RE-INSPECTION - ACCESS POINT "B" AND BACKGROUND CONDITIONS

WASHINGTON STATE DEPARTMENT OF ECOLOGY

Construction Stormwater General Permit
Short Field Report

WAR 125 379

Section A: General Data

Permit # WAR125376 ERTS # N/A	County WHATCOM	Receiving Waters: GULF ROAD DITCH	Inspector: KURT BAUMGARTEN
Inspection Date: MARCH 12, 2012 MARCH 16, 2012	Entry Time:	Exit Time:	Inspection Type ANNOUNCED 3/12 UNANNOUNCED 3/16

TERRESTRIAL ~~&~~ GEOTECHNICAL

Section B: Site Information

Site Name: INVESTIGATIONS GATEWAY PACIFIC TERMINAL	Permittee / Operator: PACIFIC INTL TERMINALS INC.
Site Address: HENRY RD	~~Name / Title:~~ 1131 SW KLICKITAT
City, State, Zip: FERNDALE, WA 98248	Mailing Address: SEATTLE WA 98134
GPS:	City, State, Zip:
Total Acreage: 1090 Disturbed Acreage: 9.1	Phone: (253.627.0406 Fax: ( )

Certified Erosion and Sediment Control Lead (CESCL): (or on-site rep.)

Name / Title / Company: AL JEROME Phone: (253.627.0406

Section C: Permit Condition Violations

The Department of Ecology has the authority to issue formal enforcement actions, including issuance of orders and civil penalties of up to $10,000 per day per violation for violations of your NPDES permit and/or state laws and regulations

Violation of Permit Condition ____: for:

Violation of Permit Condition ____: for:

Violation of Permit Condition ____: for:

Violation of Permit Condition ____: for:

Comments/Recommendations:

SEE ATTACHED INSPECTION NARRATIVE AND TURBIDITY SAMPLING/ANALYSIS RECORD

Print Representative Name	Representative Signature (Acknowledges Receipt Only)	Date
KURT BAUMGARTEN	Kurt Baumgarten	3.20.12
Inspector Name	Inspector Signature	Date

ECY 070-297 If you need this publication in an alternate format, please call Water Quality Program in the appropriate region (see list on back). Persons with hearing loss can call 711 for Washington Relay Service. Persons with a speech disability can call 877-833-6341.

Ecology Contacts and Mailing Addresses

(Island, King, Kitsap, Snohomish Counties) **Northwest Regional Office** **3190 - 160th Avenue SE** **Bellevue, WA 98008-5452** **(425) 649-7000**	(San Juan, Skagit, Whatcom Counties) **Bellingham Field Office** **1440 10th Street, Suite 102** **Bellingham, WA 98225** **(360) 715-5200**
(Clallam, Cowlitz, Grays Harbor, Jefferson, Mason, Lewis, Pacific, Pierce, Skamania, Thurston, and Wahkiakum Counties) **Southwest Regional Office** **P.O. Box 47775** **Olympia, WA 98504-7775** **(360) 407-6300**	(Adams, Asotin, Columbia, Ferry, Franklin, Garfield, Grant, Lincoln, Pend Oreille, Spokane, Stevens, Walla Walla, and Whitman Counties) **Eastern Regional Office** **North 4601 Monroe** **Spokane, WA 99205-1295** **(509) 329-3400**
(Clark County) **Vancouver Field Office** **2108 Grand Boulevard** **Vancouver, WA 98661-4622** **(360) 690-7170**	(Benton, Chelan, Douglas, Kittitas, Klickitat, Okanogan, and Yakima Counties) **Central Regional Office** **15 West Yakima Ave -- Suite 200** **Yakima, WA 98902-3452** **(509) 575-2490**
Department of Ecology Headquarters **Construction Stormwater Unit** **PO Box 47600** **Olympia, WA 98504-7600** **(360) 407-6600**	

Web Links

Construction SW Home Page	**http://www.ecy.wa.gov/programs/wq/stormwater/construction**
Notice of Intent	**http://www.ecy.wa.gov/biblio/ecy02085.html**
Notice of Termination	**http://www.ecy.wa.gov/biblio/ecy02087.html**
Transfer / Partial Transfer	**http://www.ecy.wa.gov/biblio/ecy02087a.html**
Copy of the Permit	**http://www.ecy.wa.gov/programs/wq/stormwater/construction/construction_final_permit.pdf**
Guide for Construction Sites	**http://www.ecy.wa.gov/biblio/9937.html**
Erosivity Waiver	**http://www.ecy.wa.gov/biblio/ecy070202.html**
Erosivity Calculator	**http://ei.tamu.edu/** **http://cfpub.epa.gov/npdes/stormwater/lew/lewcalculator.cfm**
Erosivity Basin Map	**http://www.ecy.wa.gov/programs/wq/stormwater/construction/figure_4_3_1.pdf**
Stormwater Pollution Prevention Plan (SWPPP) Template	***Template:*** **http://www.ecy.wa.gov/programs/wq/stormwater/construction/swppp_template/SWPPP_Template_FINAL.doc** ***Instructions on how to fill out the template:*** **http://www.ecy.wa.gov/programs/wq/stormwater/construction/swppp_template/ReadmeFirstInstructions.doc**
Stormwater Manual Western WA	**http://www.ecy.wa.gov/biblio/0510030.html**
Stormwater Manual Eastern WA	**http://www.ecy.wa.gov/biblio/0410076.html**
CESCL Certification	**http://www.ecy.wa.gov/programs/wq/stormwater/cescl.htm**
Emerging Technologies (chemical treatment)	**http://www.ecy.wa.gov/programs/wq/stormwater/newtech/index.html**

Department of Ecology Inspection Narrative
NPDES Construction Stormwater General Permit
Terrestrial Geotechnical Investigations Gateway Pacific Terminal – Access Point "B"
Inspection date(s): 3/12 & 3/16 2012

Follow up inspections to determine effectiveness of Best Management Practices (BMPs) installed after February 29, 2012 inspection and further investigate background conditions in receiving water (county ditch). March 12 inspection was announced. March 16 was unannounced.

All exposed soil was covered in four inches of straw. 10-12" ESC wattles were installed (staked) along the west side of the clearing. Rock (spall) check dams were placed in the Gulf Road ditch (east side). The measures appeared to stabilize the soil.

Initially, conditions in the ditch along the north side of Henry Road (before it joins with the runoff from the east side of Gulf Road) were presumed to represent background conditions. These ditches were running clear. Since the February 29 inspection, SSA has done more extensive sampling upstream to determine background conditions in the Gulf Road ditch (east side). Turbidity measurements are consistently higher in the ditch above the work site than measurements from samples of the discharge point at Access Point "B." Sampling by Ecology staff confirmed the results SSA obtained (see attached turbidity analysis). Background appears higher than the discharge from the site now that soils are stabilized.

Consequently, it does not appear that there had been or there currently is a Water Quality Standards violation due to background conditions in the ditch where the project area discharges. However, Ecology maintains its assessment that SSA's failure to stabilize soils according to its permit, and failure to request an extension within 10 days of turbidity readings exceeding benchmark were violations of the construction stormwater general permit.

One possible source of turbidity may be the resident deer population that is often observed transiting the project area. Deer may find the site more appealing due to the "trails" and browse created by the project. There are several locations where game trails cross the clearing and ditch. There is no construction activity occurring and no other sources of turbidity could be located. Ecology and the Permitee will continue to investigate possible sources of turbidity.

Kurt Baumgarten – Water Quality Specialist
Bellingham Field Office
March 20, 2012

WASHINGTON STATE DEPARTMENT OF ECOLOGY

03/2007

Turbidity Sampling/Analysis Record:

HACH Portable Turbidimeter, Model 2100P

(serial number ~~2100P~~ 010200027841)

Washington State Department of Ecology
Bellingham Field Office
1440 10th Street, Suite 102, Bellingham, WA 98225
(360) 715-5200 Fax (360) 715-5225

Name of Sampler (First, Last): KURT BAUMGARTEN

Project/Site Name: TERRESTRIAL GEOTHERMAL INFORMATION - GPT

Program: RFO - WQ

Project/Site Address: HENRY & GOLF RD

Phone #: 360-715-5210 Email: KUBA461@ECY.WA.GOV

City, State, Zip: FERNDALE WA 98248

Sample (s) Analyzed by (Name): KURT BAUMGARTEN

NPDES Permit # (if applicable): WAR 125379

Primary Calibration:
Check calibration log to see that a secondary calibration has been conducted within the last 14 calendar days with Gelex ™ turbidity standards according to section 3.6.7 (pp. 30 -34) of the HACH Company Instrument and Procedure Manual for Portable Turbidimeter Model 2100P. If not, secondary and/or primary calibration of the turbidimeter must be performed prior to sample analysis.

Last primary calibration:	Last secondary calibration:
Date:	Date:
Calibrated by:	Calibrated by:

Sample Identification	Sample Collection Date/Time	Preservation	Initials of person performing analysis	Analysis Results (NTU)	Sample Analysis Date/Time
#1 ACCESS POINT B. DISCHARGE NORTH OF CONSTRUCTION ENTRANCE	Date: 3.16.12 Time: 11:00	☑ Ice Other: COOLER	KRB	36.3	Date: 3.16.12 Time: 1440
#2 ONE METER UPSTREAM OF SAMPLE #1 IN DITCH	Date: 3.16.12 Time: 11:08	☑ Ice Other: COOLER	KRB	51.6	Date: 3.16.12 Time: 1442
#3 SAMPLE POINT B5 IN ROADSIDE DITCH (BACKGROUND)	Date: 3.16.12 Time: 11:35	☑ Ice Other: COOLER	KRB	53.5	Date: 3.16.12 Time: 1446
	Date: Time:	☐ Ice Other:			Date: Time:
	Date: Time:	☐ Ice Other:			Date: Time:
	Date: Time:	☐ Ice Other:			Date: Time:
	Date: Time:	☐ Ice Other:			Date: Time:

Remarks:

Over for additional Data Entry → → Over for additional Data Entry → → Over for additional Data Entry → → Over for additional Data Entry → →

Sample Identification	Sample Collection Date/Time	Preservation	Initials of person performing analysis	Analysis Results (NTU)	Sample Analysis Date/Time
	Date: Time:	□ Ice Other:			Date: Time:
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	Date: Time:	□ Ice Other:			Date: Time:
	Date: Time:	□ Ice Other:			Date: Time:
	Date: Time:	□ Ice Other:			Date: Time:

Secondary Calibration using Gelex® Secondary Turbidity Standards:	Calibration Date/ Time	Initials of Person performing Calibration	Calibration Results	Within +/- 5% Y or N? (If N, recalibrate w/ Primary standards)
Low 5.80	Date: 3.16.12 Time: 1430	KRB	5.84	Y
Medium 52.8	Date: 3.16.12 Time: 1431	KRB	52.7	Y
High 543	Date: 3.16.12 Time: 1432	KRB	543	Y