



STATE OF WASHINGTON  
DEPARTMENT OF ECOLOGY

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May 30, 2018

Brandon Ball, P.E.  
Parametrix  
60 Washington Avenue, Suite 390  
Bremerton, WA 98337

Subject: North Ranch Septage Lagoon  
DSO File No.: MA14-1824

Dear Mr. Ball:

The construction plans for the North Ranch Septage Lagoon have been reviewed in accordance with RCW 90.03.350. The revised modifications adequately address the engineering concerns expressed during our review process. Enclosed are one set of approved plans and a construction permit authorizing construction to commence.

Periodically during construction, engineers from the Dam Safety Office (DSO) will be on site to observe construction activities. To facilitate inspection scheduling, the DSO should be kept informed of construction progress. Toward this end, please advise our office of the field personnel who will be responsible for overseeing the construction work.

We are particularly interested in observing the following stages of project construction:

- Subgrade preparation.
- Placement of the initial lifts of structural fill, and periodically during the remainder of this phase of the work.
- Installation of overflow structures and pipes.
- Final preparation of the liner subgrade, placement, seaming and testing of the initial geomembrane panels, and periodically during the remainder of this phase of the work.

We would appreciate receiving: 1) a construction schedule when it is developed; and, 2) timely notice of the start of the above elements of the construction of the project. Ideally, 2 to 3 days' notice would be provided, however, we can respond with less notice.

Please note that the Dam Safety Approval is but one of a number of permits and/or approvals that may be required for the project before construction begins. It is the owner's responsibility to



secure all other permits and approvals that may be required prior to beginning construction. The owner should be notified that the issuance of a Dam Safety Approval would only reflect the fact that the project satisfactorily addresses engineering issues posed by the site and of concern to the DSO.

To complete the Dam Safety permitting process, the project engineer shall submit to the DSO the following:

1. *Operation & Maintenance (O&M) Plan*: As required by WAC 173-175-210, an O&M Plan must be developed for the project. The O&M Plan shall be submitted to the DSO for review and acceptance before the authorization to commence project operation is issued. A copy of the O&M Plan form is included as Appendix B in Part II of the Dam Safety Guidelines.
2. A declaration stating that the project was constructed in accordance with the approved plans and specifications, and construction change orders (if any). This submittal shall take place within 30 days following substantial completion of construction. A Declaration of Dam Construction Completion form is included on page 27 of Part II of the Dam Safety Guidelines. Following concurrence with the project engineer's declaration, the DSO will authorize the project to commence operations.
3. As noted on Section 4.8 of Part II of the Dam Safety Guidelines, a construction report should be submitted to the DSO within 120 days following completion of construction activities. This report summarizes the results of field testing (e.g., compaction results, seam testing, etc.), discusses any significant activities of the construction work, and includes a copy of the as-built plans.
4. *Emergency Action Plan (EAP)*: As per the provisions of WAC 173-175-220, an EAP is required for this facility. DSS Guidelines Part I and Technical Note I provide detailed information on this requirement. Also, Charlotte Lattimore, Dam Safety's EAP Coordinator, can be reached by e-mail at [clat461@ecy.wa.gov](mailto:clat461@ecy.wa.gov) or by phone at (360) 407-6066 for further assistance with this requirement.

If you have any questions, please send me an e-mail at [gord461@ecy.wa.gov](mailto:gord461@ecy.wa.gov) or call me at (360) 407-6619.

Sincerely,



Gustavo A. Ordonez, P.E.  
Dam Safety Office  
Water Resources Program

Enclosures

# PERMIT FOR DAM CONSTRUCTION

IN ACCORDANCE WITH RCW 90.03.350 & WAC 173-175-180

PROJECT: North Ranch Septage Lagoon PERMIT NO: M#14-1824

DAM OWNER: Bio Recycling Corporation



**ISSUED BY THE DEPARTMENT OF ECOLOGY  
DAM SAFETY OFFICE  
WATER RESOURCES PROGRAM**

DATE: May 30, 2018

APPROVED BY: Gustavo A. Brdonez

TO BE POSTED IN A PROMINENT LOCATION AT SITE