



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

4601 N Monroe Street • Spokane, Washington 99205-1295 • (509)329-3400

May 5, 2016

Mr. Tony Bean
Executive Director
Pullman-Moscow Regional Airport
3200 Airport Complex North
Pullman, WA 99163

RE: Water Quality Certification Order No. 13297 for Corps Public Notice No. NWS-2015-204, Pullman Moscow Regional Airport Realignment Project, Whitman County, Washington

Dear Mr. Bean:

The Pullman-Moscow Regional Airport submitted a Joint Aquatic Resources Permit Application (JARPA) to the Department of Ecology (Ecology) requesting a Section 401 Water Quality Certification. A joint public notice regarding the request was distributed by the Army Corps of Engineers (Corps) for the above-referenced project pursuant to the provisions of Chapter 173-225 WAC on January 27, 2016.

The Pullman-Moscow Regional Airport (PUW) has proposed this project to bring the airport into compliance with current Federal Aviation Administration (FAA) design and safety standards. Currently, PUW does not meet FAA design standards for the type and size of aircraft using the airport. To meet these standards, runway 6/24 will be realigned, extended, and widened. In addition, Airport Creek, which runs parallel and through the Airport property, will be relocated and reconfigured, power transmission lines will be relocated, and the passenger terminal will be expanded and relocated to accommodate existing passenger demand.

On behalf of the State of Washington, Ecology certifies that the work described in the JARPA and the public notice complies with applicable provisions of Sections 301, 302, 303, 306, and 307 of the Clean Water Act, as amended and applicable state laws. This certification is subject to the conditions contained in the enclosed Order.



Mr. Tony Bean
May 5, 2016
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If you have any questions, please contact David Moore at (509) 329-3474. The enclosed Order may be appealed by following the procedures described in the Order.

Sincerely,



Lisa Brown (for Sara Hunt)
Section Manager
Shorelands and Environmental Assistance Program
Eastern Regional Office - Spokane

Enclosure

By Certified Mail [7012 3050 0000 1094 9337]

cc: Jess Jordan, Corps of Engineers

e-cc: ECY RE FEDPERMITS
Loree Randall – HQ, SEA

**IN THE MATTER OF GRANTING A
WATER QUALITY
CERTIFICATION TO**

Pullman-Moscow Regional Airport
in accordance with 33 U.S.C. 1341
(FWPCA § 401), RCW 90.48.120, RCW
90.48.260 and Chapter 173-201A WAC

) **ORDER # 13297**

) **Corps Reference No. NWS-2015-204**

) Pullman-Moscow Regional Airport runway 5/23
) realignment project; wetland mitigation,
) Whitman County, Washington

TO: Tony Bean, Executive Director
Pullman-Moscow Regional Airport
3200 Airport Complex North
Pullman, WA 99163

The Pullman-Moscow Regional Airport submitted a Joint Aquatic Resources Permit Application (JARPA) to the Department of Ecology (Ecology) requesting a Section 401 Water Quality Certification. A joint public notice regarding the request was distributed by the Army Corps of Engineers (Corps) for the above-referenced project pursuant to the provisions of Chapter 173-225 WAC on January 27, 2016.

The Pullman-Moscow Regional Airport (PUW) has proposed this project to bring the airport into compliance with current Federal Aviation Administration (FAA) design and safety standards. Currently, PUW does not meet FAA design standards for the type and size of aircraft using the airport. To meet these standards, runway 6/24 will be realigned, extended, and widened. In addition, Airport Creek, which runs parallel and through the Airport property, will be relocated and reconfigured, power transmission lines will be relocated, and the passenger terminal will be expanded and relocated to accommodate existing passenger demand.

The proposed design of the runway project will result in permanent impacts to several portions of wetlands and streams. The anticipated wetland/stream impacts have been identified and evaluated in a 2014 Wetland Delineation Report completed by J-U-B Engineers. The wetland/stream impacts include a total of:

- 10.3 acres of riverine (category II) wetlands
- 0.9 acres of depressional (category III) wetlands
- 7.0 acres of sloped (category IV) wetlands, and
- 8,460 linear feet of Airport Creek (Type F stream)

Mitigation occurred at a 117.48 acre conservation easement area (CEA) located immediately southeast of the Town of Colfax. The proposed mitigation measures will result in the following elements:

- The creation of approximately 8 acres of riverine wetlands;

- The enhancement and preservation of 13 acres of riverine wetlands;
- The enhancement and preservation of 1 acre of sloped wetlands;
- The enhancement and preservation of approximately 95 acres of adjacent and contiguous upland buffer areas;
- The installation of at least 3 in-stream boulder clusters for fish habitat (totaling roughly 1,500 square feet);
- The installation of approximately 19,260 native plantings and application of approximately 400 pounds of wetland seed mix; and,
- Other interrelated enhancement measures including wildlife friendly perimeter fencing, waterfowl nesting platforms, and management of non-native noxious weeds (primarily targeting yellow starthistle).

The project is located at the Pullman-Moscow Regional Airport, Airport Creek, several ephemeral tributaries and abutting and adjacent wetlands, Whitman County, Washington in Sections 34, 35, and 36, Township 15 North, Range 45 East, and Section 3, Township 14 North, Range 45 East.

The off-site mitigation is located approximately 15 miles northwest of the airport along the South Fork of the Palouse River, Whitman County, Washington in Sections 23 and 24, Township 16 North, Range 43 East and Section 19, Township 16 North, Range 44 East. The Corps issued a Nation Wide Permit (NWP) 27 for the wetland and stream mitigation activities on June 30, 2015. Wetland mitigation was implemented in advance of the airport runway construction and completed in October of 2015. A mitigation plan was developed by J-U-B Engineers in December 2014 with subsequent approval by Ecology in 2015.

AUTHORITIES:

In exercising authority under 33 U.S.C. § 1341, RCW 90.48.120, and RCW 90.48.260, Ecology has reviewed this application pursuant to the following:

1. Conformance with applicable water quality-based, technology-based, and toxic or pretreatment effluent limitations as provided under 33 U.S.C. §§1311, 1312, 1313, 1316, and 1317 (FWPCA §§ 301, 302, 303, 306 and 307);
2. Conformance with the state water quality standards contained in Chapter 173-201A WAC and authorized by 33 U.S.C. §1313 and by Chapter 90.48 RCW, and with other applicable state laws; and
3. Conformance with the provision of using all known, available and reasonable methods to prevent and control pollution of state waters as required by RCW 90.48.010.

WATER QUALITY CERTIFICATION CONDITIONS:

Through issuance of this Order, Ecology certifies that it has reasonable assurance that the activity as proposed and conditioned will be conducted in a manner that will comply with applicable water quality standards and other appropriate requirements of state law. In view of the foregoing and in accordance with 33 U.S.C. §1341, RCW 90.48.120, RCW 90.48.260 Chapter 173-200 WAC and Chapter 173-201A WAC, water quality certification is granted to the Applicant subject to the conditions within this Order.

Certification of this proposal does not authorize the Applicant to exceed applicable state water quality standards (Chapter 173-201A WAC), ground water quality standards (Chapter 173-200 WAC) or sediment quality standards (Chapter 173-204 WAC). Furthermore, nothing in this certification absolves the Applicant from liability for contamination and any subsequent cleanup of surface waters, ground waters or sediments resulting from project construction or operations.

A. General Conditions:

1. For purposes of this Order, the term "Applicant" shall mean the Pullman-Moscow Regional Airport and its agents, assignees and contractors.
2. All submittals required by this Order shall be sent to Ecology's Eastern Regional Office, Attn: Federal Permit Manager, 4601 N. Monroe Street, Spokane WA 99205 or via e-mail (preferred), if possible, to the Manager assigned to this project. The submittals shall be identified with Order No. 13297 and include the Applicant's name, project name, project location, the project contact and the contact's phone number.
3. Work authorized by this Order is limited to the work described in the Joint Aquatic Resource Permit Application (JARPA) received by Ecology on March 27, 2015. The Applicant will be out of compliance with this Order and must submit an updated JARPA if the information contained in the JARPA is voided by subsequent changes to the project not authorized by this Order.
4. Within 30 days of receipt of an updated JARPA, Ecology will determine if the revised project requires a new water quality certification and public notice or if a modification to this Order is required.
5. This Order shall be rescinded if the U.S. Army Corps of Engineers does not issue a Section 404 permit for the project.

6. The Applicant shall send (per A.2.) a copy of the final U.S. Army Corps of Engineers Section 404 permit to Ecology's Federal Project Coordinator within two weeks of receiving it.
7. The Applicant shall keep copies of this Order on the job site and readily available for reference by Ecology personnel, the construction superintendent, construction managers and lead workers, and state and local government inspectors.
8. The Applicant shall provide access to the project site and all mitigation sites upon request by Ecology personnel for site inspections, monitoring, necessary data collection, and/or to ensure that conditions of this Order are being met.
9. Nothing in this Order waives Ecology's authority to issue additional orders if Ecology determines that further actions are necessary to implement the water quality laws of the state. Further, Ecology retains continuing jurisdiction to make modifications hereto through supplemental order, if additional impacts due to project construction or operation are identified (*e.g.*, violations of water quality standards, downstream erosion, etc.), or if additional conditions are necessary to further protect water quality.
10. The Applicant shall ensure that the project engineer, prime contractor and any sub-contractors at the project site with authority to direct work have read and understand relevant conditions of this Order and all permits, approvals, and documents referenced in this Order. The Applicant shall provide Ecology a signed statement (see Attachment A for an example) from each signatory that s/he has read and understands the conditions of this Order and the above-referenced permits, plans, documents and approvals. These statements shall be provided to Ecology before construction begins.
11. This Order does not authorize direct, indirect, permanent, or temporary impacts to waters of the state or related aquatic resources, except as specifically provided for in conditions of this Order.
12. Failure of any person or entity to comply with the Order may result in the issuance of civil penalties or other actions, whether administrative or judicial, to enforce the terms of this Order.

B. Notification Requirements

1. Notification shall be made via phone or e-mail (e-mail is preferred) to Ecology's Federal Permit Manager. Notifications shall be identified with Order No. 13297 and include the Applicants name, project name, project location, project contact and the contact's phone number.
 - a. At least ten (10) days prior to all pre-construction meetings

- b. At least ten (10) days prior to conducting initial in-water work activities for each in-water work window established in the most current HPA.
- c. At least seven (7) days within project completion.

C. Timing

1. This Order is valid until December 2025.
2. In-water work is subject to a fishery closure window determined by Washington Department of Fish & Wildlife's Hydraulic Project Approval (HPA). All in-water work shall be completed within the work window of July 8, 2015 to October 31, 2019, or the date identified in the most current/revised HPA issued for this project.

D. Water Quality Monitoring & Criteria

1. This Order does not authorize the Applicant to exceed applicable state water quality standards for turbidity as described in WAC 173-201A-200 (1)(e).
2. The Applicant shall submit a Water Quality Monitoring and Protection Plan (WQMPP) to the Federal Project Coordinator for review and approval at least 20 days prior to beginning work for each activity below the ordinary high water line (OHWL), in-water and over-water. **Work is not authorized to begin until approval is received.** At a minimum, the WQMPP shall include:
 - a. The names(s) and phone numbers (s) of the Pollution control inspector and the person responsible for on-site monitoring and report;
 - b. The BMPs and procedures to be used to protect water quality during specific proposed below the ordinary high water mark, in-water and over-water activities;
 - c. A water sampling plan for turbidity and pH, which include sample locations and frequency;
 - d. Sampling locations for turbidity shall include, but are not limited to; background, half the distance to the point of compliance and at the point of compliance, unless otherwise approved by Ecology.
 - e. A map with numbered or named sampling locations associated with the in-water work activities.
 - f. Contingencies during in-water work activities
3. Ecology must approve, in writing, any changes or additions to the WQMPP.
4. Monitoring results shall be submitted monthly to the Ecology Federal Project Coordinator, per condition A.2.

5. Mitigation and/or additional monitoring may be required if the monitoring results indicate that the water quality standards have not been met.

E. Construction

General Conditions

1. The Applicant shall comply with the conditions of the current Construction Stormwater Permit (National Pollutant Discharge Elimination System – NPDES) issued for this project.
2. All clearing limits, stockpiles, staging areas, and trees to be preserved shall clearly be marked prior to commencing construction activities and maintained until all work is completed for each project.
3. No petroleum products, fresh concrete, lime or concrete, chemicals, or other toxic or deleterious materials shall be allowed to enter waters of the state.
4. All construction debris, excess sediment, and other solid waste material shall be properly managed and disposed of in an upland disposal site approved by the appropriate regulatory authority.
5. Turbid de-watering water associated with in-water work shall not be discharged directly to waters of the state, including wetlands. Turbid de-watering water shall be routed to an upland area for on-site or off-site settling.
6. Clean de-watering water associated with in-water work that has been tested and confirmed to meet water quality standards may be discharged directly to waters of the state including wetlands. The discharge outfall method shall be designed and operated so as not to cause erosion or scour in the stream channel, banks, or vegetation.
7. All equipment being used below the ordinary high water mark shall utilize bio-degradable hydraulic fluid.

Equipment & Maintenance

1. Staging areas will be located a minimum of 50 feet and, where practical, 200 feet, from waters of the state including wetlands. If a staging area must be located within 50 feet of waters of the state, then the Applicant shall provide a written explanation and obtain approval from Ecology's Federal Permit Coordinator before placing the staging area in the setback area.

2. Equipment used for this project shall be free of external petroleum-based products while used around the waters of the state, including wetlands. Accumulation of soils or debris shall be removed from the drive mechanisms (wheels, tires, tracks, etc.) and the undercarriage of equipment prior to its use around waters of the state, including wetlands.
3. No equipment shall enter, operate, be stored or parked within any sensitive area except as specifically provided for in this Order.
4. Fuel hoses, oil drums, oil or fuel transfer valves and fittings, etc., shall be checked regularly for drips or leaks, and shall be maintained and stored properly to prevent spills into state waters.
5. Wash water containing oils, grease, or other hazardous materials resulting from wash down of equipment or working areas shall not be discharged into state waters. The Applicant shall set up a designated area for washing down equipment.
6. A separate area shall be set aside, which does not have any possibility of draining to surface waters, for the wash-out of concrete delivery trucks, pumping equipment, and tools.

Culvert Work & Stream Bypass

1. All culvert work shall be conducted in the dry or in isolation from stream flow.
2. Stream flow isolation work shall not scour the stream channel or banks of the water body in which the work is being done.
3. To minimize sediment releases into downstream water, water reintroduced to the channel shall be done gradually and at a rate not exceeding the normal stream flow.
4. Culverts shall be installed to avoid inlet scouring and prevent downstream bank erosion.
5. Fill associated with culvert installation shall be protected from erosion to the 100-year peak flow.

F. Wetland Compensatory Mitigation Conditions

1. The Applicant shall mitigate wetland impacts as described in the Wetland Mitigation Plan for the Pullman-Moscow Regional Airport Realignment Project (hereafter called the "Mitigation Plan") prepared by J-U-B Engineers, and dated December 2014, or as modified by this Order or revised and approved by Ecology.
2. The Applicant shall submit any changes to the Mitigation Plan in writing to Ecology (see A.2) for review and approval before work begins.

3. The Applicant shall get review and written approval from Ecology of any plan changes required if problems arise during construction and planting of the wetland mitigation site.
4. The Applicant shall have a wetland professional at the wetland mitigation site to supervise during construction and planting.

Implementation

1. The Applicant shall ensure that all excess excavated site material is disposed of in an appropriate location outside of wetlands and their buffers at the wetland mitigation site and above the 100-year floodplain.
2. The Applicant shall ensure that no material is stockpiled within existing wetlands and their buffers at the wetland mitigation site(s) at any time, unless provided for in the Ecology-approved Mitigation Plan.
3. The Applicant shall ensure that no construction debris is deposited within existing wetland and their buffers at the wetland mitigation site(s) at any time, unless provided for in the Ecology approved Mitigation Plan.
4. The Applicant shall not use polyacrylamide at the mitigation site(s).
5. The Applicant shall not use hay or straw on exposed or disturbed soil at the mitigation site(s).
6. Aquatic herbicides can be used or applied only by certified applicators or persons under the direct supervision of a certified applicator, and only for those uses covered by the certified applicator's license category. Applicators are required to be permitted under Ecology's Noxious Weed Control Permit. Applicators shall comply with all conditions of the Noxious Weed Control Permit.
7. If weed-barrier fabric is used on the site, the Applicant shall use only permeable, fully biodegradable, non-toxic weed-barrier fabric for entire-site and/or individual plant weed control. Non-biodegradable plastic weed-barrier fabric shall be used only at the base of individual plants and shall be removed before it starts to break down, before it interferes with plant growth, or before the end of the monitoring period, whichever comes first.
8. If seeding is used as a best management practice for temporary erosion control, it must be a seed mix consisting of native, annual, non-invasive plant species.
9. The Applicant shall not use solid or mesh plant protector tubes at the mitigation site(s) unless otherwise approved by Ecology.

10. The Applicant shall place signs at the mitigation area's boundaries, including buffers, to mark the area as a wetland mitigation site.
11. Upon completion of site-grading and prior to planting, the Applicant shall submit to Ecology written confirmation, from a surveyor or project engineer, that the finished grades are consistent with the approved Mitigation Plan or subsequent Ecology-approved plan changes. The confirmation should indicate how final elevations were confirmed. The written confirmation can be in the form of an email or signed letter.
12. After completing construction and planting of the mitigation sites(s), the Applicant shall submit to Ecology (see A.2) an as-built report, including plan sheets, documenting site conditions at Year Zero. The as-built report must:
 - a. Be submitted within 90 days of completing construction and planting. Include one hard copy and one electronic file.
 - b. Include the information listed in Attachment B (Information Required for As-built Reports).
 - c. Include documentation of the recorded legal mechanism required in Condition F. 19.
13. Within 90 days of the date the Order was issued, the Applicant shall record a conservation easement for Pullman Moscow Regional Airport Wetland Mitigation Site, a copy of this Order, and a site map indicating the location of mitigation site(s) and their buffers. These documents must be recorded with the County Recording Office, Registrar of Deeds, or other official responsible for maintaining records for, or interest in, real property.

Monitoring and Maintenance

1. The Applicant shall water and maintain all mitigation site plantings so as to meet the Mitigation Plan's performance standards. If an irrigation system is installed, it shall be removed by the end of year three unless permission is received in writing from Ecology to allow the system to remain for a longer period.
2. The Applicant shall monitor the mitigation site for a minimum of 10 years. The Applicant shall use the monitoring methods described on page(s) 10 through 13 of the Mitigation Plan.
3. The Applicant shall submit to Ecology (see A.2) monitoring reports documenting mitigation site conditions for years 1, 2, 3, 5, 7, and 10. The monitoring reports must:

- a. Be submitted by December 31 of each monitoring year. Include one hard copy and one electronic file.
 - b. Include the information listed in Attachment C (Information Required for Monitoring Reports).
4. The Applicant shall implement the Mitigation Plan's contingency measures if the Mitigation Plan's goals, objectives, or performance standards are not being met.
 5. Prior to implementing contingency measures not specified in the Mitigation Plan, the Applicant shall consult with and obtain written approval from Ecology for the changes.
 6. When necessary to meet the performance standards, the Applicant shall replace dead or dying plants with the same species, or an appropriate native plant alternative, during the first available planting season and note species, numbers, and approximate locations of all replacement plants in the subsequent monitoring report.
 7. For monitoring years five (5) and ten (10) the Applicant shall use the currently approved federal wetland delineation manual and appropriate regional supplement to delineate all compensatory wetlands and include delineation information (e.g. data sheets, maps, etc.) in the monitoring reports.
 8. At the end of the monitoring period, the Applicant shall use the most current version of the "Washington State Wetlands Rating System for Eastern Washington" to rate all wetlands (except those that have been preserved) and include the information in the monitoring report.
 9. If the Applicant has not met all conditions, including performance standards for the mitigation site at the end of the monitoring period, Ecology may require additional monitoring, additional mitigation, or both.
 10. Until the Applicant has received written notice from Ecology that the Mitigation Plan has been fully implemented, the Applicant's obligation under Condition F.1 to mitigate for wetland impacts is not met.

G. Emergency/Contingency Measures

1. The Applicant shall develop and implement a spill prevention and containment plan for this project and shall have spill cleanup material available on site at all times during construction.
2. Work that is out of compliance with the provisions of this Order, conditions causing distressed or dying fish, discharges of oil, fuel, or chemicals into state waters or onto land

- a. Cease operations at the location of the non-compliance.
 - b. Assess the cause of the water quality problem and take appropriate measures to correct the problem and/or prevent further environmental damage.
 - c. In the event of a discharge of oil, fuel, or chemicals into state waters, or onto land with a potential for entry into state waters, containment and cleanup efforts shall begin immediately and be completed as soon as possible, taking precedence over normal work. Cleanup shall include proper disposal of any spilled material and used cleanup materials.
 - d. Immediately notify Ecology's Regional Spill Response Office and the Washington State Department of Fish & Wildlife with the nature and details of the problem, any actions taken to correct the problem, and any proposed changes in operation to prevent further problems.
 - e. Immediately notify the National Response Center at 1-800-424-8802, for actual spills to water only.
3. Notify Ecology's Regional Spill Response Office immediately if chemical containers (e.g. drums) are discovered on-site or any conditions present indicating disposal or burial of chemicals on-site that may impact surface water or ground water.

YOUR RIGHT TO APPEAL

You have a right to appeal this Order to the Pollution Control Hearings Board (PCHB) within 30 days of the date of receipt of this Order. The appeal process is governed by Chapter 43.21B RCW and Chapter 371-08 WAC. "Date of receipt" is defined in RCW 43.21B.001(2).

To appeal you must do all of the following within 30 days of the date of receipt of this Order.

- File your appeal and a copy of this Order with the PCHB (see addresses below). Filing means actual receipt by the PCHB during regular business hours.
- Serve a copy of your appeal and this Order on Ecology in paper form - by mail or in person. (See addresses below.) E-mail is not accepted.

You must also comply with other applicable requirements in Chapter 43.21B RCW and Chapter 371-08 WAC.

ADDRESS AND LOCATION INFORMATION

Street Addresses	Mailing Addresses
<p>Department of Ecology Attn: Appeals Processing Desk 300 Desmond Drive SE Lacey, WA 98503</p> <p>Pollution Control Hearings Board 1111 Israel RD SW STE 301 Tumwater, WA 98501</p>	<p>Department of Ecology Attn: Appeals Processing Desk PO Box 47608 Olympia, WA 98504-7608</p> <p>Pollution Control Hearings Board PO Box 40903 Olympia, WA 98504-0903</p>

DATED May 4, 2016 at Spokane, Washington.



Lisa Brown

for Sara Hunt
Section Manager
Shorelands & Environmental Assistance Program (SEA)
Eastern Regional Office - Spokane
State of Washington

Attachment A

**Pullman Moscow Airport Realignment Project
Water Quality Certification Order #13297**

**Statement of Understanding of
Water Quality Certification Conditions**

I have read and understand the conditions of Order #13297 Section 401 Water Quality Certification for the Pullman Moscow Airport Realignment Project. I have also read and understand all permits, plans, documents, and approvals associated with the project referenced in this order.

Signature

Date

Print Name

Company

Title

Attachment B
Information Required for As-built Reports

Pullman Moscow Airport Realignment Project
Water Quality Certification Order # 13297

And

Corps Reference # NWS-2015-204

Ecology requires the following information for as-built reports submitted under this Order. Ecology will accept additional information that may be required by other agencies.

Background Information

- 1) Project name.
- 2) Ecology Order number and the Corps reference number.
- 3) Name and contact information of the person preparing the as-built report. Also, if different from the person preparing the report, include the names of:
 - a) The applicant
 - b) The landowner
 - c) Wetland professional on site during construction of the site(s).
- 4) Date the report was produced.

Restoration Project Information

- 5) Brief description of the **final** restoration project with any changes from the approved plan made during construction. Include:
 - a) Description of actual activities completed
 - b) Important dates, including:
 - i. When work on the restoration project began and ended.
 - ii. When different activities such as grading, removal of invasive plants, installing plants, and installing habitat features began and ended.
- 6) Description of any problems encountered and solutions implemented (with reasons for changes) during construction of the site(s).
- 7) List of any follow-up actions needed, with a schedule.
- 8) Vicinity map showing the geographic location of the site(s) with landmarks.
- 9) Site map(s), 8-1/2" x 11" or larger, showing the following:
 - a) Boundary of the site(s).
 - b) Topography (with a description of how elevations were determined).
 - c) Installed planting scheme (quantities, densities, sizes, and approximate locations of plants, as well as the source(s) of plant material).
 - d) Location of habitat features.
 - e) Location of permanent photo stations and any other photos taken.

Include the month and year when each map was produced or revised. The site map(s) should reflect on-the-ground conditions after the site work is completed.

- 10) Photographs taken at permanent photo stations and other photographs, as needed. Photos must be dated and clearly indicate the direction from which each photo was taken. Photo pans are recommended.
- 11) A copy of any deed notifications, conservation easements, or other approved site protection mechanism.

Attachment C
Information Required for Monitoring Reports

Pullman Moscow Airport Realignment Project
Ecology Order # 13297
And
Corps Reference # NWS-2015-204

Ecology requires the following information for monitoring reports submitted under this Order. Ecology will accept additional information that may be required by other agencies.

Background Information

- 1) Project name.
- 2) Ecology Order number and the Corps reference number.
- 3) Name and contact information of the person preparing the monitoring report. Also, if different from the person preparing the report, include the names of:
 - a) The applicant
 - b) The landowner
 - c) The party responsible for the monitoring activities.
- 4) Dates the monitoring data were collected.
- 5) Date the report was produced.

Mitigation Project Information

- 6) Brief description of the mitigation project, including acreage of Cowardin classes and mitigation type(s) (re-establishment, rehabilitation, creation, enhancement, preservation, upland, buffers).
- 7) Description of the monitoring approach and methods. For each performance standard being measured provide the following information:
 - a) Description of the sampling technique (e.g., monitoring point for soil or hydrology, line or point intercept method, ocular estimates in individually placed plots). If you are using a standardized technique, provide a reference for that method.
 - b) Size and shape of plots or transects.
 - c) Number of sampling locations and how you determined the number of sampling locations to use.
 - d) Percent of the mitigation area being sampled.
 - e) Locations of sampling (provide a map showing the locations), how you determined where to place the sampling locations (e.g., simple random sample), and whether they are permanent or temporary.
 - f) Schedule for sampling (how often and when).
 - g) Description of how the data was evaluated and analyzed.
- 8) Summary table(s) comparing performance standards with monitoring results and whether each standard has been met.

- 9) Discussion of how the monitoring data were used to determine whether the site(s) is meeting performance standards.
- 10) Goals and objectives and a discussion of whether the project is progressing toward achieving them.
- 11) Summary, including dates, of management actions implemented at the site(s), for example, maintenance and corrective actions.
- 12) Summary of any difficulties or significant events that occurred on the site that may affect the success of the project.
- 13) Specific recommendations for additional maintenance or corrective actions with a timetable.
- 14) Photographs taken at permanent photo stations and other photographs, as needed. Photos must be dated and clearly indicate the direction the camera is facing. Photo pans are recommended.
- 15) Vicinity map showing the geographic location of the site(s) with landmarks.
- 16) Mitigation site map(s), 8-1/2" x 11" or larger, showing the following:
 - a) Boundary of the site(s).
 - b) Location of permanent photo stations and any other photos taken.
 - c) Data sampling locations, such as points, plots, or transects.
 - d) Approximate locations of any replanted vegetation.
 - e) Changes to site conditions since the last report, such as areas of regrading, a shift in the location of Cowardin classes or habitat features, or a change in water regime.

Include the month and year when each map was produced or revised. The site map(s) should reflect on-the-ground conditions during the most recent monitoring year.

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(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

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DATE
OKA

Mr. Tony Bean
Executive Director
Pullman-Moscow Regional Airport
3200 Airport Complex North
Pullman, WA 99163

PS Form 3800, August 2006

See Reverse for Instructions

7012 3050 0000 1094 9337

