

**Fact Sheet Amendment for  
State Waste Discharge Permit No. ST0008019  
Loon Lake Sewer District No. 4**

**PURPOSE OF THIS FACT SHEET AMENDMENT**

This fact sheet amendment explains and documents the modifications to the permit issued to Loon Lake Sewer District No. 4 (LLSD) on July 5, 2018. The fact sheet that accompanied the 2018 permit has detailed information about the wastewater treatment plant and Ecology's permit decisions.

State law requires any county or any municipal or public corporation operating a domestic sanitary sewer collection and treatment system to obtain a permit before discharging waste to waters of the state, which includes groundwater. State law also requires any commercial or industrial facility to obtain a permit before discharging waste or chemicals to domestic sewer systems or to waters of the state.

Ecology makes the draft permit and fact sheet available for public review and comment at least 30 days before issuing the final permit. Copies of the fact sheet and draft permit for LLSD, State Waste Discharge permit ST0008019, are available for public review and comment from December 19, 2018 until the close of business January 18, 2019. For more details on preparing and filing comments about these documents, please see **Appendix A - Public Involvement Information**.

After the public comment period closes, Ecology will summarize substantive comments and our responses to them. Ecology will include our summary and responses to comments on this fact sheet amendment as **Appendix C - Response to Comments**, and publish it when we issue the final State Waste Discharge permit. Ecology will not revise the rest of the fact sheet, but the full document including all appendices will become part of the legal history contained in the facility's permit file.

This fact sheet amendment explains the regulatory and technical basis for the amended conditions contained in the permit.

**INTRODUCTION**

The legislature defined Ecology's authority and obligations for the wastewater discharge permit program in the Water Pollution Control law, chapter 90.48 RCW (Revised Code of Washington).

Ecology adopted rules describing how it exercises its authority:

- State waste discharge program (chapter 173-216 WAC)
- Water quality standards for groundwaters of the state of Washington (chapter 173-200 WAC)
- Submission of plans and reports for construction of wastewater facilities (chapter 173-240 WAC)

These rules require any domestic facility owner/operator to obtain a State Waste Discharge permit before discharging wastewater to state waters.

This rule includes commercial or industrial discharges to sewerage systems operated by municipalities or public entities which discharge into public waters of the state. They also help define the basis for limits on each discharge and for performance requirements imposed by the permit.

Under the State Waste Discharge permit program and in response to a complete and accepted permit application, Ecology generally prepares a draft permit and accompanying fact sheet, and makes it available for public review before final issuance. When Ecology publishes an announcement (public notice), it tells people where they can read the draft permit, and where to send their comments, during a period of 30 days. (See **Appendix A - Public Involvement Information** for more detail about the public notice and comment procedures). After the public comment period ends, Ecology may make changes to the draft State Waste Discharge permit in response to comment(s). Ecology will summarize the responses to comments and any changes to the permit in **Appendix C**.

## 1. GENERAL INFORMATION

Name	Loon Lake Sewer District No. 4 PO Box 98, Loon Lake, WA 99148 (509) 233-8132
Facility Address	Loon Lake Sewer District Wastewater Treatment Plant 3963 Christensen Road, Loon Lake, WA 99148
Type of Treatment	Aerated primary lagoon, three lined storage lagoons, and land treatment by spray irrigation
Discharge Location	69-acre sprayfield in Stevens County
Contact at Facility	Floyd "Denny" Layton Operations and Maintenance Supervisor Loon Lake Sewer District No. 4
Responsible Official	Joan Easley Chair, Board of Commissioners Loon Lake Sewer District No. 4

## 2. BACKGROUND

Loon Lake Sewer District No. 4 owns and operates a land treatment system that serves the communities of Loon Lake and Deer Lake. The facility has an aerated primary lagoon that discharges wastewater for polishing into a three lagoon system with a total effluent storage capacity of 50 million gallons.

During the irrigation season, wastewater is applied via spray irrigation to a 69-acre field that produces an alfalfa/grass mix hay crop. Wastewater is stored in the lagoons outside of the irrigation season.

### **3. DISCUSSION**

The permit was set up to be a single sample of the comingled influent at the headworks with the goal of making sampling simpler for the operator and to reduce the cost of monthly testing by reducing the number of samples taken. The operator first became aware of this change in influent sampling when he began sampling under the new permit conditions.

The operator informed Ecology that the headworks is set up so that it would be more difficult for LLSLD to sample the mingled influent as currently written in the permit. Since this is contrary to the intent of this sampling requirement, Ecology agreed to a modification to revert back to the previous sampling set up from the previous permit issued in 2011 which separates monitoring for the two influent flows for Deer Lake and Loon Lake. The operator also requested that the 8-hour sampling type revert back to 24-hour composite sampling type as well.

### **4. PERMIT MODIFICATION**

Ecology will make the following changes to the permit:

1. Pages 6 & 7, Wastewater Influent Monitoring, Section S2.A; separate Deer Lake and Loon Lake influent flow, BOD<sub>5</sub>, and TSS monitoring into two separate sampling events.
2. Pages 6 & 7, Wastewater Influent Monitoring, Section S2.A; switch the sample type for BOD<sub>5</sub> and TSS from 8-Hour Manual Composite to 24-Hour Composite.

### **5. CONCLUSION**

Ecology proposes to modify Loon Lake Sewer District No. 4's permit as discussed in sections 3 & 4 above.

No other condition or requirement of the 2018 permit is hereby affected by this amendment.

### **APPENDIX A – PUBLIC INVOLVEMENT**

### **APPENDIX B - YOUR RIGHT TO APPEAL**

### **APPENDIX C - RESPONSE TO COMMENTS**

## **Appendix A – Public Involvement Information**

Ecology proposes to modify Loon Lake Sewer District No. 4 State Waste Discharge permit. The permit modifications are described in this fact sheet amendment.

Ecology will place a Public Notice of Draft on December 19, 2018 in the Colville Statesman Examiner to inform the public and to invite comments on the proposed draft permit and fact sheet amendment. Interested persons are invited to submit written comments regarding the modifications. The modified draft permit, fact sheet amendment, and related documents are available for inspection and copying between the hours of 8:00 a.m. and 5:00 p.m. weekdays, by appointment, at the regional office listed below. Written comments should be mailed to **Water Quality Program, Department of Ecology, 4601 North Monroe Street, Spokane, Washington, 99205.**

Any interested party may comment on the draft permit or request a public hearing on this draft permit within the 30 day comment period to the address above. The request for a hearing shall indicate the interest of the party and reasons why the hearing is warranted. Ecology will hold a hearing if it determines there is a significant public interest in the draft permit (WAC 173-216-100). Public notice regarding any hearing will be circulated at least 30 days in advance of the hearing. People expressing an interest in this permit will be mailed an individual notice of hearing.

Comments should reference specific text followed by proposed modification or concern when possible. Comments may address technical issues, accuracy and completeness of information, the scope of the facility's proposed coverage, adequacy of environmental protection, permit conditions, or any other concern that would result from issuance of this permit.

Ecology will consider all comments received within 30 days from the date of public notice of draft indicated above, in formulating a final determination to issue, revise, or deny the permit. Ecology's response to all significant comments is available upon request and will be mailed directly to people expressing an interest in this permit.

For more information, call Ecology's Eastern Regional Office at (509) 329-3400

### Appendix B - Your Right to Appeal

You have a right to appeal this permit to the Pollution Control Hearing Board (PCHB) within 30 days of the date of receipt of the final permit. **You may only file an appeal on the modified portions of the permit.** 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) (see glossary).

To appeal you must do the following within 30 days of the date of receipt of this permit:

- File your appeal and a copy of this permit 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 permit on Ecology in paper form - by mail or in person. (See addresses below).

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

\*Effective February 17, 2015, you can file by e-mail at the following address provided you follow-up with required hard copies postmarked the same day they are e-mailed (See WAC 371-08-305(6) and 335(3)); [PCHB-SHBappeals@elaho.wa.gov](mailto:PCHB-SHBappeals@elaho.wa.gov).

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### **Appendix C - Response to Comments**

Ecology did not receive comments on the draft modified permit following the 30-day public comment period.