained?	✓		
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?	✓	✓	
9. Waste storage pond access fenced and properly marked?		✓	
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?		✓	
11. Solids managed to prevent plants growing on crust?	✓		
12. Anaerobic lagoon is purple/pink?		✓	
13. Actively bubbling?	✓	✓	
14. Inlet pipes submerged?	✓		
15. Downwind odor from WSP is: <input type="checkbox"/> None <input checked="" type="checkbox"/> Faint <input type="checkbox"/> Distinct <input type="checkbox"/> Strong <input type="checkbox"/> Unbearable			

Earthen Structural Review comments	Operations and Maintenance comments
	<p style="font-family: cursive;">Large weeds on bank Could not get a good look at bank. please have mowed for next lagoon use sound</p>

Spokane Wash

DATE 11-29 STAFF **CM** FAC. SITE KEY **3469345** STATUS **Active**

FARM NAME **NICK VAN DAM DAIRY** AG ID **10030**

FARM ADDRESS **11924 NE 67th Avenue near Arlington**

FARM CONTACT _____

FARM CONTACT MAILING ADDRESS _____

OF LAGOONS MANAGED UNDER NMP **3** THIS LAGOON ID **10030-1**

LONGITUDE **-122.14148** LATITUDE **48.10292**

WSP IS TODAY NEARLY FULL NEARLY EMPTY **NRCS 85?** PICTURES TAKEN

TODAY LIQUID LEVEL IS 5 FEET BELOW TOP OF EMBANKMENT OR SPILLWAY ELEVATION

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in COMMENTS section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?		✓	
b. In vicinity of waste inlet structure?		✓	
c. Due to erosion from rainfall?		✓	
d. Near agitation equipment access points?		✓	
2. Pond was constructed <u>without</u> a liner?	✓		
3. Circle liner type or NA: <input type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input checked="" type="checkbox"/> Other <input checked="" type="checkbox"/> NA			
a. Erosion of liner material?		✓	
b. Damaged material (holes, tears, seams)?		✓	
c. Damage from pressure under liner (slumps, bulges, boils, whales)?		✓	
4. Signs of embankment damage?		?	
a. Due to burrowing animals?	✓		
b. Presence of trees or woody vegetation?	✓		
c. Presence of large weeds?	✓	✓	
d. Evidence of overtopping of embankment?		✓	
e. Evidence of soil erosion or gully on embankment?		✓	
f. Evidence of cracks in embankment soils?		✓	
g. Damp, soft, or slumping areas on berm?		✓	
h. Seepage near bottom of berm slope?		✓	
i. Seepage around pipes thru berm?		✓	

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

____ YES ____ NO

C. Does it appear that the WSP been structurally modified?

____ YES ____ NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

(2) Description of structural modification: _____

(3) Describe impact of modification on structural integrity: _____

(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

AGID: 10030 FARM NAME: **NICK VAN DAM DAIRY**

Notes, drawings etc

AGID: 10030

FARM NAME: NICK VAN DAM DAIRY

LAGOON ID: 10030-1Lat:

Long:

OPERATION AND MAINTENANCE

If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in **REPORT** section

SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?			
a. Is liquid level marker visible?		X	
b. Is storage capacity available for freeboard when pond is full?			X
2. Are manure pump and transfer pipes functioning?	X		
3. Are recycling pumps and transfer pipes functioning?	X		
4. Is pond overflow pipe/structure clear and unobstructed?	X		
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			
6. All roof water or clean runoff is diverted from storage?	X		
7. Diversions/waterways maintained?			
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?		X	
9. Waste storage pond access fenced and properly marked?	X		
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?	X		
11. Solids managed to <u>prevent</u> plants growing on crust?	X		
12. Anaerobic lagoon is purple/pink?		X	
13. Actively bubbling?	X		
14. Inlet pipes submerged?		X	
15. Downwind odor from WSP is: <input type="checkbox"/> Strong <input checked="" type="checkbox"/> Unbearable			

COMMENTS:

LAGOON ID: 10030-1 Lat: Long:

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: DATE:

DATE ORIGINAL WASTE STORAGE POND COMPLETED:

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH		
4. Footprint - inside top - WIDTH		
5. Embankment - Inside SS	2:1	> 2H:1V
6. Embankment - Outside SS		> 2H:1V
7. Embankment – Top Width		
8. Embankment – Maximum Fill Height		
9. Maximum Excavation Depth		
10. Total POND Depth		
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input checked="" type="checkbox"/> NA		
12. Inlet type and location: Pipe, Flume, Scrape/slab, Overflow 'T', Other		
13. Outlet ramp slope and condition: none, earthen, gravel, concrete, other		
14. Pump/agitation site condition		
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: Farm Building, Homes, Roads, Water Coursed		
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		
18. Distance to nearest home/dwelling		
19. Distance to nearest water course		

COMMENTS:

A. Site inventory

LANDOWNER: **NICK VAN DAM**

AGID: **10030** FARM NAME: **NICK VAN DAM DAIRY**

LAGOON ID **10030-3** Lat: **48.10292** Long: **-122.14148**

Telephone Cell Work

FARM ADDRESS: 11924 NE 67TH AVENUE, ARLINGTON

REVIEW INVENTORY DATE: 5-1-12

MANURE/ EFFLUENT LEVEL: 80% %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 2 FT.

Completed by: _____ Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)

DATE: 5-1-12

WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: _____

600 Pt (w) Pitches

AGID: 10030 FARM NAME: NICK VAN DAM DAIRY

LAGOON ID 10030-3 Lat: 48.10292 Long: -122.14148

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?		✓	
b. In vicinity of waste inlet structure?		✓	
c. Due to erosion from rainfall?		✓	
d. Near agitation equipment access points?		✓	
2. Pond was constructed <u>without</u> a liner?		✓	
3. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA			
a. Erosion of liner material?		/	
b. Damaged material (holes, tears, seams)?		/	
c. Damage from pressure under liner (slumps, bulges, boils, whales)?		/	
4. Signs of embankment damage?		/	
a. Due to burrowing animals?		/	
b. Presence of trees or woody vegetation?	/		
c. Presence of large weeds?	/		
d. Evidence of overtopping of embankment?		/	
e. Evidence of soil erosion or gully on embankment?		/	
f. Evidence of cracks in embankment soils?		/	
g. Damp, soft, or slumping areas on berm?		u	
h. Seepage near bottom of berm slope?		/	
i. Seepage around pipes thru berm?		✓	

COMMENTS:

AGID: 10030 FARM NAME: NICK VAN DAM DAIRY

LAGOON ID 10030-3 Lat: 48.10292 Long: -122.14148

OPERATION AND MAINTENANCE			
If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in REPORT section			
SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?		/	
a. Is liquid level marker visible?		/	
b. Is storage capacity available for freeboard when pond is full?	/		
2. Are manure pump and transfer pipes functioning?	/		
3. Are recycling pumps and transfer pipes functioning?	/		
4. Is pond overflow pipe/structure clear and unobstructed?	/		
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			/
6. All roof water or clean runoff is diverted from storage?	/		
7. Diversions/waterways maintained?			/
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?		/	
9. Waste storage pond access fenced and properly marked?	/		
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?		/	
11. Solids managed to prevent plants growing on crust?	/		
12. Anaerobic lagoon is purple/pink?		/	
13. Actively bubbling?	/		
14. Inlet pipes submerged?		/	
15. Downwind odor from WSP is:	<input checked="" type="checkbox"/> None <input type="checkbox"/> Faint <input type="checkbox"/> Distinct <input type="checkbox"/> Strong <input type="checkbox"/> Unbearable		

COMMENTS:

AGID: 10030 FARM NAME: NICK VAN DAM DAIRY

LAGOON ID 10030-3 Lat: 48.10292 Long: -122.14148

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification ²⁴
1. Storage capacity at overflow, or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH		
3. Footprint - inside top - WIDTH		
4. Embankment - Inside SS		> 2H:1V
5. Embankment - Outside SS		> 2H:1V
6. Embankment – Top Width		
7. Embankment – Maximum Fill Height		
8. Maximum Excavation Depth		
9. Total POND Depth		
10. Liner type or soil amendment condition		
11. Inlet type location and condition		
12. Outlet ramp condition		
13. Pump/agitation site condition		

COMMENTS:

DOES IT APPEAR THAT THE WSP WAS DESIGNED BY NRCS OR MET THE NRCS DESIGN CRITERIA IN PLACE AT THE TIME IT WAS INSTALLED OR LAST MODIFIED?

_____ YES _____ NO

C. Does it appear that the WSP been structurally modified?

 YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME: NICK VAN DAM

(1) Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(2) Date of modification construction? _____

(3) Description of structural modification: _____

(4) Describe impact of modification on structural integrity: _____

(5) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

Notes, drawings etc

AGID: «AgID» FARM NAME: «Facility_Name»

LAGOON ID «Lagoon_ID»

Lat: «Latitude» Long: «Longitude»

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: 5-1-12

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

*Van Dam
Lencer
#3*

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification ¹
1. Storage capacity at overflow, or crest elevation if no spillway.	2 Ft Free 00%	Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH	240	
3. Footprint - inside top - WIDTH	214	
4. Embankment - Inside SS	Full 3:2	> 2H:1V
5. Embankment - Outside SS	3:2	> 2H:1V
6. Embankment - Top Width	9 Ft	
7. Embankment - Maximum Fill Height	12 + 2 Ft Bill	
8. Maximum Excavation Depth	0-	
9. Total POND Depth	10 Ft	
10. Liner type or soil amendment condition	Clay	
11. Inlet type location and condition	HP PVC above	
12. Outlet ramp condition	good	
13. Pump/agitation site condition	good	

COMMENTS:

*2 Ft above grade
blackberries - Small trees*

DOES IT APPEAR THAT THE WSP WAS DESIGNED BY NRCS OR MET THE NRCS DESIGN CRITERIA IN PLACE AT THE TIME IT WAS INSTALLED OR LAST MODIFIED?

____ YES ____ NO

NRCS 2002

A. Site inventory



LANDOWNER: _____

OPERATOR: NICK VAN DAM

AGID: **10030** FARM NAME: NICK VAN DAM DAIRY

LAGOON ID: 10030-3 Lat: _____ Long: _____

Phones: (425) 422-4437 Cell: (360) 653-3359

FARM ADDRESS: 11924 NE 67TH AVENUE ARLINGTON WA 98223

REVIEW INVENTORY DATE: 10/17/2012

MANURE/ EFFLUENT LEVEL: 20 %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 7 FT.

Completed by: DICK M Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)

DATE: _____

WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: 10/17/2012

214
240

Weather: Cloudy

Temperature: 50

Soil surface: dry, moist, wet, saturated, standing water, frozen, snow covered

213
185

AGID: 10030

FARM NAME: NICK VAN DAM DAIRY

LAGOON ID: 10030-3Lat:

Long:

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?		X	
b. In vicinity of waste inlet structure?		X	
c. Due to erosion from rainfall?		X	
d. Near agitation equipment access points?		X	
2. Pond was constructed <u>with</u> a liner?			
a. Erosion of liner material?			1
b. Damaged material (holes, tears, seams)?			
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
3. Signs of embankment damage?			
a. Due to burrowing animals?		X	
b. Presence of trees or woody vegetation?	X		
c. Presence of large weeds?		X	
d. Evidence of overtopping of embankment?		X	
e. Evidence of soil erosion or gully on embankment?		X	
f. Evidence of cracks in embankment soils?		X	
g. Damp, soft, or slumping areas on berm?		X	
h. Seepage near bottom of berm slope?		X	
i. Seepage around pipes thru berm?		X	

COMMENTS:

OUTSIDE (\$ completely)
BB's E

AGID: 10030

FARM NAME: NICK VAN DAM DAIRY

LAGOON ID: 10030-3Lat:

Long:

OPERATION AND MAINTENANCE			
If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in REPORT section			
SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?			
a. Is liquid level marker visible?		X	
b. Is storage capacity available for freeboard when pond is full?		X	
2. Are manure pump and transfer pipes functioning?	X		
3. Are recycling pumps and transfer pipes functioning?	X		
4. Is pond overflow pipe/structure clear and unobstructed?			X
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			
6. All roof water or clean runoff is diverted from storage?	X		
7. Diversions/waterways maintained?			
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?		X	
9. Waste storage pond access fenced and properly marked?	X		
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?	X		
11. Solids managed to <u>prevent</u> plants growing on crust?		X	
12. Anaerobic lagoon is purple/pink?		X	
13. Actively bubbling?	X		
14. Inlet pipes submerged?		X	
15. Downwind odor from WSP is: <input type="checkbox"/> Strong <input checked="" type="checkbox"/> Unbearable			

COMMENTS:

LAGOON ID: 10030-3

Lat:

Long:

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH		
4. Footprint - inside top - WIDTH		
5. Embankment - Inside SS	2:1	> 2H:1V
6. Embankment - Outside SS	3:1	> 2H:1V
7. Embankment - Top Width	12	
8. Embankment - Maximum Fill Height	12	
9. Maximum Excavation Depth	0	
10. Total POND Depth	12	
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input checked="" type="checkbox"/> NA		
12. Inlet type and location: Pipe, Flume, Scrape/slab, Overflow 'T', Other		
13. Outlet ramp slope and condition: none, earthen, gravel, concrete, other		
14. Pump/agitation site condition		
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: Farm Building, Homes, Roads, Water Coursed		
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		
18. Distance to nearest home/dwelling		
19. Distance to nearest water course		

COMMENTS:

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

(2) Description of structural modification: _____

(3) Describe impact of modification on structural integrity: _____

(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

AGID: 10030

FARM NAME: NICK VAN DAM DAIRY

Notes, drawings etc

DATE 4-25-12 STAFF **CM** FAC. SITE KEY **2546969** STATUS **Active**

FARM NAME **NORTH FORK DAIRY** AG ID **18**

FARM ADDRESS **15317 NE 300th Street near Arlington**

FARM CONTACT _____

FARM CONTACT MAILING ADDRESS _____

OF LAGOONS MANAGED UNDER NMP **1** THIS LAGOON ID **18-1**

1200 Ft River

LONGITUDE **-122.02079999999999**

LATITUDE **48.26823**

WSP IS TODAY NEARLY FULL NEARLY EMPTY

PICTURES TAKEN

TODAY LIQUID LEVEL IS 2 FEET BELOW TOP OF EMBANKMENT OR SPILLWAY ELEVATION

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in COMMENTS section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?			
b. In vicinity of waste inlet structure?			
c. Due to erosion from rainfall?			
d. Near agitation equipment access points?			
2. Pond was constructed <u>without</u> a liner?			
3. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA			
a. Erosion of liner material?			
b. Damaged material (holes, tears, seams)?			
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
4. Signs of embankment damage?			
a. Due to burrowing animals?			
b. Presence of trees or woody vegetation?			
c. Presence of large weeds?			
d. Evidence of overtopping of embankment?			
e. Evidence of soil erosion or gully on embankment?			
f. Evidence of cracks in embankment soils?			
g. Damp, soft, or slumping areas on berm?			
h. Seepage near bottom of berm slope?			
i. Seepage around pipes thru berm?			

AGID: «AgID» FARM NAME: «Facility_Name»

LAGOON ID «Lagoon_ID» Lat: «Latitude» Long: «Longitude»

B. Summarize review for structural data evaluation

Redbone (00Nhard)

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

Roberts

ORIGINAL WASTE STORAGE POND DESIGNER: Ray B DATE: 8-25-12

DATE ORIGINAL WASTE STORAGE POND COMPLETED: NRCS 2002

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification ¹
1. Storage capacity at overflow, or crest elevation if no spillway.	3.5 MG	Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH	250	
3. Footprint - inside top - WIDTH	250	
4. Embankment - Inside SS	3:2	> 2H:1V
5. Embankment - Outside SS	3:2	> 2H:1V
6. Embankment - Top Width	10 FT	
7. Embankment - Maximum Fill Height	6 FT	
8. Maximum Excavation Depth	7 FT	
9. Total POND Depth	13 FT	
10. Liner type or soil amendment condition	Clay	
11. Inlet type location and condition	Middle wet - bottom - soft nose	
12. Outlet ramp condition	good	
13. Pump/agitation site condition	good	

COMMENTS:

0090 R/L 2 FT
 * Fenced & Marked
 small holes good vent

DOES IT APPEAR THAT THE WSP WAS DESIGNED BY NRCS OR MET THE NRCS DESIGN CRITERIA IN PLACE AT THE TIME IT WAS INSTALLED OR LAST MODIFIED?

YES NO

Ray B.

NRCS 2002

A. Site inventory

LANDOWNER: _____

OPERATOR: Randy Peterson 360 435-5041

AGID: FARM NAME: North Fork Dairy

LAGOON ID: Lat: Long: 1B-1 Monty

Phones: Cell:

FARM ADDRESS: 15317 300th St NE Arlington 98223

REVIEW INVENTORY DATE: 10/18/2012

MANURE/ EFFLUENT LEVEL: 20 %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 6 FT.

Completed by: DIRK M. Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)

DATE: _____

WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: 10/18/2012

Weather: Cloudy

Temperature: 49

Soil surface: (dry) moist, wet, saturated, standing water, frozen, snow covered

AGID: FARM NAME:

LAGOON ID: Lat: Long:

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?		X	
b. In vicinity of waste inlet structure?		X	
c. Due to erosion from rainfall?		X	
d. Near agitation equipment access points?		X	
2. Pond was constructed <u>with</u> a liner?			
a. Erosion of liner material?			
b. Damaged material (holes, tears, seams)?			
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
3. Signs of embankment damage?			
a. Due to burrowing animals?		X	
b. Presence of trees or woody vegetation?		X	
c. Presence of large weeds?		X	
d. Evidence of overtopping of embankment?		X	
e. Evidence of soil erosion or gully on embankment?		X	
f. Evidence of cracks in embankment soils?		X	
g. Damp, soft, or slumping areas on berm?		X	
h. Seepage near bottom of berm slope?		X	
i. Seepage around pipes thru berm?		X	X

COMMENTS:

AGID:

FARM NAME:

LAGOON ID: Lat: Long:

OPERATION AND MAINTENANCE			
If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in REPORT section			
SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?			
a. Is liquid level marker visible?		X	
b. Is storage capacity available for freeboard when pond is full?		X	
2. Are manure pump and transfer pipes functioning?	X		
3. Are recycling pumps and transfer pipes functioning?		X	
4. Is pond overflow pipe/structure clear and unobstructed?		X	
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			
6. All roof water or clean runoff is diverted from storage?	X		
7. Diversions/waterways maintained?			
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?	X		
9. Waste storage pond access fenced and properly marked?	X		
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?	X		
11. Solids managed to <u>prevent</u> plants growing on crust?		X	
12. Anaerobic lagoon is purple/pink?		X	
13. Actively bubbling?	X		
14. Inlet pipes submerged?		X	
15. Downwind odor from WSP is:	<input type="checkbox"/> Strong	<input type="checkbox"/> Unbearable	

COMMENTS:

AGID: FARM NAME:

LAGOON ID: Lat: Long:

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH		
4. Footprint - inside top - WIDTH		
5. Embankment - Inside SS	3:1	> 2H:1V
6. Embankment - Outside SS	3:1	> 2H:1V
7. Embankment – Top Width	10	
8. Embankment – Maximum Fill Height	8	
9. Maximum Excavation Depth	0	
10. Total POND Depth	10	
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA		
12. Inlet type and location: Pipe, Flume, Scrape/slab, Overflow 'T', Other		
13. Outlet ramp slope and condition: none, earthen, gravel, concrete, other		
14. Pump/agitation site condition		
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: Farm Building, Homes, Roads, Water Coursed		
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		
18. Distance to nearest home/dwelling		
19. Distance to nearest water course		

COMMENTS:

AGID: FARM NAME:

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

(2) Description of structural modification: _____

(3) Describe impact of modification on structural integrity: _____

(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

AGID:

FARM NAME:

Notes, drawings etc

Venue

Tillman Dairy 10/15/12
 Jytsma Bros 10/16/12
 Purben Hutter 10/16/12
 Ridge Line Dairy 10/17/12
 Van Inge 10/18/12
 Trails Edge 10/18/12

268
 796
 8-9
 Full

7	8:10	05:18	21:55	0491	1640	1440	2100	2240	835	111
8	7	05:10	05:10	0491	1640	1440	2100	2240	835	111
9	7	05:10	05:10	0491	1640	1440	2100	2240	835	111
10	7:45	547	547	7:45	7:45	1935	1935	1935	1935	1935
11	7:45	547	547	7:45	7:45	1935	1935	1935	1935	1935
12	8:30	547	547	8:30	8:30	1935	1935	1935	1935	1935

A. Site inventory

WHATCOM-13

LANDOWNER: WAYNE GROEN

OPERATOR: WAYNE GROEN

ND 6

AGID: 2 FARM NAME: GROEN - NW LIQUID TRANSPORT

LAGOON ID: 2 - EAST Lat: 48.996395 Long: 122.50895

Phones: SEE #1 Cell:

FARM ADDRESS:

REVIEW INVENTORY DATE: 7-19-12

MANURE/ EFFLUENT LEVEL: 50 %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 5 FT.

Completed by: MICHAEL F Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)

DATE: 7-19

WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE:

Weather: SUN

Temperature: 70°

Soil surface: dry, moist, wet, saturated, standing water, frozen, snow covered

4/20/2000

2/1/01

RECEIVED
AUG 17 2012
WSDA
DAIRY NUTRIENT MANAGEMENT

AGID: FARM NAME:

LAGOON ID: Lat: Long:

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?		X	
a. Due to wave action?		↓	
b. In vicinity of waste inlet structure?			
c. Due to erosion from rainfall?			
d. Near agitation equipment access points?			X
2. Pond was constructed <u>with</u> a liner?			
a. Erosion of liner material?			X
b. Damaged material (holes, tears, seams)?			X
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			X
3. Signs of embankment damage?			
a. Due to burrowing animals?		X	
b. Presence of trees or woody vegetation?		X	
c. Presence of large weeds?		X	
d. Evidence of overtopping of embankment?		X	
e. Evidence of soil erosion or gully on embankment?		✓	
f. Evidence of cracks in embankment soils?		X	
g. Damp, soft, or slumping areas on berm?		X	
h. Seepage near bottom of berm slope?		X	
i. Seepage around pipes thru berm?		X	

NATIVE CLAY

COMMENTS:

AGID:

FARM NAME:

LAGOON ID:

Lat:

Long:

OPERATION AND MAINTENANCE

If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in **REPORT** section

SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?		X	
a. Is liquid level marker visible?		X	
b. Is storage capacity available for freeboard when pond is full?	X	X FLOWS OVER SW PUMP	
2. Are manure pump and transfer pipes functioning?	X		
3. Are recycling pumps and transfer pipes functioning?			X
4. Is pond overflow pipe/structure clear and unobstructed?	X		
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			X
6. All roof water or clean runoff is diverted from storage?			X
7. Diversions/waterways maintained?			X
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?	X		
9. Waste storage pond access fenced and properly marked?	FENCE		
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?		X	
11. Solids managed to <u>prevent</u> plants growing on crust?	X		
12. Anaerobic lagoon is purple/pink?		X	
13. Actively bubbling?		X	
14. Inlet pipes submerged?		X	
15. Downwind odor from WSP is:	Strong	Unbearable	

COMMENTS:

AGID: FARM NAME:

LAGOON ID: Lat: Long:

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: NRCS DATE: 2000 ~~1990~~

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.	2 million +	Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH	150 NS	
4. Footprint - inside top - WIDTH	190 EW	
5. Embankment - Inside SS	3:1	> 2H:1V
6. Embankment - Outside SS	4:1	> 2H:1V
7. Embankment - Top Width	12	
8. Embankment - Maximum Fill Height	6	
9. Maximum Excavation Depth	4	
10. Total POND Depth	10+	
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA		
12. Inlet type and location: Pipe, Flume, Scrape/slab, Overflow 'T', Other		
13. Outlet ramp slope and condition: none, earthen, gravel, <u>concrete</u> , other		
14. Pump/agitation site condition	GOOD	
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: Farm Building, Homes, Roads, <u>Water Coursed</u>		
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		NO
18. Distance to nearest home/dwelling		1300 + DOWNSTREAM
19. Distance to nearest water course		50 ft - to N

COMMENTS:

AGID:

FARM NAME:

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

(2) Description of structural modification: _____

(3) Describe impact of modification on structural integrity: _____

(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

AGID:

FARM NAME:

Notes, drawings etc

A. Site inventory

LANDOWNER: Wayne & Nicki Groen

OPERATOR: GROEN
ND6

1 Mi

AGID: FARM NAME: **Northwest Liquid Transport**

LAGOON ID STAKE 1 - W Lat: 48.99627 Long: 122.5093

Phones: 360-354-7409 Cell: 360-815-4600

FARM ADDRESS: 530 H Street, Lynden, WA 98264-9764

WHATCOM-13

REVIEW INVENTORY DATE: 7-19-12

MANURE/ EFFLUENT LEVEL: # 10 %

11 FT

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 10 FT.

7 FT

Completed by: MICHAEL I Agency DNMP/WSDA

80's

CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)

DATE: _____

WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: 7-19-12

NATIVE LINED

4:1 OUT

Weather: SUNNY

Temperature: 71°

Soil surface: dry, moist, wet, saturated, standing water, frozen, snow covered

RECEIVED

AUG 17 2012

WSDA
DAIRY NUTRIENT MANAGEMENT

AGID: FARM NAME: Northwest Liquid Transport

LAGOON ID: Lat: Long:

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?		X	
b. In vicinity of waste inlet structure? <i>MINOR</i>	X		
c. Due to erosion from rainfall?		X	
d. Near agitation equipment access points?		X	
2. Pond was constructed <u>with</u> a liner?	<i>CUM</i>		
a. Erosion of liner material?			X
b. Damaged material (holes, tears, seams)?			X
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			X
3. Signs of embankment damage?			
a. Due to burrowing animals?		X	
b. Presence of trees or woody vegetation?		X	
c. Presence of large weeds?		X	
d. Evidence of overtopping of embankment?		X	
e. Evidence of soil erosion or gully on embankment?		X	
f. Evidence of cracks in embankment soils?		X	
g. Damp, soft, or slumping areas on berm?		X	
h. Seepage near bottom of berm slope?		X	
i. Seepage around pipes thru berm?		X	

COMMENTS:

AGID: FARM NAME: Northwest Liquid Transport

LAGOON ID: Lat: Long:

OPERATION AND MAINTENANCE

If any boxes checked "NO"; make notes of location and identify O & M task to improve management in REPORT section

SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?		X	
a. Is liquid level marker visible?		X	
b. Is storage capacity available for freeboard when pond is full?	X		
2. Are manure pump and transfer pipes functioning?	X		
3. Are recycling pumps and transfer pipes functioning?			X
4. Is pond overflow pipe/structure clear and unobstructed?	X		
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			X
6. All roof water or clean runoff is diverted from storage?	X		
7. Diversions/waterways maintained?			X
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?	X		
9. Waste storage pond access fenced and properly marked?	FENCED		
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?		X	
11. Solids managed to prevent plants growing on crust?	X		
12. Anaerobic lagoon is purple/pink?	X		
13. Actively bubbling?		X	
14. Inlet pipes submerged?		X	
15. Downwind odor from WSP is:	Strong	Unbearable	

- FLOWS OUT DUMP ONTO CONCRETE DIRT

COMMENTS:

AGID: FARM NAME: Northwest Liquid Transport

LAGOON ID: Lat: Long:

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: NRCS DATE: 80's

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.	1,000,000	Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH	135	
4. Footprint - inside top - WIDTH	135	
5. Embankment - Inside SS	2:1	> 2H:1V
6. Embankment - Outside SS	4:1	> 2H:1V
7. Embankment - Top Width	6	
8. Embankment - Maximum Fill Height	10	
9. Maximum Excavation Depth	12	
10. Total POND Depth	12	
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA		
12. Inlet type and location: <input checked="" type="checkbox"/> Pipe, <input type="checkbox"/> Flume, <input type="checkbox"/> Scrape/slab, <input type="checkbox"/> Overflow 'T', <input type="checkbox"/> Other	PIPE IN RAMP + PVC PIPE	
13. Outlet ramp slope and condition: <input checked="" type="checkbox"/> none, <input type="checkbox"/> earthen, <input type="checkbox"/> gravel, <input type="checkbox"/> concrete, other	GOOD - concrete	
14. Pump/agitation site condition	2 RAMP - CONCRETE	
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: Farm Building, Homes, Roads, <input checked="" type="checkbox"/> Water Coursed		
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		NO
18. Distance to nearest home/dwelling		1000' +
19. Distance to nearest water course	OUTSIDE TOE	25'

COMMENTS:

AGID: FARM NAME: Northwest Liquid Transport

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

(2) Description of structural modification: _____

(3) Describe impact of modification on structural integrity: _____

(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

AGID: FARM NAME: Northwest Liquid Transport

Notes, drawings etc

A. Site inventory

Non-Dairy

Not home
left phone #
to call
talked to
wife.

LANDOWNER: RUPARD, SAM

OPERATOR: _____

AGID: 4543 FARM NAME: ALDER GROVE DAIRY

LAGOON ID Lat: Long:

Phones: Cell:

FARM ADDRESS: 17320 W SNOQUALMIE RIVER ROAD, DUVALL

REVIEW INVENTORY DATE: _____

MANURE/ EFFLUENT LEVEL: _____ %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: _____ FT.

Completed by: _____ Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)

DATE: _____

WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: _____

[Handwritten signature]

Weather: _____

Temperature: _____

Soil surface: dry, moist, wet, saturated, standing water, frozen, snow covered

AGID: 4543

FARM NAME: ALDER GROVE DAIRY

LAGOON ID:

Lat:

Long:

Complete inventory questions appropriate to structure, *if no embankment, as in a pit pond, show NA.*

EARTHEN STRUCTURAL REVIEW

If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in **REPORT** section.

SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?			
b. In vicinity of waste inlet structure?			
c. Due to erosion from rainfall?			
d. Near agitation equipment access points?			
2. Pond was constructed <u>with</u> a liner?			
a. Erosion of liner material?			
b. Damaged material (holes, tears, seams)?			
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
3. Signs of embankment damage?			
a. Due to burrowing animals?			
b. Presence of trees or woody vegetation?			
c. Presence of large weeds?			
d. Evidence of overtopping of embankment?			
e. Evidence of soil erosion or gully on embankment?			
f. Evidence of cracks in embankment soils?			
g. Damp, soft, or slumping areas on berm?			
h. Seepage near bottom of berm slope?			
i. Seepage around pipes thru berm?			

COMMENTS:

AGID: 4543

FARM NAME: ALDER GROVE DAIRY

LAGOON ID:

Lat:

Long:

OPERATION AND MAINTENANCE

If any boxes checked "NO"; make notes of location and identify O & M task to improve management in REPORT section

SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?			
a. Is liquid level marker visible?			
b. Is storage capacity available for freeboard when pond is full?			
2. Are manure pump and transfer pipes functioning?			
3. Are recycling pumps and transfer pipes functioning?			
4. Is pond overflow pipe/structure clear and unobstructed?			
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			
6. All roof water or clean runoff is diverted from storage?			
7. Diversions/waterways maintained?			
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?			
9. Waste storage pond access fenced and properly marked?			
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?			
11. Solids managed to <u>prevent</u> plants growing on crust?			
12. Anaerobic lagoon is purple/pink?			
13. Actively bubbling?			
14. Inlet pipes submerged?			
15. Downwind odor from WSP is: <input type="checkbox"/> Strong <input type="checkbox"/> Unbearable			

COMMENTS:

AGID: 4543

FARM NAME: ALDER GROVE DAIRY

LAGOON ID:

Lat:

Long:

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH		
4. Footprint - inside top - WIDTH		
5. Embankment - Inside SS		> 2H:1V
6. Embankment - Outside SS		> 2H:1V
7. Embankment – Top Width		
8. Embankment – Maximum Fill Height		
9. Maximum Excavation Depth		
10. Total POND Depth		
11. Circle liner type or NA: <input type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA		
12. Inlet type and location: Pipe, Flume, Scrape/slab, Overflow 'T', Other		
13. Outlet ramp slope and condition: none, earthen, gravel, concrete, other		
14. Pump/agitation site condition		
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: Farm Building, Homes, Roads, Water Coursed		
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		
18. Distance to nearest home/dwelling		
19. Distance to nearest water course		

COMMENTS:

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

(2) Description of structural modification: _____

(3) Describe impact of modification on structural integrity: _____

(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

AGID: 4543

FARM NAME: ALDER GROVE DAIRY

Notes, drawings etc

Site inventory

LANDOWNER: _____

OPERATOR: **ANNEMA, HENRY & TERRY**

AGID: **9185** FARM NAME: **ANNEMA DAIRY**

LAGOON ID _____ Lat: _____ Long: _____

Phones: Cell: _____ Work: _____

FARM ADDRESS: **22735 RHODES ROAD, SEDRO WOOLLEY, WA 98284**

REVIEW INVENTORY DATE: _____

MANURE/ EFFLUENT LEVEL: _____ %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: _____ FT.

Completed by: _____ Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)

DATE: _____

WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: _____

Weather: _____

Temperature: _____

Soil surface: dry, moist, wet, saturated, standing water, frozen, snow covered

*Neighbor bought Facility and
decommissioned lagoon.*

AGID: 9185 FARM NAME: ANNEMA DAIRY

LAGOON ID:

Lat:

Long:

Complete inventory questions appropriate to structure, *if no embankment, as in a pit pond, show NA.*

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?			
b. In vicinity of waste inlet structure?			
c. Due to erosion from rainfall?			
d. Near agitation equipment access points?			
2. Pond was constructed <u>with</u> a liner?			
a. Erosion of liner material?			
b. Damaged material (holes, tears, seams)?			
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
3. Signs of embankment damage?			
a. Due to burrowing animals?			
b. Presence of trees or woody vegetation?			
c. Presence of large weeds?			
d. Evidence of overtopping of embankment?			
e. Evidence of soil erosion or gully on embankment?			
f. Evidence of cracks in embankment soils?			
g. Damp, soft, or slumping areas on berm?			
h. Seepage near bottom of berm slope?			
i. Seepage around pipes thru berm?			

COMMENTS:

AGID: 9185 FARM NAME: ANNEMA DAIRY

LAGOON ID:

Lat:

Long:

OPERATION AND MAINTENANCE			
If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in REPORT section			
SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?			
a. Is liquid level marker visible?			
b. Is storage capacity available for freeboard when pond is full?			
2. Are manure pump and transfer pipes functioning?			
3. Are recycling pumps and transfer pipes functioning?			
4. Is pond overflow pipe/structure clear and unobstructed?			
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			
6. All roof water or clean runoff is diverted from storage?			
7. Diversions/waterways maintained?			
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?			
9. Waste storage pond access fenced and properly marked?			
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?			
11. Solids managed to <u>prevent</u> plants growing on crust?			
12. Anaerobic lagoon is purple/pink?			
13. Actively bubbling?			
14. Inlet pipes submerged?			
15. Downwind odor from WSP is: <input type="checkbox"/> Strong <input checked="" type="checkbox"/> Unbearable			

COMMENTS:

AGID: 9185 FARM NAME: ANNEMA DAIRY

B. LAGOON ID: _____ Lat: _____ Long: _____

C. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH		
4. Footprint - inside top - WIDTH		
5. Embankment - Inside SS		> 2H:1V
6. Embankment - Outside SS		> 2H:1V
7. Embankment – Top Width		
8. Embankment – Maximum Fill Height		
9. Maximum Excavation Depth		
10. Total POND Depth		
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA		
12. Inlet type and location: Pipe, Flume, Scrape/slab, Overflow 'T', Other		
13. Outlet ramp slope and condition: none, earthen, gravel, concrete, other		
14. Pump/agitation site condition		
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: Farm Building, Homes, Roads, Water Coursed		
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		
18. Distance to nearest home/dwelling		
19. Distance to nearest water course		

COMMENTS:

AGID: 9185 FARM NAME: ANNEMA DAIRY

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

D. Does it appear that the WSP been structurally modified?

YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME: ANNEMA DAIRY

(1) Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(2) Date of modification construction? _____

(3) Description of structural modification: _____

(4) Describe impact of modification on structural integrity: _____

(5) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

AGID: 9185 FARM NAME: ANNEMA DAIRY

Notes, drawings etc

A. Site inventory

LANDOWNER: Bailey, Clifford

OPERATOR: _____

AGID: T1 FARM NAME: **BAILAND FARM DAM**

LAGOON ID Lat: Long:

Phones: Cell:

FARM ADDRESS: **SPRINGHETTI ROAD, SNOHOMISH**

13019

REVIEW INVENTORY DATE: _____

MANURE/ EFFLUENT LEVEL: _____ %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: _____ FT.

Completed by: _____ Agency DNMP/WSDA

*No one available
topsoil /
Yard Waste
business*

CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)

DATE: _____

WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: _____

Weather: _____

Temperature: _____

Soil surface: dry, moist, wet, saturated, standing water, frozen, snow covered

AGID: T1 FARM NAME: BAILAND FARM DAM

LAGOON ID: Lat: Long:

Complete inventory questions appropriate to structure, *if no embankment, as in a pit pond, show NA.*

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?			
b. In vicinity of waste inlet structure?			
c. Due to erosion from rainfall?			
d. Near agitation equipment access points?			
2. Pond was constructed <u>with</u> a liner?			
a. Erosion of liner material?			
b. Damaged material (holes, tears, seams)?			
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
3. Signs of embankment damage?			
a. Due to burrowing animals?			
b. Presence of trees or woody vegetation?			
c. Presence of large weeds?			
d. Evidence of overtopping of embankment?			
e. Evidence of soil erosion or gully on embankment?			
f. Evidence of cracks in embankment soils?			
g. Damp, soft, or slumping areas on berm?			
h. Seepage near bottom of berm slope?			
i. Seepage around pipes thru berm?			

COMMENTS:

AGID: T1

FARM NAME: BAILAND FARM DAM

LAGOON ID:

Lat:

Long:

OPERATION AND MAINTENANCE

If any boxes checked "NO"; make notes of location and identify O & M task to improve management in **REPORT** section

SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?			
a. Is liquid level marker visible?			
b. Is storage capacity available for freeboard when pond is full?			
2. Are manure pump and transfer pipes functioning?			
3. Are recycling pumps and transfer pipes functioning?			
4. Is pond overflow pipe/structure clear and unobstructed?			
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			
6. All roof water or clean runoff is diverted from storage?			
7. Diversions/waterways maintained?			
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?			
9. Waste storage pond access fenced and properly marked?			
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?			
11. Solids managed to <u>prevent</u> plants growing on crust?			
12. Anaerobic lagoon is purple/pink?			
13. Actively bubbling?			
14. Inlet pipes submerged?			
15. Downwind odor from WSP is:	<input type="checkbox"/> Strong	<input type="checkbox"/> Unbearable	

COMMENTS:

AGID: T1 FARM NAME: BAILAND FARM DAM

LAGOON ID: Lat: Long:

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH		
4. Footprint - inside top - WIDTH		
5. Embankment - Inside SS		> 2H:1V
6. Embankment - Outside SS		> 2H:1V
7. Embankment – Top Width		
8. Embankment – Maximum Fill Height		
9. Maximum Excavation Depth		
10. Total POND Depth		
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA		
12. Inlet type and location: Pipe, Flume, Scrape/slab, Overflow 'T', Other		
13. Outlet ramp slope and condition: none, earthen, gravel, concrete, other		
14. Pump/agitation site condition		
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: Farm Building, Homes, Roads, Water Coursed		
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		
18. Distance to nearest home/dwelling		
19. Distance to nearest water course		

COMMENTS:

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

(2) Description of structural modification: _____

(3) Describe impact of modification on structural integrity: _____

(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

AGID: T1

FARM NAME: BAILAND FARM DAM

Notes, drawings etc

A. Site inventory

LANDOWNER: Barlund, Orin & Bette

OPERATOR: _____

*Dam Safety
inspection 23 yrs
ago. For
water rights*

AGID: T2 FARM NAME: BARLOND DAM

LAGOON ID Lat: Long:

Phones: Cell:

FARM ADDRESS: NE 204TH STREET, ARLINGTON

REVIEW INVENTORY DATE: _____

MANURE/ EFFLUENT LEVEL: _____ %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: _____ FT.

Completed by: _____ Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)

DATE: _____

WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: _____

Weather: _____

Temperature: _____

Soil surface: dry, moist, wet, saturated, standing water, frozen, snow covered

AGID: T2 FARM NAME: BARLOND DAM

LAGOON ID: Lat: Long:

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?			
b. In vicinity of waste inlet structure?			
c. Due to erosion from rainfall?			
d. Near agitation equipment access points?			
2. Pond was constructed <u>with</u> a liner?			
a. Erosion of liner material?			
b. Damaged material (holes, tears, seams)?			
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
3. Signs of embankment damage?			
a. Due to burrowing animals?			
b. Presence of trees or woody vegetation?			
c. Presence of large weeds?			
d. Evidence of overtopping of embankment?			
e. Evidence of soil erosion or gully on embankment?			
f. Evidence of cracks in embankment soils?			
g. Damp, soft, or slumping areas on berm?			
h. Seepage near bottom of berm slope?			
i. Seepage around pipes thru berm?			

COMMENTS:

AGID: T2

FARM NAME: BARLOND DAM

LAGOON ID:

Lat:

Long:

OPERATION AND MAINTENANCE

If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in **REPORT** section

SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?			
a. Is liquid level marker visible?			
b. Is storage capacity available for freeboard when pond is full?			
2. Are manure pump and transfer pipes functioning?			
3. Are recycling pumps and transfer pipes functioning?			
4. Is pond overflow pipe/structure clear and unobstructed?			
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			
6. All roof water or clean runoff is diverted from storage?			
7. Diversions/waterways maintained?			
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?			
9. Waste storage pond access fenced and properly marked?			
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?			
11. Solids managed to <u>prevent</u> plants growing on crust?			
12. Anaerobic lagoon is purple/pink?			
13. Actively bubbling?			
14. Inlet pipes submerged?			
15. Downwind odor from WSP is:	<input type="checkbox"/> Strong	<input type="checkbox"/> Unbearable	

COMMENTS:

AGID: T2 FARM NAME: BARLOND DAM

LAGOON ID: Lat: Long:

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH		
4. Footprint - inside top - WIDTH		
5. Embankment - Inside SS		> 2H:1V
6. Embankment - Outside SS		> 2H:1V
7. Embankment – Top Width		
8. Embankment – Maximum Fill Height		
9. Maximum Excavation Depth		
10. Total POND Depth		
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA		
12. Inlet type and location: Pipe, Flume, Scrape/slab, Overflow 'T', Other		
13. Outlet ramp slope and condition: none, earthen, gravel, concrete, other		
14. Pump/agitation site condition		
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: Farm Building, Homes, Roads, Water Coursed		
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		
18. Distance to nearest home/dwelling		
19. Distance to nearest water course		

COMMENTS:

AGID: T2

FARM NAME: BARLOND DAM

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO \Rightarrow If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

(2) Description of structural modification: _____

(3) Describe impact of modification on structural integrity: _____

(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

AGID: T2

FARM NAME: BARLOND DAM

Notes, drawings etc

A. Site inventory

LANDOWNER: ~~Thomas, Co-Owner, Marvin & Debra~~

Sold

Jensen Date?

OPERATOR: _____

*New topsoil
1st sold
6-8 yrs ago.*

AGID: T3 FARM NAME: BENNETT FARMS DAM (no file)

LAGOON ID Lat: Long:

Phones: Cell:

FARM ADDRESS: 7500 ~~7~~ LOWELL-LARIMER ROAD, SNOHOMISH

REVIEW INVENTORY DATE: _____

MANURE/ EFFLUENT LEVEL: _____ %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: _____ FT.

Completed by: _____ Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)

DATE: _____

WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: _____

Weather: _____

Temperature: _____

Soil surface: dry, moist, wet, saturated, standing water, frozen, snow covered

AGID: T3 FARM NAME: BENNETT FARMS DAM (no file)

LAGOON ID: Lat: Long:

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?			
b. In vicinity of waste inlet structure?			
c. Due to erosion from rainfall?			
d. Near agitation equipment access points?			
2. Pond was constructed <u>with</u> a liner?			
a. Erosion of liner material?			
b. Damaged material (holes, tears, seams)?			
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
3. Signs of embankment damage?			
a. Due to burrowing animals?			
b. Presence of trees or woody vegetation?			
c. Presence of large weeds?			
d. Evidence of overtopping of embankment?			
e. Evidence of soil erosion or gully on embankment?			
f. Evidence of cracks in embankment soils?			
g. Damp, soft, or slumping areas on berm?			
h. Seepage near bottom of berm slope?			
i. Seepage around pipes thru berm?			

COMMENTS:

AGID: T3
 FARM NAME: BENNETT FARMS DAM (no file)
 LAGOON ID: _____ Lat: _____ Long: _____

Handwritten notes:
 Lumpy Jensen
 Have farm plan
 Jensen
 15350
 9027B
 W. Vernon

Handwritten notes:
 used 60 rats
 Scryge as solids
 use for irrigation
 No more

OPERATION AND MAINTENANCE

If any boxes checked "NO"; make notes of location and identify O & M task to improve management in REPORT section

SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?			
a. Is liquid level marker visible?			
b. Is storage capacity available for freeboard when pond is full?			
2. Are manure pump and transfer pipes functioning?			
3. Are recycling pumps and transfer pipes functioning?			
4. Is pond overflow pipe/structure clear and unobstructed?			
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			
6. All roof water or clean runoff is diverted from storage?			
7. Diversions/waterways maintained?			
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?			
9. Waste storage pond access fenced and properly marked?			
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?			
11. Solids managed to <u>prevent</u> plants growing on crust?			
12. Anaerobic lagoon is purple/pink?			
13. Actively bubbling?			
14. Inlet pipes submerged?			
15. Downwind odor from WSP is:	<input type="checkbox"/> Strong	<input type="checkbox"/> Unbearable	

COMMENTS:

AGID: T3 FARM NAME: BENNETT FARMS DAM (no file)

LAGOON ID: Lat: Long:

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH		
4. Footprint - inside top - WIDTH		
5. Embankment - Inside SS		> 2H:1V
6. Embankment - Outside SS		> 2H:1V
7. Embankment – Top Width		
8. Embankment – Maximum Fill Height		
9. Maximum Excavation Depth		
10. Total POND Depth		
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA		
12. Inlet type and location: Pipe, Flume, Scrape/slab, Overflow 'T', Other		
13. Outlet ramp slope and condition: none, earthen, gravel, concrete, other		
14. Pump/agitation site condition		
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: Farm Building, Homes, Roads, Water Coursed		
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		
18. Distance to nearest home/dwelling		
19. Distance to nearest water course		

COMMENTS:

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

(2) Description of structural modification: _____

(3) Describe impact of modification on structural integrity: _____

(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

AGID: T3

FARM NAME: BENNETT FARMS DAM (no file)

Notes, drawings etc

A. Site inventory

LANDOWNER: Herbco International Corporation, Dave Lykins

OPERATOR: _____

AGID: 9924 FARM NAME: BENTHEM DAIRY

LAGOON ID Lat: Long:

Phones: Cell:

FARM ADDRESS: 15505 W SNOQUALMIE RIVER ROAD, DUVALL

REVIEW INVENTORY DATE: _____

MANURE/ EFFLUENT LEVEL: _____ %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: _____ FT.

Completed by: _____ Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:



WSP is FULL (Typically late winter or early spring)

DATE: _____



WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: _____

Not in use.

Weather: _____

Temperature: _____

Soil surface: dry, moist, wet, saturated, standing water, frozen, snow covered

~~_____~~
No manure
Not Using
Not interested
in decommission
Ted

AGID: 9924 FARM NAME: BENTHEM DAIRY

LAGOON ID: Lat: Long:

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?			
b. In vicinity of waste inlet structure?			
c. Due to erosion from rainfall?			
d. Near agitation equipment access points?			
2. Pond was constructed <u>with</u> a liner?			
a. Erosion of liner material?			
b. Damaged material (holes, tears, seams)?			
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
3. Signs of embankment damage?			
a. Due to burrowing animals?			
b. Presence of trees or woody vegetation?			
c. Presence of large weeds?			
d. Evidence of overtopping of embankment?			
e. Evidence of soil erosion or gully on embankment?			
f. Evidence of cracks in embankment soils?			
g. Damp, soft, or slumping areas on berm?			
h. Seepage near bottom of berm slope?			
i. Seepage around pipes thru berm?			

COMMENTS:

AGID: 9924

FARM NAME: BENTHEM DAIRY

LAGOON ID:

Lat:

Long:

OPERATION AND MAINTENANCE

If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in **REPORT** section

SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?			
a. Is liquid level marker visible?			
b. Is storage capacity available for freeboard when pond is full?			
2. Are manure pump and transfer pipes functioning?			
3. Are recycling pumps and transfer pipes functioning?			
4. Is pond overflow pipe/structure clear and unobstructed?			
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			
6. All roof water or clean runoff is diverted from storage?			
7. Diversions/waterways maintained?			
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?			
9. Waste storage pond access fenced and properly marked?			
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?			
11. Solids managed to <u>prevent</u> plants growing on crust?			
12. Anaerobic lagoon is purple/pink?			
13. Actively bubbling?			
14. Inlet pipes submerged?			
15. Downwind odor from WSP is: <input type="checkbox"/> Strong <input type="checkbox"/> Unbearable			

COMMENTS:

AGID: 9924

FARM NAME: BENTHEM DAIRY

LAGOON ID:

Lat:

Long:

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH		
4. Footprint - inside top - WIDTH		
5. Embankment - Inside SS		> 2H:1V
6. Embankment - Outside SS		> 2H:1V
7. Embankment – Top Width		
8. Embankment – Maximum Fill Height		
9. Maximum Excavation Depth		
10. Total POND Depth		
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA		
12. Inlet type and location: Pipe, Flume, Scrape/slab, Overflow 'T', Other		
13. Outlet ramp slope and condition: none, earthen, gravel, concrete, other		
14. Pump/agitation site condition		
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: Farm Building, Homes, Roads, Water Coursed		
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		
18. Distance to nearest home/dwelling		
19. Distance to nearest water course		

COMMENTS:

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO \Rightarrow If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

(2) Description of structural modification: _____

(3) Describe impact of modification on structural integrity: _____

(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

AGID: 9924

FARM NAME: BENTHEM DAIRY

Notes, drawings etc

A. Site inventory

LANDOWNER: _____, Camano Vu Dairy Farm

OPERATOR: _____ *Ted join*

AGID: **4875** FARM NAME: **CAMANO-VU DAIRY FARM**

LAGOON ID _____ Lat: _____ Long: _____

Phones: _____ Cell: _____

FARM ADDRESS: 7221 NORMAN ROAD, STANWOOD

REVIEW INVENTORY DATE: _____

MANURE/ EFFLUENT LEVEL: _____ %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: _____ FT.

Completed by: _____ Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)

DATE: _____

WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: _____

Weather: _____

Temperature: _____

Soil surface: dry, moist, wet, saturated, standing water, frozen, snow covered

*Can make it.
Renton to
Boon still
active still
manure w/
NRCs
8-15-12*

AGID: 4875 FARM NAME: CAMANO-VU DAIRY FARM

LAGOON ID: Lat: Long:

Complete inventory questions appropriate to structure, *if no embankment, as in a pit pond, show NA.*

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?			
b. In vicinity of waste inlet structure?			
c. Due to erosion from rainfall?			
d. Near agitation equipment access points?			
2. Pond was constructed <u>with</u> a liner?			
a. Erosion of liner material?			
b. Damaged material (holes, tears, seams)?			
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
3. Signs of embankment damage?			
a. Due to burrowing animals?			
b. Presence of trees or woody vegetation?			
c. Presence of large weeds?			
d. Evidence of overtopping of embankment?			
e. Evidence of soil erosion or gully on embankment?			
f. Evidence of cracks in embankment soils?			
g. Damp, soft, or slumping areas on berm?			
h. Seepage near bottom of berm slope?			
i. Seepage around pipes thru berm?			

COMMENTS:

AGID: 4875

FARM NAME: CAMANO-VU DAIRY FARM

LAGOON ID:

Lat:

Long:

OPERATION AND MAINTENANCE

If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in **REPORT** section

SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?			
a. Is liquid level marker visible?			
b. Is storage capacity available for freeboard when pond is full?			
2. Are manure pump and transfer pipes functioning?			
3. Are recycling pumps and transfer pipes functioning?			
4. Is pond overflow pipe/structure clear and unobstructed?			
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			
6. All roof water or clean runoff is diverted from storage?			
7. Diversions/waterways maintained?			
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?			
9. Waste storage pond access fenced and properly marked?			
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?			
11. Solids managed to prevent plants growing on crust?			
12. Anaerobic lagoon is purple/pink?			
13. Actively bubbling?			
14. Inlet pipes submerged?			
15. Downwind odor from WSP is: <input type="checkbox"/> Strong <input type="checkbox"/> Unbearable			

COMMENTS:

AGID: 4875

FARM NAME: CAMANO-VU DAIRY FARM

LAGOON ID:

Lat:

Long:

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH		
4. Footprint - inside top - WIDTH		
5. Embankment - Inside SS		> 2H:1V
6. Embankment - Outside SS		> 2H:1V
7. Embankment – Top Width		
8. Embankment – Maximum Fill Height		
9. Maximum Excavation Depth		
10. Total POND Depth		
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA		
12. Inlet type and location: Pipe, Flume, Scrape/slab, Overflow 'T', Other		
13. Outlet ramp slope and condition: none, earthen, gravel, concrete, other		
14. Pump/agitation site condition		
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: Farm Building, Homes, Roads, Water Coursed		
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		
18. Distance to nearest home/dwelling		
19. Distance to nearest water course		

COMMENTS:

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO \Rightarrow If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

(2) Description of structural modification: _____

(3) Describe impact of modification on structural integrity: _____

(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

AGID: 4875

FARM NAME: CAMANO-VU DAIRY FARM

Notes, drawings etc

A. Site inventory

LANDOWNER: Pemberton, Ernst

OPERATOR: Battleheimer 1/2 owner

~~AGID~~ send report

Dan Battleheimer - 7230 89th Ave SE
Snohomish, 98290

AGID: 9370 FARM NAME: DARLINGTON FARMS

LAGOON ID Lat: Long:

Phones: Cell:

FARM ADDRESS: 11126 OLD SNOHOMISH-MONROE ROAD, SNOHOMISH

REVIEW INVENTORY DATE: 7-23-12

MANURE/ EFFLUENT LEVEL: 50% 50%

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: _____ FT.

Completed by: _____ Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)

DATE: _____

WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: _____

NRES Met 9/8/12

Weather: Sunny

Temperature: 70's

Soil surface: dry, moist, wet, saturated, standing water, frozen, snow covered

AGID: 9370

FARM NAME: DARLINGTON FARMS

LAGOON ID:

Lat:

Long:

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW

If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in **REPORT** section.

SITE INVENTORY QUESTION	#1 YES	#2 NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
b. In vicinity of waste inlet structure?		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
c. Due to erosion from rainfall?		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
d. Near agitation equipment access points?		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2. Pond was constructed <u>with</u> a liner?		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
a. Erosion of liner material?		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
b. Damaged material (holes, tears, seams)?		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
c. Damage from pressure under liner (slumps, bulges, boils, whales)?		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3. Signs of embankment damage?		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
a. Due to burrowing animals?		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
b. Presence of trees or woody vegetation?		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
c. Presence of large weeds?		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
d. Evidence of overtopping of embankment?		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
e. Evidence of soil erosion or gully on embankment?		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
f. Evidence of cracks in embankment soils?		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
g. Damp, soft, or slumping areas on berm?		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
h. Seepage near bottom of berm slope?		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
i. Seepage around pipes thru berm?		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

COMMENTS:

AGID: 9370

FARM NAME: DARLINGTON FARMS

LAGOON ID:

Lat:

Long:

OPERATION AND MAINTENANCE

If any boxes checked "NO"; make notes of location and identify O & M task to improve management in **REPORT** section

SITE INVENTORY QUESTION	1 YES	2 NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?		✓	✓
a. Is liquid level marker visible?		✓	✓
b. Is storage capacity available for freeboard when pond is full?	✓	✓	
2. Are manure pump and transfer pipes functioning?	✓	✓	
3. Are recycling pumps and transfer pipes functioning?	✓	✓	
4. Is pond overflow pipe/structure clear and unobstructed?	✓	✓	
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?		✓	✓
6. All roof water or clean runoff is diverted from storage?		✓	✓
7. Diversions/waterways maintained?	✓	✓	
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?	✓	✓	
9. Waste storage pond access fenced and properly marked?	✓	✓	
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?		✓	✓
11. Solids managed to prevent plants growing on crust?		✓	✓
12. Anaerobic lagoon is purple/pink?		✓	✓
13. Actively bubbling?	✓	✓	
14. Inlet pipes submerged?	✓	✓	
15. Downwind odor from WSP is:	<input checked="" type="checkbox"/> Strong <input type="checkbox"/> Unbearable		

COMMENTS:

None

AGID: 9370

FARM NAME: DARLINGTON FARMS

LAGOON ID:

Lat:

Long:

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.	Same size? No idea.	Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH	200	
4. Footprint - inside top - WIDTH	X 100	
5. Embankment - Inside SS	3:1 3:1	> 2H:1V
6. Embankment - Outside SS	3:2 3:2	> 2H:1V
7. Embankment - Top Width	12 FT 12 FT	
8. Embankment - Maximum Fill Height	8 FT	
9. Maximum Excavation Depth	7	
10. Total POND Depth	7	
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA	7	
12. Inlet type and location: <input checked="" type="checkbox"/> Pipe <input type="checkbox"/> Flume, <input type="checkbox"/> Scrape/slab, <input type="checkbox"/> Overflow <input type="checkbox"/> Other		
13. Outlet ramp slope and condition: none, earthen, gravel, <input checked="" type="checkbox"/> concrete, other		
14. Pump/agitation site condition	good	
15. Distance to nearest well/water depth in well in feet	600 ft	
16. Failure impacts: Farm Building, Homes, Roads, <input checked="" type="checkbox"/> Water Coursed		French CK
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		No
18. Distance to nearest home/dwelling	1/2 mile	will not drain to
19. Distance to nearest water course	100 ft	French open

COMMENTS:

Synchronous 50 ft back berm

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

(2) Description of structural modification: _____

(3) Describe impact of modification on structural integrity: _____

(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

Notes, drawings etc

upright tank collecting rain water from barns.

NKCS
90'S

N. Half is pemperon Farms
~~the~~ old lagoon now duck
pond & fish pond.

A. Site inventory

LANDOWNER: Dejong, Pauline

OPERATOR: _____

AGID: T6 FARM NAME: DEJONG

LAGOON ID _____ Lat: _____ Long: _____

Phones: _____ Cell: _____

FARM ADDRESS: 23430 HIGH BRIDGE ROAD, MONROE

REVIEW INVENTORY DATE: _____

MANURE/ EFFLUENT LEVEL: _____ %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: _____ FT.

Completed by: _____ Agency DNMP/WSDA

*Abandoned
NO ~~any~~ animals
lots of blackberries
mostly gone*

CHECK REVIEW CONDITION BELOW:



WSP is FULL (Typically late winter or early spring)

DATE: _____



WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: _____

Weather: _____

Temperature: _____

Soil surface: dry, moist, wet, saturated, standing water, frozen, snow covered

AGID: T6 FARM NAME: DEJONG

LAGOON ID: Lat: Long:

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?			
b. In vicinity of waste inlet structure?			
c. Due to erosion from rainfall?			
d. Near agitation equipment access points?			
2. Pond was constructed <u>with</u> a liner?			
a. Erosion of liner material?			
b. Damaged material (holes, tears, seams)?			
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
3. Signs of embankment damage?			
a. Due to burrowing animals?			
b. Presence of trees or woody vegetation?			
c. Presence of large weeds?			
d. Evidence of overtopping of embankment?			
e. Evidence of soil erosion or gully on embankment?			
f. Evidence of cracks in embankment soils?			
g. Damp, soft, or slumping areas on berm?			
h. Seepage near bottom of berm slope?			
i. Seepage around pipes thru berm?			

COMMENTS:

AGID: T6

FARM NAME: DEJONG

LAGOON ID:

Lat:

Long:

OPERATION AND MAINTENANCE

If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in **REPORT** section

SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?			
a. Is liquid level marker visible?			
b. Is storage capacity available for freeboard when pond is full?			
2. Are manure pump and transfer pipes functioning?			
3. Are recycling pumps and transfer pipes functioning?			
4. Is pond overflow pipe/structure clear and unobstructed?			
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			
6. All roof water or clean runoff is diverted from storage?			
7. Diversions/waterways maintained?			
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?			
9. Waste storage pond access fenced and properly marked?			
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?			
11. Solids managed to <u>prevent</u> plants growing on crust?			
12. Anaerobic lagoon is purple/pink?			
13. Actively bubbling?			
14. Inlet pipes submerged?			
15. Downwind odor from WSP is: <input type="checkbox"/> Strong <input type="checkbox"/> Unbearable			

COMMENTS:

AGID: T6 FARM NAME: DEJONG

LAGOON ID: Lat: Long:

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH		
4. Footprint - inside top - WIDTH		
5. Embankment - Inside SS		> 2H:1V
6. Embankment - Outside SS		> 2H:1V
7. Embankment – Top Width		
8. Embankment – Maximum Fill Height		
9. Maximum Excavation Depth		
10. Total POND Depth		
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA		
12. Inlet type and location: Pipe, Flume, Scrape/slab, Overflow 'T', Other		
13. Outlet ramp slope and condition: none, earthen, gravel, concrete, other		
14. Pump/agitation site condition		
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: Farm Building, Homes, Roads, Water Coursed		
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		
18. Distance to nearest home/dwelling		
19. Distance to nearest water course		

COMMENTS:

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO \Rightarrow If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

(2) Description of structural modification: _____

(3) Describe impact of modification on structural integrity: _____

(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

AGID: T6

FARM NAME: DEJONG

Notes, drawings etc

A. Site inventory

LANDOWNER: _____

OPERATOR: _____

Pacific topsoil

*Kathy
425-337-2708*

AGID: T7

Sally Dave passed

FARM NAME: ~~FORMAN-GRAVEN-DAM~~

2nd

LAGOON ID

Lat:

Long:

Phones:

Cell:

FARM ADDRESS: 7000 LOWELL-LARIMER ROAD, SNOHOMISH

REVIEW INVENTORY DATE: _____

MANURE/ EFFLUENT LEVEL: _____ %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: _____ FT.

Completed by: _____ Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)

DATE: _____

WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: _____

Weather: _____

Temperature: _____

Soil surface: dry, moist, wet, saturated, standing water, frozen, snow covered

AGID: T7 FARM NAME: FORMAN-CRAVEN DAM

LAGOON ID: _____ Lat: _____ Long: _____

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?			
b. In vicinity of waste inlet structure?			
c. Due to erosion from rainfall?			
d. Near agitation equipment access points?			
2. Pond was constructed <u>with</u> a liner?			
a. Erosion of liner material?			
b. Damaged material (holes, tears, seams)?			
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
3. Signs of embankment damage?			
a. Due to burrowing animals?			
b. Presence of trees or woody vegetation?			
c. Presence of large weeds?			
d. Evidence of overtopping of embankment?			
e. Evidence of soil erosion or gully on embankment?			
f. Evidence of cracks in embankment soils?			
g. Damp, soft, or slumping areas on berm?			
h. Seepage near bottom of berm slope?			
i. Seepage around pipes thru berm?			

COMMENTS:

AGID: T7

FARM NAME: FORMAN-CRAVEN DAM

LAGOON ID:

Lat:

Long:

OPERATION AND MAINTENANCE

If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in REPORT section

SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?			
a. Is liquid level marker visible?			
b. Is storage capacity available for freeboard when pond is full?			
2. Are manure pump and transfer pipes functioning?			
3. Are recycling pumps and transfer pipes functioning?			
4. Is pond overflow pipe/structure clear and unobstructed?			
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			
6. All roof water or clean runoff is diverted from storage?			
7. Diversions/waterways maintained?			
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?			
9. Waste storage pond access fenced and properly marked?			
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?			
11. Solids managed to prevent plants growing on crust?			
12. Anaerobic lagoon is purple/pink?			
13. Actively bubbling?			
14. Inlet pipes submerged?			
15. Downwind odor from WSP is: <input type="checkbox"/> Strong <input type="checkbox"/> Unbearable			

COMMENTS:

AGID: T7 FARM NAME: FORMAN-CRAVEN DAM

LAGOON ID: Lat: Long:

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH		
4. Footprint - inside top - WIDTH		
5. Embankment - Inside SS		> 2H:1V
6. Embankment - Outside SS		> 2H:1V
7. Embankment – Top Width		
8. Embankment – Maximum Fill Height		
9. Maximum Excavation Depth		
10. Total POND Depth		
11. Circle liner type or NA: <input type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA		
12. Inlet type and location: Pipe, Flume, Scrape/slab, Overflow 'T', Other		
13. Outlet ramp slope and condition: none, earthen, gravel, concrete, other		
14. Pump/agitation site condition		
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: Farm Building, Homes, Roads, Water Coursed		
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		
18. Distance to nearest home/dwelling		
19. Distance to nearest water course		

COMMENTS:

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO \Rightarrow If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

(2) Description of structural modification: _____

(3) Describe impact of modification on structural integrity: _____

(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

AGID: T7

FARM NAME: FORMAN-CRAVEN DAM

Notes, drawings etc

A. Site inventory

LANDOWNER: Bank owned

OPERATOR:

AGID: FARM NAME: Gary Strawder 7-26-12

LAGOON ID Lat: Long:

Phones: Cell: «Operator_PhoneCell» Work: «Operator_PhoneHome»

FARM ADDRESS:

REVIEW INVENTORY DATE: _____

MANURE/ EFFLUENT LEVEL: 50% %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: _____ FT.

Completed by: _____ Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)

DATE: _____

*Built 99, 2000
NRCS*

WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: _____

Weather: Sunny

Temperature: 70's

Soil surface: dry, moist, wet, saturated, standing water, frozen, snow covered

*Andrew Albert Using land
deal ~~can~~ can use land if
pumps lagoon.*

AGID: FARM NAME:

LAGOON ID: Lat: Long:

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?		✓	
a. Due to wave action?		✓	
b. In vicinity of waste inlet structure?		✓	
c. Due to erosion from rainfall?		✓	
d. Near agitation equipment access points?		✓	
2. Pond was constructed <u>with</u> a liner?			✓
a. Erosion of liner material?		✓	
b. Damaged material (holes, tears, seams)?		✓	
c. Damage from pressure under liner (slumps, bulges, boils, whales)?		✓	
3. Signs of embankment damage?			
a. Due to burrowing animals?		✓	
b. Presence of trees or woody vegetation?		✓	
c. Presence of large weeds?	(lots of grass)		4' Fall
d. Evidence of overtopping of embankment?		✓	
e. Evidence of soil erosion or gully on embankment?		✓	
f. Evidence of cracks in embankment soils?		✓	
g. Damp, soft, or slumping areas on berm?		✓	
h. Seepage near bottom of berm slope?		✓	
i. Seepage around pipes thru berm?		✓	

COMMENTS:

AGID: FARM NAME

LAGOON ID:

Lat:

Long:

OPERATION AND MAINTENANCE

If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in **REPORT** section

SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?		✓	
a. Is liquid level marker visible?		✓	
b. Is storage capacity available for freeboard when pond is full?	✓		
2. Are manure pump and transfer pipes functioning?			✓
3. Are recycling pumps and transfer pipes functioning?			✓
4. Is pond overflow pipe/structure clear and unobstructed?			✓
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			✓
6. All roof water or clean runoff is diverted from storage?			✓
7. Diversions/waterways maintained?			✓
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?		✓	
9. Waste storage pond access fenced and properly marked?		✓	
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?		✓	
11. Solids managed to <u>prevent</u> plants growing on crust?			✓
12. Anaerobic lagoon is purple/pink?			✓
13. Actively bubbling?	✓		
14. Inlet pipes submerged?		✓	
15. Downwind odor from WSP is: <input type="checkbox"/> Strong <input type="checkbox"/> Unbearable			

COMMENTS:

Waste pond ~~has~~ not in use since
July 10

AGID: «Farm_AGID» FARM NAME: «Farm_Name»

B. LAGOON ID: _____ Lat: _____ Long: _____

C. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH	200	
4. Footprint - inside top - WIDTH	200	
5. Embankment - Inside SS	3:2	> 2H:1V
6. Embankment - Outside SS	3:2	> 2H:1V
7. Embankment - Top Width	12 FT	
8. Embankment - Maximum Fill Height	6	
9. Maximum Excavation Depth	2	
10. Total POND Depth	8	
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA	Compacted clay	
12. Inlet type and location: Pipe, Flume, Scrape/slab, Overflow 'T', Other	Soft hose	
13. Outlet ramp slope and condition: none, earthen, gravel, concrete, other		
14. Pump/agitation site condition	good	500
15. Distance to nearest well/water depth in well in feet	300	300-400 ft near hole
16. Failure impacts: Farm Building, Homes, Roads, Water Coursed		
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		NO
18. Distance to nearest home/dwelling		500 FT
19. Distance to nearest water course		1000 FT - Berm

COMMENTS:

Built in 2000 w/ NRCS SAILI

AGID: FARM NAME

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

D. Does it appear that the WSP been structurally modified?

YES NO ➔ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

(2) Description of structural modification: _____

(3) Describe impact of modification on structural integrity: _____

(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

AGID: FARM NAME:

Notes, drawings etc

A. Site inventory

LANDOWNER: _____

OPERATOR: **HANSEN, HERB**

AGID: **4764** FARM NAME: **HANSEN DAIRY**

LAGOON ID _____ Lat: _____ Long: _____

Phones: Cell: _____ Work: 3608263255

FARM ADDRESS: **33399 SNIDER ROAD, SEDRO WOOLLEY, WA 98284**

REVIEW INVENTORY DATE: _____

MANURE/ EFFLUENT LEVEL: _____ %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: _____ FT.

Completed by: _____ Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:



WSP is FULL (Typically late winter or early spring)

DATE: _____



WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: _____

Weather: _____

Temperature: _____

Soil surface: dry, moist, wet, saturated, standing water, frozen, snow covered

Refused Access

AGID: 4764 FARM NAME: HANSEN DAIRY

LAGOON ID:

Lat:

Long:

Complete inventory questions appropriate to structure, *if no embankment, as in a pit pond, show NA.*

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?			
b. In vicinity of waste inlet structure?			
c. Due to erosion from rainfall?			
d. Near agitation equipment access points?			
2. Pond was constructed <u>with</u> a liner?			
a. Erosion of liner material?			
b. Damaged material (holes, tears, seams)?			
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
3. Signs of embankment damage?			
a. Due to burrowing animals?			
b. Presence of trees or woody vegetation?			
c. Presence of large weeds?			
d. Evidence of overtopping of embankment?			
e. Evidence of soil erosion or gully on embankment?			
f. Evidence of cracks in embankment soils?			
g. Damp, soft, or slumping areas on berm?			
h. Seepage near bottom of berm slope?			
i. Seepage around pipes thru berm?			

COMMENTS:

AGID: 4764 FARM NAME: HANSEN DAIRY

LAGOON ID: Lat: Long:

OPERATION AND MAINTENANCE			
If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in REPORT section			
SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?			
a. Is liquid level marker visible?			
b. Is storage capacity available for freeboard when pond is full?			
2. Are manure pump and transfer pipes functioning?			
3. Are recycling pumps and transfer pipes functioning?			
4. Is pond overflow pipe/structure clear and unobstructed?			
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			
6. All roof water or clean runoff is diverted from storage?			
7. Diversions/waterways maintained?			
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?			
9. Waste storage pond access fenced and properly marked?			
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?			
11. Solids managed to prevent plants growing on crust?			
12. Anaerobic lagoon is purple/pink?			
13. Actively bubbling?			
14. Inlet pipes submerged?			
15. Downwind odor from WSP is: <input type="text" value="Strong"/> <input type="text" value="Unbearable"/>			

COMMENTS:

B. LAGOON ID: _____ Lat: _____ Long: _____

C. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH		
4. Footprint - inside top - WIDTH		
5. Embankment - Inside SS		> 2H:1V
6. Embankment - Outside SS		> 2H:1V
7. Embankment – Top Width		
8. Embankment – Maximum Fill Height		
9. Maximum Excavation Depth		
10. Total POND Depth		
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA		
12. Inlet type and location: Pipe, Flume, Scrape/slab, Overflow 'T', Other		
13. Outlet ramp slope and condition: none, earthen, gravel, concrete, other		
14. Pump/agitation site condition		
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: Farm Building, Homes, Roads, Water Coursed		
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		
18. Distance to nearest home/dwelling		
19. Distance to nearest water course		

COMMENTS:

AGID: 4764 FARM NAME: HANSEN DAIRY

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

D. Does it appear that the WSP been structurally modified?

YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME: HANSEN DAIRY

(1) Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(2) Date of modification construction? _____

(3) Description of structural modification: _____

(4) Describe impact of modification on structural integrity: _____

(5) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

AGID: 4764 FARM NAME: HANSEN DAIRY

Notes, drawings etc

A. Site inventory

LANDOWNER: _____

11:00

OPERATOR: **PLYMALE, WILLIAM**

Trisha

AGID: **2155** FARM NAME: **HIGHLAND CREST FARM**

LAGOON ID _____ Lat: _____ Long: _____

Phones: Cell: _____ Work: _____

FARM ADDRESS: **27279 BURMASTER ROAD, SEDRO WOOLLEY, WA 98284**

REVIEW INVENTORY DATE: _____

MANURE/ EFFLUENT LEVEL: _____ %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: _____ FT.

Completed by: _____ Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)

DATE: _____

WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: _____

Weather: *Beef cattle*

Not using lagoon-dry storage.

Not interested in evaluation

Temperature: _____

Soil surface: dry, moist, wet, saturated, standing water, frozen, snow covered

Told if use lagoon again to contact CD to see how stable it is.

Not interested in decommission

No liquid storage - using solids

AGID: 2155 FARM NAME: HIGHLAND CREST FARM

LAGOON ID: Lat: Long:

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?			
b. In vicinity of waste inlet structure?			
c. Due to erosion from rainfall?			
d. Near agitation equipment access points?			
2. Pond was constructed <u>with</u> a liner?			
a. Erosion of liner material?			
b. Damaged material (holes, tears, seams)?			
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
3. Signs of embankment damage?			
a. Due to burrowing animals?			
b. Presence of trees or woody vegetation?			
c. Presence of large weeds?			
d. Evidence of overtopping of embankment?			
e. Evidence of soil erosion or gully on embankment?			
f. Evidence of cracks in embankment soils?			
g. Damp, soft, or slumping areas on berm?			
h. Seepage near bottom of berm slope?			
i. Seepage around pipes thru berm?			

COMMENTS:

AGID: 2155 FARM NAME: HIGHLAND CREST FARM

LAGOON ID: Lat: Long:

OPERATION AND MAINTENANCE			
If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in REPORT section			
SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?			
a. Is liquid level marker visible?			
b. Is storage capacity available for freeboard when pond is full?			
2. Are manure pump and transfer pipes functioning?			
3. Are recycling pumps and transfer pipes functioning?			
4. Is pond overflow pipe/structure clear and unobstructed?			
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			
6. All roof water or clean runoff is diverted from storage?			
7. Diversions/waterways maintained?			
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?			
9. Waste storage pond access fenced and properly marked?			
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?			
11. Solids managed to <u>prevent</u> plants growing on crust?			
12. Anaerobic lagoon is purple/pink?			
13. Actively bubbling?			
14. Inlet pipes submerged?			
15. Downwind odor from WSP is: <input type="checkbox"/> Strong <input type="checkbox"/> Unbearable			

COMMENTS:

AGID: 2155 FARM NAME: HIGHLAND CREST FARM

B. LAGOON ID: _____ Lat: _____ Long: _____

C. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH		
4. Footprint - inside top - WIDTH		
5. Embankment - Inside SS		> 2H:1V
6. Embankment - Outside SS		> 2H:1V
7. Embankment – Top Width		
8. Embankment – Maximum Fill Height		
9. Maximum Excavation Depth		
10. Total POND Depth		
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA		
12. Inlet type and location: Pipe, Flume, Scrape/slab, Overflow 'T', Other		
13. Outlet ramp slope and condition: none, earthen, gravel, concrete, other		
14. Pump/agitation site condition		
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: Farm Building, Homes, Roads, Water Coursed		
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		
18. Distance to nearest home/dwelling		
19. Distance to nearest water course		

COMMENTS:

AGID: 2155 FARM NAME: HIGHLAND CREST FARM

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

D. Does it appear that the WSP been structurally modified?

YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME: HIGHLAND CREST FARM

(1) Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(2) Date of modification construction? _____

(3) Description of structural modification: _____

(4) Describe impact of modification on structural integrity: _____

(5) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

AGID: 2155 FARM NAME: HIGHLAND CREST FARM

Notes, drawings etc

A. Site inventory

LANDOWNER: Lakehill, K & J

OPERATOR: _____

AGID: **67** FARM NAME: **J-N-J ENGLE DAIRY**

LAGOON ID _____ Lat: _____ Long: _____
Phones: _____ Cell: _____

FARM ADDRESS: 15001 OLD SNOHOMISH-MONROE ROAD, SNOHOMISH

REVIEW INVENTORY DATE: _____

MANURE/ EFFLUENT LEVEL: _____ %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: _____ FT.

Completed by: _____ Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)

DATE: _____

WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: _____

Weather: _____

Temperature: _____

Soil surface: dry, moist, wet, saturated, standing water, frozen, snow covered

*Can't make appt.
No animals, guess
growing in*

AGID: 67 FARM NAME: J-N-J ENGLE DAIRY

LAGOON ID: Lat: Long:

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?			
b. In vicinity of waste inlet structure?			
c. Due to erosion from rainfall?			
d. Near agitation equipment access points?			
2. Pond was constructed <u>with</u> a liner?			
a. Erosion of liner material?			
b. Damaged material (holes, tears, seams)?			
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
3. Signs of embankment damage?			
a. Due to burrowing animals?			
b. Presence of trees or woody vegetation?			
c. Presence of large weeds?			
d. Evidence of overtopping of embankment?			
e. Evidence of soil erosion or gully on embankment?			
f. Evidence of cracks in embankment soils?			
g. Damp, soft, or slumping areas on berm?			
h. Seepage near bottom of berm slope?			
i. Seepage around pipes thru berm?			

COMMENTS:

AGID: 67

FARM NAME: J-N-J ENGLE DAIRY

LAGOON ID:

Lat:

Long:

OPERATION AND MAINTENANCE

If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in **REPORT** section

SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?			
a. Is liquid level marker visible?			
b. Is storage capacity available for freeboard when pond is full?			
2. Are manure pump and transfer pipes functioning?			
3. Are recycling pumps and transfer pipes functioning?			
4. Is pond overflow pipe/structure clear and unobstructed?			
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			
6. All roof water or clean runoff is diverted from storage?			
7. Diversions/waterways maintained?			
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?			
9. Waste storage pond access fenced and properly marked?			
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?			
11. Solids managed to prevent plants growing on crust?			
12. Anaerobic lagoon is purple/pink?			
13. Actively bubbling?			
14. Inlet pipes submerged?			
15. Downwind odor from WSP is:	<input type="checkbox"/> Strong	<input type="checkbox"/> Unbearable	

COMMENTS:

AGID: 67 FARM NAME: J-N-J ENGLE DAIRY

LAGOON ID: Lat: Long:

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH		
4. Footprint - inside top - WIDTH		
5. Embankment - Inside SS		> 2H:1V
6. Embankment - Outside SS		> 2H:1V
7. Embankment – Top Width		
8. Embankment – Maximum Fill Height		
9. Maximum Excavation Depth		
10. Total POND Depth		
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA		
12. Inlet type and location: Pipe, Flume, Scrape/slab, Overflow 'T', Other		
13. Outlet ramp slope and condition: none, earthen, gravel, concrete, other		
14. Pump/agitation site condition		
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: Farm Building, Homes, Roads, Water Coursed		
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		
18. Distance to nearest home/dwelling		
19. Distance to nearest water course		

COMMENTS:

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

(2) Description of structural modification: _____

(3) Describe impact of modification on structural integrity: _____

(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

AGID: 67

FARM NAME: J-N-J ENGLE DAIRY

Notes, drawings etc

A. Site inventory

LANDOWNER: KOSTERS, KEN

OPERATOR: _____

Facility looks abandoned. No Trespassing signs up

AGID: **4526** FARM NAME: **KENNETH KOSTERS**

LAGOON ID _____ Lat: _____ Long: _____

Phones: _____ Cell: _____

FARM ADDRESS: 19901 W SNOQUALMIE RIVER ROAD, DUVALL

REVIEW INVENTORY DATE: _____

MANURE/ EFFLUENT LEVEL: _____ %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: _____ FT.

Completed by: _____ Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)

DATE: _____

WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: _____

Weather: _____

Temperature: _____

Soil surface: dry, moist, wet, saturated, standing water, frozen, snow covered

Complete inventory questions appropriate to structure, *if no embankment, as in a pit pond, show NA.*

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?			
b. In vicinity of waste inlet structure?			
c. Due to erosion from rainfall?			
d. Near agitation equipment access points?			
2. Pond was constructed <u>with</u> a liner?			
a. Erosion of liner material?			
b. Damaged material (holes, tears, seams)?			
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
3. Signs of embankment damage?			
a. Due to burrowing animals?			
b. Presence of trees or woody vegetation?			
c. Presence of large weeds?			
d. Evidence of overtopping of embankment?			
e. Evidence of soil erosion or gully on embankment?			
f. Evidence of cracks in embankment soils?			
g. Damp, soft, or slumping areas on berm?			
h. Seepage near bottom of berm slope?			
i. Seepage around pipes thru berm?			

COMMENTS:

AGID: 4526

FARM NAME: KENNETH KOSTERS

LAGOON ID:

Lat:

Long:

OPERATION AND MAINTENANCE

If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in **REPORT** section

SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?			
a. Is liquid level marker visible?			
b. Is storage capacity available for freeboard when pond is full?			
2. Are manure pump and transfer pipes functioning?			
3. Are recycling pumps and transfer pipes functioning?			
4. Is pond overflow pipe/structure clear and unobstructed?			
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			
6. All roof water or clean runoff is diverted from storage?			
7. Diversions/waterways maintained?			
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?			
9. Waste storage pond access fenced and properly marked?			
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?			
11. Solids managed to <u>prevent</u> plants growing on crust?			
12. Anaerobic lagoon is purple/pink?			
13. Actively bubbling?			
14. Inlet pipes submerged?			
15. Downwind odor from WSP is: <input type="checkbox"/> Strong <input type="checkbox"/> Unbearable			

COMMENTS:

AGID: 4526

FARM NAME: KENNETH KOSTERS

LAGOON ID:

Lat:

Long:

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - <i>or crest elevation if no spillway.</i>		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH		
4. Footprint - inside top - WIDTH		
5. Embankment - Inside SS		> 2H:1V
6. Embankment - Outside SS		> 2H:1V
7. Embankment – Top Width		
8. Embankment – Maximum Fill Height		
9. Maximum Excavation Depth		
10. Total POND Depth		
11. Circle liner type or NA: <input type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA		
12. Inlet type and location: Pipe, Flume, Scrape/slab, Overflow 'T', Other		
13. Outlet ramp slope and condition: none, earthen, gravel, concrete, other		
14. Pump/agitation site condition		
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: Farm Building, Homes, Roads, Water Coursed		
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		
18. Distance to nearest home/dwelling		
19. Distance to nearest water course		

COMMENTS:

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

(2) Description of structural modification: _____

(3) Describe impact of modification on structural integrity: _____

(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

AGID: 4526

FARM NAME: KENNETH KOSTERS

Notes, drawings etc

A. Site inventory

LANDOWNER: Dill, George & Mary

Lacoma

*Horse boarding
Owner doesn't
live at property.*

OPERATOR: _____

AGID: **4320** FARM NAME: **KWANT DAIRY**

LAGOON ID _____ Lat: _____ Long: _____

Phones: _____ Cell: _____

FARM ADDRESS: 8325 BOE ROAD, STANWOOD

REVIEW INVENTORY DATE: _____

MANURE/ EFFLUENT LEVEL: _____ %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: _____ FT.

*No manure
goes in
lagoon*

*Dropped off
Card w/
tentative
tentative.*

Completed by: _____ Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:



WSP is FULL (Typically late winter or early spring)

DATE: _____



WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: _____

Weather: _____

Temperature: _____

Soil surface: dry, moist, wet, saturated, standing water, frozen, snow covered

AGID: 4320 FARM NAME: KWANT DAIRY

LAGOON ID: Lat: Long:

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW

If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in **REPORT** section.

SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?			
b. In vicinity of waste inlet structure?			
c. Due to erosion from rainfall?			
d. Near agitation equipment access points?			
2. Pond was constructed <u>with</u> a liner?			
a. Erosion of liner material?			
b. Damaged material (holes, tears, seams)?			
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
3. Signs of embankment damage?			
a. Due to burrowing animals?			
b. Presence of trees or woody vegetation?			
c. Presence of large weeds?			
d. Evidence of overtopping of embankment?			
e. Evidence of soil erosion or gully on embankment?			
f. Evidence of cracks in embankment soils?			
g. Damp, soft, or slumping areas on berm?			
h. Seepage near bottom of berm slope?			
i. Seepage around pipes thru berm?			

COMMENTS:

AGID: 4320

FARM NAME: KWANT DAIRY

LAGOON ID:

Lat:

Long:

OPERATION AND MAINTENANCE

If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in **REPORT** section

SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?			
a. Is liquid level marker visible?			
b. Is storage capacity available for freeboard when pond is full?			
2. Are manure pump and transfer pipes functioning?			
3. Are recycling pumps and transfer pipes functioning?			
4. Is pond overflow pipe/structure clear and unobstructed?			
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			
6. All roof water or clean runoff is diverted from storage?			
7. Diversions/waterways maintained?			
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?			
9. Waste storage pond access fenced and properly marked?			
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?			
11. Solids managed to <u>prevent</u> plants growing on crust?			
12. Anaerobic lagoon is purple/pink?			
13. Actively bubbling?			
14. Inlet pipes submerged?			
15. Downwind odor from WSP is: <input type="checkbox"/> Strong <input type="checkbox"/> Unbearable			

COMMENTS:

AGID: 4320

FARM NAME: KWANT DAIRY

LAGOON ID:

Lat:

Long:

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH		
4. Footprint - inside top - WIDTH		
5. Embankment - Inside SS		> 2H:1V
6. Embankment - Outside SS		> 2H:1V
7. Embankment – Top Width		
8. Embankment – Maximum Fill Height		
9. Maximum Excavation Depth		
10. Total POND Depth		
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA		
12. Inlet type and location: Pipe, Flume, Scrape/slab, Overflow 'T', Other		
13. Outlet ramp slope and condition: none, earthen, gravel, concrete, other		
14. Pump/agitation site condition		
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: Farm Building, Homes, Roads, Water Coursed		
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		
18. Distance to nearest home/dwelling		
19. Distance to nearest water course		

COMMENTS:

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO \Rightarrow If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

(2) Description of structural modification: _____

(3) Describe impact of modification on structural integrity: _____

(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

AGID: 4320

FARM NAME: KWANT DAIRY

Notes, drawings etc

A. Site inventory

LANDOWNER: Hereth, Mark & Lynne

OPERATOR: _____

AGID: **5815**

FARM NAME: **MARK & LYNN HERETH**

LAGOON ID _____

Lat: _____

Long: _____

Phones: _____

Cell: _____

FARM ADDRESS: 11930 SPRINGHETTI ROAD, SNOHOMISH

REVIEW INVENTORY DATE: _____

MANURE/ EFFLUENT LEVEL: _____ %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: _____ FT.

Completed by: _____ Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)

DATE: _____

WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: _____

Weather: _____

Temperature: _____

Soil surface: dry, moist, wet, saturated, standing water, frozen, snow covered

Carl 425-231-3132

*Still used for
leifers. not
owners not
here.
Used in
winter*

*Not home
Call*

Complete inventory questions appropriate to structure, *if no embankment, as in a pit pond, show NA.*

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?			
b. In vicinity of waste inlet structure?			
c. Due to erosion from rainfall?			
d. Near agitation equipment access points?			
2. Pond was constructed <u>with</u> a liner?			
a. Erosion of liner material?			
b. Damaged material (holes, tears, seams)?			
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
3. Signs of embankment damage?			
a. Due to burrowing animals?			
b. Presence of trees or woody vegetation?			
c. Presence of large weeds?			
d. Evidence of overtopping of embankment?			
e. Evidence of soil erosion or gully on embankment?			
f. Evidence of cracks in embankment soils?			
g. Damp, soft, or slumping areas on berm?			
h. Seepage near bottom of berm slope?			
i. Seepage around pipes thru berm?			

COMMENTS:

AGID: 5815

FARM NAME: MARK & LYNN HERETH

LAGOON ID:

Lat:

Long:

OPERATION AND MAINTENANCE

If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in **REPORT** section

SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?			
a. Is liquid level marker visible?			
b. Is storage capacity available for freeboard when pond is full?			
2. Are manure pump and transfer pipes functioning?			
3. Are recycling pumps and transfer pipes functioning?			
4. Is pond overflow pipe/structure clear and unobstructed?			
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			
6. All roof water or clean runoff is diverted from storage?			
7. Diversions/waterways maintained?			
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?			
9. Waste storage pond access fenced and properly marked?			
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?			
11. Solids managed to <u>prevent</u> plants growing on crust?			
12. Anaerobic lagoon is purple/pink?			
13. Actively bubbling?			
14. Inlet pipes submerged?			
15. Downwind odor from WSP is: <input type="checkbox"/> Strong <input type="checkbox"/> Unbearable			

COMMENTS:

AGID: 5815

FARM NAME: MARK & LYNN HERETH

LAGOON ID:

Lat:

Long:

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH		
4. Footprint - inside top - WIDTH		
5. Embankment - Inside SS		> 2H:1V
6. Embankment - Outside SS		> 2H:1V
7. Embankment – Top Width		
8. Embankment – Maximum Fill Height		
9. Maximum Excavation Depth		
10. Total POND Depth		
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA		
12. Inlet type and location: Pipe, Flume, Scrape/slab, Overflow 'T', Other		
13. Outlet ramp slope and condition: none, earthen, gravel, concrete, other		
14. Pump/agitation site condition		
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: Farm Building, Homes, Roads, Water Coursed		
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		
18. Distance to nearest home/dwelling		
19. Distance to nearest water course		

COMMENTS:

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

(2) Description of structural modification: _____

(3) Describe impact of modification on structural integrity: _____

(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

AGID: 5815

FARM NAME: MARK & LYNN HERETH

Notes, drawings etc

A. Site inventory

LANDOWNER: Young, Ham Won

OPERATOR: _____

AGID: T9 FARM NAME: MARK PRIETO DAIRY

LAGOON ID _____ Lat: _____ Long: _____

Phones: _____ Cell: _____

FARM ADDRESS: 6107 RIVERSHORE ROAD, EVERETT

REVIEW INVENTORY DATE: _____

MANURE/ EFFLUENT LEVEL: _____ %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: _____ FT.

Completed by: _____ Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)

DATE: _____

WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: _____

*For Sale
1 horse
freshy
abandoned*

Weather: _____

Temperature: _____

Soil surface: dry, moist, wet, saturated, standing water, frozen, snow covered

AGID: T9 FARM NAME: MARK PRIETO DAIRY

LAGOON ID: Lat: Long:

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?			
b. In vicinity of waste inlet structure?			
c. Due to erosion from rainfall?			
d. Near agitation equipment access points?			
2. Pond was constructed <u>with</u> a liner?			
a. Erosion of liner material?			
b. Damaged material (holes, tears, seams)?			
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
3. Signs of embankment damage?			
a. Due to burrowing animals?			
b. Presence of trees or woody vegetation?			
c. Presence of large weeds?			
d. Evidence of overtopping of embankment?			
e. Evidence of soil erosion or gully on embankment?			
f. Evidence of cracks in embankment soils?			
g. Damp, soft, or slumping areas on berm?			
h. Seepage near bottom of berm slope?			
i. Seepage around pipes thru berm?			

COMMENTS:

AGID: T9

FARM NAME: MARK PRIETO DAIRY

LAGOON ID:

Lat:

Long:

OPERATION AND MAINTENANCE

If any boxes checked "NO"; make notes of location and identify O & M task to improve management in **REPORT** section

SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?			
a. Is liquid level marker visible?			
b. Is storage capacity available for freeboard when pond is full?			
2. Are manure pump and transfer pipes functioning?			
3. Are recycling pumps and transfer pipes functioning?			
4. Is pond overflow pipe/structure clear and unobstructed?			
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			
6. All roof water or clean runoff is diverted from storage?			
7. Diversions/waterways maintained?			
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?			
9. Waste storage pond access fenced and properly marked?			
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?			
11. Solids managed to <u>prevent</u> plants growing on crust?			
12. Anaerobic lagoon is purple/pink?			
13. Actively bubbling?			
14. Inlet pipes submerged?			
15. Downwind odor from WSP is: <input type="checkbox"/> Strong <input type="checkbox"/> Unbearable			

COMMENTS:

AGID: T9 FARM NAME: MARK PRIETO DAIRY

LAGOON ID: Lat: Long:

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH		
4. Footprint - inside top - WIDTH		
5. Embankment - Inside SS		> 2H:1V
6. Embankment - Outside SS		> 2H:1V
7. Embankment – Top Width		
8. Embankment – Maximum Fill Height		
9. Maximum Excavation Depth		
10. Total POND Depth		
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA		
12. Inlet type and location: Pipe, Flume, Scrape/slab, Overflow 'T', Other		
13. Outlet ramp slope and condition: none, earthen, gravel, concrete, other		
14. Pump/agitation site condition		
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: Farm Building, Homes, Roads, Water Coursed		
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		
18. Distance to nearest home/dwelling		
19. Distance to nearest water course		

COMMENTS:

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

(2) Description of structural modification: _____

(3) Describe impact of modification on structural integrity: _____

(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

AGID: T9

FARM NAME: MARK PRIETO DAIRY

Notes, drawings etc

A. Site inventory

LLC - parcel

LANDOWNER: _____

12:00
OPERATOR: **MULDER, BILL**

- No longer Mulder Dairy!

AGID: **9179** FARM NAME: **MULDER DAIRY**

LAGOON ID _____ Lat: _____ Long: _____

Phones: Cell: _____ Work: _____

FARM ADDRESS: **26923 HOEHN ROAD, SEDRO WOOLLEY, WA 98284**

REVIEW INVENTORY DATE: _____

MANURE/ EFFLUENT LEVEL: _____ %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: _____ FT.

Completed by: _____ Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)

DATE: _____

WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: _____

206-353-0459
Terry

Hoehn Bend Farm
Terry Sapp
Jean Eagleston

leaking Spring
NFCS list

584 Walla-Walla way.
La Connor,
98257

Weather: _____

Temperature: _____

Soil surface: dry, moist, wet, saturated, standing water, frozen, snow covered

John Sapp
incorporating
into
Young Dairy

Lagoon is being incorporated

NFCS evaluation needed.

LAGOON ID: _____ Lat: _____ Long: _____

Complete inventory questions appropriate to structure, *if no embankment, as in a pit pond, show NA.*

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?			
b. In vicinity of waste inlet structure?			
c. Due to erosion from rainfall?			
d. Near agitation equipment access points?			
2. Pond was constructed <u>with</u> a liner?			
a. Erosion of liner material?			
b. Damaged material (holes, tears, seams)?			
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
3. Signs of embankment damage?			
a. Due to burrowing animals?			
b. Presence of trees or woody vegetation?			
c. Presence of large weeds?			
d. Evidence of overtopping of embankment?			
e. Evidence of soil erosion or gully on embankment?			
f. Evidence of cracks in embankment soils?			
g. Damp, soft, or slumping areas on berm?			
h. Seepage near bottom of berm slope?			
i. Seepage around pipes thru berm?			

COMMENTS:

AGID: 9179 FARM NAME: MULDER DAIRY

LAGOON ID:

Lat:

Long:

OPERATION AND MAINTENANCE			
If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in REPORT section			
SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?			
a. Is liquid level marker visible?			
b. Is storage capacity available for freeboard when pond is full?			
2. Are manure pump and transfer pipes functioning?			
3. Are recycling pumps and transfer pipes functioning?			
4. Is pond overflow pipe/structure clear and unobstructed?			
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			
6. All roof water or clean runoff is diverted from storage?			
7. Diversions/waterways maintained?			
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?			
9. Waste storage pond access fenced and properly marked?			
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?			
11. Solids managed to <u>prevent</u> plants growing on crust?			
12. Anaerobic lagoon is purple/pink?			
13. Actively bubbling?			
14. Inlet pipes submerged?			
15. Downwind odor from WSP is:	<input type="checkbox"/> Strong	<input type="checkbox"/> Unbearable	

COMMENTS:

AGID: 9179 FARM NAME: MULDER DAIRY

B. LAGOON ID: _____ Lat: _____ Long: _____

C. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH		
4. Footprint - inside top - WIDTH		
5. Embankment - Inside SS		> 2H:1V
6. Embankment - Outside SS		> 2H:1V
7. Embankment – Top Width		
8. Embankment – Maximum Fill Height		
9. Maximum Excavation Depth		
10. Total POND Depth		
11. Circle liner type or NA: <input type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA		
12. Inlet type and location: Pipe, Flume, Scrape/slab, Overflow 'T', Other		
13. Outlet ramp slope and condition: none, earthen, gravel, concrete, other		
14. Pump/agitation site condition		
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: Farm Building, Homes, Roads, Water Coursed		
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		
18. Distance to nearest home/dwelling		
19. Distance to nearest water course		

COMMENTS:

AGID: 9179 FARM NAME: MULDER DAIRY

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

D. Does it appear that the WSP been structurally modified?

YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME: MULDER DAIRY

(1) Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(2) Date of modification construction? _____

(3) Description of structural modification: _____

(4) Describe impact of modification on structural integrity: _____

(5) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

AGID: 9179 FARM NAME: MULDER DAIRY

Notes, drawings etc

A. Site inventory

LANDOWNER: Neff, Jacob & Carrie

OPERATOR: _____

AGID: **8348** FARM NAME: **NEFF FARMS**

LAGOON ID _____ Lat: _____ Long: _____

Phones: _____ Cell: _____

FARM ADDRESS: 10403 NE 67TH AVENUE, MARYSVILLE

REVIEW INVENTORY DATE: _____

MANURE/ EFFLUENT LEVEL: _____ %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: _____ FT.

Completed by: _____ Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:



WSP is FULL (Typically late winter or early spring)

DATE: _____



WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: _____

Weather: _____

Temperature: _____

Soil surface: dry, moist, wet, saturated, standing water, frozen, snow covered

*on vacation
son said they
were forming a
fish pond,
no longer
holds
manure*

AGID: 8348 FARM NAME: NEFF FARMS

LAGOON ID: Lat: Long:

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?			
b. In vicinity of waste inlet structure?			
c. Due to erosion from rainfall?			
d. Near agitation equipment access points?			
2. Pond was constructed <u>with</u> a liner?			
a. Erosion of liner material?			
b. Damaged material (holes, tears, seams)?			
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
3. Signs of embankment damage?			
a. Due to burrowing animals?			
b. Presence of trees or woody vegetation?			
c. Presence of large weeds?			
d. Evidence of overtopping of embankment?			
e. Evidence of soil erosion or gully on embankment?			
f. Evidence of cracks in embankment soils?			
g. Damp, soft, or slumping areas on berm?			
h. Seepage near bottom of berm slope?			
i. Seepage around pipes thru berm?			

COMMENTS:

AGID: 8348

FARM NAME: NEFF FARMS

LAGOON ID:

Lat:

Long:

OPERATION AND MAINTENANCE

If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in **REPORT** section

SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?			
a. Is liquid level marker visible?			
b. Is storage capacity available for freeboard when pond is full?			
2. Are manure pump and transfer pipes functioning?			
3. Are recycling pumps and transfer pipes functioning?			
4. Is pond overflow pipe/structure clear and unobstructed?			
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			
6. All roof water or clean runoff is diverted from storage?			
7. Diversions/waterways maintained?			
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?			
9. Waste storage pond access fenced and properly marked?			
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?			
11. Solids managed to <u>prevent</u> plants growing on crust?			
12. Anaerobic lagoon is purple/pink?			
13. Actively bubbling?			
14. Inlet pipes submerged?			
15. Downwind odor from WSP is: <input type="checkbox"/> Strong <input type="checkbox"/> Unbearable			

COMMENTS:

AGID: 8348

FARM NAME: NEFF FARMS

LAGOON ID:

Lat:

Long:

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH		
4. Footprint - inside top - WIDTH		
5. Embankment - Inside SS		> 2H:1V
6. Embankment - Outside SS		> 2H:1V
7. Embankment – Top Width		
8. Embankment – Maximum Fill Height		
9. Maximum Excavation Depth		
10. Total POND Depth		
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA		
12. Inlet type and location: Pipe, Flume, Scrape/slab, Overflow 'T', Other		
13. Outlet ramp slope and condition: none, earthen, gravel, concrete, other		
14. Pump/agitation site condition		
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: Farm Building, Homes, Roads, Water Coursed		
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		
18. Distance to nearest home/dwelling		
19. Distance to nearest water course		

COMMENTS:

AGID: 8348

FARM NAME: NEFF FARMS

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

(2) Description of structural modification: _____

(3) Describe impact of modification on structural integrity: _____

(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

AGID: 8348

FARM NAME: NEFF FARMS

Notes, drawings etc

A. Site inventory

LANDOWNER: Hanson, Trygve

OPERATOR: _____

7-27-12

AGID: **4849** FARM NAME: **NO-VU DAIRY**

LAGOON ID _____ Lat: _____ Long: _____

Phones: _____ Cell: _____

FARM ADDRESS: 23621 NW 70TH AVENUE, STANWOOD

REVIEW INVENTORY DATE: 7-27-12

MANURE/ EFFLUENT LEVEL: 70 %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 5 FT.

Completed by: Cara McKinnon Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)

DATE: _____

WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: _____

Dennis
Schadel
has heifers
low
30-20 Heifers
+ 7 Steers

Weather: _____

Overcast

Temperature: _____

60's

Soil surface: dry, moist, wet, saturated, standing water, frozen, snow covered

0

AGID: 4849

FARM NAME: NO-VU DAIRY

LAGOON ID:

Lat:

Long:

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW

If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.

SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?		✓	
b. In vicinity of waste inlet structure?		✓	
c. Due to erosion from rainfall?		✓	
d. Near agitation equipment access points?		✓	
2. Pond was constructed <u>with</u> a liner?		✓	
a. Erosion of liner material?			?
b. Damaged material (holes, tears, seams)?			?
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			?
3. Signs of embankment damage?			
a. Due to burrowing animals?		✓	
b. Presence of trees or woody vegetation?		✓	
c. Presence of large weeds?	✓	blackberries	
d. Evidence of overtopping of embankment?		✓	
e. Evidence of soil erosion or gully on embankment?		✓	
f. Evidence of cracks in embankment soils?		✓	
g. Damp, soft, or slumping areas on berm?		✓	
h. Seepage near bottom of berm slope?		✓	
i. Seepage around pipes thru berm?		✓	

COMMENTS:

6" pre

Built 20 - Not w/ NRCS

AGID: 4849

FARM NAME: NO-VU DAIRY

LAGOON ID:

Lat:

Long:

OPERATION AND MAINTENANCE

If any boxes checked "NO"; make notes of location and identify O & M task to improve management in **REPORT** section

SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?		✓	
a. Is liquid level marker visible?		✓	
b. Is storage capacity available for freeboard when pond is full?	✓		
2. Are manure pump and transfer pipes functioning?	✓		
3. Are recycling pumps and transfer pipes functioning?	✓		
4. Is pond overflow pipe/structure clear and unobstructed?	✓		
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?		✓	
6. All roof water or clean runoff is diverted from storage?	✓		
7. Diversions/waterways maintained?	✓		
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?	✓		Recently mowed
9. Waste storage pond access fenced and properly marked?	✓		
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?		✓	
11. Solids managed to prevent plants growing on crust?		✓	
12. Anaerobic lagoon is purple/pink?		✓	
13. Actively bubbling?	✓		
14. Inlet pipes submerged?		✓	
15. Downwind odor from WSP is:	<input type="checkbox"/> Strong	<input type="checkbox"/> Unbearable	

COMMENTS:

AGID: 4849

FARM NAME: NO-VU DAIRY

LAGOON ID:

Lat:

Long:

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH	170	
4. Footprint - inside top - WIDTH	120	
5. Embankment - Inside SS	3:2	> 2H:1V
6. Embankment - Outside SS	Varies 3:1-1:1	> 2H:1V
7. Embankment - Top Width	10 Ft	
8. Embankment - Maximum Fill Height	8	
9. Maximum Excavation Depth	5	
10. Total POND Depth	13	
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA	None	
12. Inlet type and location: <input checked="" type="checkbox"/> Pipe, <input type="checkbox"/> Flume, <input type="checkbox"/> Scrape/slab, <input type="checkbox"/> Overflow 'T', <input type="checkbox"/> Other	PVC - 6" overground	
13. Outlet ramp slope and condition: none, earthen, gravel, <input checked="" type="checkbox"/> concrete, other		
14. Pump/agitation site condition	good	
15. Distance to nearest well/water depth in well in feet		across River
16. Failure impacts: Farm Building, Homes, Roads, Water Coursed		fields, river
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		no
18. Distance to nearest home/dwelling		500 FT
19. Distance to nearest water course		700 FT

COMMENTS:

Has slough - old branch of shell

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

Not to NRCS

SPAS

C. Does it appear that the WSP been structurally modified?

YES NO \Rightarrow If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

(2) Description of structural modification: _____

(3) Describe impact of modification on structural integrity: _____

(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

AGID: 4849

FARM NAME: NO-VU DAIRY

Notes, drawings etc

A. Site inventory

LANDOWNER: _____

OPERATOR: **GOOD, RANDY**

AGID: **4395** FARM NAME: **RANDY GOOD DAIRY**

LAGOON ID _____ Lat: _____ Long: _____

Phones: Cell: _____ Work: _____

FARM ADDRESS: **25512 MINKLER ROAD, SEDRO WOOLLEY, WA 98284**

REVIEW INVENTORY DATE: _____

MANURE/ EFFLUENT LEVEL: _____ %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: _____ FT.

Completed by: _____ Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:



WSP is FULL (Typically late winter or early spring)

DATE: _____



WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: _____

Weather: _____

Temperature: _____

Soil surface: dry, moist, wet, saturated, standing water, frozen, snow covered

*Says in good shape
NECS OK?*

*Sold to Skagit River Ranch
Call → Vorcoviych*

LAGOON ID: Lat: Long:

Complete inventory questions appropriate to structure, *if no embankment, as in a pit pond, show NA.*

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?			
b. In vicinity of waste inlet structure?			
c. Due to erosion from rainfall?			
d. Near agitation equipment access points?			
2. Pond was constructed <u>with</u> a liner?			
a. Erosion of liner material?			
b. Damaged material (holes, tears, seams)?			
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
3. Signs of embankment damage?			
a. Due to burrowing animals?			
b. Presence of trees or woody vegetation?			
c. Presence of large weeds?			
d. Evidence of overtopping of embankment?			
e. Evidence of soil erosion or gully on embankment?			
f. Evidence of cracks in embankment soils?			
g. Damp, soft, or slumping areas on berm?			
h. Seepage near bottom of berm slope?			
i. Seepage around pipes thru berm?			

COMMENTS:

LAGOON ID: Lat: Long:

OPERATION AND MAINTENANCE			
If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in REPORT section			
SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?			
a. Is liquid level marker visible?			
b. Is storage capacity available for freeboard when pond is full?			
2. Are manure pump and transfer pipes functioning?			
3. Are recycling pumps and transfer pipes functioning?			
4. Is pond overflow pipe/structure clear and unobstructed?			
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			
6. All roof water or clean runoff is diverted from storage?			
7. Diversions/waterways maintained?			
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?			
9. Waste storage pond access fenced and properly marked?			
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?			
11. Solids managed to <u>prevent</u> plants growing on crust?			
12. Anaerobic lagoon is purple/pink?			
13. Actively bubbling?			
14. Inlet pipes submerged?			
15. Downwind odor from WSP is: <input type="checkbox"/> Strong <input type="checkbox"/> Unbearable			

COMMENTS:

B. LAGOON ID: _____ Lat: _____ Long: _____

C. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - <i>or crest elevation if no spillway.</i>		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH		
4. Footprint - inside top - WIDTH		
5. Embankment - Inside SS		> 2H:1V
6. Embankment - Outside SS		> 2H:1V
7. Embankment – Top Width		
8. Embankment – Maximum Fill Height		
9. Maximum Excavation Depth		
10. Total POND Depth		
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA		
12. Inlet type and location: Pipe, Flume, Scrape/slab, Overflow 'T', Other		
13. Outlet ramp slope and condition: none, earthen, gravel, concrete, other		
14. Pump/agitation site condition		
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: Farm Building, Homes, Roads, Water Coursed		
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		
18. Distance to nearest home/dwelling		
19. Distance to nearest water course		

COMMENTS:

AGID: 4395 FARM NAME: RANDY GOOD DAIRY

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

D. Does it appear that the WSP been structurally modified?

YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME: RANDY GOOD DAIRY

(1) Was the WSP modification designed? CIRCLE ONE: YES NO NA
If yes, list: Designer _____ Date _____

(2) Date of modification construction? _____

(3) Description of structural modification: _____

(4) Describe impact of modification on structural integrity: _____

(5) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

AGID: 4395 FARM NAME: RANDY GOOD DAIRY

Notes, drawings etc

A. Site inventory

LANDOWNER: SPANE, TONY

OPERATOR: Tony

7-27-12

AGID: 4893 FARM NAME: SPANE DAIRY

LAGOON ID Lat: Long:

Phones: Cell:

FARM ADDRESS: 8003 LARIMER ROAD, EVERETT

REVIEW INVENTORY DATE: 7-27-12

MANURE/ EFFLUENT LEVEL: _____ %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: _____ FT.

Completed by: _____ Agency DNMP/WSDA

*Cornerby
helped.
Raising
Next spring
last of
heifer.
Then
decommission*

CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)

DATE: _____

WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: 7-27-12

Weather: overcast

Temperature: 60's

Soil surface: dry, moist, wet, saturated, standing water, frozen, snow covered

AGID: 4893

FARM NAME: SPANE DAIRY

LAGOON ID:

Lat:

Long:

Complete inventory questions appropriate to structure, *if no embankment, as in a pit pond, show NA.*

EARTHEN STRUCTURAL REVIEW

If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in **REPORT** section.

SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?			
b. In vicinity of waste inlet structure?			
c. Due to erosion from rainfall?			
d. Near agitation equipment access points?			
2. Pond was constructed <u>with</u> a liner?			
a. Erosion of liner material?			
b. Damaged material (holes, tears, seams)?			
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
3. Signs of embankment damage?			
a. Due to burrowing animals?			
b. Presence of trees or woody vegetation?			
c. Presence of large weeds?			
d. Evidence of overtopping of embankment?			
e. Evidence of soil erosion or gully on embankment?			
f. Evidence of cracks in embankment soils?			
g. Damp, soft, or slumping areas on berm?			
h. Seepage near bottom of berm slope?			
i. Seepage around pipes thru berm?			

COMMENTS:

AGID: 4893

FARM NAME: SPANE DAIRY

LAGOON ID:

Lat:

Long:

OPERATION AND MAINTENANCE

If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in **REPORT** section

SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?		✓	
a. Is liquid level marker visible?		✓	
b. Is storage capacity available for freeboard when pond is full?	✓		
2. Are manure pump and transfer pipes functioning?	✓		
3. Are recycling pumps and transfer pipes functioning?	✓		
4. Is pond overflow pipe/structure clear and unobstructed?	✓		
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?		✓	
6. All roof water or clean runoff is diverted from storage?	✓		
7. Diversions/waterways maintained?	✓		
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?		✓	
9. Waste storage pond access fenced and properly marked?		✓	
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?	✓		
11. Solids managed to <u>prevent</u> plants growing on crust?		✓	
12. Anaerobic lagoon is purple/pink?		✓	
13. Actively bubbling?	✓		
14. Inlet pipes submerged?	✓		
15. Downwind odor from WSP is <u>None</u> <input type="checkbox"/> Strong <input type="checkbox"/> Unbearable			

COMMENTS:

AGID: 4893

FARM NAME: SPANE DAIRY

LAGOON ID:

Lat:

Long:

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH	320	
4. Footprint - inside top - WIDTH	160	
5. Embankment - Inside SS	3:2	> 2H:1V
6. Embankment - Outside SS	3:2	> 2H:1V
7. Embankment - Top Width	10-12 FT	
8. Embankment - Maximum Fill Height	8 FT S. 12 FT N.	
9. Maximum Excavation Depth	10-12 FT 0 FT	
10. Total POND Depth	8 FT - 12 FT	depending on side
11. Circle liner type or NA. <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA		
12. Inlet type and location: <input checked="" type="radio"/> Pipe <input type="radio"/> Flume, <input type="radio"/> Scrape/slab, <input type="radio"/> Overflow 'T', <input type="radio"/> Other	good	
13. Outlet ramp slope and condition: none, <input checked="" type="radio"/> earthen, <input type="radio"/> gravel, <input type="radio"/> concrete, <input type="radio"/> other	OK	
14. Pump/agitation site condition	OK	
15. Distance to nearest well/water depth in well in feet	No well pup	
16. Failure impacts: <input checked="" type="checkbox"/> Farm Building, <input checked="" type="checkbox"/> Homes, <input checked="" type="checkbox"/> Roads, <input checked="" type="checkbox"/> Water Coursed		creek, wood creek
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		NO
18. Distance to nearest home/dwelling		600 Ft uphill
19. Distance to nearest water course		70 Ft

COMMENTS:

NRCS 95-96

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

(2) Description of structural modification: _____

(3) Describe impact of modification on structural integrity: _____

(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

AGID: 4893

FARM NAME: SPANE DAIRY

Notes, drawings etc

A. Site inventory

LANDOWNER: Klein, Daniel & Pamela

OPERATOR: _____

*decommissioned,
Blow out side
of bank*

AGID: **4860** FARM NAME: **STILLI-RIDGE DAIRY INC**

LAGOON ID _____ Lat: _____ Long: _____

Phones: _____ Cell: _____

FARM ADDRESS: 10324 MORAN ROAD, ARLINGTON

REVIEW INVENTORY DATE: _____

MANURE/ EFFLUENT LEVEL: _____ %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: _____ FT.

Completed by: _____ Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)

DATE: _____

WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: _____

Weather: _____

Temperature: _____

Soil surface: dry, moist, wet, saturated, standing water, frozen, snow covered

AGID: 4860 FARM NAME: STILLI-RIDGE DAIRY INC

LAGOON ID: Lat: Long:

Complete inventory questions appropriate to structure, *if no embankment, as in a pit pond, show NA.*

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?			
b. In vicinity of waste inlet structure?			
c. Due to erosion from rainfall?			
d. Near agitation equipment access points?			
2. Pond was constructed <u>with</u> a liner?			
a. Erosion of liner material?			
b. Damaged material (holes, tears, seams)?			
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
3. Signs of embankment damage?			
a. Due to burrowing animals?			
b. Presence of trees or woody vegetation?			
c. Presence of large weeds?			
d. Evidence of overtopping of embankment?			
e. Evidence of soil erosion or gully on embankment?			
f. Evidence of cracks in embankment soils?			
g. Damp, soft, or slumping areas on berm?			
h. Seepage near bottom of berm slope?			
i. Seepage around pipes thru berm?			

COMMENTS:

AGID: 4860

FARM NAME: STILLI-RIDGE DAIRY INC

LAGOON ID:

Lat:

Long:

OPERATION AND MAINTENANCE

If any boxes checked "NO"; make notes of location and identify O & M task to improve management in **REPORT** section

SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?			
a. Is liquid level marker visible?			
b. Is storage capacity available for freeboard when pond is full?			
2. Are manure pump and transfer pipes functioning?			
3. Are recycling pumps and transfer pipes functioning?			
4. Is pond overflow pipe/structure clear and unobstructed?			
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			
6. All roof water or clean runoff is diverted from storage?			
7. Diversions/waterways maintained?			
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?			
9. Waste storage pond access fenced and properly marked?			
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?			
11. Solids managed to <u>prevent</u> plants growing on crust?			
12. Anaerobic lagoon is purple/pink?			
13. Actively bubbling?			
14. Inlet pipes submerged?			
15. Downwind odor from WSP is: <input type="checkbox"/> Strong <input type="checkbox"/> Unbearable			

COMMENTS:

AGID: 4860

FARM NAME: STILLI-RIDGE DAIRY INC

LAGOON ID:

Lat:

Long:

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH		
4. Footprint - inside top - WIDTH		
5. Embankment - Inside SS		> 2H:1V
6. Embankment - Outside SS		> 2H:1V
7. Embankment – Top Width		
8. Embankment – Maximum Fill Height		
9. Maximum Excavation Depth		
10. Total POND Depth		
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA		
12. Inlet type and location: Pipe, Flume, Scrape/slab, Overflow 'T', Other		
13. Outlet ramp slope and condition: none, earthen, gravel, concrete, other		
14. Pump/agitation site condition		
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: Farm Building, Homes, Roads, Water Coursed		
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		
18. Distance to nearest home/dwelling		
19. Distance to nearest water course		

COMMENTS:

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO \Rightarrow If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

(2) Description of structural modification: _____

(3) Describe impact of modification on structural integrity: _____

(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

AGID: 4860

FARM NAME: STILLI-RIDGE DAIRY INC

Notes, drawings etc

A. Site inventory

LANDOWNER: Thomas, Owner, Dennis & Marvin

OPERATOR: _____

AGID: **5993** FARM NAME: **THOMAS FARM CROPS INC**

LAGOON ID _____ Lat: _____ Long: _____

Phones: _____ Cell: _____

FARM ADDRESS: 7024 E LOWELL-LARIMER ROAD, SNOHOMISH

REVIEW INVENTORY DATE: _____

MANURE/ EFFLUENT LEVEL: _____ %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: _____ FT.

Completed by: _____ Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)

DATE: _____

WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: _____

Weather: _____

Temperature: _____

Soil surface: dry, moist, wet, saturated, standing water, frozen, snow covered

*Didn't get letter
another day
JR 425-422-9039
SR 425-300-9655*

AGID: 5993

FARM NAME: THOMAS FARM CROPS INC

LAGOON ID:

Lat:

Long:

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW

If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in **REPORT** section.

SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?			
b. In vicinity of waste inlet structure?			
c. Due to erosion from rainfall?			
d. Near agitation equipment access points?			
2. Pond was constructed <u>with</u> a liner?			
a. Erosion of liner material?			
b. Damaged material (holes, tears, seams)?			
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
3. Signs of embankment damage?			
a. Due to burrowing animals?			
b. Presence of trees or woody vegetation?			
c. Presence of large weeds?			
d. Evidence of overtopping of embankment?			
e. Evidence of soil erosion or gully on embankment?			
f. Evidence of cracks in embankment soils?			
g. Damp, soft, or slumping areas on berm?			
h. Seepage near bottom of berm slope?			
i. Seepage around pipes thru berm?			

COMMENTS:

AGID: 5993

FARM NAME: THOMAS FARM CROPS INC

LAGOON ID:

Lat:

Long:

OPERATION AND MAINTENANCE

If any boxes checked "NO"; make notes of location and identify O & M task to improve management in **REPORT** section

SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?			
a. Is liquid level marker visible?			
b. Is storage capacity available for freeboard when pond is full?			
2. Are manure pump and transfer pipes functioning?			
3. Are recycling pumps and transfer pipes functioning?			
4. Is pond overflow pipe/structure clear and unobstructed?			
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			
6. All roof water or clean runoff is diverted from storage?			
7. Diversions/waterways maintained?			
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?			
9. Waste storage pond access fenced and properly marked?			
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?			
11. Solids managed to prevent plants growing on crust?			
12. Anaerobic lagoon is purple/pink?			
13. Actively bubbling?			
14. Inlet pipes submerged?			
15. Downwind odor from WSP is:	<input type="checkbox"/> Strong	<input type="checkbox"/> Unbearable	

COMMENTS:

AGID: 5993

FARM NAME: THOMAS FARM CROPS INC

LAGOON ID:

Lat:

Long:

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH		
4. Footprint - inside top - WIDTH		
5. Embankment - Inside SS		> 2H:1V
6. Embankment - Outside SS		> 2H:1V
7. Embankment - Top Width		
8. Embankment - Maximum Fill Height		
9. Maximum Excavation Depth		
10. Total POND Depth		
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA		
12. Inlet type and location: Pipe, Flume, Scrape/slab, Overflow 'T', Other		
13. Outlet ramp slope and condition: none, earthen, gravel, concrete, other		
14. Pump/agitation site condition		
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: Farm Building, Homes, Roads, Water Coursed		
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		
18. Distance to nearest home/dwelling		
19. Distance to nearest water course		

COMMENTS:

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

(2) Description of structural modification: _____

(3) Describe impact of modification on structural integrity: _____

(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

AGID: 5993

FARM NAME: THOMAS FARM CROPS INC

Notes, drawings etc

A. Site inventory

LANDOWNER: Scarboro, Jae

OPERATOR: Collin

AGID: **9920** FARM NAME: **VAN PUTTEN DAIRY**

LAGOON ID _____ Lat: _____ Long: _____

Phones: _____ Cell: _____

FARM ADDRESS: 15429 FORTY 5 ROAD, ARLINGTON

REVIEW INVENTORY DATE: _____

MANURE/ EFFLUENT LEVEL: _____ %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: _____ FT.

Completed by: _____ Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:



WSP is FULL (Typically late winter or early spring)

DATE: _____



WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: 7-24-12
50%

lagoon not used in 8 yrs. Now have goats, chickens

Weather: Sunny

Temperature: 70's

Soil surface: (C) dry, moist, wet, saturated, standing water, frozen, snow covered

AGID: 9920

FARM NAME: VAN PUTTEN DAIRY

LAGOON ID:

Lat:

Long:

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW

If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.

SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?		✓	
b. In vicinity of waste inlet structure?		✓	
c. Due to erosion from rainfall?		✓	
d. Near agitation equipment access points?		✓	
2. Pond was constructed <u>with</u> a liner? ?	? ?	?	
a. Erosion of liner material?	? ?	?	
b. Damaged material (holes, tears, seams)?	? ?	?	
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
3. Signs of embankment damage?			
a. Due to burrowing animals?		✓	
b. Presence of trees or woody vegetation?	✓	Blackberries	
c. Presence of large weeds?	✓	Blackberries	
d. Evidence of overtopping of embankment?		✓	
e. Evidence of soil erosion or gully on embankment?		✓	
f. Evidence of cracks in embankment soils?		✓	
g. Damp, soft, or slumping areas on berm?		✓	
h. Seepage near bottom of berm slope?		✓	
i. Seepage around pipes thru berm?		✓	

COMMENTS:

AGID: 9920

FARM NAME: VAN PUTTEN DAIRY

LAGOON ID:

Lat:

Long:

OPERATION AND MAINTENANCE

If any boxes checked "NO"; make notes of location and identify O & M task to improve management in REPORT section

SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?		✓	
a. Is liquid level marker visible?		✓	
b. Is storage capacity available for freeboard when pond is full?		✓	
2. Are manure pump and transfer pipes functioning?			✓
3. Are recycling pumps and transfer pipes functioning?			✓
4. Is pond overflow pipe/structure clear and unobstructed?			✓
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			✓
6. All roof water or clean runoff is diverted from storage?			✓
7. Diversions/waterways maintained?			✓
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?		✓	
9. Waste storage pond access fenced and properly marked?		✓	
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?		✓	
11. Solids managed to prevent plants growing on crust?			✓
12. Anaerobic lagoon is purple/pink?		✓	✓
13. Actively bubbling?			✓
14. Inlet pipes submerged?	✓		
15. Downwind odor from WSP is:			

none

Strong Unbearable

COMMENTS:

*Note used in 8 yrs lots of
dandelions and green like
a pond. frogs!*

AGID: 9920

FARM NAME: VAN PUTTEN DAIRY

LAGOON ID:

Lat:

Long:

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH	50	
4. Footprint - inside top - WIDTH	40	
5. Embankment - Inside SS	steep	> 2H:1V
6. Embankment - Outside SS	Slope of 1/2	> 2H:1V
7. Embankment - Top Width	8 ft	
8. Embankment - Maximum Fill Height	9 ft	
9. Maximum Excavation Depth	7 ft	
10. Total POND Depth	7 ft	
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA	NA	
12. Inlet type and location: Pipe, Flume, Scrape/slab, Overflow 'T', Other	?	
13. Outlet ramp slope and condition: none, earthen, gravel, concrete, other	?	
14. Pump/agitation site condition		
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: Farm Building, Homes, Roads, <u>Water Coursed</u>		Quilceda ck
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		50 ft uphill NO
18. Distance to nearest home/dwelling		50 ft uphill
19. Distance to nearest water course		200 ft

COMMENTS:

Developers have been interested in property. Owner said "cows can't be on the farm. NO Dairy" in the future

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO >> If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

(2) Description of structural modification: _____

(3) Describe impact of modification on structural integrity: _____

(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

AGID: 9920

FARM NAME: VAN PUTTEN DAIRY

Notes, drawings etc

A. Site inventory

LANDOWNER: , Tulalip Tribes of Washington

OPERATOR: _____

*Completed
w/
Werkhalla*

AGID: **T17** FARM NAME: **WSR DAIRY**

LAGOON ID Lat: Long:

Phones: Cell:

FARM ADDRESS: SE 203RD STREET, MONROE

REVIEW INVENTORY DATE: _____

MANURE/ EFFLUENT LEVEL: _____ %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: _____ FT.

Completed by: _____ Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)

DATE: _____

WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: _____

Weather: _____

Temperature: _____

Soil surface: dry, moist, wet, saturated, standing water, frozen, snow covered

AGID: T17 FARM NAME: WSR DAIRY

LAGOON ID: Lat: Long:

Complete inventory questions appropriate to structure, *if no embankment, as in a pit pond, show NA.*

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?			
b. In vicinity of waste inlet structure?			
c. Due to erosion from rainfall?			
d. Near agitation equipment access points?			
2. Pond was constructed <u>with</u> a liner?			
a. Erosion of liner material?			
b. Damaged material (holes, tears, seams)?			
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
3. Signs of embankment damage?			
a. Due to burrowing animals?			
b. Presence of trees or woody vegetation?			
c. Presence of large weeds?			
d. Evidence of overtopping of embankment?			
e. Evidence of soil erosion or gully on embankment?			
f. Evidence of cracks in embankment soils?			
g. Damp, soft, or slumping areas on berm?			
h. Seepage near bottom of berm slope?			
i. Seepage around pipes thru berm?			

COMMENTS:

AGID: T17

FARM NAME: WSR DAIRY

LAGOON ID:

Lat:

Long:

OPERATION AND MAINTENANCE

If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in **REPORT** section

SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?			
a. Is liquid level marker visible?			
b. Is storage capacity available for freeboard when pond is full?			
2. Are manure pump and transfer pipes functioning?			
3. Are recycling pumps and transfer pipes functioning?			
4. Is pond overflow pipe/structure clear and unobstructed?			
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			
6. All roof water or clean runoff is diverted from storage?			
7. Diversions/waterways maintained?			
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?			
9. Waste storage pond access fenced and properly marked?			
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?			
11. Solids managed to <u>prevent</u> plants growing on crust?			
12. Anaerobic lagoon is purple/pink?			
13. Actively bubbling?			
14. Inlet pipes submerged?			
15. Downwind odor from WSP is:	<input type="checkbox"/> Strong	<input type="checkbox"/> Unbearable	

COMMENTS:

AGID: T17

FARM NAME: WSR DAIRY

LAGOON ID:

Lat:

Long:

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH		
4. Footprint - inside top - WIDTH		
5. Embankment - Inside SS		> 2H:1V
6. Embankment - Outside SS		> 2H:1V
7. Embankment – Top Width		
8. Embankment – Maximum Fill Height		
9. Maximum Excavation Depth		
10. Total POND Depth		
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA		
12. Inlet type and location: Pipe, Flume, Scrape/slab, Overflow 'T', Other		
13. Outlet ramp slope and condition: none, earthen, gravel, concrete, other		
14. Pump/agitation site condition		
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: Farm Building, Homes, Roads, Water Coursed		
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		
18. Distance to nearest home/dwelling		
19. Distance to nearest water course		

COMMENTS:

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO \Rightarrow If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

(2) Description of structural modification: _____

(3) Describe impact of modification on structural integrity: _____

(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

AGID: T17

FARM NAME: WSR DAIRY

Notes, drawings etc

✓

LM **A. Site inventory**

LANDOWNER: JAY VAN MIDDENDORP

AGID: 9524 FARM NAME: OK DAIRY

LAGOON ID 9524-1 Lat: 48.96347 Long: -122.28405

Telephone Cell 0 Work 360988-7042 360-410-7049

FARM ADDRESS: 3721 E BADGER ROAD, EVERSON

REVIEW INVENTORY DATE: 3/7/12

MANURE/ EFFLUENT LEVEL: 95 %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 1 FT.

Completed by: Dan Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)

DATE: 3/7/12

WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: _____

AGID: 9524 FARM NAME: OK DAIRY

LAGOON ID 9524-1 Lat: 48.96347 Long: -122.28405

Complete inventory questions appropriate to structure, *if no embankment, as in a pit pond, show NA.*

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?			
b. In vicinity of waste inlet structure?			
c. Due to erosion from rainfall?			
d. Near agitation equipment access points?			
2. Pond was constructed <u>without</u> a liner?			
3. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA			
a. Erosion of liner material?			
b. Damaged material (holes, tears, seams)?			
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
4. Signs of embankment damage?			
a. Due to burrowing animals?			
b. Presence of trees or woody vegetation?			
c. Presence of large weeds?			
d. Evidence of overtopping of embankment?			
e. Evidence of soil erosion or gully on embankment?			
f. Evidence of cracks in embankment soils?			
g. Damp, soft, or slumping areas on berm?			
h. Seepage near bottom of berm slope?			
i. Seepage around pipes thru berm?			

COMMENTS:

AGID: 9524 FARM NAME: OK DAIRY

LAGOON ID 9524-1 Lat: 48.96347 Long: -122.28405

OPERATION AND MAINTENANCE			
If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in REPORT section			
SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?			
a. Is liquid level marker visible?		X	
b. Is storage capacity available for freeboard when pond is full?	X		
2. Are manure pump and transfer pipes functioning?	X		
3. Are recycling pumps and transfer pipes functioning?	X		
4. Is pond overflow pipe/structure clear and unobstructed?	X		
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			X
6. All roof water or clean runoff is diverted from storage?	X		
7. Diversions/waterways maintained?			X
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?	X		
9. Waste storage pond access fenced and properly marked?		X	
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?		X	
11. Solids managed to <u>prevent</u> plants growing on crust?	X		
12. Anaerobic lagoon is purple/pink?	X		
13. Actively bubbling?	X		
14. Inlet pipes submerged?	X		
15. Downwind odor from WSP is:	None	Faint	Distinct
	Strong	Unbearable	

COMMENTS:

Not fenced

AGID: 9524 FARM NAME: OK DAIRY

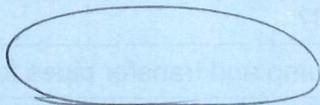
LAGOON ID 9524-1 Lat: 48.96347 Long: -122.28405

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: unknown

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification ⁵⁵
1. Storage capacity at overflow, or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH	70 steps 175'	
3. Footprint - inside top - WIDTH	60 steps 150'	
4. Embankment - Inside SS	unknown	> 2H:1V
5. Embankment - Outside SS	1/3	> 2H:1V
6. Embankment - Top Width	15'	
7. Embankment - Maximum Fill Height	8	
8. Maximum Excavation Depth	unknown	
9. Total POND Depth	unknown	
10. Liner type or soil amendment condition	clay - good	
11. Inlet type location and condition	good	
12. Outlet ramp condition	good	
13. Pump/agitation site condition	good	

COMMENTS:

DOES IT APPEAR THAT THE WSP WAS DESIGNED BY NRCS OR MET THE NRCS DESIGN CRITERIA IN PLACE AT THE TIME IT WAS INSTALLED OR LAST MODIFIED?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME: JAY VAN MIDDENDORP

(1) Was the WSP modification designed? CIRCLE ONE: YES NO NA
If yes, list: Designer _____ Date _____

(2) Date of modification construction? _____

(3) Description of structural modification: _____

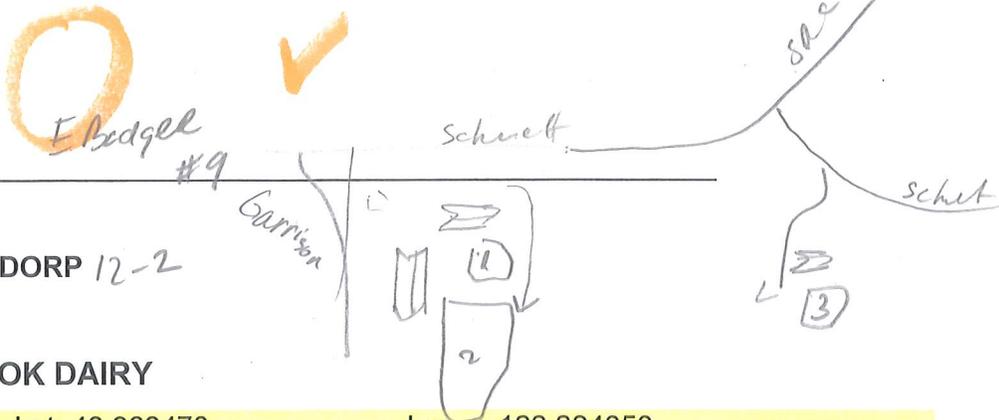
(4) Describe impact of modification on structural integrity: _____

(5) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

Notes, drawings etc

A. Site inventory



LANDOWNER: _____

OPERATOR: **JAY VAN MIDDENDORP** 12-2

AGID: **9524** FARM NAME: **OK DAIRY**

LAGOON ID: 9524-1 Lat: 48.963470 Long: -122.284050

Phones: (360) 410-7049 Cell: (360) 410-7050

FARM ADDRESS: 3721 E BADGER ROAD EVERSON WA 98247

REVIEW INVENTORY DATE: 9/24/2012

MANURE/ EFFLUENT LEVEL: 15 %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 7 FT.

Completed by: PO in monthly Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)

DATE: _____

WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: 9/24/2012

Weather: Sunny

Temperature: 60

Soil surface: dry, moist, wet, saturated, standing water, frozen, snow covered

AGID: 9524

FARM NAME: OK DAIRY

LAGOON ID: 9524-1

Lat: 48.963470

Long: -122.284050

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW

If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in **REPORT** section.

SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?		X	
b. In vicinity of waste inlet structure?		X	
c. Due to erosion from rainfall?		X	
d. Near agitation equipment access points?		X	
2. Pond was constructed <u>with</u> a liner?			
a. Erosion of liner material?			X
b. Damaged material (holes, tears, seams)?			X
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			X
3. Signs of embankment damage?			
a. Due to burrowing animals?		X	
b. Presence of trees or woody vegetation?		X	
c. Presence of large weeds?		X	
d. Evidence of overtopping of embankment?		X	
e. Evidence of soil erosion or gully on embankment?	X		
f. Evidence of cracks in embankment soils?		X	
g. Damp, soft, or slumping areas on berm?		X	
h. Seepage near bottom of berm slope?		X	
i. Seepage around pipes thru berm?		X	

COMMENTS:

1

3a cows.

AGID: 9524

FARM NAME: OK DAIRY

LAGOON ID: 9524-1

Lat: 48.963470

Long: -122.284050

OPERATION AND MAINTENANCE

If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in **REPORT** section

SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?		<input checked="" type="checkbox"/>	
a. Is liquid level marker visible?		<input checked="" type="checkbox"/>	
b. Is storage capacity available for freeboard when pond is full?		<input checked="" type="checkbox"/>	
2. Are manure pump and transfer pipes functioning?	<input checked="" type="checkbox"/>		
3. Are recycling pumps and transfer pipes functioning?			
4. Is pond overflow pipe/structure clear and unobstructed?	<input checked="" type="checkbox"/>		
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?		<input checked="" type="checkbox"/>	
6. All roof water or clean runoff is diverted from storage?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
7. Diversions/waterways maintained?	<input checked="" type="checkbox"/>		
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?	<input checked="" type="checkbox"/>		
9. Waste storage pond access fenced and properly marked?	<input checked="" type="checkbox"/>		
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?	<input checked="" type="checkbox"/>		
11. Solids managed to <u>prevent</u> plants growing on crust?	<input checked="" type="checkbox"/>		
12. Anaerobic lagoon is purple/pink?		<input checked="" type="checkbox"/>	
13. Actively bubbling?	<input checked="" type="checkbox"/>		
14. Inlet pipes submerged?	<input checked="" type="checkbox"/>		
15. Downwind odor from WSP is: <input type="checkbox"/> Strong <input checked="" type="checkbox"/> Unbearable			

COMMENTS:

AGID: 9524

FARM NAME: OK DAIRY

LAGOON ID: 9524-1

Lat: 48.963470

Long: -122.284050

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH		
4. Footprint - inside top - WIDTH		
5. Embankment - Inside SS	2:1	> 2H:1V
6. Embankment - Outside SS	3:1	> 2H:1V
7. Embankment – Top Width	20	
8. Embankment – Maximum Fill Height	10	
9. Maximum Excavation Depth	4	
10. Total POND Depth	14	
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input checked="" type="checkbox"/> NA		
12. Inlet type and location: <input checked="" type="checkbox"/> Pipe, <input type="checkbox"/> Flume, <input type="checkbox"/> Scrape/slab, <input type="checkbox"/> Overflow 'T', <input type="checkbox"/> Other		
13. Outlet ramp slope and condition: <input checked="" type="checkbox"/> none, <input type="checkbox"/> earthen, <input type="checkbox"/> gravel, <input type="checkbox"/> concrete, <input type="checkbox"/> other		
14. Pump/agitation site condition		
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: <input checked="" type="checkbox"/> Farm Building, <input type="checkbox"/> Homes, <input type="checkbox"/> Roads, <input type="checkbox"/> Water Coursed		
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		AD
18. Distance to nearest home/dwelling		
19. Distance to nearest water course		

COMMENTS:

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

(2) Description of structural modification: _____

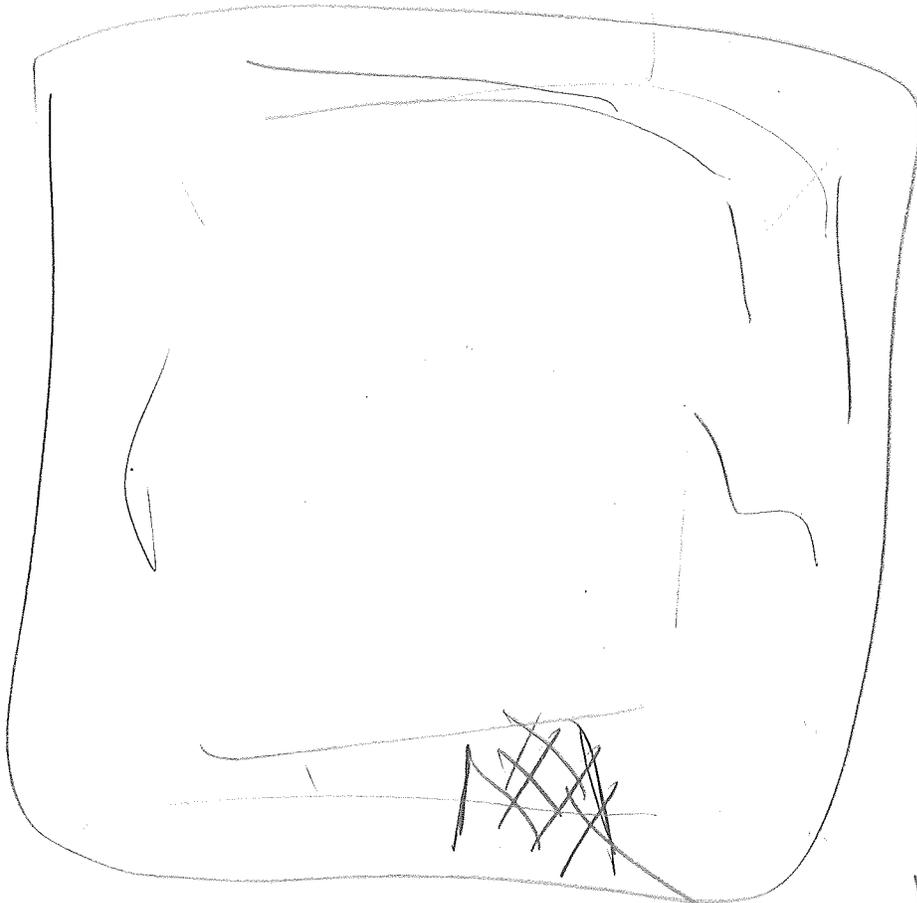
(3) Describe impact of modification on structural integrity: _____

(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

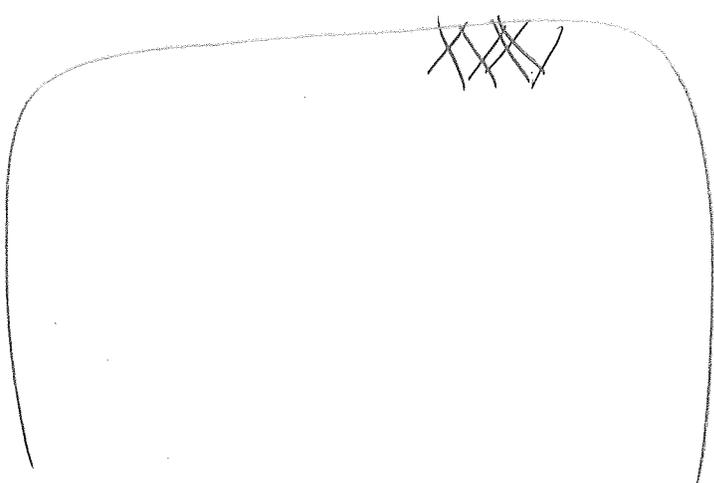
- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

Notes, drawings etc

across
pasture
two trees
sent out



rotational
w/ clay



A. Site inventory

LANDOWNER: JAY VAN MIDDENDORP

AGID: 9524 FARM NAME: OK DAIRY

LAGOON ID 9524-2 Lat: 48.96288 Long: -122.28503

Telephone Cell 0 Work 360988-7042 360 -410-7049

FARM ADDRESS: 3721 E BADGER ROAD, EVERSON

REVIEW INVENTORY DATE: 3/7/12

MANURE/ EFFLUENT LEVEL: 75 %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 3 FT.

Completed by: Dan Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)

DATE: 3/7/12

WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: _____

AGID: 9524 FARM NAME: OK DAIRY

LAGOON ID 9524-2 Lat: 48.96288 Long: -122.28503

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?			
b. In vicinity of waste inlet structure?			
c. Due to erosion from rainfall?			
d. Near agitation equipment access points?			
2. Pond was constructed without a liner?			
3. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA			
a. Erosion of liner material?			
b. Damaged material (holes, tears, seams)?			
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
4. Signs of embankment damage?			
a. Due to burrowing animals?			
b. Presence of trees or woody vegetation?	X		
c. Presence of large weeds?			
d. Evidence of overtopping of embankment?			
e. Evidence of soil erosion or gully on embankment?			
f. Evidence of cracks in embankment soils?			
g. Damp, soft, or slumping areas on berm?			
h. Seepage near bottom of berm slope?			
i. Seepage around pipes thru berm?			

COMMENTS:

a few black berries growing on S. bank

AGID: 9524 FARM NAME: OK DAIRY

LAGOON ID 9524-2 Lat: 48.96288 Long: -122.28503

OPERATION AND MAINTENANCE					
If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in REPORT section					
SITE INVENTORY QUESTION	YES	NO	NA		
1. Is there a permanent liquid level marker available to measure depth of pond?					
a. Is liquid level marker visible?		X			
b. Is storage capacity available for freeboard when pond is full?	X				
2. Are manure pump and transfer pipes functioning?	X				
3. Are recycling pumps and transfer pipes functioning?	X				
4. Is pond overflow pipe/structure clear and unobstructed?	X				
CLEAN WATER DIVERSION					
5. Perimeter drains plugged or blocked?			X		
6. All roof water or clean runoff is diverted from storage?	X				
7. Diversions/waterways maintained?			X		
VISUAL APPEARANCE AND SAFETY					
8. Site neat and recently mowed?	X				
9. Waste storage pond access fenced and properly marked?		X			
O & M ITEMS FOR ODOR AND AIR QUALITY					
10. Crust of solids on lagoon?		X			
11. Solids managed to prevent plants growing on crust?	X				
12. Anaerobic lagoon is purple/pink?	X				
13. Actively bubbling?	X				
14. Inlet pipes submerged?	X				
15. Downwind odor from WSP is:	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Faint	<input type="checkbox"/> Distinct	<input type="checkbox"/> Strong	<input type="checkbox"/> Unbearable

COMMENTS:

Not fenced

AGID: 9524 FARM NAME: OK DAIRY

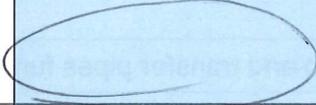
LAGOON ID 9524-2 Lat: 48.96288 Long: -122.28503

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: unknown

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification ⁵⁶
1. Storage capacity at overflow, or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH	180 steps 250'	
3. Footprint - inside top - WIDTH	92 steps 230'	
4. Embankment - Inside SS	1/3	> 2H:1V
5. Embankment - Outside SS	1/4	> 2H:1V
6. Embankment - Top Width	15'	
7. Embankment - Maximum Fill Height	15'	
8. Maximum Excavation Depth	unknown	
9. Total POND Depth	unknown	
10. Liner type or soil amendment condition	clay - good	
11. Inlet type location and condition	good	
12. Outlet ramp condition	good	
13. Pump/agitation site condition	good	

COMMENTS:

DOES IT APPEAR THAT THE WSP WAS DESIGNED BY NRCS OR MET THE NRCS DESIGN CRITERIA IN PLACE AT THE TIME IT WAS INSTALLED OR LAST MODIFIED?

YES NO

C. Does it appear that the WSP been structurally modified?

 YES ~~X~~ NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME: JAY VAN MIDDENDORP

(1) Was the WSP modification designed? CIRCLE ONE: YES NO NA
If yes, list: Designer _____ Date _____

(2) Date of modification construction? _____

(3) Description of structural modification: _____

(4) Describe impact of modification on structural integrity: _____

(5) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

Notes, drawings etc

A. Site inventory

LANDOWNER: _____

OPERATOR: **JAY VAN MIDDENDORP**

AGID: **9524** FARM NAME: **OK DAIRY**

LAGOON ID: 9524-2 Lat: 48.962880 Long: -122.285030

Phones: (360) 410-7049 Cell: (360) 410-7050

FARM ADDRESS: 3721 E BADGER ROAD EVERSON WA 98247

REVIEW INVENTORY DATE: 9/24/2012

MANURE/ EFFLUENT LEVEL: 5 %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 8 FT.

Completed by: DIPIC MELLOR Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)

DATE: _____

WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: 9/24/2012

Weather: Sunny

Temperature: 60

Soil surface: (C) dry, moist, wet, saturated, standing water, frozen, snow covered

AGID: 9524

FARM NAME: OK DAIRY

LAGOON ID: 9524-2

Lat: 48.962880

Long: -122.285030

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?		X	
b. In vicinity of waste inlet structure?	Y		
c. Due to erosion from rainfall?			
d. Near agitation equipment access points?		Y	
2. Pond was constructed <u>with</u> a liner?			
a. Erosion of liner material?			X
b. Damaged material (holes, tears, seams)?			<
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
3. Signs of embankment damage?			
a. Due to burrowing animals?		X	
b. Presence of trees or woody vegetation?		Y	
c. Presence of large weeds?		X	
d. Evidence of overtopping of embankment?		X	
e. Evidence of soil erosion or gully on embankment?		Y	
f. Evidence of cracks in embankment soils?			
g. Damp, soft, or slumping areas on berm?		Y	
h. Seepage near bottom of berm slope?		X	
i. Seepage around pipes thru berm?		X	

COMMENTS:

AGID: 9524

FARM NAME: OK DAIRY

LAGOON ID: 9524-2

Lat: 48.962880

Long: -122.285030

OPERATION AND MAINTENANCE

If any boxes checked "NO"; make notes of location and identify O & M task to improve management in REPORT section

SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?		<input checked="" type="checkbox"/>	
a. Is liquid level marker visible?		<input checked="" type="checkbox"/>	
b. Is storage capacity available for freeboard when pond is full?		<input checked="" type="checkbox"/>	
2. Are manure pump and transfer pipes functioning?	<input checked="" type="checkbox"/>		
3. Are recycling pumps and transfer pipes functioning?	<input checked="" type="checkbox"/>		
4. Is pond overflow pipe/structure clear and unobstructed?			<input checked="" type="checkbox"/>
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			<input checked="" type="checkbox"/>
6. All roof water or clean runoff is diverted from storage?	<input checked="" type="checkbox"/>		
7. Diversions/waterways maintained?			<input checked="" type="checkbox"/>
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?	<input checked="" type="checkbox"/>		
9. Waste storage pond access fenced and properly marked?		<input checked="" type="checkbox"/>	
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?		<input checked="" type="checkbox"/>	
11. Solids managed to prevent plants growing on crust?	<input checked="" type="checkbox"/>		
12. Anaerobic lagoon is purple/pink?		<input checked="" type="checkbox"/>	
13. Actively bubbling?	<input checked="" type="checkbox"/>		
14. Inlet pipes submerged?	<input checked="" type="checkbox"/>		
15. Downwind odor from WSP is:	<input checked="" type="checkbox"/> Strong <input checked="" type="checkbox"/> Unbearable		

COMMENTS:

AGID: 9524

FARM NAME: OK DAIRY

LAGOON ID: 9524-2

Lat: 48.962880

Long: -122.285030

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH		
4. Footprint - inside top - WIDTH		
5. Embankment - Inside SS		> 2H:1V
6. Embankment - Outside SS		> 2H:1V
7. Embankment – Top Width		
8. Embankment – Maximum Fill Height		
9. Maximum Excavation Depth		
10. Total POND Depth		
11. Circle liner type or NA: <input type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA		
12. Inlet type and location: Pipe, Flume, Scrape/slab, Overflow 'T', Other		
13. Outlet ramp slope and condition: none, earthen, gravel, concrete, other		
14. Pump/agitation site condition		
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: Farm Building, Homes, Roads, Water Coursed		
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		
18. Distance to nearest home/dwelling		
19. Distance to nearest water course		

COMMENTS:

AGID: 9524

FARM NAME: OK DAIRY

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

(2) Description of structural modification: _____

(3) Describe impact of modification on structural integrity: _____

(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

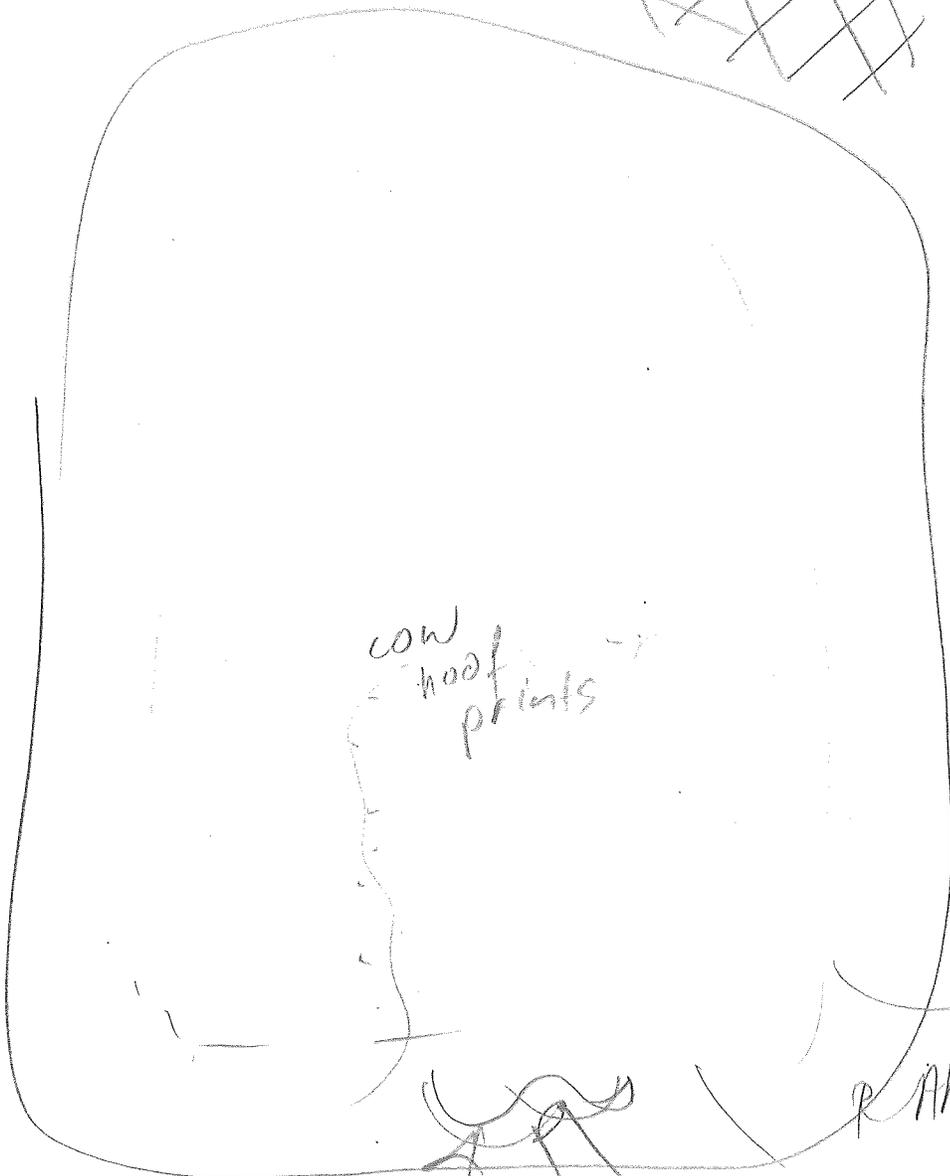
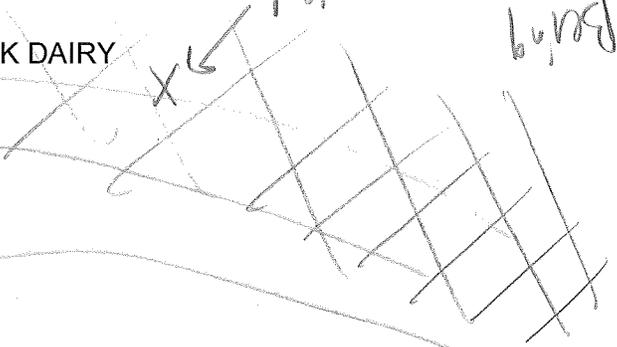
- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

AGID: 9524

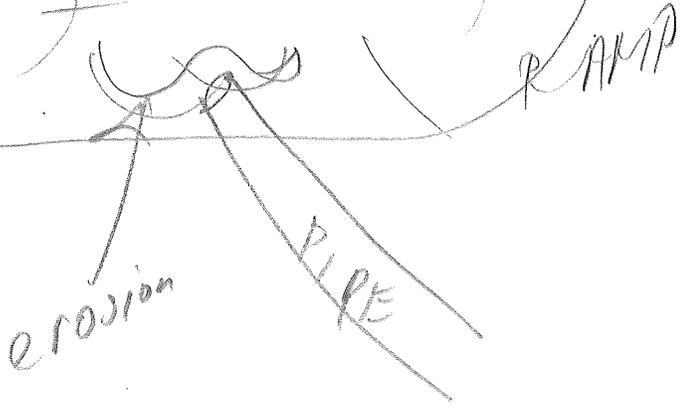
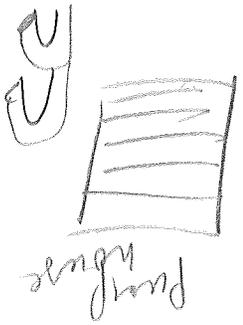
FARM NAME: OK DAIRY

Notes, drawings etc

stream ditch
at or under
Boring



cow
hoof
prints



✓

A. Site inventory

LANDOWNER: JAY VAN MIDDENDORP

AGID: 9524 FARM NAME: OK DAIRY

LAGOON ID 9524-3 Lat: 48.962842 Long: -122.276438

Telephone Cell 0 Work 360988-7042 — 360-410-7049

FARM ADDRESS: 3721 E BADGER ROAD, EVERSON

REVIEW INVENTORY DATE: 3/7/12

MANURE/ EFFLUENT LEVEL: 100 %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 0 FT.

Completed by: Dan Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:



WSP is FULL (Typically late winter or early spring)

DATE: 3/7/12



WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: _____

AGID: 9524 FARM NAME: OK DAIRY

LAGOON ID 9524-3 Lat: 48.962842 Long: -122.276438

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?			
b. In vicinity of waste inlet structure?			
c. Due to erosion from rainfall?			
d. Near agitation equipment access points?			
2. Pond was constructed <u>without</u> a liner?			
3. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA			
a. Erosion of liner material?			
b. Damaged material (holes, tears, seams)?			
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
4. Signs of embankment damage?			
a. Due to burrowing animals?			
b. Presence of trees or woody vegetation?			
c. Presence of large weeds?			
d. Evidence of overtopping of embankment?			
e. Evidence of soil erosion or gully on embankment?			
f. Evidence of cracks in embankment soils?			
g. Damp, soft, or slumping areas on berm?			
h. Seepage near bottom of berm slope?			
i. Seepage around pipes thru berm?			

COMMENTS:

AGID: 9524 FARM NAME: OK DAIRY

LAGOON ID 9524-3 Lat: 48.962842 Long: -122.276438

OPERATION AND MAINTENANCE			
If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in REPORT section			
SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?			
a. Is liquid level marker visible?		X	
b. Is storage capacity available for freeboard when pond is full?	X		
2. Are manure pump and transfer pipes functioning?	X		
3. Are recycling pumps and transfer pipes functioning?	X		
4. Is pond overflow pipe/structure clear and unobstructed?	X		
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			X
6. All roof water or clean runoff is diverted from storage?	X		
7. Diversions/waterways maintained?			X
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?	X		
9. Waste storage pond access fenced and properly marked?		X	
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?	X		
11. Solids managed to <u>prevent</u> plants growing on crust?	X		
12. Anaerobic lagoon is purple/pink?	X		
13. Actively bubbling?	X		
14. Inlet pipes submerged?	X		
15. Downwind odor from WSP is:	None	Faint	Distinct
	Strong	Unbearable	

COMMENTS:

Not fenced

AGID: 9524 FARM NAME: OK DAIRY

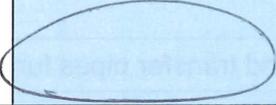
LAGOON ID 9524-3 Lat: 48.962842 Long: -122.276438

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: unknown

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification ⁵⁷
1. Storage capacity at overflow, or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH	54 steps 135'	
3. Footprint - inside top - WIDTH	34 steps 85'	
4. Embankment - Inside SS	unknown	> 2H:1V
5. Embankment - Outside SS	1/4	> 2H:1V
6. Embankment - Top Width	15'	
7. Embankment - Maximum Fill Height	5'	
8. Maximum Excavation Depth	unknown	
9. Total POND Depth	unknown	
10. Liner type or soil amendment condition	clay - good	
11. Inlet type location and condition	good	
12. Outlet ramp condition	good	
13. Pump/agitation site condition	good	

COMMENTS:

DOES IT APPEAR THAT THE WSP WAS DESIGNED BY NRCS OR MET THE NRCS DESIGN CRITERIA IN PLACE AT THE TIME IT WAS INSTALLED OR LAST MODIFIED?

YES NO

C. Does it appear that the WSP been structurally modified?

 YES X NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME: JAY VAN MIDDENDORP

(1) Was the WSP modification designed? CIRCLE ONE: YES NO NA
If yes, list: Designer _____ Date _____

(2) Date of modification construction? _____

(3) Description of structural modification: _____

(4) Describe impact of modification on structural integrity: _____

(5) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

Notes, drawings etc

A. Site inventory

LANDOWNER: _____

OPERATOR: **JAY VAN MIDDENDORP**

AGID: **9524** FARM NAME: **OK DAIRY**

LAGOON ID: 9524-3 Lat:48.962842 Long: -122.276438

Phones: (360) 410-7049 Cell: (360) 410-7050

FARM ADDRESS: 3721 E BADGER ROAD EVERSON WA 98247

REVIEW INVENTORY DATE: 9/24/2012

MANURE/ EFFLUENT LEVEL: 0.5 %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 4 FT.

Completed by: DIRK MELLER Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)

DATE: _____

WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: 9/24/2012

Weather: sunny

Temperature: 60

Soil surface: dry, moist, wet, saturated, standing water, frozen, snow covered

Complete inventory questions appropriate to structure, *if no embankment, as in a pit pond, show NA.*

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?		X	
a. Due to wave action?		X	
b. In vicinity of waste inlet structure?		X	
c. Due to erosion from rainfall?		X	
d. Near agitation equipment access points?			
2. Pond was constructed <u>with</u> a liner?			
a. Erosion of liner material?			
b. Damaged material (holes, tears, seams)?			
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
3. Signs of embankment damage?			
a. Due to burrowing animals?	X		
b. Presence of trees or woody vegetation?	X	X	
c. Presence of large weeds?	X	X	
d. Evidence of overtopping of embankment?	X	X	
e. Evidence of soil erosion or gully on embankment?			
f. Evidence of cracks in embankment soils?		X	
g. Damp, soft, or slumping areas on berm?		X	
h. Seepage near bottom of berm slope?		X	
i. Seepage around pipes thru berm?		X	

COMMENTS:

AGID: 9524

FARM NAME: OK DAIRY

LAGOON ID: 9524-3

Lat: 48.962842

Long: -122.276438

OPERATION AND MAINTENANCE

If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in **REPORT** section

SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?		X	
a. Is liquid level marker visible?		X	
b. Is storage capacity available for freeboard when pond is full?		X	
2. Are manure pump and transfer pipes functioning?		X	
3. Are recycling pumps and transfer pipes functioning?		X	
4. Is pond overflow pipe/structure clear and unobstructed?			
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			X
6. All roof water or clean runoff is diverted from storage?			X
7. Diversions/waterways maintained?			X
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?			
9. Waste storage pond access fenced and properly marked?			
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?			X
11. Solids managed to prevent plants growing on crust?			X
12. Anaerobic lagoon is purple/pink?		X	
13. Actively bubbling?		X	
14. Inlet pipes submerged?		X	
15. Downwind odor from WSP is:	<input checked="" type="checkbox"/> Strong	<input type="checkbox"/> Unbearable	

COMMENTS:

8 No vegetation

AGID: 9524

FARM NAME: OK DAIRY

LAGOON ID: 9524-3

Lat: 48.962842

Long: -122.276438

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH		
4. Footprint - inside top - WIDTH		
5. Embankment - Inside SS	2:1	> 2H:1V
6. Embankment - Outside SS	3:1	> 2H:1V
7. Embankment - Top Width	10	
8. Embankment - Maximum Fill Height	4	
9. Maximum Excavation Depth	2	
10. Total POND Depth	6	
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input checked="" type="checkbox"/> NA		
12. Inlet type and location: Pipe, Flume, Scrape/slab, Overflow 'T', Other		
13. Outlet ramp slope and condition: none, earthen, gravel, concrete, other		
14. Pump/agitation site condition		
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: Farm Building, Homes, Roads, Water Coursed		
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		
18. Distance to nearest home/dwelling		
19. Distance to nearest water course		

COMMENTS:

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

(2) Description of structural modification: _____

(3) Describe impact of modification on structural integrity: _____

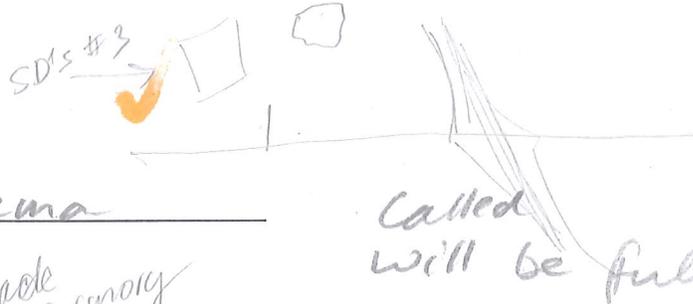
(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

AGID: 9524

FARM NAME: OK DAIRY

Notes, drawings etc



A. Site inventory

LANDOWNER: Jim Sinnema

OPERATOR:

Cascade Atmory

AGID: **10070**

FARM NAME: Old Silvana Creamry LLC

8-9

LAGOON ID:

Lat: *48.189966*

Long: *-122.211458*

Phones:

Cell: *(425) 268-7961*

FARM ADDRESS: 1105 Pioneer Hwy E Arlington, WA 98223

REVIEW INVENTORY DATE: *10/17/2012*

SOIL SNO 55

MANURE/ EFFLUENT LEVEL: *50* %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: *3* FT.

Completed by: *[Signature]*

Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)

DATE: _____

WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: *10/18/2012*

Weather: _____

Temperature: _____

Soil surface: dry, moist, wet, saturated, standing water, frozen, snow covered

17 cows ramp

Guernsey
Duckweed

clump of grass

AGID: 10070

FARM NAME: Old Silvana Creamry LLC

LAGOON ID: Lat:

Long:

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?		X	
a. Due to wave action?		X	
b. In vicinity of waste inlet structure?		X	
c. Due to erosion from rainfall?		✓	
d. Near agitation equipment access points?			
2. Pond was constructed <u>with</u> a liner?			
a. Erosion of liner material?			1
b. Damaged material (holes, tears, seams)?			
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
3. Signs of embankment damage?			
a. Due to burrowing animals?		X	
b. Presence of trees or woody vegetation?		X	
c. Presence of large weeds?	X		
d. Evidence of overtopping of embankment?		X	
e. Evidence of soil erosion or gully on embankment?		X	
f. Evidence of cracks in embankment soils?		X	
g. Damp, soft, or slumping areas on berm?		X	
h. Seepage near bottom of berm slope?		X	
i. Seepage around pipes thru berm?		✓	

COMMENTS:

AGID: 10070

FARM NAME: Old Silvana Creamry LLC

LAGOON ID: Lat:

Long:

OPERATION AND MAINTENANCE

If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in **REPORT** section

SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?			
a. Is liquid level marker visible?		X	
b. Is storage capacity available for freeboard when pond is full?		X	
2. Are manure pump and transfer pipes functioning?			
3. Are recycling pumps and transfer pipes functioning?			
4. Is pond overflow pipe/structure clear and unobstructed?			
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			
6. All roof water or clean runoff is diverted from storage?			
7. Diversions/waterways maintained?			
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?		X	
9. Waste storage pond access fenced and properly marked?		X	
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?	X		
11. Solids managed to <u>prevent</u> plants growing on crust?	X	X	
12. Anaerobic lagoon is purple/pink?	X	X	
13. Actively bubbling?	X		
14. Inlet pipes submerged?	X		
15. Downwind odor from WSP is: <input type="checkbox"/> Strong <input checked="" type="checkbox"/> Unbearable			

COMMENTS:

LAGOON ID: _____ Lat: _____ Long: _____

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH		
4. Footprint - inside top - WIDTH		
5. Embankment - Inside SS		> 2H:1V
6. Embankment - Outside SS		> 2H:1V
7. Embankment – Top Width		
8. Embankment – Maximum Fill Height		
9. Maximum Excavation Depth		
10. Total POND Depth		
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA		
12. Inlet type and location: Pipe, Flume, Scrape/slab, Overflow 'T', Other		
13. Outlet ramp slope and condition: none, earthen, gravel, concrete, other		
14. Pump/agitation site condition		
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: Farm Building, Homes, Roads, Water Coursed		
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		
18. Distance to nearest home/dwelling		
19. Distance to nearest water course		

COMMENTS:

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

(2) Description of structural modification: _____

(3) Describe impact of modification on structural integrity: _____

(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

AGID: 10070

FARM NAME: **Old Silvana Creamry LLC**

Notes, drawings etc

Try to do close-out inspection

D

(Handwritten scribble)

(Handwritten checkmark)

A. Site inventory

LANDOWNER: Larry Mahan Mahan

OPERATOR: **SNODGRASS, TROY**

AGID: **10033** FARM NAME: **QUALITY CATTLE**

LAGOON ID _____ Lat: _____ Long: _____

Phones: Cell: _____ Work: 5037916357

FARM ADDRESS: **12307 VAIL CUTOFF ROAD, RAINIER, WA 98576**

REVIEW INVENTORY DATE: 7/9/12

MANURE/ EFFLUENT LEVEL: 100 %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 1 FT.

Completed by: Dan Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)

DATE: 7/9/12

WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: _____

Weather: Overcast

Temperature: 65

Soil surface: dry, moist, wet, saturated, standing water, frozen, snow covered

LAGOON ID: Lat: Long:

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?			
b. In vicinity of waste inlet structure?			
c. Due to erosion from rainfall?			
d. Near agitation equipment access points?			
2. Pond was constructed <u>with</u> a liner?			
a. Erosion of liner material?			
b. Damaged material (holes, tears, seams)?			
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
3. Signs of embankment damage?			
a. Due to burrowing animals?			
b. Presence of trees or woody vegetation?			
c. Presence of large weeds?			
d. Evidence of overtopping of embankment?			
e. Evidence of soil erosion or gully on embankment?			
f. Evidence of cracks in embankment soils?			
g. Damp, soft, or slumping areas on berm?			
h. Seepage near bottom of berm slope?			
i. Seepage around pipes thru berm?			

COMMENTS:

LAGOON ID: Lat: Long:

OPERATION AND MAINTENANCE			
If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in REPORT section			
SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?			
a. Is liquid level marker visible?			
b. Is storage capacity available for freeboard when pond is full?			
2. Are manure pump and transfer pipes functioning?			
3. Are recycling pumps and transfer pipes functioning?			
4. Is pond overflow pipe/structure clear and unobstructed?			
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			✓
6. All roof water or clean runoff is diverted from storage?	✓		
7. Diversions/waterways maintained?			✓
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?		✓	
9. Waste storage pond access fenced and properly marked?		✓	
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?	✓		
11. Solids managed to <u>prevent</u> plants growing on crust?		✓	
12. Anaerobic lagoon is purple/pink?	✓		
13. Actively bubbling?	✓		
14. Inlet pipes submerged?	✓		
15. Downwind odor from WSP is:	Strong	Unbearable	

COMMENTS:

B. LAGOON ID: _____ Lat: _____ Long: _____

C. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH	125'	
4. Footprint - inside top - WIDTH	75'	
5. Embankment - Inside SS	unknown	> 2H:1V
6. Embankment - Outside SS	1/4	> 2H:1V
7. Embankment - Top Width	12'	
8. Embankment - Maximum Fill Height	0	
9. Maximum Excavation Depth	15'	
10. Total POND Depth	15'	
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA		
12. Inlet type and location: Pipe, Flume, Scrape/slab, Overflow 'T', Other	Pipe	
13. Outlet ramp slope and condition: <u>none</u> , earthen, gravel, concrete, other		
14. Pump/agitation site condition	good	
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: Farm Building, Homes, Roads, Water Coursed		None
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		No
18. Distance to nearest home/dwelling		200 yds
19. Distance to nearest water course		1 mile

COMMENTS:

AGID: 10033 FARM NAME: QUALITY CATTLE

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

D. Does it appear that the WSP been structurally modified?

YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME: QUALITY CATTLE

(1) Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(2) Date of modification construction? _____

(3) Description of structural modification: _____

(4) Describe impact of modification on structural integrity: _____

(5) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

AGID: 10033 FARM NAME: QUALITY CATTLE

Notes, drawings etc

A. Site inventory

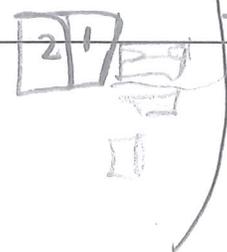
MRI ok to visit ✓
U ✓

SR9

ALM

LANDOWNER: _____

OPERATOR: ALAN SYTSMA 8-10



DND
Albert

AGID: 8368 FARM NAME: UDDER PRIDE DAIRY

LAGOON ID: 8368-1 E Lat:48.943080 Long: -122.322930

Phones: (360) 966-3079 Cell: (360) 815-1540

FARM ADDRESS: 8331 NOOKSACK ROAD EVERSON WA 98247

REVIEW INVENTORY DATE: 9/24/2012

MANURE/ EFFLUENT LEVEL: 50 %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 4 FT.

Completed by: DARK MELLORCE Agency DNMP/WSDA

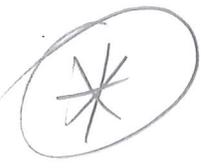
CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)

DATE: _____

WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: 9/24/2012



Weather: Sunny

Temperature: 60

Soil surface: dry, moist, wet, saturated, standing water, frozen, snow covered

Complete inventory questions appropriate to structure, *if no embankment, as in a pit pond, show NA.*

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?		X	
a. Due to wave action?			
b. In vicinity of waste inlet structure?		X	
c. Due to erosion from rainfall?		X	
d. Near agitation equipment access points?			
2. Pond was constructed <u>with</u> a liner?			
a. Erosion of liner material?			
b. Damaged material (holes, tears, seams)?			
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
3. Signs of embankment damage?			
a. Due to burrowing animals?			
b. Presence of trees or woody vegetation?		X	
c. Presence of large weeds?		X	
d. Evidence of overtopping of embankment?		X	
e. Evidence of soil erosion or gully on embankment?		X	
f. Evidence of cracks in embankment soils?		X	
g. Damp, soft, or slumping areas on berm?		X	
h. Seepage near bottom of berm slope?		X	
i. Seepage around pipes thru berm?		X	

COMMENTS:

AGID: 8368

FARM NAME: UDDER PRIDE DAIRY

LAGOON ID: 8368-1

Lat: 48.943080

Long: -122.322930

OPERATION AND MAINTENANCE			
If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in REPORT section			
SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?		X	
a. Is liquid level marker visible?		X	
b. Is storage capacity available for freeboard when pond is full?	X		
2. Are manure pump and transfer pipes functioning?	X		
3. Are recycling pumps and transfer pipes functioning?	X		
4. Is pond overflow pipe/structure clear and unobstructed?	X		
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			X
6. All roof water or clean runoff is diverted from storage?	X		
7. Diversions/waterways maintained?			X
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?		X	
9. Waste storage pond access fenced and properly marked?	X		
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?	X		
11. Solids managed to <u>prevent</u> plants growing on crust?	X		
12. Anaerobic lagoon is purple/pink?		X	
13. Actively bubbling?	X		
14. Inlet pipes submerged?		X	
15. Downwind odor from WSP is:	Strong Unbearable		

COMMENTS:

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH		
4. Footprint - inside top - WIDTH		
5. Embankment - Inside SS	2:1	> 2H:1V
6. Embankment - Outside SS	3:1	> 2H:1V
7. Embankment – Top Width	12	
8. Embankment – Maximum Fill Height	10	
9. Maximum Excavation Depth	?	
10. Total POND Depth	.	
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input checked="" type="checkbox"/> NA		
12. Inlet type and location: <input checked="" type="checkbox"/> Pipe, <input type="checkbox"/> Flume, <input type="checkbox"/> Scrape/slab, <input type="checkbox"/> Overflow 'T', <input type="checkbox"/> Other		
13. Outlet ramp slope and condition: none, earthen, gravel, concrete, other		
14. Pump/agitation site condition		
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: Farm Building, Homes, Roads, Water Coursed		
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		
18. Distance to nearest home/dwelling		
19. Distance to nearest water course		

COMMENTS:

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

(2) Description of structural modification: _____

(3) Describe impact of modification on structural integrity: _____

(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

AGID: 8368

FARM NAME: UDDER PRIDE DAIRY

Notes, drawings etc

A. Site inventory

OK

LANDOWNER: ALAN SYTSMA

AGID: 8368 FARM NAME: UDDER PRIDE DAIRY

LAGOON ID 8368-1 Lat: 48.94308 Long: -122.32293

Telephone Cell 3608151540 Work 360966-3079

FARM ADDRESS: 8331 NOOKSACK ROAD, EVERSON

REVIEW INVENTORY DATE: 3/6/12

MANURE/ EFFLUENT LEVEL: 90 %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 1 FT.

Completed by: Dan Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)

DATE: 3/6/12

WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE:

David Haggeth attended inspection

AGID: 8368 FARM NAME: UDDER PRIDE DAIRY

LAGOON ID 8368-1 Lat: 48.94308 Long: -122.32293

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?			
b. In vicinity of waste inlet structure?			
c. Due to erosion from rainfall?			
d. Near agitation equipment access points?			
2. Pond was constructed without a liner?			
3. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA			
a. Erosion of liner material?			
b. Damaged material (holes, tears, seams)?			
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
4. Signs of embankment damage?			
a. Due to burrowing animals?			
b. Presence of trees or woody vegetation?			
c. Presence of large weeds?			
d. Evidence of overtopping of embankment?			
e. Evidence of soil erosion or gully on embankment?			
f. Evidence of cracks in embankment soils?			
g. Damp, soft, or slumping areas on berm?			
h. Seepage near bottom of berm slope?			
i. Seepage around pipes thru berm?			

COMMENTS:

AGID: 8368 FARM NAME: UDDER PRIDE DAIRY

LAGOON ID 8368-1 Lat: 48.94308 Long: -122.32293

OPERATION AND MAINTENANCE

If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in REPORT section

SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?			
a. Is liquid level marker visible?		X	
b. Is storage capacity available for freeboard when pond is full?	X		
2. Are manure pump and transfer pipes functioning?	X		
3. Are recycling pumps and transfer pipes functioning?	X		
4. Is pond overflow pipe/structure clear and unobstructed?	X		
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			X
6. All roof water or clean runoff is diverted from storage?	X		
7. Diversions/waterways maintained?			X
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?	X		
9. Waste storage pond access fenced and properly marked?	X		
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?		X	
11. Solids managed to prevent plants growing on crust?	X		
12. Anaerobic lagoon is purple/pink?	X		
13. Actively bubbling?	X		
14. Inlet pipes submerged?	X		
15. Downwind odor from WSP is:	<input checked="" type="checkbox"/> None <input type="checkbox"/> Faint <input type="checkbox"/> Distinct <input type="checkbox"/> Strong <input type="checkbox"/> Unbearable		

COMMENTS:

AGID: 8368 FARM NAME: UDDER PRIDE DAIRY

LAGOON ID 8368-1 Lat: 48.94308 Long: -122.32293

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: unknown

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification ⁸⁴
1. Storage capacity at overflow, or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH <u>77 steps</u>	<u>190'</u>	
3. Footprint - inside top - WIDTH <u>58 steps</u>	<u>145'</u>	
4. Embankment - Inside SS	<u>unknown</u>	> 2H:1V
5. Embankment - Outside SS	<u>1/3</u>	> 2H:1V
6. Embankment - Top Width	<u>12'</u>	
7. Embankment - Maximum Fill Height	<u>12'</u>	
8. Maximum Excavation Depth	<u>unknown</u>	
9. Total POND Depth	<u>unknown</u>	
10. Liner type or soil amendment condition	<u>clay - good</u>	
11. Inlet type location and condition	<u>good</u>	
12. Outlet ramp condition	<u>good</u>	
13. Pump/agitation site condition	<u>good</u>	

COMMENTS:

DOES IT APPEAR THAT THE WSP WAS DESIGNED BY NRCS OR MET THE NRCS DESIGN CRITERIA IN PLACE AT THE TIME IT WAS INSTALLED OR LAST MODIFIED?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME: ALAN SYTSMA

(1) Was the WSP modification designed? CIRCLE ONE: YES NO NA
If yes, list: Designer NRC Date _____

(2) Date of modification construction? _____

(3) Description of structural modification: Expanded

(4) Describe impact of modification on structural integrity: none

(5) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : unknown

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

Notes, drawings etc

✓ ✓
A. Site inventory

LANDOWNER: ALAN SYTSMA

AGID: 8368 FARM NAME: UDDER PRIDE DAIRY

LAGOON ID 8368-2 Lat: 48.9437 Long: -122.32379

Telephone Cell 3608151540 Work 360966-3079

FARM ADDRESS: 8331 NOOKSACK ROAD, EVERSON

REVIEW INVENTORY DATE: 3/6/12

MANURE/ EFFLUENT LEVEL: 75 %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 4 FT.

Completed by: Dan Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)

DATE: 3/6/12

WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: _____

David Haggeth attended inspection

AGID: 8368 FARM NAME: UDDER PRIDE DAIRY

LAGOON ID 8368-2 Lat: 48.9437 Long: -122.32379

Complete inventory questions appropriate to structure, *if no embankment, as in a pit pond, show NA.*

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?			
b. In vicinity of waste inlet structure?			
c. Due to erosion from rainfall?			
d. Near agitation equipment access points?			
2. Pond was constructed <u>without</u> a liner?			
3. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA			
a. Erosion of liner material?			
b. Damaged material (holes, tears, seams)?			
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
4. Signs of embankment damage?			
a. Due to burrowing animals?			
b. Presence of trees or woody vegetation?			
c. Presence of large weeds?			
d. Evidence of overtopping of embankment?			
e. Evidence of soil erosion or gully on embankment?			
f. Evidence of cracks in embankment soils?			
g. Damp, soft, or slumping areas on berm?			
h. Seepage near bottom of berm slope?			
i. Seepage around pipes thru berm?			

COMMENTS:

AGID: 8368 FARM NAME: UDDER PRIDE DAIRY

LAGOON ID 8368-2 Lat: 48.9437 Long: -122.32379

OPERATION AND MAINTENANCE			
If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in REPORT section			
SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?			
a. Is liquid level marker visible?		X	
b. Is storage capacity available for freeboard when pond is full?	X		
2. Are manure pump and transfer pipes functioning?	X		
3. Are recycling pumps and transfer pipes functioning?	X		
4. Is pond overflow pipe/structure clear and unobstructed?	X		
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			X
6. All roof water or clean runoff is diverted from storage?	X		
7. Diversions/waterways maintained?			X
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?	X		
9. Waste storage pond access fenced and properly marked?	X	X	
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?		X	
11. Solids managed to prevent plants growing on crust?	X		
12. Anaerobic lagoon is purple/pink?	X		
13. Actively bubbling?	X		
14. Inlet pipes submerged?	X	X	
15. Downwind odor from WSP is:	None	Faint	Distinct
	Strong	Unbearable	

COMMENTS:

AGID: 8368 FARM NAME: UDDER PRIDE DAIRY

LAGOON ID 8368-2 Lat: 48.9437 Long: -122.32379

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: unknown

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification ⁸³
1. Storage capacity at overflow, or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH	130'	
3. Footprint - inside top - WIDTH 525'	185'	
4. Embankment - Inside SS 70' slope	1/1	> 2H:1V
5. Embankment - Outside SS	1/3	> 2H:1V
6. Embankment - Top Width	12'	
7. Embankment - Maximum Fill Height	8'	
8. Maximum Excavation Depth	unknown	
9. Total POND Depth	unknown	
10. Liner type or soil amendment condition	clay - good	
11. Inlet type location and condition	good	
12. Outlet ramp condition	good	
13. Pump/agitation site condition	good	

COMMENTS:

DOES IT APPEAR THAT THE WSP WAS DESIGNED BY NRCS OR MET THE NRCS DESIGN CRITERIA IN PLACE AT THE TIME IT WAS INSTALLED OR LAST MODIFIED?

YES NO

C. Does it appear that the WSP been structurally modified?

 YES X NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME: ALAN SYTSMA

(1) Was the WSP modification designed? CIRCLE ONE: YES NO NA
If yes, list: Designer _____ Date _____

(2) Date of modification construction? _____

(3) Description of structural modification: _____

(4) Describe impact of modification on structural integrity: _____

(5) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

Notes, drawings etc

V

A. Site inventory

LANDOWNER: _____

OPERATOR: **ALAN SYTSMA** 8-1st

AGID: **8368** FARM NAME: **UDDER PRIDE DAIRY**

LAGOON ID: 8368-2 *W* Lat: 48.943700 Long: -122.323790

Phones: (360) 966-3079 Cell: (360) 815-1540

FARM ADDRESS: 8331 NOOKSACK ROAD EVERSON WA 98247

REVIEW INVENTORY DATE: 9/24/2012

MANURE/ EFFLUENT LEVEL: 0 %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 12 FT.

Completed by: PIPK MEUNDOOR Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)

DATE: _____

WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: 9/24/2012

Weather: SUNNY

Temperature: 60

Soil surface: dry, moist, wet, saturated, standing water, frozen, snow covered

Complete inventory questions appropriate to structure, *if no embankment, as in a pit pond, show NA.*

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?		✓	
b. In vicinity of waste inlet structure?		✓	
c. Due to erosion from rainfall?		✓	
d. Near agitation equipment access points?			
2. Pond was constructed <u>with</u> a liner?			
a. Erosion of liner material?			/
b. Damaged material (holes, tears, seams)?			
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
3. Signs of embankment damage?			
a. Due to burrowing animals?		✓	
b. Presence of trees or woody vegetation?		✓	
c. Presence of large weeds?	✓		
d. Evidence of overtopping of embankment?		✓	
e. Evidence of soil erosion or gully on embankment?		✓	
f. Evidence of cracks in embankment soils?		✓	
g. Damp, soft, or slumping areas on berm?		✓	
h. Seepage near bottom of berm slope?		✓	
i. Seepage around pipes thru berm?		✓	

COMMENTS:

AGID: 8368

FARM NAME: UDDER PRIDE DAIRY

LAGOON ID: 8368-2

Lat: 48.943700

Long: -122.323790

OPERATION AND MAINTENANCE

If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in REPORT section

SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?		X	
a. Is liquid level marker visible?		X	
b. Is storage capacity available for freeboard when pond is full?		X	
2. Are manure pump and transfer pipes functioning?	X		
3. Are recycling pumps and transfer pipes functioning?	X		
4. Is pond overflow pipe/structure clear and unobstructed?			X
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			X
6. All roof water or clean runoff is diverted from storage?	X		
7. Diversions/waterways maintained?			X
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?		X	
9. Waste storage pond access fenced and properly marked?	X		
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?	X		
11. Solids managed to <u>prevent</u> plants growing on crust?			
12. Anaerobic lagoon is purple/pink?			
13. Actively bubbling?			
14. Inlet pipes submerged?			
15. Downwind odor from WSP is: <input type="checkbox"/> Strong <input checked="" type="checkbox"/> Unbearable			

COMMENTS:

8a tall grass mostly, some thistle :

AGID: 8368

FARM NAME: UDDER PRIDE DAIRY

LAGOON ID: 8368-2

Lat: 48.943700

Long: -122.323790

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH		
4. Footprint - inside top - WIDTH		
5. Embankment - Inside SS	72:1	> 2H:1V
6. Embankment - Outside SS	4:1	> 2H:1V
7. Embankment - Top Width	12	
8. Embankment - Maximum Fill Height	10	
9. Maximum Excavation Depth	2	
10. Total POND Depth	12	
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA		
12. Inlet type and location: <input checked="" type="checkbox"/> Pipe, <input type="checkbox"/> Flume, <input type="checkbox"/> Scrape/slab, <input type="checkbox"/> Overflow 'T', <input type="checkbox"/> Other		
13. Outlet ramp slope and condition: none, earthen, gravel, concrete, other		
14. Pump/agitation site condition		
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: Farm Building, Homes, Roads, Water Coursed		
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		
18. Distance to nearest home/dwelling		
19. Distance to nearest water course		

COMMENTS:

AGID: 8368

FARM NAME: UDDER PRIDE DAIRY

LAGOON ID: 8368-2

Lat: 48.943700

Long: -122.323790

OPERATION AND MAINTENANCE

If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in REPORT section

SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?		X	
a. Is liquid level marker visible?		X	
b. Is storage capacity available for freeboard when pond is full?		X	
2. Are manure pump and transfer pipes functioning?	X		
3. Are recycling pumps and transfer pipes functioning?	X		
4. Is pond overflow pipe/structure clear and unobstructed?			X
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			X
6. All roof water or clean runoff is diverted from storage?	X		
7. Diversions/waterways maintained?			X
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?		X	
9. Waste storage pond access fenced and properly marked?	X		
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?	X		
11. Solids managed to <u>prevent</u> plants growing on crust?			
12. Anaerobic lagoon is purple/pink?			
13. Actively bubbling?			
14. Inlet pipes submerged?			
15. Downwind odor from WSP is: <input type="checkbox"/> Strong <input type="checkbox"/> Unbearable			

COMMENTS:

8a tall grass mostly, some thistle :

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH		
4. Footprint - inside top - WIDTH		
5. Embankment - Inside SS	72:1	> 2H:1V
6. Embankment - Outside SS	4:1	> 2H:1V
7. Embankment – Top Width	12	
8. Embankment – Maximum Fill Height	10	
9. Maximum Excavation Depth	2	
10. Total POND Depth	12	
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input checked="" type="checkbox"/> NA		
12. Inlet type and location: <input checked="" type="checkbox"/> Pipe, <input type="checkbox"/> Flume, <input type="checkbox"/> Scrape/slab, <input type="checkbox"/> Overflow 'T', <input type="checkbox"/> Other		
13. Outlet ramp slope and condition: none, earthen, gravel, concrete, other		
14. Pump/agitation site condition		
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: Farm Building, Homes, Roads, Water Coursed		
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		
18. Distance to nearest home/dwelling		
19. Distance to nearest water course		

COMMENTS:

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

(2) Description of structural modification: _____

(3) Describe impact of modification on structural integrity: _____

(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

AGID: 8368

FARM NAME: UDDER PRIDE DAIRY

Notes, drawings etc

✓ ✓ 9 am 4/26

12-9-13

A. Site inventory

LANDOWNER: **TIM VANDER VEEN**

AGID: **5328** FARM NAME: **VANDER VEEN DAIRY**

LAGOON ID **5328-1** Lat: **48.97916** Long: **-122.39456**

Telephone Cell **3603031752** Work **360354-5470**

FARM ADDRESS: 1730 PANGBORN ROAD, LYNDEN

REVIEW INVENTORY DATE: 4-26

MANURE/ EFFLUENT LEVEL: 40-50 %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 6 FT.

Completed by: MICHAEL Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:



WSP is FULL (Typically late winter or early spring)

DATE: 4/26/12



WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: _____

AGID: 5328 FARM NAME: VANDER VEEN DAIRY

LAGOON ID 5328-1 Lat: 48.97916 Long: -122.39456

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?		↓	
a. Due to wave action?			
b. In vicinity of waste inlet structure?			
c. Due to erosion from rainfall?			
d. Near agitation equipment access points?			
2. Pond was constructed without a liner?	X	↓	
3. Circle liner type or NA: <input type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA			
a. Erosion of liner material?		↓	
b. Damaged material (holes, tears, seams)?			
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
4. Signs of embankment damage?		↓	
a. Due to burrowing animals?		X	
b. Presence of trees or woody vegetation?		X	
c. Presence of large weeds?		X	
d. Evidence of overtopping of embankment?		X	
e. Evidence of soil erosion or gully on embankment?		X	
f. Evidence of cracks in embankment soils?		X	
g. Damp, soft, or slumping areas on berm?	X		
h. Seepage near bottom of berm slope?		X	
i. Seepage around pipes thru berm?		X	

COMMENTS:

2. TIM WAS UNSURE WHETHER ORIG. LAGOON HAD CLAY LINER

4 g. SOME MINOR SLUMPING DUE TO CATTLE GRAZING → THIS SPRING

AGID: 5328 FARM NAME: VANDER VEEN DAIRY

LAGOON ID 5328-1 Lat: 48.97916 Long: -122.39456

OPERATION AND MAINTENANCE			
If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in REPORT section			
SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?		X	
a. Is liquid level marker visible?		X	
b. Is storage capacity available for freeboard when pond is full?	X		
2. Are manure pump and transfer pipes functioning?	X		
3. Are recycling pumps and transfer pipes functioning?			X
4. Is pond overflow pipe/structure clear and unobstructed?			X
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			X
6. All roof water or clean runoff is diverted from storage?	X		
7. Diversions/waterways maintained?			X
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?	X		
9. Waste storage pond access fenced and properly marked?	X		
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?	X		
11. Solids managed to <u>prevent</u> plants growing on crust?	X		
12. Anaerobic lagoon is purple/pink?	X		
13. Actively bubbling?	X		
14. Inlet pipes submerged?	X		
15. Downwind odor from WSP is:	<input checked="" type="checkbox"/> None <input type="checkbox"/> Faint <input type="checkbox"/> Distinct <input type="checkbox"/> Strong <input type="checkbox"/> Unbearable		

COMMENTS:

INLET DESIGN - SEE BACK

AGID: 5328 FARM NAME: VANDER VEEN DAIRY

LAGOON ID 5328-1 Lat: 48.97916 Long: -122.39456

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: NRCS DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: 1985 GUESS

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification ²⁴⁴
1. Storage capacity at overflow, or crest elevation if no spillway.	?	Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH	175 NS	
3. Footprint - inside top - WIDTH	175 EW	
4. Embankment - Inside SS	2.5	> 2H:1V
5. Embankment - Outside SS	2.5	> 2H:1V
6. Embankment - Top Width	8	
7. Embankment - Maximum Fill Height	6	
8. Maximum Excavation Depth	5	
9. Total POND Depth	11 EST	
10. Liner type or soil amendment condition	CLAY?	
11. Inlet type location and condition	GOOD	
12. Outlet ramp condition	NA	
13. Pump/agitation site condition	GOOD - NW+SE	

COMMENTS:

DOES IT APPEAR THAT THE WSP WAS DESIGNED BY NRCS OR MET THE NRCS DESIGN CRITERIA IN PLACE AT THE TIME IT WAS INSTALLED OR LAST MODIFIED?

YES NO

C. Does it appear that the WSP been structurally modified?

 YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME: TIM VANDER VEEN

(1) Was the WSP modification designed? CIRCLE ONE: YES NO NA
If yes, list: Designer _____ Date _____

(2) Date of modification construction? _____

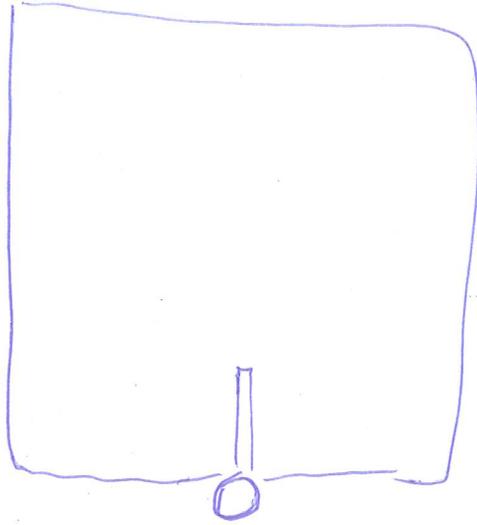
(3) Description of structural modification: _____

(4) Describe impact of modification on structural integrity: _____

(5) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

Notes, drawings etc



A. Site inventory

LANDOWNER: _____

Pangborn

OPERATOR: TIM VANDER VEEN *8-10*

AGID: **5328** FARM NAME: VANDER VEEN DAIRY

*(was busy scraping did not meet)
Need GPS ✓*

LAGOON ID: 5328-1

Lat: 48.979160

Long: -122.394560

Phones: (360) 354-5470 Cell: (360) 303-1752

FARM ADDRESS: 1730 PANGBORN ROAD LYNDEN WA 98264

REVIEW INVENTORY DATE: 9/25/2012

MANURE/ EFFLUENT LEVEL: 10 %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 8 FT.

Completed by: DICK MEULBLOK Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:



WSP is FULL (Typically late winter or early spring)

DATE: _____



WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: 9/25/2012

Weather: Overcast

Temperature: 54

Soil surface: dry, moist, wet, saturated, standing water, frozen, snow covered

Complete inventory questions appropriate to structure, *if no embankment, as in a pit pond, show NA.*

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?		X	
a. Due to wave action?		X	
b. In vicinity of waste inlet structure?		X	
c. Due to erosion from rainfall?			
d. Near agitation equipment access points?		X	
2. Pond was constructed <u>with</u> a liner?			
a. Erosion of liner material?			/
b. Damaged material (holes, tears, seams)?			/
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			/
3. Signs of embankment damage?			
a. Due to burrowing animals?		X	
b. Presence of trees or woody vegetation?		X	
c. Presence of large weeds?		X	
d. Evidence of overtopping of embankment?		X	
e. Evidence of soil erosion or gully on embankment?		X	
f. Evidence of cracks in embankment soils?		X	
g. Damp, soft, or slumping areas on berm?		X	
h. Seepage near bottom of berm slope?		X	
i. Seepage around pipes thru berm?		X	

COMMENTS:

AGID: 5328

FARM NAME: VANDER VEEN DAIRY

LAGOON ID: 5328-1

Lat:48.979160

Long: -122.394560

OPERATION AND MAINTENANCE

If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in REPORT section

SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?		X	
a. Is liquid level marker visible?		X	
b. Is storage capacity available for freeboard when pond is full?		X	
2. Are manure pump and transfer pipes functioning?	X		
3. Are recycling pumps and transfer pipes functioning?	X		
4. Is pond overflow pipe/structure clear and unobstructed?			X
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			X
6. All roof water or clean runoff is diverted from storage?	X		
7. Diversions/waterways maintained?			X
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?	X		
9. Waste storage pond access fenced and properly marked?	X		
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?	X		
11. Solids managed to prevent plants growing on crust?	X		
12. Anaerobic lagoon is purple/pink?		X	
13. Actively bubbling?	X		
14. Inlet pipes submerged?	X		
15. Downwind odor from WSP is:	Strong Unbearable		

COMMENTS:

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH		
4. Footprint - inside top - WIDTH		
5. Embankment - Inside SS	7:2:1	> 2H:1V
6. Embankment - Outside SS	3:1	> 2H:1V
7. Embankment – Top Width	12	
8. Embankment – Maximum Fill Height	6	
9. Maximum Excavation Depth	6	
10. Total POND Depth	12	
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA		
12. Inlet type and location: Pipe, Flume, Scrape/slab, Overflow 'T', Other		
13. Outlet ramp slope and condition: none, earthen, gravel, concrete, other		
14. Pump/agitation site condition	✓	
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: Farm Building, Homes, Roads, Water Coursed		
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		
18. Distance to nearest home/dwelling		
19. Distance to nearest water course		

COMMENTS:

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

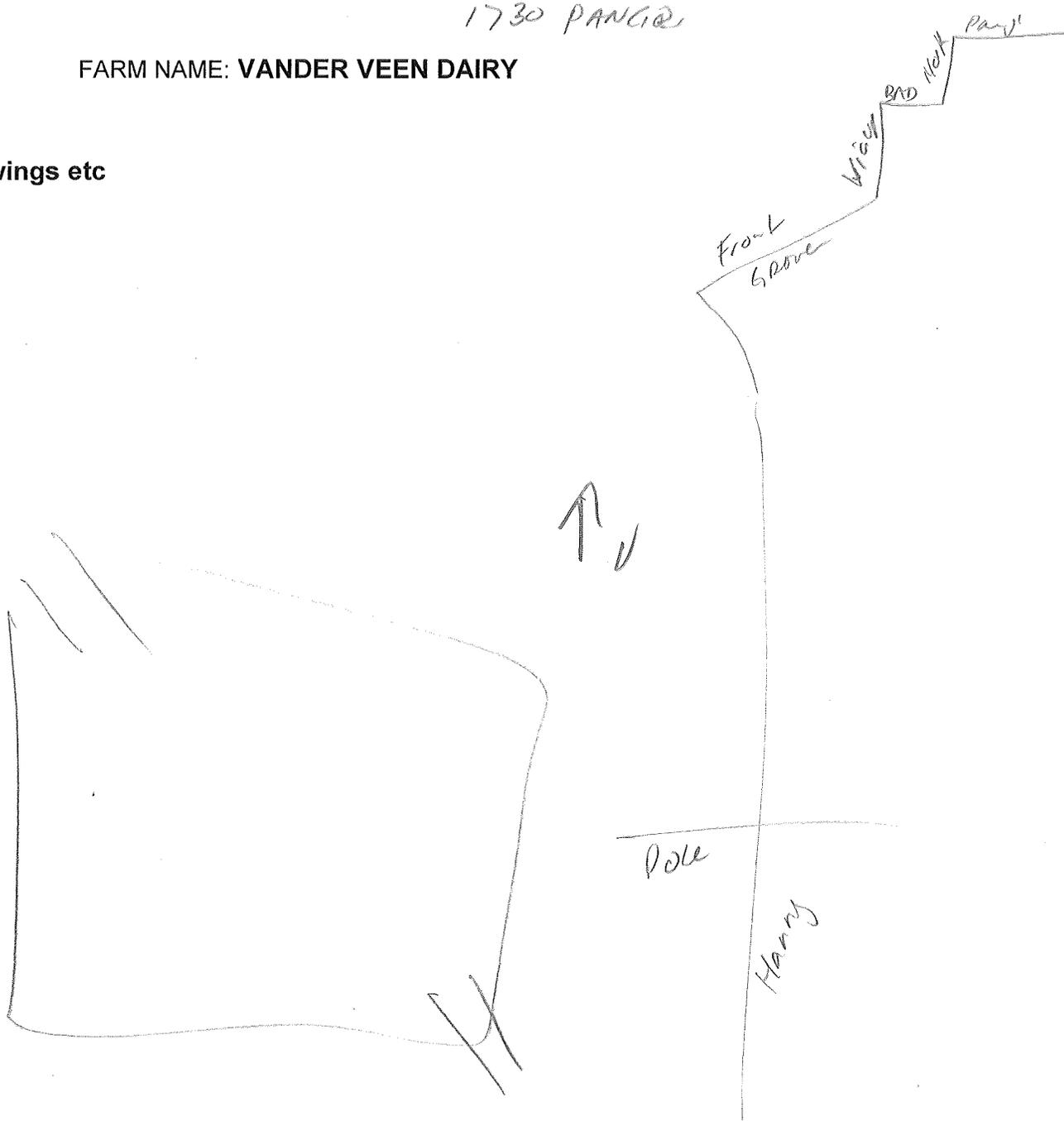
(2) Description of structural modification: _____

(3) Describe impact of modification on structural integrity: _____

(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

Notes, drawings etc



8-10

2009 003



A. Site inventory

LANDOWNER: Delbert & Karen Heutink

OPERATOR: DELBERT

AGID: **8975** FARM NAME: **VEDDER MOUNTAIN DAIRY**

LAGOON ID | Lat: 49.00197 Long: 122.16027
Phones: Cell:

FARM ADDRESS: 5988 JONES ROAD, SUMAS, WA 98295-9407

REVIEW INVENTORY DATE: 7-18

MANURE/ EFFLUENT LEVEL: 80 %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 3 FT.

Completed by: MICHAEL Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)

DATE: 7-18-2012

WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: _____

Weather: cloudy

Temperature: 62

Soil surface: dry, moist, wet, saturated, standing water, frozen, snow covered

AGID: 8975

FARM NAME: VEDDER MOUNTAIN DAIRY

LAGOON ID:

Lat:

Long:

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW

If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in **REPORT** section.

SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?		X	
a. Due to wave action?		X	
b. In vicinity of waste inlet structure?		X	
c. Due to erosion from rainfall?		X	
d. Near agitation equipment access points?		✓	
2. Pond was constructed <u>with</u> a liner? <i>ON-SITE CLAY</i>	X		
a. Erosion of liner material?			X
b. Damaged material (holes, tears, seams)?			X
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			X
3. Signs of embankment damage?		X	
a. Due to burrowing animals?		X	
b. Presence of trees or woody vegetation?		X	
c. Presence of large weeds?	X		
d. Evidence of overtopping of embankment?		X	
e. Evidence of soil erosion or gully on embankment?		X	
f. Evidence of cracks in embankment soils?		X	
g. Damp, soft, or slumping areas on berm?		X	
h. Seepage near bottom of berm slope?		X	
i. Seepage around pipes thru berm?		X	

COMMENTS:

SOME BB OUTSIDE BANKS

LAGOON ID: Lat: Long:

OPERATION AND MAINTENANCE			
If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in REPORT section			
SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?		X	
a. Is liquid level marker visible?		X	
b. Is storage capacity available for freeboard when pond is full?		X	
2. Are manure pump and transfer pipes functioning?	X		
3. Are recycling pumps and transfer pipes functioning?			X
4. Is pond overflow pipe/structure clear and unobstructed?			X
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			X
6. All roof water or clean runoff is diverted from storage?	X		
7. Diversions/waterways maintained?			X
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?		X	
9. Waste storage pond access fenced and properly marked?		X	
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?		X	
11. Solids managed to prevent plants growing on crust?	X		
12. Anaerobic lagoon is purple/pink?	X		
13. Actively bubbling?	X		
14. Inlet pipes submerged?	X		
15. Downwind odor from WSP is:	Strong	Unbearable	

COMMENTS:

AGID: 8975 FARM NAME: VEDDER MOUNTAIN DAIRY

LAGOON ID: Lat: Long:

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: NRCS DATE: MO 80's

DATE ORIGINAL WASTE STORAGE POND COMPLETED: SAME

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.	1,600,000	Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH	170' EW	
4. Footprint - inside top - WIDTH	170' NS	
5. Embankment - Inside SS	2:1 ?	> 2H:1V
6. Embankment - Outside SS	2:1	> 2H:1V
7. Embankment - Top Width	8	
8. Embankment - Maximum Fill Height	12	
9. Maximum Excavation Depth	12	
10. Total POND Depth	12	
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA	NATIVE CLAY	
12. Inlet type and location: <input checked="" type="checkbox"/> Pipe, <input type="checkbox"/> Flume, <input type="checkbox"/> Scrape/slab, <input type="checkbox"/> Overflow 'T', <input type="checkbox"/> Other	BOTTOM	
13. Outlet ramp slope and condition: <input checked="" type="checkbox"/> none, <input type="checkbox"/> earthen, <input type="checkbox"/> gravel, <input type="checkbox"/> concrete, <input type="checkbox"/> other		
14. Pump/agitation site condition	GOOD	
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: <input checked="" type="checkbox"/> Farm Building, <input type="checkbox"/> Homes, <input type="checkbox"/> Roads, <input checked="" type="checkbox"/> Water Coursed		
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		NO
18. Distance to nearest home/dwelling		420' IN CANADA
19. Distance to nearest water course		10'

MOVED
CUSTOM PUMPER

COMMENTS:

IMMEDIATELY REEVALUATE TO DRAIN SLOUGH @ BORDERS - W-NW LAGOON EMBANKMENT DROPS TO SLOUGH

SEE DRAWINGS

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

(2) Description of structural modification: _____

(3) Describe impact of modification on structural integrity: _____

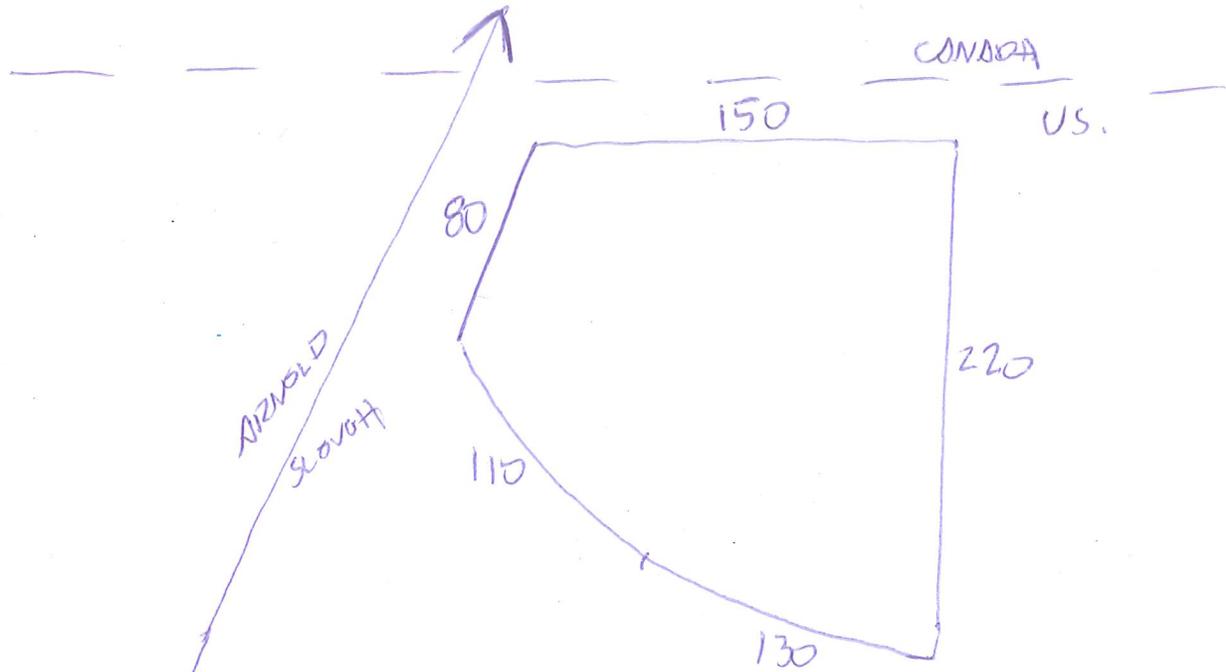
(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

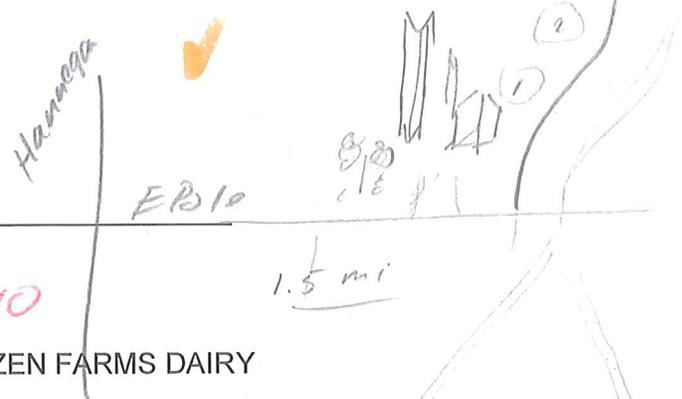
AGID: 8975

FARM NAME: VEDDER MOUNTAIN DAIRY

Notes, drawings etc



A. Site inventory



LANDOWNER: _____

OPERATOR: JASON VANDER VEEN

8-10

AGID: 10046

FARM NAME: VEEN HUIZEN FARMS DAIRY

LAGOON ID: 10046-1

S

Lat: 48.891990

Long: -122.411120

Phones: (360) 354-1194 Cell: (360) 319-9310

FARM ADDRESS: 1464 E POLE ROAD EVERSON WA 98247

REVIEW INVENTORY DATE: 10/9/2012

MANURE/ EFFLUENT LEVEL: 15 %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 10 FT.

Completed by: D. M. E. U. C. B. U. O. F. Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:



WSP is FULL (Typically late winter or early spring)

DATE: _____



WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: 10/9/2012

Weather: Fog

Temperature: 44

Soil surface: dry, moist, wet, saturated, standing water, frozen, snow covered

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?		X	
a. Due to wave action?		X	
b. In vicinity of waste inlet structure?		X	
c. Due to erosion from rainfall?			
d. Near agitation equipment access points?			
2. Pond was constructed <u>with</u> a liner?		X	
a. Erosion of liner material?			/
b. Damaged material (holes, tears, seams)?			/
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			/
3. Signs of embankment damage?			
a. Due to burrowing animals?		X	
b. Presence of trees or woody vegetation?	X		
c. Presence of large weeds?	X		
d. Evidence of overtopping of embankment?		X	
e. Evidence of soil erosion or gully on embankment?	X		
f. Evidence of cracks in embankment soils?		X	
g. Damp, soft, or slumping areas on berm?		X	
h. Seepage near bottom of berm slope?		X	
i. Seepage around pipes thru berm?		X	

COMMENTS:

Lots of BP's corner two barns
and inlet pipe

OPERATION AND MAINTENANCE			
If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in REPORT section			
SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?			
a. Is liquid level marker visible?		X	
b. Is storage capacity available for freeboard when pond is full?		X	
2. Are manure pump and transfer pipes functioning?	X		
3. Are recycling pumps and transfer pipes functioning?	X		
4. Is pond overflow pipe/structure clear and unobstructed?	X		
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			X
6. All roof water or clean runoff is diverted from storage?		X	
7. Diversions/waterways maintained?			X
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?		X	
9. Waste storage pond access fenced and properly marked?		X	
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?	X		
11. Solids managed to <u>prevent</u> plants growing on crust?	X		
12. Anaerobic lagoon is purple/pink?		X	
13. Actively bubbling?	X		
14. Inlet pipes submerged?		X	
15. Downwind odor from WSP is:	<input type="checkbox"/> Strong <input checked="" type="checkbox"/> Unbearable		

COMMENTS:

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH		
4. Footprint - inside top - WIDTH		
5. Embankment - Inside SS		> 2H:1V
6. Embankment - Outside SS		> 2H:1V
7. Embankment – Top Width		
8. Embankment – Maximum Fill Height		
9. Maximum Excavation Depth		
10. Total POND Depth		
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA		
12. Inlet type and location: Pipe, Flume, Scrape/slab, Overflow 'T', Other		
13. Outlet ramp slope and condition: none, earthen, gravel, concrete, other		
14. Pump/agitation site condition		
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: Farm Building, Homes, Roads, Water Coursed		
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		
18. Distance to nearest home/dwelling		
19. Distance to nearest water course		

COMMENTS:

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

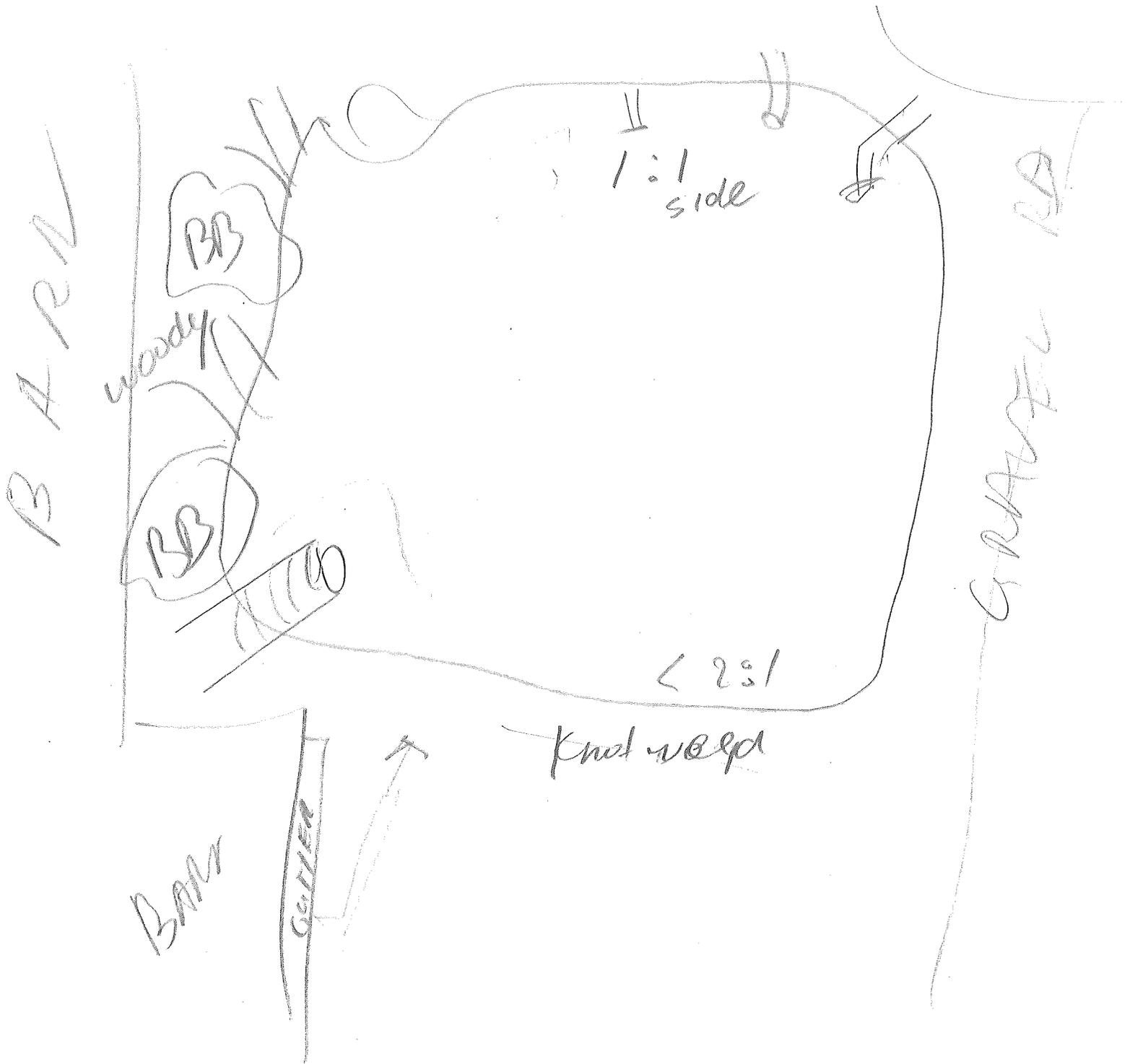
(2) Description of structural modification: _____

(3) Describe impact of modification on structural integrity: _____

(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

Notes, drawings etc



A. Site inventory

Season



cm

LANDOWNER: **DAVID VANDER VEEN**

AGID: **10046** FARM NAME: **VEEN HUIZEN FARMS DAIRY**

LAGOON ID **10046-2** Lat: **48.89199** Long: **-122.41112**

Telephone Cell **3603199310** Work **360354-1194**

FARM ADDRESS: 1464 E POLE ROAD, EVERSON

REVIEW INVENTORY DATE: 2/6

MANURE/ EFFLUENT LEVEL: 50 %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 4 FT.

Completed by: Dar Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:



WSP is FULL (Typically late winter or early spring)

DATE: 2/6/12



WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: _____

AGID: 10046 FARM NAME: VEEN HUIZEN FARMS DAIRY

LAGOON ID 10046-2 Lat: 48.89199 Long: -122.41112

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?			
b. In vicinity of waste inlet structure?			
c. Due to erosion from rainfall?			
d. Near agitation equipment access points?			
2. Pond was constructed <u>without</u> a liner?			
3. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA			
a. Erosion of liner material?			
b. Damaged material (holes, tears, seams)?			
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
4. Signs of embankment damage?			
a. Due to burrowing animals?			
b. Presence of trees or woody vegetation?	X		
c. Presence of large weeds?	X		
d. Evidence of overtopping of embankment?			
e. Evidence of soil erosion or gully on embankment?			
f. Evidence of cracks in embankment soils?			
g. Damp, soft, or slumping areas on berm?			
h. Seepage near bottom of berm slope?			
i. Seepage around pipes thru berm?			

COMMENTS:

Small tree on SE corner + black berries all around

AGID: 10046 FARM NAME: VEEN HUIZEN FARMS DAIRY

LAGOON ID 10046-2 Lat: 48.89199 Long: -122.41112

OPERATION AND MAINTENANCE			
If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in REPORT section			
SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?		<input checked="" type="checkbox"/>	
a. Is liquid level marker visible?		<input checked="" type="checkbox"/>	
b. Is storage capacity available for freeboard when pond is full?	<input checked="" type="checkbox"/>		
2. Are manure pump and transfer pipes functioning?	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
3. Are recycling pumps and transfer pipes functioning?	<input checked="" type="checkbox"/>		
4. Is pond overflow pipe/structure clear and unobstructed?	<input checked="" type="checkbox"/>		
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			<input checked="" type="checkbox"/>
6. All roof water or clean runoff is diverted from storage?	<input checked="" type="checkbox"/>		
7. Diversions/waterways maintained?			<input checked="" type="checkbox"/>
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?	<input checked="" type="checkbox"/>		
9. Waste storage pond access fenced and properly marked?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?		<input checked="" type="checkbox"/>	
11. Solids managed to prevent plants growing on crust?	<input checked="" type="checkbox"/>		
12. Anaerobic lagoon is purple/pink?			
13. Actively bubbling?			
14. Inlet pipes submerged?		<input checked="" type="checkbox"/>	
15. Downwind odor from WSP is:	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Faint	<input type="checkbox"/> Distinct
		<input type="checkbox"/> Strong	<input type="checkbox"/> Unbearable

COMMENTS:

Not fenced

Additional comment lines (shaded green):

AGID: 10046 FARM NAME: VEEN HUIZEN FARMS DAIRY

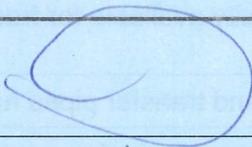
LAGOON ID 10046-2 Lat: 48.89199 Long: -122.41112

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: unknown

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification ⁹²
1. Storage capacity at overflow, or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH <u>90 steps</u>	<u>200'</u>	
3. Footprint - inside top - WIDTH <u>67 steps</u>	<u>168'</u>	
4. Embankment - Inside SS	<u>1/2</u>	> 2H:1V
5. Embankment - Outside SS	<u>Ground level</u>	> 2H:1V
6. Embankment - Top Width	<u>20'</u>	
7. Embankment - Maximum Fill Height	<u>0</u>	
8. Maximum Excavation Depth	<u>unknown</u>	
9. Total POND Depth	<u>unknown</u>	
10. Liner type or soil amendment condition	<u>soil</u>	
11. Inlet type location and condition	<u>good</u>	
12. Outlet ramp condition	<u>good</u>	
13. Pump/agitation site condition	<u>good</u>	

COMMENTS:

DOES IT APPEAR THAT THE WSP WAS DESIGNED BY NRCS OR MET THE NRCS DESIGN CRITERIA IN PLACE AT THE TIME IT WAS INSTALLED OR LAST MODIFIED?

YES NO

C. Does it appear that the WSP been structurally modified?

 YES X NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME: DAVID VANDER VEEN

(1) Was the WSP modification designed? CIRCLE ONE: YES NO NA
If yes, list: Designer _____ Date _____

(2) Date of modification construction? _____

(3) Description of structural modification: _____

(4) Describe impact of modification on structural integrity: _____

(5) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

Notes, drawings etc

✓
 
 A. Site inventory *Jason*

LANDOWNER: **DAVID VANDER VEEN**

AGID: **10046** FARM NAME: **VEEN HUIZEN FARMS DAIRY**

Lm

LAGOON ID **10046-1** Lat: **48.89199** Long: **-122.41112**

Telephone Cell **3603199310** Work **360354-1194**

FARM ADDRESS: 1464 E POLE ROAD, EVERSON

REVIEW INVENTORY DATE: 3/6/12

MANURE/ EFFLUENT LEVEL: 75 %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 3 FT.

Completed by: Don Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)

DATE: 3/6/12

WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: _____

AGID: 10046 FARM NAME: VEEN HUIZEN FARMS DAIRY

LAGOON ID 10046-1 Lat: 48.89199 Long: -122.41112

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?		X	
b. In vicinity of waste inlet structure?		X	
c. Due to erosion from rainfall?		X	
d. Near agitation equipment access points?		X	
2. Pond was constructed <u>without</u> a liner?	YES	X	
3. Circle liner type or NA	<input checked="" type="checkbox"/> Compacted Clay	<input type="checkbox"/> Flexible Membrane	<input type="checkbox"/> Bentonite Amendment
a. Erosion of liner material?		X	
b. Damaged material (holes, tears, seams)?		X	
c. Damage from pressure under liner (slumps, bulges, boils, whales)?		X	
4. Signs of embankment damage?			
a. Due to burrowing animals?		X	
b. Presence of trees or woody vegetation?	X	X	
c. Presence of large weeds?		X	
d. Evidence of overtopping of embankment?		X	
e. Evidence of soil erosion or gully on embankment?		X	
f. Evidence of cracks in embankment soils?		X	
g. Damp, soft, or slumping areas on berm?		X	
h. Seepage near bottom of berm slope?		X	
i. Seepage around pipes thru berm?		X	

COMMENTS:

Black berries growing on NE corner

AGID: 10046 FARM NAME: VEEN HUIZEN FARMS DAIRY

LAGOON ID 10046-1 Lat: 48.89199 Long: -122.41112

OPERATION AND MAINTENANCE			
If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in REPORT section			
SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?		NO	
a. Is liquid level marker visible?		X	
b. Is storage capacity available for freeboard when pond is full?	X		
2. Are manure pump and transfer pipes functioning?			X
3. Are recycling pumps and transfer pipes functioning?			X
4. Is pond overflow pipe/structure clear and unobstructed?			X
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			X
6. All roof water or clean runoff is diverted from storage?	X		
7. Diversions/waterways maintained?			X
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?	X		
9. Waste storage pond access fenced and properly marked?	X		
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?	X		
11. Solids managed to prevent plants growing on crust?	X		
12. Anaerobic lagoon is purple/pink?			
13. Actively bubbling?			
14. Inlet pipes submerged?	X		
15. Downwind odor from WSP is:	None	Faint	Distinct
	Strong	Unbearable	

COMMENTS:

None
 Faint
 Distinct
 Strong
 Unbearable

COMMENTS:

COMMENTS:

COMMENTS:

COMMENTS:

COMMENTS:

AGID: 10046 FARM NAME: VEEN HUIZEN FARMS DAIRY

LAGOON ID 10046-1 Lat: 48.89199 Long: -122.41112

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: unknown

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification ⁹¹
1. Storage capacity at overflow, or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH <i>65' step</i>	<i>162'</i>	
3. Footprint - inside top - WIDTH <i>62' step</i>	<i>155'</i>	
4. Embankment - Inside SS	<i>1/1</i>	> 2H:1V
5. Embankment - Outside SS	<i>ground level</i>	> 2H:1V
6. Embankment - Top Width	<i>20' face</i>	
7. Embankment - Maximum Fill Height	<i>0</i>	
8. Maximum Excavation Depth	<i>unknown</i>	
9. Total POND Depth	<i>unknown</i>	
10. Liner type or soil amendment condition	<i>soil liner</i>	
11. Inlet type location and condition	<i>pipe/good</i>	
12. Outlet ramp condition	<i>good</i>	
13. Pump/agitation site condition	<i>good</i>	

COMMENTS:

DOES IT APPEAR THAT THE WSP WAS DESIGNED BY NRCS OR MET THE NRCS DESIGN CRITERIA IN PLACE AT THE TIME IT WAS INSTALLED OR LAST MODIFIED?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO ➔ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME: DAVID VANDER VEEN

(1) Was the WSP modification designed? CIRCLE ONE: YES NO NA
If yes, list: Designer _____ Date _____

(2) Date of modification construction? _____

(3) Description of structural modification: _____

(4) Describe impact of modification on structural integrity: _____

(5) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

Notes, drawings etc

A. Site inventory

Mail slip to Mrs

LANDOWNER: _____

OPERATOR: JASON VANDER VEEN

AGID: **10046** FARM NAME: VEEN HUIZEN FARMS DAIRY

LAGOON ID: 10046-2 *N* Lat: 48.891990 Long: -122.411120

Phones: (360) 354-1194 Cell: (360) 319-9310 *2011*

FARM ADDRESS: 1464 E POLE ROAD EVERSON WA 98247

REVIEW INVENTORY DATE: 10/9/2012

MANURE/ EFFLUENT LEVEL: 20 %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 10 FT.

Completed by: DME WBL Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)

DATE: _____

WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: 10/9/2012

Weather: FOG

Temperature: 45

Soil surface: dry, moist, wet, saturated, standing water, frozen, snow covered

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?		X	
a. Due to wave action?		X	
b. In vicinity of waste inlet structure?		X	
c. Due to erosion from rainfall?			
d. Near agitation equipment access points?		X	
2. Pond was constructed <u>with</u> a liner?			
a. Erosion of liner material?			
b. Damaged material (holes, tears, seams)?			
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
3. Signs of embankment damage?			
a. Due to burrowing animals?		X	
b. Presence of trees or woody vegetation?	X		
c. Presence of large weeds?	X		
d. Evidence of overtopping of embankment?		X	
e. Evidence of soil erosion or gully on embankment?		X	
f. Evidence of cracks in embankment soils?		X	
g. Damp, soft, or slumping areas on berm?		X	
h. Seepage near bottom of berm slope?		X	
i. Seepage around pipes thru berm?		X	

COMMENTS:

Large trees NW & SE corner

BB's Es1

3603541194

OPERATION AND MAINTENANCE			
If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in REPORT section			
SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?			
a. Is liquid level marker visible?		X	
b. Is storage capacity available for freeboard when pond is full?		X	
2. Are manure pump and transfer pipes functioning?	X		
3. Are recycling pumps and transfer pipes functioning?	X		
4. Is pond overflow pipe/structure clear and unobstructed?	X		
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			X
6. All roof water or clean runoff is diverted from storage?	X		
7. Diversions/waterways maintained?	X		
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?		X	
9. Waste storage pond access fenced and properly marked?		X	
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?	X		
11. Solids managed to prevent plants growing on crust?	X		
12. Anaerobic lagoon is purple/pink?		X	
13. Actively bubbling?	X		
14. Inlet pipes submerged?	X		
15. Downwind odor from WSP is:	Strong	Unbearable	

COMMENTS:

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH		
4. Footprint - inside top - WIDTH		
5. Embankment - Inside SS		> 2H:1V
6. Embankment - Outside SS		> 2H:1V
7. Embankment – Top Width		
8. Embankment – Maximum Fill Height		
9. Maximum Excavation Depth		
10. Total POND Depth		
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA		
12. Inlet type and location: Pipe, Flume, Scrape/slab, Overflow 'T', Other		
13. Outlet ramp slope and condition: none, earthen, gravel, concrete, other		
14. Pump/agitation site condition		
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: Farm Building, Homes, Roads, Water Coursed		
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		
18. Distance to nearest home/dwelling		
19. Distance to nearest water course		

COMMENTS:

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

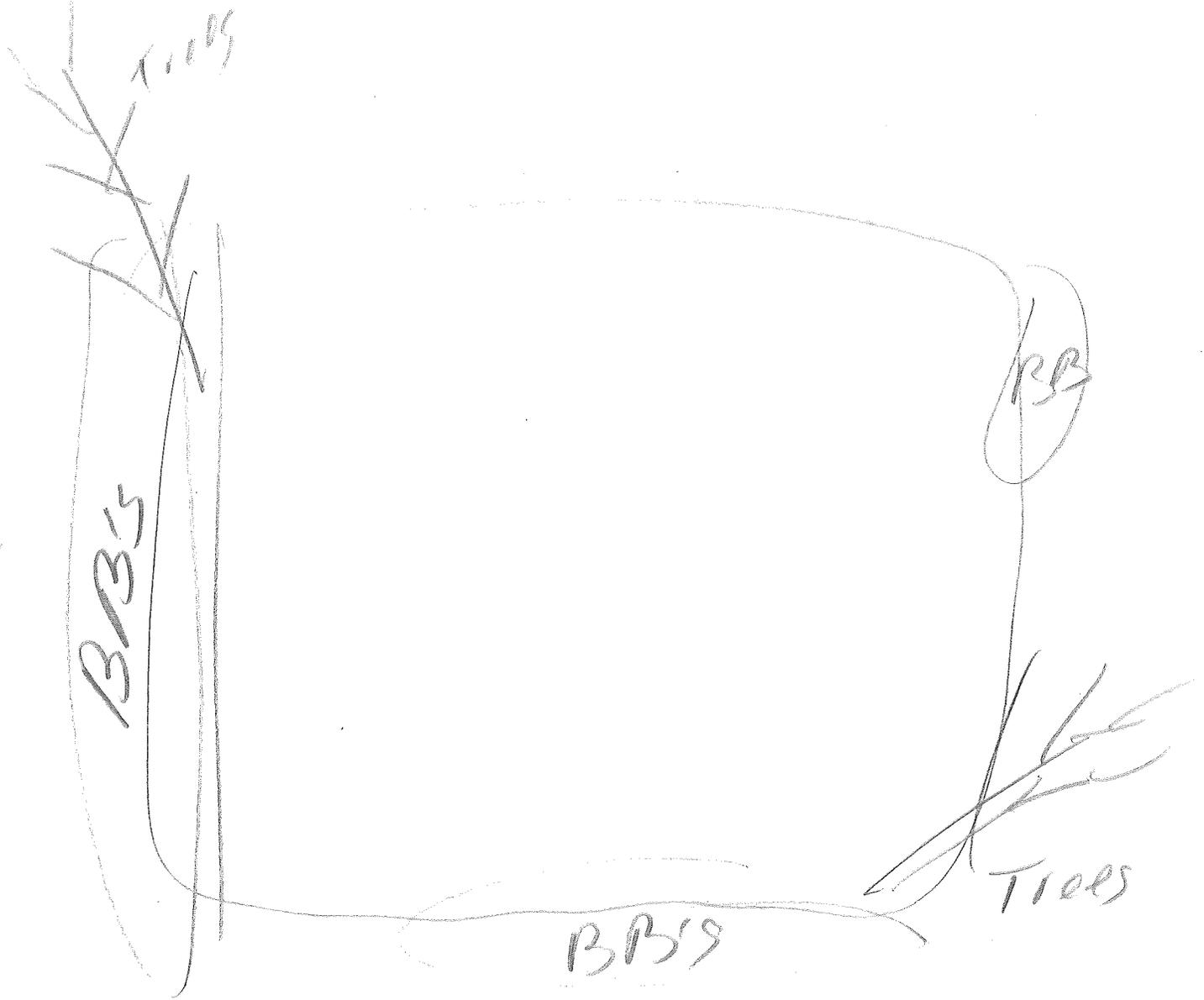
(2) Description of structural modification: _____

(3) Describe impact of modification on structural integrity: _____

(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

Notes, drawings etc



A. Site inventory

LANDOWNER:

OPERATOR: JEREMY VISSER

AGID: **8219** FARM NAME: **VIACRES DAIRY**

LAGOON ID: 8219-2 Lat: 48.999860 Long: -122.166060

Phones: (360) 988-5012 Cell: (360) 410-8888

FARM ADDRESS: 5881 JONES ROAD SUMAS WA 98295

REVIEW INVENTORY DATE: 9/18/2012

MANURE/ EFFLUENT LEVEL: 5 95 %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 12 FT.

Completed by: [Signature] Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)

DATE: _____

WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: 9/18/2012

Weather: Sunny

Temperature: _____

Soil surface: dry, moist, wet, saturated, standing water, frozen, snow covered

3/7 Visit was entered as empty, whereas data (95% level) indicates FULL. Disk migrated data to proper cells.

AGID: 8219

FARM NAME: VIACRES DAIRY

LAGOON ID: 8219-2

Lat: 48.999860

Long: -122.166060

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW

3/7

If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in **REPORT** section.

SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?		X	
a. Due to wave action?		X	
b. In vicinity of waste inlet structure?		X	
c. Due to erosion from rainfall?		X	
d. Near agitation equipment access points?		X	
2. Pond was constructed <u>with</u> a liner?			
a. Erosion of liner material?		X	
b. Damaged material (holes, tears, seams)?		X	
c. Damage from pressure under liner (slumps, bulges, boils, whales)?		X	
3. Signs of embankment damage?			X
a. Due to burrowing animals?		X	
b. Presence of trees or woody vegetation?	X		
c. Presence of large weeds?	X	X	
d. Evidence of overtopping of embankment?		X	
e. Evidence of soil erosion or gully on embankment?		X	
f. Evidence of cracks in embankment soils?		X	
g. Damp, soft, or slumping areas on berm?		X	
h. Seepage near bottom of berm slope?		X	
i. Seepage around pipes thru berm?		X	

COMMENTS:

blackberry in dike

AGID: 8219

FARM NAME: VIACRES DAIRY

LAGOON ID: 8219-2

Lat: 48.999860

Long: -122.166060

OPERATION AND MAINTENANCE

Red=3/7

If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in REPORT section

SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?		<input checked="" type="checkbox"/>	
a. Is liquid level marker visible?		<input checked="" type="checkbox"/>	
b. Is storage capacity available for freeboard when pond is full?	<input checked="" type="checkbox"/>		
2. Are manure pump and transfer pipes functioning?	<input checked="" type="checkbox"/>		
3. Are recycling pumps and transfer pipes functioning?			<input checked="" type="checkbox"/>
4. Is pond overflow pipe/structure clear and unobstructed?	<input checked="" type="checkbox"/>		
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			<input checked="" type="checkbox"/>
6. All roof water or clean runoff is diverted from storage?			<input checked="" type="checkbox"/>
7. Diversions/waterways maintained?			<input checked="" type="checkbox"/>
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?	<input checked="" type="checkbox"/>		
9. Waste storage pond access fenced and properly marked?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?		<input checked="" type="checkbox"/>	
11. Solids managed to <u>prevent</u> plants growing on crust?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
12. Anaerobic lagoon is purple/pink?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
13. Actively bubbling?	<input checked="" type="checkbox"/>		
14. Inlet pipes submerged?		<input checked="" type="checkbox"/>	
15. Downwind odor from WSP is: <input type="text" value="Strong"/> <input type="text" value="Unbearable"/>			

COMMENTS:

AGID: 8219

FARM NAME: VIACRES DAIRY

B. LAGOON ID: 8219-2

Lat: 48.999860

Long: -122.166060

C. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH		
4. Footprint - inside top - WIDTH		
5. Embankment - Inside SS	3 3:1	> 2H:1V
6. Embankment - Outside SS	NA	> 2H:1V
7. Embankment - Top Width	12	
8. Embankment - Maximum Fill Height	14	
9. Maximum Excavation Depth		
10. Total POND Depth		
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input checked="" type="checkbox"/> NA		
12. Inlet type and location: Pipe, Flume, Scrape/slab, Overflow 'T', Other		
13. Outlet ramp slope and condition: none, earthen, gravel, concrete, other		
14. Pump/agitation site condition		
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: Farm Building, Homes, Roads, Water Coursed		
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		
18. Distance to nearest home/dwelling		
19. Distance to nearest water course		

COMMENTS:

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

D. Does it appear that the WSP been structurally modified?

YES NO ➔ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

(2) Description of structural modification: _____

(3) Describe impact of modification on structural integrity: _____

(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

AGID: 8219

FARM NAME: VIACRES DAIRY

Notes, drawings etc



A. Site inventory

LANDOWNER: JEREMY VISSER

AGID: 8219 FARM NAME: VIACRES DAIRY

LAGOON ID 8219-1 Lat: 48.99986 Long: -122.16606

Telephone Cell 0 Work 360988-5012

FARM ADDRESS: 5881 JONES ROAD, SUMAS

REVIEW INVENTORY DATE: 3/7/12

MANURE/ EFFLUENT LEVEL: 95 %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 1 FT.

Completed by: Dan Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:



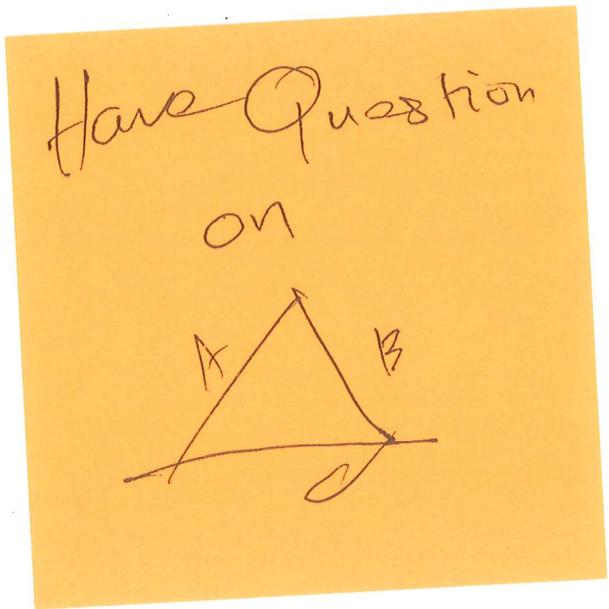
WSP is FULL (Typically late winter or early spring)

DATE: 3/7/12



WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: _____



AGID: 8219 FARM NAME: VIACRES DAIRY

LAGOON ID 8219-1 Lat: 48.99986 Long: -122.16606

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?			
b. In vicinity of waste inlet structure?			
c. Due to erosion from rainfall?			
d. Near agitation equipment access points?			
2. Pond was constructed without a liner?			
3. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA			
a. Erosion of liner material?			
b. Damaged material (holes, tears, seams)?			
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
4. Signs of embankment damage?			
a. Due to burrowing animals?			
b. Presence of trees or woody vegetation?	X		
c. Presence of large weeds?			
d. Evidence of overtopping of embankment?			
e. Evidence of soil erosion or gully on embankment?			
f. Evidence of cracks in embankment soils?			
g. Damp, soft, or slumping areas on berm?			
h. Seepage near bottom of berm slope?			
i. Seepage around pipes thru berm?			

COMMENTS:

2 small trees and blackberries on the dike

AGID: 8219 FARM NAME: VIACRES DAIRY

LAGOON ID 8219-1 Lat: 48.99986 Long: -122.16606

OPERATION AND MAINTENANCE			
If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in REPORT section			
SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?			
a. Is liquid level marker visible?		X	
b. Is storage capacity available for freeboard when pond is full?	X		
2. Are manure pump and transfer pipes functioning?	X		
3. Are recycling pumps and transfer pipes functioning?			X
4. Is pond overflow pipe/structure clear and unobstructed?	X		
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			X
6. All roof water or clean runoff is diverted from storage?	X		
7. Diversions/waterways maintained?			X
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?	X		
9. Waste storage pond access fenced and properly marked?		X	
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?	X		
11. Solids managed to <u>prevent</u> plants growing on crust?	X		
12. Anaerobic lagoon is purple/pink?	X		
13. Actively bubbling?	X		
14. Inlet pipes submerged?	X		
15. Downwind odor from WSP is:	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Faint	<input type="checkbox"/> Distinct
	<input type="checkbox"/> Strong	<input type="checkbox"/> Unbearable	

COMMENTS:

NOT fenced

AGID: 8219 FARM NAME: VIACRES DAIRY

LAGOON ID 8219-1 Lat: 48.99986 Long: -122.16606

B. Summarize review for structural data evaluation

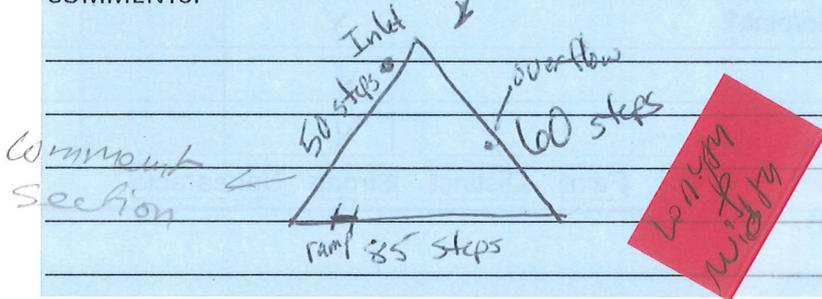
Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: unknown

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification ²⁸⁵
1. Storage capacity at overflow, or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH		
3. Footprint - inside top - WIDTH		
4. Embankment - Inside SS	1/3	> 2H:1V
5. Embankment - Outside SS	1/3	> 2H:1V
6. Embankment - Top Width	12'	
7. Embankment - Maximum Fill Height		
8. Maximum Excavation Depth	12'	
9. Total POND Depth		
10. Liner type or soil amendment condition	Clay - good	
11. Inlet type location and condition	good	
12. Outlet ramp condition	good	
13. Pump/agitation site condition	good	

COMMENTS:



DOES IT APPEAR THAT THE WSP WAS DESIGNED BY NRCS OR MET THE NRCS DESIGN CRITERIA IN PLACE AT THE TIME IT WAS INSTALLED OR LAST MODIFIED?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO ➔ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME: JEREMY VISSER

(1) Was the WSP modification designed? CIRCLE ONE: YES NO NA
If yes, list: Designer _____ Date _____

(2) Date of modification construction? _____

(3) Description of structural modification: _____

(4) Describe impact of modification on structural integrity: _____

(5) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

Notes, drawings etc

AGID: 8219

FARM NAME: VIACRES DAIRY

LAGOON ID: 8219-1

Lat: 48.999860

Long: -122.166060

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW

If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.

Table with 4 columns: SITE INVENTORY QUESTION, YES, NO, NA. Rows include questions about embankment erosion, liner construction, and signs of damage.

3/7

x / 1

COMMENTS:

3/7 comments 2 small trees and RB's on the slicker

AGID: 8219

FARM NAME: VIACRES DAIRY

LAGOON ID: 8219-1

Lat: 48.999860

Long: -122.166060

OPERATION AND MAINTENANCE

If any boxes checked "NO"; make notes of location and identify O & M task to improve management in **REPORT** section

SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?		X	
a. Is liquid level marker visible?		/	
b. Is storage capacity available for freeboard when pond is full?			
2. Are manure pump and transfer pipes functioning?			
3. Are recycling pumps and transfer pipes functioning?			
4. Is pond overflow pipe/structure clear and unobstructed?			
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			
6. All roof water or clean runoff is diverted from storage?			
7. Diversions/waterways maintained?			
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?	X		
9. Waste storage pond access fenced and properly marked?	X		
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?			
11. Solids managed to <u>prevent</u> plants growing on crust?			
12. Anaerobic lagoon is purple/pink?			
13. Actively bubbling?			
14. Inlet pipes submerged?			
15. Downwind odor from WSP is: <input type="checkbox"/> Strong <input type="checkbox"/> Unbearable			

3/9

X
|
| X

X |
| X |

X
|
|
X
|
|

COMMENTS:

AGID: 8219

FARM NAME: VIACRES DAIRY

LAGOON ID: 8219-1

Lat: 48.999860

Long: -122.166060

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - <i>or crest elevation if no spillway.</i>		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH		
4. Footprint - inside top - WIDTH		
5. Embankment - Inside SS		> 2H:1V
6. Embankment - Outside SS		> 2H:1V
7. Embankment – Top Width		
8. Embankment – Maximum Fill Height		
9. Maximum Excavation Depth		
10. Total POND Depth		
11. Circle liner type or NA: <input type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA		
12. Inlet type and location: Pipe, Flume, Scrape/slab, Overflow 'T', Other		
13. Outlet ramp slope and condition: none, earthen, gravel, concrete, other		
14. Pump/agitation site condition		
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: Farm Building, Homes, Roads, Water Coursed		
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		
18. Distance to nearest home/dwelling		
19. Distance to nearest water course		

COMMENTS:

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

(2) Description of structural modification: _____

(3) Describe impact of modification on structural integrity: _____

(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

AGID: 8219

FARM NAME: VIACRES DAIRY

Notes, drawings etc



Viacres
Valley
Rhody

A. Site inventory

LM

LANDOWNER: JEREMY VISSER

AGID: 8219 FARM NAME: VIACRES DAIRY

LAGOON ID 8219-2 Lat: 48.99986 Long: -122.16606

Telephone Cell 0 Work 360988-5012 360-410-8888

FARM ADDRESS: 5881 JONES ROAD, SUMAS

REVIEW INVENTORY DATE: 3/7/12

MANURE/ EFFLUENT LEVEL: 95 %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 1 FT.

Completed by: Dan Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)

DATE: 3/7/12

WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE:

AGID: 8219 FARM NAME: VIACRES DAIRY

LAGOON ID 8219-2 Lat: 48.99986 Long: -122.16606

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?			
b. In vicinity of waste inlet structure?			
c. Due to erosion from rainfall?			
d. Near agitation equipment access points?			
2. Pond was constructed <u>without</u> a liner?			
3. Circle liner type or NA: <u>Compacted Clay</u> Flexible Membrane Bentonite Amendment Other NA			
a. Erosion of liner material?			
b. Damaged material (holes, tears, seams)?			
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
4. Signs of embankment damage?			
a. Due to burrowing animals?			
b. Presence of trees or woody vegetation?	X		
c. Presence of large weeds?			
d. Evidence of overtopping of embankment?			
e. Evidence of soil erosion or gully on embankment?			
f. Evidence of cracks in embankment soils?			
g. Damp, soft, or slumping areas on berm?			
h. Seepage near bottom of berm slope?			
i. Seepage around pipes thru berm?			

COMMENTS:

Black berries in dike

AGID: 8219 FARM NAME: VIACRES DAIRY

LAGOON ID 8219-2 Lat: 48.99986 Long: -122.16606

OPERATION AND MAINTENANCE			
If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in REPORT section			
SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?			
a. Is liquid level marker visible?	-	X	
b. Is storage capacity available for freeboard when pond is full?	X		
2. Are manure pump and transfer pipes functioning?	X		
3. Are recycling pumps and transfer pipes functioning?			X
4. Is pond overflow pipe/structure clear and unobstructed?	X		
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			X
6. All roof water or clean runoff is diverted from storage?	X		
7. Diversions/waterways maintained?			X
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?	X		
9. Waste storage pond access fenced and properly marked?		X	
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?		X	
11. Solids managed to prevent plants growing on crust?	X		
12. Anaerobic lagoon is purple/pink?	X		
13. Actively bubbling?	X		
14. Inlet pipes submerged?		X	
15. Downwind odor from WSP is:	<input checked="" type="checkbox"/> None <input type="checkbox"/> Faint <input type="checkbox"/> Distinct <input type="checkbox"/> Strong <input type="checkbox"/> Unbearable		

COMMENTS:

NOT Fenced

AGID: 8219 FARM NAME: VIACRES DAIRY

LAGOON ID 8219-2 Lat: 48.99986 Long: -122.16606

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: unknown

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification ²⁸⁶
1. Storage capacity at overflow, or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH <u>85 steps</u>	<u>212'</u>	
3. Footprint - inside top - WIDTH <u>64 steps</u>	<u>160'</u>	
4. Embankment - Inside SS	<u>1/2</u>	> 2H:1V
5. Embankment - Outside SS	<u>1/3</u>	> 2H:1V
6. Embankment - Top Width	<u>10'</u>	
7. Embankment - Maximum Fill Height	<u>15'</u>	
8. Maximum Excavation Depth	<u>12'</u>	
9. Total POND Depth	<u>27'</u>	
10. Liner type or soil amendment condition	<u>clay - good</u>	
11. Inlet type location and condition	<u>good</u>	
12. Outlet ramp condition	<u>good</u>	
13. Pump/agitation site condition	<u>good</u>	

COMMENTS:

DOES IT APPEAR THAT THE WSP WAS DESIGNED BY NRCS OR MET THE NRCS DESIGN CRITERIA IN PLACE AT THE TIME IT WAS INSTALLED OR LAST MODIFIED?

YES NO

C. Does it appear that the WSP been structurally modified?

 YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME: JEREMY VISSER

(1) Was the WSP modification designed? CIRCLE ONE: YES NO NA
If yes, list: Designer _____ Date _____

(2) Date of modification construction? _____

(3) Description of structural modification: _____

(4) Describe impact of modification on structural integrity: _____

(5) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

Notes, drawings etc

A. Site inventory

LANDOWNER: **PETER VLAS**

AGID: **9429** FARM NAME: **VLAS DAIRY**

LAGOON ID **9429-2** Lat: **48.96135** Long: **-122.48816**

Telephone Cell **0** Work **360354-2363**

FARM ADDRESS: **8837 GUIDE-MERIDIAN ROAD, LYNDEN**

REVIEW INVENTORY DATE: 3-13-12

MANURE/ EFFLUENT LEVEL: 75% %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 3 FT.

Completed by: Cam Magnus Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)
DATE: 3-13-12

WSP is near empty (Typically late summer or early fall,
depending on operation management)
DATE: _____

AGID: 9429 FARM NAME: VLAS DAIRY

LAGOON ID 9429-2 Lat: 48.96135 Long: -122.48816

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?			
b. In vicinity of waste inlet structure?			
c. Due to erosion from rainfall?			
d. Near agitation equipment access points?			
2. Pond was constructed <u>without</u> a liner?			
3. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA			
a. Erosion of liner material?			
b. Damaged material (holes, tears, seams)?			
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
4. Signs of embankment damage?			
a. Due to burrowing animals?			
b. Presence of trees or woody vegetation?			
c. Presence of large weeds?			
d. Evidence of overtopping of embankment?			
e. Evidence of soil erosion or gully on embankment?			
f. Evidence of cracks in embankment soils?			
g. Damp, soft, or slumping areas on berm?			
h. Seepage near bottom of berm slope?			
i. Seepage around pipes thru berm?			

COMMENTS:

Few moles

AGID: 9429 FARM NAME: VLAS DAIRY

LAGOON ID 9429-2 Lat: 48.96135 Long: -122.48816

OPERATION AND MAINTENANCE			
If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in REPORT section			
SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?		✓	
a. Is liquid level marker visible?		✓	
b. Is storage capacity available for freeboard when pond is full?	✓		
2. Are manure pump and transfer pipes functioning?	✓		
3. Are recycling pumps and transfer pipes functioning?	✓		
4. Is pond overflow pipe/structure clear and unobstructed?	✓		
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?		✓	
6. All roof water or clean runoff is diverted from storage?	✓		
7. Diversions/waterways maintained?	✓		
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?	✓		
9. Waste storage pond access fenced and properly marked?		✓	
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?		✓	
11. Solids managed to prevent plants growing on crust?	✓		
12. Anaerobic lagoon is purple/pink?		✓	
13. Actively bubbling?	✓		
14. Inlet pipes submerged?	✓		
15. Downwind odor from WSP is:	None	Faint	Distinct
			Strong
			Unbearable

COMMENTS:

AGID: 9429 FARM NAME: VLAS DAIRY

LAGOON ID 9429-2 Lat: 48.96135 Long: -122.48816

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification ²⁰³
1. Storage capacity at overflow, or crest elevation if no spillway.	2.5 M	Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH	225	
3. Footprint - inside top - WIDTH	175	
4. Embankment - Inside SS	3:2	> 2H:1V
5. Embankment - Outside SS	3:2	> 2H:1V
6. Embankment - Top Width	10	
7. Embankment - Maximum Fill Height	7	
8. Maximum Excavation Depth	4	
9. Total POND Depth	11 ft	
10. Liner type or soil amendment condition	Clay	
11. Inlet type location and condition	over the top gravity middle	
12. Outlet ramp condition	good	
13. Pump/agitation site condition	good	

COMMENTS: late 90's w NRCS

DOES IT APPEAR THAT THE WSP WAS DESIGNED BY NRCS OR MET THE NRCS DESIGN CRITERIA IN PLACE AT THE TIME IT WAS INSTALLED OR LAST MODIFIED?

____ YES NO

C. Does it appear that the WSP been structurally modified?

 YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME: PETER VLAS

(1) Was the WSP modification designed? CIRCLE ONE: YES NO NA
If yes, list: Designer _____ Date _____

(2) Date of modification construction? _____

(3) Description of structural modification: _____

(4) Describe impact of modification on structural integrity: _____

(5) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

Notes, drawings etc

A. Site inventory

~~Doug V~~
~~(360) 393-7125~~ ✓

LANDOWNER: _____

Peter Vlas

OPERATOR: ~~JEREMY VISSER~~

AGID: **9429** FARM NAME: **VLAS DAIRY**

LAGOON ID: 9429-2 W Lat: 48.961350 Long: -122.488160

Phones: (360) 988-5012 Cell: (360) 410-8888

FARM ADDRESS: 8837 GUIDE-MERIDIAN ROAD LYNDEN WA 98264

REVIEW INVENTORY DATE: 9/12/2012

MANURE/ EFFLUENT LEVEL: 15 %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 8 FT.

Completed by: DM Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)

DATE: _____

WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: 9/12/2012

Weather: 73 Sunny

Temperature: 73

Soil surface: dry, moist, wet, saturated, standing water, frozen, snow covered

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?		X	
b. In vicinity of waste inlet structure?		X	
c. Due to erosion from rainfall?		X	
d. Near agitation equipment access points?		X	
2. Pond was constructed <u>with</u> a liner?			
a. Erosion of liner material?			
b. Damaged material (holes, tears, seams)?			
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
3. Signs of embankment damage?			
a. Due to burrowing animals?		X	
b. Presence of trees or woody vegetation?		X	
c. Presence of large weeds?		X	
d. Evidence of overtopping of embankment?		X	
e. Evidence of soil erosion or gully on embankment?		T	
f. Evidence of cracks in embankment soils?		T	
g. Damp, soft, or slumping areas on berm?		X	
h. Seepage near bottom of berm slope?		X	
i. Seepage around pipes thru berm?		X	

COMMENTS:

AGID: 9429

FARM NAME: VLAS DAIRY

LAGOON ID: 9429-2

Lat: 48.961350

Long: -122.488160

OPERATION AND MAINTENANCE

If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in REPORT section

SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?		X	
a. Is liquid level marker visible?		X	
b. Is storage capacity available for freeboard when pond is full?		X	
2. Are manure pump and transfer pipes functioning?	X		
3. Are recycling pumps and transfer pipes functioning?	X		
4. Is pond overflow pipe/structure clear and unobstructed?	X		
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			X
6. All roof water or clean runoff is diverted from storage?	X		
7. Diversions/waterways maintained?	X		
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?	X		
9. Waste storage pond access fenced and properly marked?	X		
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?	X		
11. Solids managed to <u>prevent</u> plants growing on crust?	X		
12. Anaerobic lagoon is purple/pink?		X	
13. Actively bubbling?	✓		
14. Inlet pipes submerged?	✓		
15. Downwind odor from WSP is: <input type="checkbox"/> Strong <input type="checkbox"/> Unbearable			

COMMENTS:

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.	2,500,000	Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH	175	
4. Footprint - inside top - WIDTH	300	
5. Embankment - Inside SS	2:1	> 2H:1V
6. Embankment - Outside SS	2:1	> 2H:1V
7. Embankment - Top Width		
8. Embankment - Maximum Fill Height		
9. Maximum Excavation Depth	8	
10. Total POND Depth		
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input checked="" type="checkbox"/> NA	Bentonite	
12. Inlet type and location: Pipe, Flume, Scrape/slab, Overflow 'T', Other		
13. Outlet ramp slope and condition: none, earthen, gravel, concrete, other		
14. Pump/agitation site condition		
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: Farm Building, Homes, Roads, Water Coursed		
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		
18. Distance to nearest home/dwelling		
19. Distance to nearest water course		310

COMMENTS:

AGID: 9429 FARM NAME: VLAS DAIRY

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

(2) Description of structural modification: _____

(3) Describe impact of modification on structural integrity: _____

(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

AGID: 9429

FARM NAME: **VLAS DAIRY**

Notes, drawings etc

A. Site inventory

LANDOWNER: **PETER VLAS**

AGID: **9429** FARM NAME: **VLAS DAIRY**

LAGOON ID **9429-1** Lat: **48.96124** Long: **-122.48744**

Telephone Cell **0** Work **360354-2363**

FARM ADDRESS: **8837 GUIDE-MERIDIAN ROAD, LYNDEN**

REVIEW INVENTORY DATE: 3-13-12

MANURE/ EFFLUENT LEVEL: 90% %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 2 FT.

Completed by: Cam McManis Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:



WSP is FULL (Typically late winter or early spring)

DATE: 3-13-12



WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: _____

LM ~~3:00~~ 10:00 US EPA 12

AGID: 9429 FARM NAME: VLAS DAIRY

LAGOON ID 9429-1 Lat: 48.96124 Long: -122.48744

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?		↑	
a. Due to wave action?			
b. In vicinity of waste inlet structure?			
c. Due to erosion from rainfall?			
d. Near agitation equipment access points?			
2. Pond was constructed <u>without</u> a liner?			
3. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA			
a. Erosion of liner material?		✓	
b. Damaged material (holes, tears, seams)?		✓	
c. Damage from pressure under liner (slumps, bulges, boils, whales)?		✓	
4. Signs of embankment damage?		✓	
a. Due to burrowing animals?		✓	
b. Presence of trees or woody vegetation?		✓	
c. Presence of large weeds?		✓	
d. Evidence of overtopping of embankment?		✓	
e. Evidence of soil erosion or gully on embankment?		✓	
f. Evidence of cracks in embankment soils?		✓	
g. Damp, soft, or slumping areas on berm?		✓	
h. Seepage near bottom of berm slope?		✓	
i. Seepage around pipes thru berm?		✓	

COMMENTS:

AGID: 9429 FARM NAME: VLAS DAIRY

LAGOON ID 9429-1 Lat: 48.96124 Long: -122.48744

OPERATION AND MAINTENANCE			
If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in REPORT section			
SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?		✓	
a. Is liquid level marker visible?		✓	
b. Is storage capacity available for freeboard when pond is full?	✓		
2. Are manure pump and transfer pipes functioning?	✓		
3. Are recycling pumps and transfer pipes functioning?	✓		
4. Is pond overflow pipe/structure clear and unobstructed?	✓		
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?		✓	
6. All roof water or clean runoff is diverted from storage?	✓		
7. Diversions/waterways maintained?	✓		
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?	✓		
9. Waste storage pond access fenced and properly marked?		✓	
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?		✓	
11. Solids managed to <u>prevent</u> plants growing on crust?	✓		
12. Anaerobic lagoon is purple/pink?		✓	
13. Actively bubbling?	✓		
14. Inlet pipes submerged?	✓	✓	
15. Downwind odor from WSP is:	None	Faint	Distinct

COMMENTS:

Few mds

AGID: 9429 FARM NAME: VLAS DAIRY

LAGOON ID 9429-1 Lat: 48.96124 Long: -122.48744

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification ²⁰²
1. Storage capacity at overflow, or crest elevation if no spillway.	1.073	Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH	175 225	
3. Footprint - inside top - WIDTH	175 225	
4. Embankment - Inside SS	NA	> 2H:1V
5. Embankment - Outside SS	3:2	> 2H:1V
6. Embankment - Top Width	10 FT	
7. Embankment - Maximum Fill Height	6	
8. Maximum Excavation Depth	4	
9. Total POND Depth	10 FT	
10. Liner type or soil amendment condition	Clay	
11. Inlet type location and condition	NE Corner PVC top	
12. Outlet ramp condition	good	
13. Pump/agitation site condition	good	

COMMENTS:

Early 90's w/ NRCS

DOES IT APPEAR THAT THE WSP WAS DESIGNED BY NRCS OR MET THE NRCS DESIGN CRITERIA IN PLACE AT THE TIME IT WAS INSTALLED OR LAST MODIFIED?

____ YES _____ NO

C. Does it appear that the WSP been structurally modified?

 YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME: PETER VLAS

(1) Was the WSP modification designed? CIRCLE ONE: YES NO NA
If yes, list: Designer _____ Date _____

(2) Date of modification construction? _____

(3) Description of structural modification: _____

(4) Describe impact of modification on structural integrity: _____

(5) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

Notes, drawings etc

A. Site inventory

LANDOWNER: _____

Peter Vlas

OPERATOR: ~~JEREMY VISSER~~

AGID: **9429** FARM NAME: **VLAS DAIRY**

2-4

LAGOON ID: 9429-1 *E* Lat: 48.961240 Long: -122.487440

Phones: (360) 988-5012 Cell: (360) 410-8888

FARM ADDRESS: 8837 GUIDE-MERIDIAN ROAD LYNDEN WA 98264

REVIEW INVENTORY DATE: *9/12/2012*

MANURE/ EFFLUENT LEVEL: *40* %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: *4* FT.

Completed by: *DM* Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)

DATE: _____

WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: *9/12/2012*

Weather: *Sunny*

Temperature: *73*

Soil surface: *dry* moist, wet, saturated, standing water, frozen, snow covered

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?		X	
b. In vicinity of waste inlet structure?		X	
c. Due to erosion from rainfall?		X	
d. Near agitation equipment access points?		X	
2. Pond was constructed <u>with</u> a liner?			
a. Erosion of liner material?			
b. Damaged material (holes, tears, seams)?			
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
3. Signs of embankment damage?			
a. Due to burrowing animals?			
b. Presence of trees or woody vegetation?			
c. Presence of large weeds?			
d. Evidence of overtopping of embankment?			
e. Evidence of soil erosion or gully on embankment?			
f. Evidence of cracks in embankment soils?			
g. Damp, soft, or slumping areas on berm?			
h. Seepage near bottom of berm slope?			
i. Seepage around pipes thru berm?			

COMMENTS:

AGID: 9429

FARM NAME: VLAS DAIRY

LAGOON ID: 9429-1

Lat: 48.961240

Long: -122.487440

OPERATION AND MAINTENANCE			
If any boxes checked "NO"; make notes of location and identify O & M task to improve management in REPORT section			
SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?		X	
a. Is liquid level marker visible?		X	
b. Is storage capacity available for freeboard when pond is full?		X	
2. Are manure pump and transfer pipes functioning?	X		
3. Are recycling pumps and transfer pipes functioning?			X
4. Is pond overflow pipe/structure clear and unobstructed?	X		
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			X
6. All roof water or clean runoff is diverted from storage?			X
7. Diversions/waterways maintained?			X
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?		X	
9. Waste storage pond access fenced and properly marked?	X		
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?	X		
11. Solids managed to prevent plants growing on crust?	X		
12. Anaerobic lagoon is purple/pink?		X	
13. Actively bubbling?	X		
14. Inlet pipes submerged?	X		
15. Downwind odor from WSP is:	Strong Unbearable		

COMMENTS:

AGID: 9429 FARM NAME: VLAS DAIRY

LAGOON ID: 9429-1 Lat: 48.961240 Long: -122.487440

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.	1,073,000	Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH	140	
4. Footprint - inside top - WIDTH	140	
5. Embankment - Inside SS	< 2:1	> 2H:1V
6. Embankment - Outside SS	2:1	> 2H:1V
7. Embankment – Top Width		
8. Embankment – Maximum Fill Height		
9. Maximum Excavation Depth	8	
10. Total POND Depth	8	
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA		
12. Inlet type and location: Pipe, Flume, Scrape/slab, Overflow 'T', Other		
13. Outlet ramp slope and condition: none, earthen, gravel, concrete, other		
14. Pump/agitation site condition		
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: Farm Building, Homes, Roads, Water Coursed		
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		
18. Distance to nearest home/dwelling		
19. Distance to nearest water course		250

COMMENTS:

AGID: 9429 FARM NAME: VLAS DAIRY

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO ➔ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

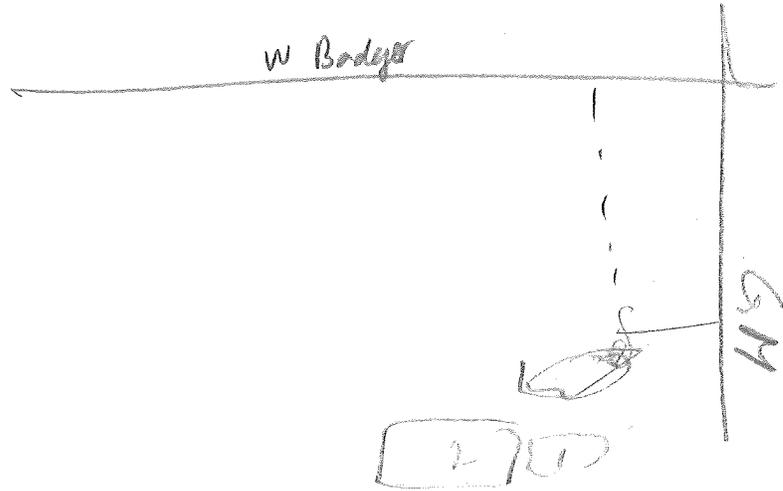
(2) Description of structural modification: _____

(3) Describe impact of modification on structural integrity: _____

(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

Notes, drawings etc



A. Site inventory

LANDOWNER:

OPERATOR: CORNIE VREUGDENHIL

AGID: **2040** FARM NAME: **VREUGDENHIL FARMS DAIRY**

LAGOON ID: 2040-2 Lat: 49.000340 Long: -122.200040

Phones: (360) 988-6815 Cell:

FARM ADDRESS: 5202 JONES ROAD SUMAS WA 98295

REVIEW INVENTORY DATE: 9/18/2012

MANURE/ EFFLUENT LEVEL: 25 %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 7 FT.

Completed by: DARK MULLER Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)

DATE: _____

WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: 9/18/2012

Weather: sunny

Temperature: 70

Soil surface: dry, moist, wet, saturated, standing water, frozen, snow covered

AGID: 2040

FARM NAME: VREUGDENHIL FARMS DAIRY

LAGOON ID: 2040-2

Lat: 49.000340

Long: -122.200040

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW

If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in **REPORT** section.

SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?			
b. In vicinity of waste inlet structure?			
c. Due to erosion from rainfall?			
d. Near agitation equipment access points?			
2. Pond was constructed <u>with</u> a liner?			
a. Erosion of liner material?			
b. Damaged material (holes, tears, seams)?			
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
3. Signs of embankment damage?			
a. Due to burrowing animals?			
b. Presence of trees or woody vegetation?			
c. Presence of large weeds?		X	
d. Evidence of overtopping of embankment?			
e. Evidence of soil erosion or gully on embankment?		X	
f. Evidence of cracks in embankment soils?			
g. Damp, soft, or slumping areas on berm?			
h. Seepage near bottom of berm slope?			
i. Seepage around pipes thru berm?			

COMMENTS:

AGID: 2040

FARM NAME: VREUGDENHIL FARMS DAIRY

LAGOON ID: 2040-2

Lat: 49.000340

Long: -122.200040

OPERATION AND MAINTENANCE			
If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in REPORT section			
SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?		X	
a. Is liquid level marker visible?		X	
b. Is storage capacity available for freeboard when pond is full?		X	
2. Are manure pump and transfer pipes functioning?			
3. Are recycling pumps and transfer pipes functioning?			
4. Is pond overflow pipe/structure clear and unobstructed?			
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			
6. All roof water or clean runoff is diverted from storage?			
7. Diversions/waterways maintained?			
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?	X		
9. Waste storage pond access fenced and properly marked?		X	
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?	X		
11. Solids managed to <u>prevent</u> plants growing on crust?	X		
12. Anaerobic lagoon is purple/pink?		X	
13. Actively bubbling?	X		
14. Inlet pipes submerged?		X	
15. Downwind odor from WSP is:	Strong	Unbearable	

COMMENTS:

AGID: 2040

FARM NAME: VREUGDENHIL FARMS DAIRY

LAGOON ID: 2040-2

Lat: 49.000340

Long: -122.200040

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH		
4. Footprint - inside top - WIDTH		
5. Embankment - Inside SS	2:1	> 2H:1V
6. Embankment - Outside SS	3:1	> 2H:1V
7. Embankment – Top Width		
8. Embankment – Maximum Fill Height		
9. Maximum Excavation Depth		
10. Total POND Depth		
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA		
12. Inlet type and location: Pipe, Flume, Scrape/slab, Overflow 'T', Other		
13. Outlet ramp slope and condition: none, earthen, gravel, concrete, other		
14. Pump/agitation site condition	GOOD	
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: Farm Building, Homes, Roads, Water Coursed		
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		
18. Distance to nearest home/dwelling		
19. Distance to nearest water course		

COMMENTS:

AGID: 2040

FARM NAME: VREUGDENHIL FARMS DAIRY

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

(2) Description of structural modification: _____

(3) Describe impact of modification on structural integrity: _____

(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

AGID: 2040

FARM NAME: VREUGDENHIL FARMS DAIRY

Notes, drawings etc

✓

A. Site inventory

LANDOWNER: CORNIE VREUGDENHIL

AGID: 2040 FARM NAME: VREUGDENHIL FARMS DAIRY

LAGOON ID 2040-2 Lat: 49.00034 Long: -122.20004

Telephone Cell 0 Work 360988-6815

FARM ADDRESS: 5202 JONES ROAD, SUMAS

REVIEW INVENTORY DATE: 3/15/12

MANURE/ EFFLUENT LEVEL: 95 %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 1 FT.

Completed by: Dan Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)

DATE: 3/15/12

WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: _____

~~No one available - so no inspection was done~~

AGID: 2040 FARM NAME: VREUGDENHIL FARMS DAIRY

LAGOON ID 2040-2 Lat: 49.00034 Long: -122.20004

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?			
b. In vicinity of waste inlet structure?			
c. Due to erosion from rainfall?			
d. Near agitation equipment access points?			
2. Pond was constructed without a liner?			
3. Circle liner type or NA:	<input checked="" type="checkbox"/> Compacted Clay	<input type="checkbox"/> Flexible Membrane	<input type="checkbox"/> Bentonite Amendment
a. Erosion of liner material?			
b. Damaged material (holes, tears, seams)?			
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
4. Signs of embankment damage?			
a. Due to burrowing animals?			
b. Presence of trees or woody vegetation?			
c. Presence of large weeds?			
d. Evidence of overtopping of embankment?			
e. Evidence of soil erosion or gully on embankment?			
f. Evidence of cracks in embankment soils?			
g. Damp, soft, or slumping areas on berm?			
h. Seepage near bottom of berm slope?			
i. Seepage around pipes thru berm?			

COMMENTS:

AGID: 2040 FARM NAME: VREUGDENHIL FARMS DAIRY

LAGOON ID 2040-2 Lat: 49.00034 Long: -122.20004

OPERATION AND MAINTENANCE			
If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in REPORT section			
SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?			
a. Is liquid level marker visible?		✓	
b. Is storage capacity available for freeboard when pond is full?	✓		
2. Are manure pump and transfer pipes functioning?	✓		
3. Are recycling pumps and transfer pipes functioning?	✓		
4. Is pond overflow pipe/structure clear and unobstructed?	✓		
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			✓
6. All roof water or clean runoff is diverted from storage?	✓		
7. Diversions/waterways maintained?			✓
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?	✓		
9. Waste storage pond access fenced and properly marked?		✓	
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?		✓	
11. Solids managed to <u>prevent</u> plants growing on crust?			✓
12. Anaerobic lagoon is purple/pink?	✓		
13. Actively bubbling?	✓		
14. Inlet pipes submerged?	✓		
15. Downwind odor from WSP is:	<input type="checkbox"/> None <input checked="" type="checkbox"/> Faint <input type="checkbox"/> Distinct <input type="checkbox"/> Strong <input type="checkbox"/> Unbearable		

COMMENTS:

AGID: 2040 FARM NAME: VREUGDENHIL FARMS DAIRY

LAGOON ID 2040-2 Lat: 49.00034 Long: -122.20004

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification ²⁸⁴
1. Storage capacity at overflow, or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH	N bank 90 steps S bank 150 steps 300'	
3. Footprint - inside top - WIDTH	70 steps 175'	
4. Embankment - Inside SS	full	> 2H:1V
5. Embankment - Outside SS	1/3	> 2H:1V
6. Embankment - Top Width	15'	
7. Embankment - Maximum Fill Height	12'	
8. Maximum Excavation Depth	0	
9. Total POND Depth	12'	
10. Liner type or soil amendment condition	clay - good	
11. Inlet type location and condition	pipe - good	
12. Outlet ramp condition	good	
13. Pump/agitation site condition	good	

COMMENTS:

DOES IT APPEAR THAT THE WSP WAS DESIGNED BY NRCS OR MET THE NRCS DESIGN CRITERIA IN PLACE AT THE TIME IT WAS INSTALLED OR LAST MODIFIED?

YES NO

C. Does it appear that the WSP been structurally modified?

 YES X NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME: CORNIE VREUGDENHIL

(1) Was the WSP modification designed? CIRCLE ONE: YES NO NA
If yes, list: Designer _____ Date _____

(2) Date of modification construction? _____

(3) Description of structural modification: _____

(4) Describe impact of modification on structural integrity: _____

(5) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

Notes, drawings etc

✓

A. Site inventory

LANDOWNER: CORNIE VREUGDENHIL

AGID: 2040 FARM NAME: VREUGDENHIL FARMS DAIRY

LAGOON ID 2040-1 Lat: 49.00034 Long: -122.20004

Telephone Cell 0 Work 360988-6815

FARM ADDRESS: 5202 JONES ROAD, SUMAS

REVIEW INVENTORY DATE: 3/15/12

MANURE/ EFFLUENT LEVEL: 90 %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 1 FT.

Completed by: Dan Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)

DATE: 3/15/12

WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: _____

~~No one available, so no inspection was done~~

Thurs
11:00

AGID: 2040 FARM NAME: VREUGDENHIL FARMS DAIRY

LAGOON ID 2040-1 Lat: 49.00034 Long: -122.20004

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?			
a. Due to wave action?			
b. In vicinity of waste inlet structure?			
c. Due to erosion from rainfall?			
d. Near agitation equipment access points?			
2. Pond was constructed without a liner?			
3. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA			
a. Erosion of liner material?			
b. Damaged material (holes, tears, seams)?			
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
4. Signs of embankment damage?			
a. Due to burrowing animals?			
b. Presence of trees or woody vegetation?			
c. Presence of large weeds?			
d. Evidence of overtopping of embankment?			
e. Evidence of soil erosion or gully on embankment?			
f. Evidence of cracks in embankment soils?			
g. Damp, soft, or slumping areas on berm?			
h. Seepage near bottom of berm slope?			
i. Seepage around pipes thru berm?			

COMMENTS:

AGID: 2040 FARM NAME: VREUGDENHIL FARMS DAIRY

LAGOON ID 2040-1 Lat: 49.00034 Long: -122.20004

OPERATION AND MAINTENANCE			
If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in REPORT section			
SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?			
a. Is liquid level marker visible?		✓	
b. Is storage capacity available for freeboard when pond is full?	✓		
2. Are manure pump and transfer pipes functioning?	✓		
3. Are recycling pumps and transfer pipes functioning?	✓		
4. Is pond overflow pipe/structure clear and unobstructed?	✓		
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			✓
6. All roof water or clean runoff is diverted from storage?	✓		
7. Diversions/waterways maintained?			✓
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?	✓		
9. Waste storage pond access fenced and properly marked?		✓	
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?		✓	
11. Solids managed to prevent plants growing on crust?			✓
12. Anaerobic lagoon is purple/pink?	✓		
13. Actively bubbling?	✓		
14. Inlet pipes submerged?	✓		
15. Downwind odor from WSP is:	None	Faint	Distinct
	Strong	Unbearable	

COMMENTS:

AGID: 2040 FARM NAME: VREUGDENHIL FARMS DAIRY

LAGOON ID 2040-1 Lat: 49.00034 Long: -122.20004

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification ²⁸³
1. Storage capacity at overflow, or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH <i>76 steps</i>	<i>190</i>	
3. Footprint - inside top - WIDTH <i>70 steps</i>	<i>175'</i>	
4. Embankment - Inside SS	<i>Full</i>	> 2H:1V
5. Embankment - Outside SS	<i>1/3</i>	> 2H:1V
6. Embankment - Top Width	<i>15'</i>	
7. Embankment - Maximum Fill Height	<i>12'</i>	
8. Maximum Excavation Depth	<i>0'</i>	
9. Total POND Depth	<i>12'</i>	
10. Liner type or soil amendment condition	<i>dry - good</i>	
11. Inlet type location and condition	<i>Pipe - good</i>	
12. Outlet ramp condition	<i>good</i>	
13. Pump/agitation site condition	<i>good</i>	

COMMENTS:

DOES IT APPEAR THAT THE WSP WAS DESIGNED BY NRCS OR MET THE NRCS DESIGN CRITERIA IN PLACE AT THE TIME IT WAS INSTALLED OR LAST MODIFIED?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME: CORNIE VREUGDENHIL

(1) Was the WSP modification designed? CIRCLE ONE: YES NO NA
If yes, list: Designer _____ Date _____

(2) Date of modification construction? _____

(3) Description of structural modification: _____

(4) Describe impact of modification on structural integrity: _____

(5) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

Notes, drawings etc

From Hillview: N
Rt on Rock
Lt Nims
Lt Jones

A. Site inventory

LANDOWNER:

OPERATOR: CORNIE VREUGDENHIL

AGID: **2040** FARM NAME: **VREUGDENHIL FARMS DAIRY**

LAGOON ID: 2040-1 N Lat: 49.000340 Long: -122.200040

Phones: (360) 988-6815 Cell:

FARM ADDRESS: 5202 JONES ROAD SUMAS WA 98295

REVIEW INVENTORY DATE: 9/18/2012

MANURE/ EFFLUENT LEVEL: 40 %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 3 FT.

Completed by: DIRK M Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)

DATE: _____

WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: 9/18/2012

Weather: SUNNY

Temperature: _____

Soil surface: (C) dry, moist, wet, saturated, standing water, frozen, snow covered

AGID: 2040

FARM NAME: VREUGDENHIL FARMS DAIRY

LAGOON ID: 2040-1

Lat: 49.000340

Long: -122.200040

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW

If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.

Table with 4 columns: SITE INVENTORY QUESTION, YES, NO, NA. Rows include questions about embankment erosion, liner construction, and signs of damage.

COMMENTS:

Berm between 1 & 2 very steep near inlet

AGID: 2040

FARM NAME: VREUGDENHIL FARMS DAIRY

LAGOON ID: 2040-1

Lat: 49.000340

Long: -122.200040

OPERATION AND MAINTENANCE

If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in **REPORT** section

SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?		<input checked="" type="checkbox"/>	
a. Is liquid level marker visible?		<input checked="" type="checkbox"/>	
b. Is storage capacity available for freeboard when pond is full?		<input checked="" type="checkbox"/>	
2. Are manure pump and transfer pipes functioning?	<input checked="" type="checkbox"/>		
3. Are recycling pumps and transfer pipes functioning?	<input checked="" type="checkbox"/>		
4. Is pond overflow pipe/structure clear and unobstructed?	<input checked="" type="checkbox"/>		
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?		<input checked="" type="checkbox"/>	
6. All roof water or clean runoff is diverted from storage?		<input checked="" type="checkbox"/>	
7. Diversions/waterways maintained?		<input checked="" type="checkbox"/>	
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?	<input checked="" type="checkbox"/>		
9. Waste storage pond access fenced and properly marked?		<input checked="" type="checkbox"/>	
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?	<input checked="" type="checkbox"/>		
11. Solids managed to <u>prevent</u> plants growing on crust?	<input checked="" type="checkbox"/>		
12. Anaerobic lagoon is purple/pink?		<input checked="" type="checkbox"/>	
13. Actively bubbling?	<input checked="" type="checkbox"/>		
14. Inlet pipes submerged?		<input checked="" type="checkbox"/>	
15. Downwind odor from WSP is: <input type="checkbox"/> Strong <input type="checkbox"/> Unbearable			

COMMENTS:

AGID: 2040

FARM NAME: VREUGDENHIL FARMS DAIRY

LAGOON ID: 2040-1

Lat: 49.000340

Long: -122.200040

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH		
4. Footprint - inside top - WIDTH		
5. Embankment - Inside SS	< 2:1	> 2H:1V
6. Embankment - Outside SS	> 2:1	> 2H:1V
7. Embankment - Top Width	8	
8. Embankment - Maximum Fill Height		
9. Maximum Excavation Depth	6	
10. Total POND Depth	10	
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA		
12. Inlet type and location: <input checked="" type="checkbox"/> Pipe, <input type="checkbox"/> Flume, <input type="checkbox"/> Scrape/slab, <input type="checkbox"/> Overflow 'T', <input type="checkbox"/> Other		
13. Outlet ramp slope and condition: none, earthen, gravel, concrete, other	NA	
14. Pump/agitation site condition		
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: Farm Building, Homes, Roads, Water Coursed		
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		
18. Distance to nearest home/dwelling		
19. Distance to nearest water course		

COMMENTS:

AGID: 2040

FARM NAME: VREUGDENHIL FARMS DAIRY

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

(2) Description of structural modification: _____

(3) Describe impact of modification on structural integrity: _____

(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

AGID: 2040

FARM NAME: VREUGDENHIL FARMS DAIRY

Notes, drawings etc

$W = L = 1.781$
 $E = 2 = 3.914 \text{ mi}$

A. Site inventory

LANDOWNER:

ZWIERS

OPERATOR:

JAMES ZWIERS

RECEIVED
JUL 27 2012
DAIRY NUTRIENT MANAGEMENT

AGID:

2-5

FARM NAME:

2-DAIRY

LAGOON ID

2-5

Lat:

Long:

Phones:

Cell:

360-393-1940

FARM ADDRESS:

508 E. PAE RD

REVIEW INVENTORY DATE:

7-20-12

MANURE/ EFFLUENT LEVEL:

95% ~~100~~

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation:

< 1 FT.

Completed by:

MICHAEL F

Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:



WSP is FULL (Typically late winter or early spring)

DATE:

7-20-12



WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE:

Weather:

SHOWERY

Temperature:

67°

Soil surface: dry, moist, wet, saturated, standing water, frozen, snow covered

AGID: FARM NAME:

LAGOON ID: Lat: Long:

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?		NO	X
a. Due to wave action?		NO	X
b. In vicinity of waste inlet structure?		NO	X
c. Due to erosion from rainfall?		NO	X
d. Near agitation equipment access points?		NO	X
2. Pond was constructed <u>with</u> a liner?	/		
a. Erosion of liner material?			/
b. Damaged material (holes, tears, seams)?			/
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			/
3. Signs of embankment damage?		NO	X
a. Due to burrowing animals?		NO	X
b. Presence of trees or woody vegetation?		NO	X
c. Presence of large weeds?	/		
d. Evidence of overtopping of embankment?		NO	X
e. Evidence of soil erosion or gully on embankment?		NO	X
f. Evidence of cracks in embankment soils?		NO	X
g. Damp, soft, or slumping areas on berm?		NO	X
h. Seepage near bottom of berm slope?		NO	X
i. Seepage around pipes thru berm?		NO	X

COMMENTS:

IS A PIT - HAS CONCRETE (VERTICAL) WALLS AND NATIVE SOIL BOTTOM. CURRENTLY FILLED W/ RAINWATER AND MANURE FROM PREVIOUS OPERATOR (JAY LANCASTER) WHO WAS UNABLE TO APPLY BECAUSE POTATOES WERE BEING GROWN IN FIELDS

AGID:

FARM NAME:

LAGOON ID:

Lat:

Long:

OPERATION AND MAINTENANCE

If any boxes checked "NO"; make notes of location and identify O & M task to improve management in **REPORT** section

SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?		/	
a. Is liquid level marker visible?		/	
b. Is storage capacity available for freeboard when pond is full?		/	
2. Are manure pump and transfer pipes functioning?			/
3. Are recycling pumps and transfer pipes functioning?			/
4. Is pond overflow pipe/structure clear and unobstructed?			/
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			/
6. All roof water or clean runoff is diverted from storage?	/		
7. Diversions/waterways maintained?			/
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?		/	
9. Waste storage pond access fenced and properly marked?	FENCE		
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?		/	
11. Solids managed to <u>prevent</u> plants growing on crust?		/	
12. Anaerobic lagoon is purple/pink?		/	
13. Actively bubbling?		/	
14. Inlet pipes submerged?		/	
15. Downwind odor from WSP is: <input type="checkbox"/> Strong <input type="checkbox"/> Unbearable			

COMMENTS:

AGID: FARM NAME:

LAGOON ID: Lat: Long:

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: NRCS DATE: MID 80's
 DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.	? 6000	Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH	97 EW	
4. Footprint - inside top - WIDTH	80 NS	
5. Embankment - Inside SS	VERTICAL 4 FT	> 2H:1V
6. Embankment - Outside SS	THEN SLOPED TO BOTTOM	> 2H:1V
7. Embankment - Top Width	P.T	
8. Embankment - Maximum Fill Height	60 0	
9. Maximum Excavation Depth	6+	
10. Total POND Depth	6+	
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA		
12. Inlet type and location: <input checked="" type="checkbox"/> Pipe, <input type="checkbox"/> Flume, <input type="checkbox"/> Scrape/slab, <input type="checkbox"/> Overflow 'T', <input type="checkbox"/> Other		
13. Outlet ramp slope and condition: <input checked="" type="checkbox"/> none, <input type="checkbox"/> earthen, <input type="checkbox"/> gravel, <input type="checkbox"/> concrete, <input type="checkbox"/> other		
14. Pump/agitation site condition	GOOD GOOD	
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: Farm Building, Homes, Roads, Water Coursed		GW
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		NO
18. Distance to nearest home/dwelling		312
19. Distance to nearest water course		900

COMMENTS:

ALSO HAS A CONCRETE LINED PIT (40x60) OF SOME DEPTH THAT WAS ORIGINAL STORAGE. SEE DRAWING.
 OWNER WOULD BE INTERESTED IN DECOMMISSIONING

AGID:

FARM NAME:

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

(2) Description of structural modification: _____

(3) Describe impact of modification on structural integrity: _____

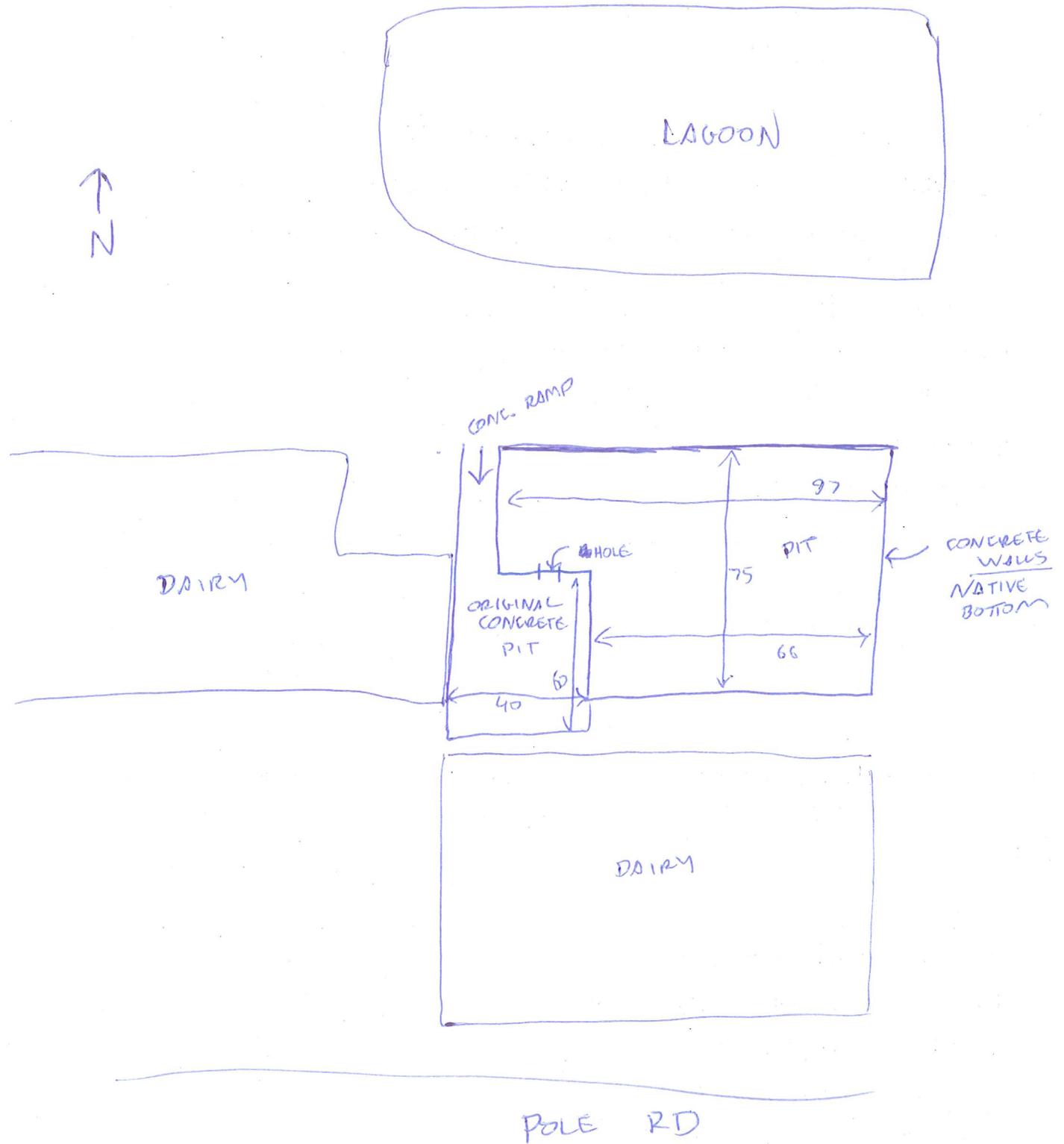
(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

AGID:

FARM NAME:

Notes, drawings etc



A. Site inventory

RECEIVED
JUL 27 2012
WSDA
DAIRY NUTRIENT MANAGEMENT
2-4
LEFT 5:15
ARRIVE 4:20

LANDOWNER: Richard & Alyne Zwiers

OPERATOR: JAMES ZWIERS

2005

AGID: 8324 FARM NAME: Z-DAIRY - JAMES ZWIERS

LAGOON ID 1-N Lat: 48.89265 ↑ Long: 122.46298

Phones: ~~298-1150~~ (8) Cell: (360) 398-1940

FARM ADDRESS: 502 E POLE ROAD, LYNDEN, WA 98264-9005

REVIEW INVENTORY DATE: 7-20

MANURE/ EFFLUENT LEVEL: 0 %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 8 FT.

Completed by: MICHAEL I Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)

DATE: _____

WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: 7-20-12

Weather: SHAWGY

Temperature: 67°

Soil surface: dry, moist, wet, saturated, standing water, frozen, snow covered

AGID: 8324

FARM NAME: Z-DAIRY

LAGOON ID:

Lat:

Long:

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW

If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in **REPORT** section.

SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?		↓	
a. Due to wave action?			
b. In vicinity of waste inlet structure?			
c. Due to erosion from rainfall?			
d. Near agitation equipment access points?			
2. Pond was constructed <u>with</u> a liner?	CSM		
a. Erosion of liner material?		X	X
b. Damaged material (holes, tears, seams)?		X	X
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			X
3. Signs of embankment damage?			
a. Due to burrowing animals?			X
b. Presence of trees or woody vegetation?			X
c. Presence of large weeds?	X		
d. Evidence of overtopping of embankment?		X	
e. Evidence of soil erosion or gully on embankment?		X	
f. Evidence of cracks in embankment soils?		X	
g. Damp, soft, or slumping areas on berm?		X	
h. Seepage near bottom of berm slope?		X	
i. Seepage around pipes thru berm?		X	

COMMENTS:

LAGOON IS ESSENTIALLY EMPTY AND MOSTLY FILLED W/ COTTAILS. IT APPEARS TO HAVE A LEAK SINCE IT RETAINS NO/LITTLE PRECIP. IT HAS NOT BEEN USED SINCE 2005.

LAGOON ID: Lat: Long:

OPERATION AND MAINTENANCE			
If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in REPORT section			
SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?		/	
a. Is liquid level marker visible?		/	
b. Is storage capacity available for freeboard when pond is full?		/	
2. Are manure pump and transfer pipes functioning?			/
3. Are recycling pumps and transfer pipes functioning?			/
4. Is pond overflow pipe/structure clear and unobstructed?			/
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			/
6. All roof water or clean runoff is diverted from storage?	/		
7. Diversions/waterways maintained?			/
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?		/	
9. Waste storage pond access fenced and properly marked?		/	
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?			/
11. Solids managed to <u>prevent</u> plants growing on crust?			/
12. Anaerobic lagoon is purple/pink?			/
13. Actively bubbling?			/
14. Inlet pipes submerged?			/
15. Downwind odor from WSP is:	Strong	Unbearable	

COMMENTS:

AGID: 8324 FARM NAME: Z-DAIRY

LAGOON ID: Lat: Long:

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: ~~NRCS~~ - NRCS - Bill B. DATE: EARLY 90'S
 DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.	1+ MIL	Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH	127 NS	
4. Footprint - inside top - WIDTH	225 EW	
5. Embankment - Inside SS	2.5 : 1	> 2H:1V
6. Embankment - Outside SS	2.5 : 1	> 2H:1V
7. Embankment - Top Width	8	
8. Embankment - Maximum Fill Height	6	
9. Maximum Excavation Depth	4	
10. Total POND Depth	8	
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA		
12. Inlet type and location: <input checked="" type="checkbox"/> Pipe, <input type="checkbox"/> Flume, <input type="checkbox"/> Scrape/slab, <input type="checkbox"/> Overflow 'T', <input type="checkbox"/> Other		
13. Outlet ramp slope and condition: <input checked="" type="checkbox"/> none, <input type="checkbox"/> earthen, <input type="checkbox"/> gravel, <input type="checkbox"/> concrete, <input type="checkbox"/> other		
14. Pump/agitation site condition	2 RAMPS	
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: <input checked="" type="checkbox"/> Farm Building, <input checked="" type="checkbox"/> Homes, <input checked="" type="checkbox"/> Roads, <input checked="" type="checkbox"/> Water Coursed		DEPENDS ON FLOW DIRECTION
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		NO
18. Distance to nearest home/dwelling		315
19. Distance to nearest water course		700

COMMENTS:

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

(2) Description of structural modification: _____

(3) Describe impact of modification on structural integrity: _____

(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

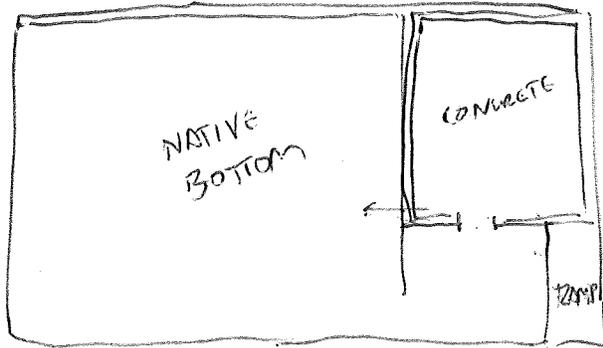
- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

Notes, drawings etc

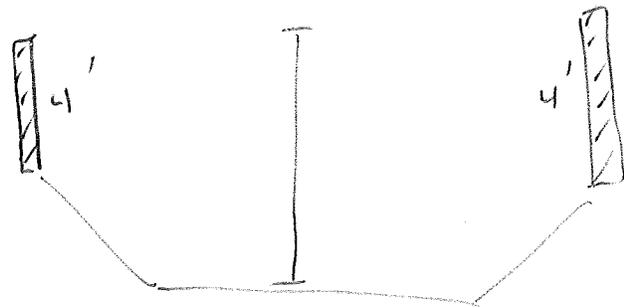
40 x

Bike B.
MID-80'S
NECS
COST SHARE

NOTE
70'S



CEMENT WAY



AARON
LANUSTEL

A. Site inventory

LANDOWNER: _____

E Bond

OPERATOR: KENNETH G ZYLSTRA

AGID: **9392** FARM NAME: KENNETH G ZYLSTRA DAIRY

LAGOON ID: 9392-1 Lat: 49.001240 Long: -122.440690

Phones: (360) 354-3698 Cell: (360) 815-1208

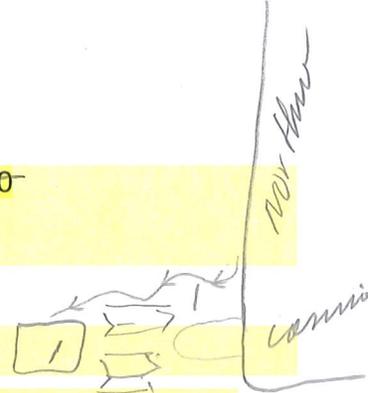
FARM ADDRESS: 1485 E BOUNDARY ROAD LYNDEN WA 98264

REVIEW INVENTORY DATE: 9/25/2012

MANURE/ EFFLUENT LEVEL: 10 %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 8 FT.

Completed by: DIPK MEULBLOK Agency DNMP/WSDA



CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)

DATE: _____

WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: 9/25/2012

Weather: SUNNY

Temperature: 61

Soil surface: dry, moist, wet, saturated, standing water, frozen, snow covered

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?		X	
a. Due to wave action?		X	
b. In vicinity of waste inlet structure?		X	
c. Due to erosion from rainfall?		X	
d. Near agitation equipment access points?		X	
2. Pond was constructed <u>with</u> a liner?			
a. Erosion of liner material?			
b. Damaged material (holes, tears, seams)?			/
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			/
3. Signs of embankment damage?			
a. Due to burrowing animals?		X	
b. Presence of trees or woody vegetation?		X	
c. Presence of large weeds?	X		
d. Evidence of overtopping of embankment?		X	
e. Evidence of soil erosion or gully on embankment?		X	
f. Evidence of cracks in embankment soils?		X	
g. Damp, soft, or slumping areas on berm?		X	
h. Seepage near bottom of berm slope?		X	
i. Seepage around pipes thru berm?		X	

COMMENTS:

3 C SE corner, E entire: BB seepage

AGID: 9392

FARM NAME: KENNETH G ZYLSTRA DAIRY

LAGOON ID: 9392-1

Lat: 49.001240

Long: -122.410690

OPERATION AND MAINTENANCE

If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in REPORT section

SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?		X	
a. Is liquid level marker visible?		X	
b. Is storage capacity available for freeboard when pond is full?		X	
2. Are manure pump and transfer pipes functioning?	X		
3. Are recycling pumps and transfer pipes functioning?	X		
4. Is pond overflow pipe/structure clear and unobstructed?	C		
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			
6. All roof water or clean runoff is diverted from storage?			
7. Diversions/waterways maintained?			
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?		X	
9. Waste storage pond access fenced and properly marked?		X	
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?	X		
11. Solids managed to prevent plants growing on crust?		X	
12. Anaerobic lagoon is purple/pink?		X	
13. Actively bubbling?	X		
14. Inlet pipes submerged?	X		
15. Downwind odor from WSP is:	Strong	Unbearable	

COMMENTS:

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH		
4. Footprint - inside top - WIDTH		
5. Embankment - Inside SS	72:1	> 2H:1V
6. Embankment - Outside SS	3:1	> 2H:1V
7. Embankment - Top Width	12	
8. Embankment - Maximum Fill Height	3	
9. Maximum Excavation Depth	14	
10. Total POND Depth	16	
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA		
12. Inlet type and location: Pipe, Flume, Scrape/slab, Overflow 'T', Other		
13. Outlet ramp slope and condition: none, earthen, gravel, concrete, other		
14. Pump/agitation site condition	✓	
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: Farm Building, Homes, Roads, Water Coursed		
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		
18. Distance to nearest home/dwelling		
19. Distance to nearest water course		

COMMENTS:

12 SE corner

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

____ YES ____ NO

C. Does it appear that the WSP been structurally modified?

____ YES ____ NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

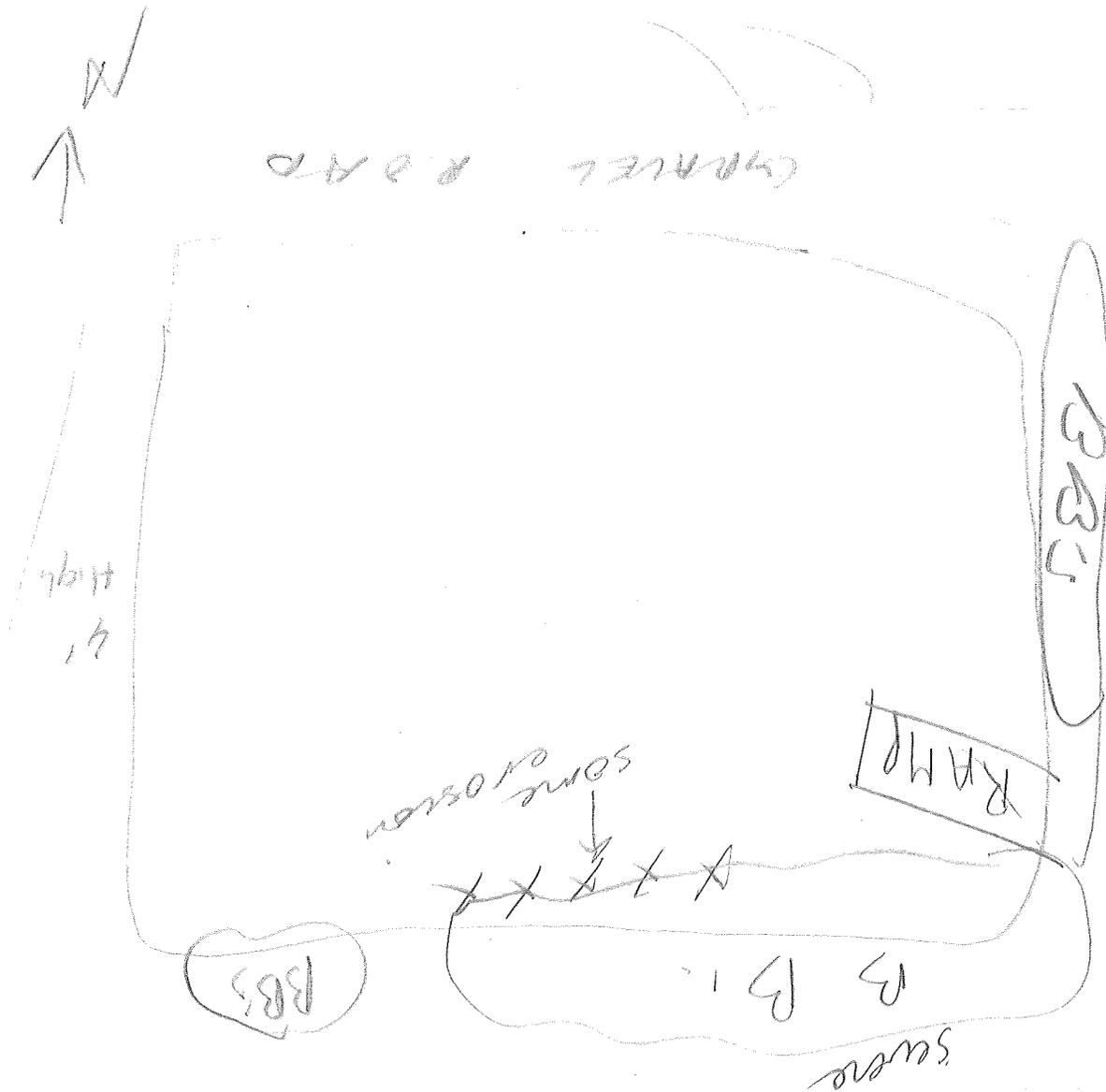
(2) Description of structural modification: _____

(3) Describe impact of modification on structural integrity: _____

(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

Notes, drawings etc



A. Site inventory

LANDOWNER: _____ *Boundary*

OPERATOR: KENNETH G ZYLSTRA

AGID: **9392** FARM NAME: KENNETH G ZYLSTRA DAIRY

LAGOON ID: 9392-2 Lat: 48.995⁴⁸¹⁸120 Long: -122.410⁰⁹⁸¹⁶160

Phones: (360) 354-3698 Cell: (360) 815-1208

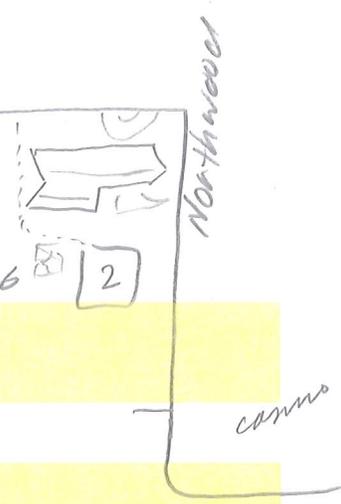
FARM ADDRESS: 1485 E BOUNDARY ROAD LYNDEN WA 98264

REVIEW INVENTORY DATE: 9/25/2012

MANURE/ EFFLUENT LEVEL: 20 %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 6 FT.

Completed by: DIRK MEUBLOK Agency DNMP/WSDA



CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)

DATE: _____

WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: 9/25/2012

Weather: Sunny

Temperature: 60

Soil surface: dry, moist, wet, saturated, standing water, frozen, snow covered

Complete inventory questions appropriate to structure, *if no embankment, as in a pit pond, show NA.*

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?		X	
a. Due to wave action?		X	
b. In vicinity of waste inlet structure?		X	
c. Due to erosion from rainfall?		X	
d. Near agitation equipment access points?			
2. Pond was constructed <u>with</u> a liner?			
a. Erosion of liner material?			
b. Damaged material (holes, tears, seams)?			
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
3. Signs of embankment damage?			
a. Due to burrowing animals?		X	
b. Presence of trees or woody vegetation?		X	
c. Presence of large weeds?	X		
d. Evidence of overtopping of embankment?		X	
e. Evidence of soil erosion or gully on embankment?		X	
f. Evidence of cracks in embankment soils?		X	
g. Damp, soft, or slumping areas on berm?		X	
h. Seepage near bottom of berm slope?		X	
i. Seepage around pipes thru berm?		X	

COMMENTS:

(3c) S bank next to inlet

AGID: 9392

FARM NAME: KENNETH G ZYLSTRA DAIRY

LAGOON ID: 9392-2

Lat: 48.995120

Long: -12.2.410160

OPERATION AND MAINTENANCE

If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in **REPORT** section

SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?			
a. Is liquid level marker visible?		X	
b. Is storage capacity available for freeboard when pond is full?		X	
2. Are manure pump and transfer pipes functioning?	A		
3. Are recycling pumps and transfer pipes functioning?	X		
4. Is pond overflow pipe/structure clear and unobstructed?	C		
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			A
6. All roof water or clean runoff is diverted from storage?	X		
7. Diversions/waterways maintained?			X
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?	X		
9. Waste storage pond access fenced and properly marked?	X		
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?	X		
11. Solids managed to <u>prevent</u> plants growing on crust?	X		
12. Anaerobic lagoon is purple/pink?		X	
13. Actively bubbling?	X		
14. Inlet pipes submerged?	X		
15. Downwind odor from WSP is: <input type="checkbox"/> Strong <input type="checkbox"/> Unbearable			

COMMENTS:

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH		
4. Footprint - inside top - WIDTH		
5. Embankment - Inside SS	3:1	> 2H:1V
6. Embankment - Outside SS	—	> 2H:1V
7. Embankment – Top Width		
8. Embankment – Maximum Fill Height	NA	
9. Maximum Excavation Depth	10	
10. Total POND Depth	10	
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input checked="" type="checkbox"/> NA		
12. Inlet type and location: Pipe, <u>Flume</u> , Scrape/slab, Overflow 'T', Other		
13. Outlet ramp slope and condition: none, earthen, gravel, concrete, other		
14. Pump/agitation site condition		
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: Farm Building, Homes, Roads, Water Coursed		
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		
18. Distance to nearest home/dwelling		
19. Distance to nearest water course		

COMMENTS:

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

____ YES ____ NO

C. Does it appear that the WSP been structurally modified?

____ YES ____ NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

(2) Description of structural modification: _____

(3) Describe impact of modification on structural integrity: _____

(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

Notes, drawings etc



A. Site inventory

LANDOWNER: _____

OPERATOR: 1485 E BOUNDARY RD LYNDEN WA 98264 9-11

AGID: **9392** FARM NAME: KENNETH G ZYLSTRA DAIRY

LAGOON ID: 9392-3

Lat: 49.002167

Long: -122.476733

Phones: (360) 815-1208

Cell:

49.00058

-122.47724

FARM ADDRESS: 1485 E BOUNDARY ROAD LYNDEN WA 98264

REVIEW INVENTORY DATE: 9/25/2012

MANURE/ EFFLUENT LEVEL: 10 %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 6 FT.

Completed by: DIRK MEUBLOL Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:



WSP is FULL (Typically late winter or early spring)

DATE: _____



WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE: 9/25/2012

Weather: overcast

Temperature: 60

Soil surface: dry, moist, wet, saturated, standing water, frozen, snow covered

Complete inventory questions appropriate to structure, *if no embankment, as in a pit pond, show NA.*

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?		X	
a. Due to wave action?		X	
b. In vicinity of waste inlet structure?		X	
c. Due to erosion from rainfall?		X	
d. Near agitation equipment access points?		X	
2. Pond was constructed <u>with</u> a liner?			
a. Erosion of liner material?			}
b. Damaged material (holes, tears, seams)?			}
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			}
3. Signs of embankment damage?		X	
a. Due to burrowing animals?		X	
b. Presence of trees or woody vegetation?		X	
c. Presence of large weeds?		X	
d. Evidence of overtopping of embankment?		X	
e. Evidence of soil erosion or gully on embankment?		X	
f. Evidence of cracks in embankment soils?		X	
g. Damp, soft, or slumping areas on berm?		X	
h. Seepage near bottom of berm slope?		X	
i. Seepage around pipes thru berm?		X	

COMMENTS:

AGID: 9392

FARM NAME: KENNETH G ZYLSTRA DAIRY

LAGOON ID: 9392-3

Lat: 49.002167

Long: -122.476733

OPERATION AND MAINTENANCE			
If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in REPORT section			
SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?		X	
a. Is liquid level marker visible?		X	
b. Is storage capacity available for freeboard when pond is full?		X	
2. Are manure pump and transfer pipes functioning?			
3. Are recycling pumps and transfer pipes functioning?			
4. Is pond overflow pipe/structure clear and unobstructed?			
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			
6. All roof water or clean runoff is diverted from storage?			
7. Diversions/waterways maintained?			
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?		X	
9. Waste storage pond access fenced and properly marked?		X	
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?	X		
11. Solids managed to <u>prevent</u> plants growing on crust?		X	
12. Anaerobic lagoon is purple/pink?		X	
13. Actively bubbling?		X	
14. Inlet pipes submerged?			
15. Downwind odor from WSP is:	<input checked="" type="checkbox"/> Strong <input type="checkbox"/> Unbearable		

COMMENTS:

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: _____ DATE: _____

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.	110	Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH	110	
4. Footprint - inside top - WIDTH	6	
5. Embankment - Inside SS	2:1	> 2H:1V
6. Embankment - Outside SS	5:1	> 2H:1V
7. Embankment - Top Width	6	
8. Embankment - Maximum Fill Height	3	
9. Maximum Excavation Depth	5	
10. Total POND Depth	8	
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA		
12. Inlet type and location: Pipe, Flume, Scrape/slab, Overflow 'T', Other		
13. Outlet ramp slope and condition: <u>none</u> , earthen, gravel, concrete, other		
14. Pump/agitation site condition	/	
15. Distance to nearest well/water depth in well in feet		
16. Failure impacts: Farm Building, Homes, Roads, <u>Water Coursed</u>		
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		
18. Distance to nearest home/dwelling		
19. Distance to nearest water course		

COMMENTS:

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

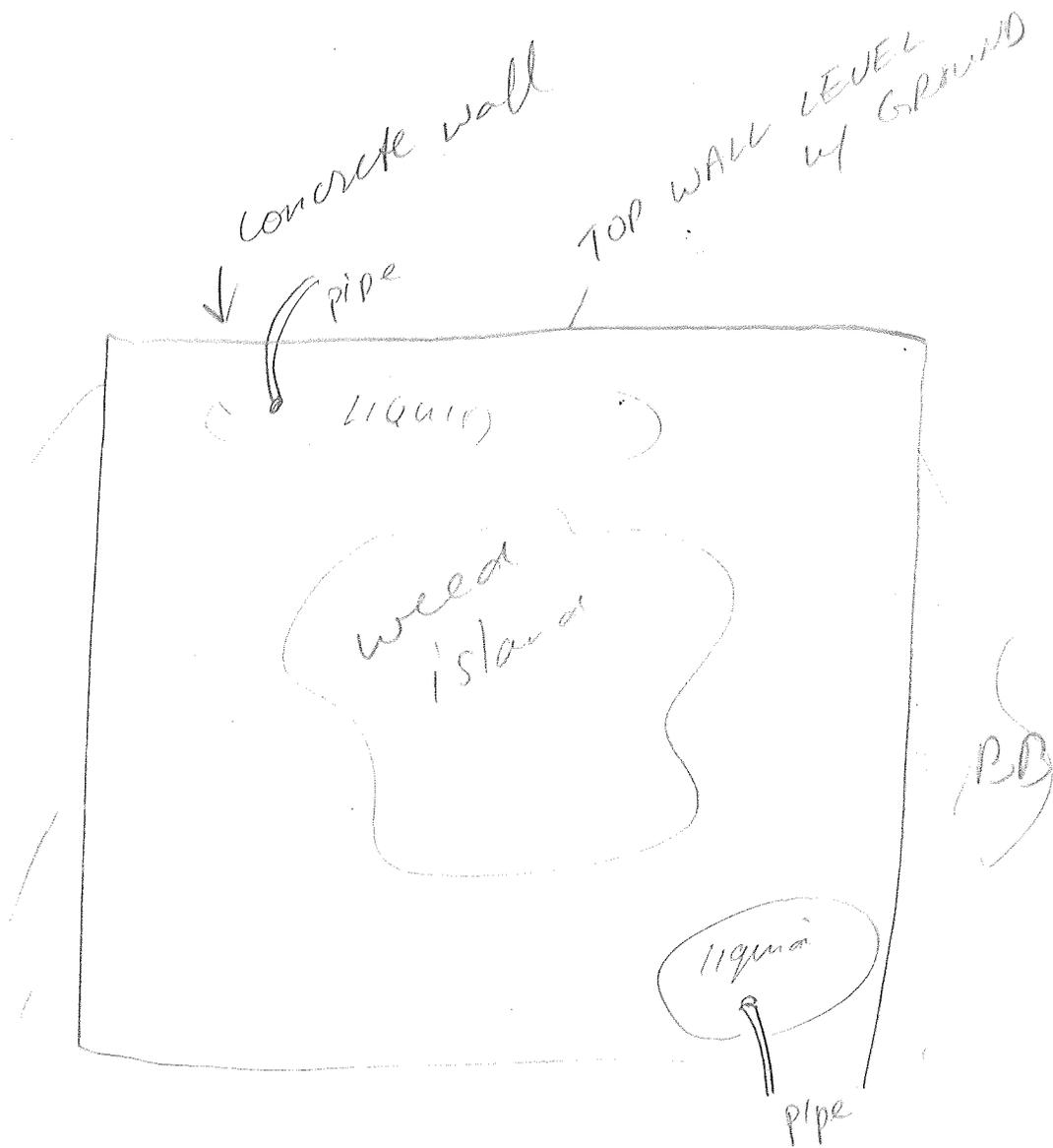
(2) Description of structural modification: _____

(3) Describe impact of modification on structural integrity: _____

(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

Notes, drawings etc



RECEIVED

JUL 27 2012

WSDA DAIRY NUTRIENT MANAGEMENT
② 8-10

A. Site inventory

LANDOWNER: 3 G Holdings, INC

OPERATOR: "NIRANDA GEHL" (PHONETIC from PHONE MSG)

ND20

NO LAGOON

SHOWS ON 8/2011 AERIAL

AGID: FARM NAME: 3 G HOLDINGS

LAGOON ID 1 (EAST) Lat: 48.93991 Long: 122.56742

Phones: Cell: 604-597-7339

FARM ADDRESS: 1550 Birch Bay Lynden Road, Custer, WA 98240

REVIEW INVENTORY DATE: 7-23-12

MANURE/ EFFLUENT LEVEL: ? %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 7 FT.

Completed by: MICHAEL I Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:

WSP is FULL (Typically late winter or early spring)

DATE: 7/23

WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE:

FRESH WATER
CLEAR
LITTLE ALGAE
APPEARS TO BE USED FOR IRRIGATION

Weather: CLOUDS SHOWER

Temperature: 54°

Soil surface: dry, moist, wet, saturated, standing water, frozen, snow covered

AGID: FARM NAME: 3 G HOLDINGS

LAGOON ID: Lat: Long:

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW			
If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.			
SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?		↓	
a. Due to wave action?		↓	
b. In vicinity of waste inlet structure?		↓	
c. Due to erosion from rainfall?		↓	
d. Near agitation equipment access points?			
2. Pond was constructed <u>with</u> a liner?			?
a. Erosion of liner material?			/
b. Damaged material (holes, tears, seams)?			/
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			/
3. Signs of embankment damage?			
a. Due to burrowing animals?		//	
b. Presence of trees or woody vegetation?		//	
c. Presence of large weeds?	X		
d. Evidence of overtopping of embankment?		//	
e. Evidence of soil erosion or gully on embankment?		//	
f. Evidence of cracks in embankment soils?		//	
g. Damp, soft, or slumping areas on berm?		//	
h. Seepage near bottom of berm slope?		//	
i. Seepage around pipes thru berm?		//	

COMMENTS:

36 - BD, THISTLE
 POND LINED W/ CATTAILS - W

AGID: FARM NAME: 3 G HOLDINGS

LAGOON ID:

Lat:

Long:

OPERATION AND MAINTENANCE			
If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in REPORT section			
SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?		/	
a. Is liquid level marker visible?		/	
b. Is storage capacity available for freeboard when pond is full?		/	
2. Are manure pump and transfer pipes functioning?			/
3. Are recycling pumps and transfer pipes functioning?			/
4. Is pond overflow pipe/structure clear and unobstructed?			/
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			/
6. All roof water or clean runoff is diverted from storage?	/		/
7. Diversions/waterways maintained?			/
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?		X	
9. Waste storage pond access fenced and properly marked?	FENCED		
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?			/
11. Solids managed to <u>prevent</u> plants growing on crust?			/
12. Anaerobic lagoon is purple/pink?			/
13. Actively bubbling?			/
14. Inlet pipes submerged?		/	
15. Downwind odor from WSP is:	Strong	Unbearable	

COMMENTS:

DOES NOT RECEIVE MANURE

TRANSFER TO PIT ON W SIDE (LAGOON 2)

ELECTRIC PANEL - SW CORNER

AGID: FARM NAME: 3 G HOLDINGS

LAGOON ID: Lat: Long:

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: ? DATE: ?

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.	?	Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH	257 NS	
4. Footprint - inside top - WIDTH	177 EW	
5. Embankment - Inside SS	2:1	> 2H:1V
6. Embankment - Outside SS	2:1	> 2H:1V
7. Embankment - Top Width	10	
8. Embankment - Maximum Fill Height	7	
9. Maximum Excavation Depth	?	
10. Total POND Depth	?	
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input type="checkbox"/> NA	?	
12. Inlet type and location: <input checked="" type="checkbox"/> Pipe, <input type="checkbox"/> Flume, <input type="checkbox"/> Scrape/slab, <input type="checkbox"/> Overflow 'T', <input type="checkbox"/> Other		
13. Outlet ramp slope and condition: <input checked="" type="checkbox"/> none, <input type="checkbox"/> earthen, <input type="checkbox"/> gravel, <input type="checkbox"/> concrete, <input type="checkbox"/> other		
14. Pump/agitation site condition	GOOD	
15. Distance to nearest well/water depth in well in feet		?
16. Failure impacts: Farm Building, Homes, Roads, <input checked="" type="checkbox"/> Water Coursed		
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		NO
18. Distance to nearest home/dwelling		1055
19. Distance to nearest water course		250

IRRIGATION
RISER
NW
CORNER

FIELD S
N: POTATO
E: POTATO
S: CORN

COMMENTS:

AGID: FARM NAME: 3 G HOLDINGS

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

(2) Description of structural modification: _____

(3) Describe impact of modification on structural integrity: _____

(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

AGID: FARM NAME: 3 G HOLDINGS

Notes, drawings etc

A. Site inventory

RECEIVED
JUL 27 2012
WSDA
DAIRY NUTRIENT MANAGEMENT

LANDOWNER:

36 HOLDINGS

OPERATOR: _____

AGID:

FARM NAME:

LAGOON ID

2: WEST

Lat:

48.93977

Long:

122.56816

PIT
6 FT TO
WATER

Phones:

Cell:

FARM ADDRESS:

1550 BIRCH BOY - LYNDEN RD, CUSTER
98240

APPROX
FAULT
DEEP
NOT FOR
MANURE

REVIEW INVENTORY DATE:

7-23-12

MANURE/ EFFLUENT LEVEL:

? %

TODAY: Liquid Level BELOW Top of Embankment or Spillway Elevation: 6 FT.

Completed by: MICHAEL I Agency DNMP/WSDA

CHECK REVIEW CONDITION BELOW:



WSP is FULL (Typically late winter or early spring)

DATE:

7-23



WSP is near empty (Typically late summer or early fall, depending on operation management)

DATE:

Weather:

SEE OTHER

Temperature: _____

Soil surface: dry, moist, wet, saturated, standing water, frozen, snow covered

AGID: FARM NAME:

LAGOON ID: Lat: Long:

Complete inventory questions appropriate to structure, if no embankment, as in a pit pond, show NA.

EARTHEN STRUCTURAL REVIEW

If any boxes checked "YES"; make notes of items for concern, possible extent of damage, identify options to repair, stabilize or address in REPORT section.

SITE INVENTORY QUESTION	YES	NO	NA
1. Embankment Interior and liner erosion observed?	X		
a. Due to wave action?			
b. In vicinity of waste inlet structure?			
c. Due to erosion from rainfall?			
d. Near agitation equipment access points?			
2. Pond was constructed <u>with</u> a liner?			X
a. Erosion of liner material?			
b. Damaged material (holes, tears, seams)?			
c. Damage from pressure under liner (slumps, bulges, boils, whales)?			
3. Signs of embankment damage?	PIT		X
a. Due to burrowing animals?			
b. Presence of trees or woody vegetation?			
c. Presence of large weeds?			
d. Evidence of overtopping of embankment?			
e. Evidence of soil erosion or gully on embankment?			
f. Evidence of cracks in embankment soils?			
g. Damp, soft, or slumping areas on berm?			
h. Seepage near bottom of berm slope?			
i. Seepage around pipes thru berm?			

COMMENTS:

1. N. END EXPOSED DIRT. APPEARS TO BE IRRIGATION FACILITY - MAYBE IN GW, AS H₂O LEVEL IS APPROX 6' BELOW SURFACE?

AGID:

FARM NAME:

LAGOON ID:

Lat:

Long:

OPERATION AND MAINTENANCE

If any boxes checked "NO"; make notes of location and identify O & M task to improve management. in **REPORT** section

SITE INVENTORY QUESTION	YES	NO	NA
1. Is there a permanent liquid level marker available to measure depth of pond?		/	
a. Is liquid level marker visible?		/	
b. Is storage capacity available for freeboard when pond is full?		/	
2. Are manure pump and transfer pipes functioning?	/		
3. Are recycling pumps and transfer pipes functioning?			//
4. Is pond overflow pipe/structure clear and unobstructed?			
CLEAN WATER DIVERSION			
5. Perimeter drains plugged or blocked?			/
6. All roof water or clean runoff is diverted from storage?			//
7. Diversions/waterways maintained?			/
VISUAL APPEARANCE AND SAFETY			
8. Site neat and recently mowed?		/	
9. Waste storage pond access fenced and properly marked?		/	
O & M ITEMS FOR ODOR AND AIR QUALITY			
10. Crust of solids on lagoon?			//
11. Solids managed to <u>prevent</u> plants growing on crust?			//
12. Anaerobic lagoon is purple/pink?			//
13. Actively bubbling?			//
14. Inlet pipes submerged?			/
15. Downwind odor from WSP is: <input type="checkbox"/> Strong <input type="checkbox"/> Unbearable			

COMMENTS:

2 TRANSFER PUMP-PIPE BTW 2 FACILITIES

AGID: FARM NAME:

LAGOON ID: Lat: Long:

B. Summarize review for structural data evaluation

Complete the information below based on the original construction plans and/or current site inventory with existing site survey data collected.

ORIGINAL WASTE STORAGE POND DESIGNER: ? DATE: ?

DATE ORIGINAL WASTE STORAGE POND COMPLETED: _____

LIST THE DESIGN CRITERIA:	CURRENT CONDITIONS	NRCS design criteria at time of installation or last modification
1. Storage capacity at overflow - or crest elevation if no spillway.		Less than 10 acre-feet for all but dam safety permitted ponds
2. Footprint - inside top - LENGTH	160 NS	
4. Footprint - inside top - WIDTH	100 EW	
5. Embankment - Inside SS	< 2:1	> 2H:1V
6. Embankment - Outside SS	NA	> 2H:1V
7. Embankment - Top Width	NA	
8. Embankment - Maximum Fill Height	NA	
9. Maximum Excavation Depth	?	
10. Total POND Depth	?	
11. Circle liner type or NA: <input checked="" type="checkbox"/> Compacted Clay <input type="checkbox"/> Flexible Membrane <input type="checkbox"/> Bentonite Amendment <input type="checkbox"/> Other <input checked="" type="checkbox"/> NA	?	
12. Inlet type and location: Pipe, Flume, Scrape/slab, Overflow 'T', Other	?	
13. Outlet ramp slope and condition: none, earthen, gravel, concrete, other	1	
14. Pump/agitation site condition	NA	
15. Distance to nearest well/water depth in well in feet		?
16. Failure impacts: Farm Building, Homes, Roads, Water Coursed		NA
17. Emptying feature is provided to protect against accidental release. (yes/no) if yes please describe in notes.		NO
18. Distance to nearest home/dwelling		1050
19. Distance to nearest water course		45

COMMENTS:

PIT . DOES NOT APPEAR TO HAVE BEEN DESIGNED FOR MANURE

AGID: FARM NAME:

Does it appear that the WSP was designed by NRCS or met the NRCS design criteria in place at the time it was installed or last modified?

YES NO

C. Does it appear that the WSP been structurally modified?

YES NO ➤ If yes complete section below.

Add any additional details of construction or description of the modified structure for accurate representation of the project.

LANDOWNER/FARM NAME:

Was the WSP modification designed? CIRCLE ONE: YES NO NA

If yes, list: Designer _____ Date _____

(1) Date of modification construction? _____

(2) Description of structural modification: _____

(3) Describe impact of modification on structural integrity: _____

(4) Describe impact of apparent modification on potential maximum depth of liquid waste stored in the existing waste storage pond: : _____

- Attach photos that demonstrate findings
- Include copies of original design if available
- List other data available such as
 - design storm volume data
 - site soil investigation report
 - current site survey data

AGID:

FARM NAME:

Notes, drawings etc