

State of Washington Department of Ecology

WASTEWATER TREATMENT PLANT COMPLIANCE INSPECTION REPORT

Northwest Regional Office
3190160th Ave SE
Bellevue, WA 98008
(425) 649-7000 ph
(425) 649-7098 fax
(last update 6-11-07)

Section A: General Information

Report Version <input checked="" type="checkbox"/> New <input type="checkbox"/> Changed <input type="checkbox"/> Delete	PERMIT # WA-002249-7	mo/day/yr 09/23/08	Inspection Type <u>C</u>	Inspector Code <u>S</u>	Facility Type <input checked="" type="checkbox"/> 1 Municipal <input type="checkbox"/> Public <input type="checkbox"/> Private
Remarks					
Inspection work days <u>1.0</u>	Facility Self-Monitoring <u>5</u>	Photos Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Samples Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	BI <u>N</u>	QA <u>N</u>
Lead Ecology Inspector(s) Laura Fricke					

Section B: Facility Data

Name, Location, and Phone of Facility Inspected City of Marysville WWTP 80 Columbia Avenue Marysville, WA 98270 360-363-3125	Entry Time 11:00 AM	Permit Effective Date 07/01/05
Name(s)/Title(s) of On-Site Representative(s) Doug Hyde Wastewater Supervisor	Exit Time 12:30 PM	Permit Expiration Date 06/30/10
Name, Address, Title, Phone, and Fax Number of Responsible Official Dennis Kendall, Mayor 1049 State Avenue, Marysville, WA 98270	Ecology Staff On-Site Laura Fricke	
Phone Number 360-363-8000 Fax 360-651-5033 Contacted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Other Facility Data	

Section C: Areas Evaluated During Inspection (Check only those areas evaluated)

<input checked="" type="checkbox"/> Permit	<input checked="" type="checkbox"/> Flow Measurement	<input checked="" type="checkbox"/> Operations & Maintenance	<input type="checkbox"/> CSO/SSO (Sewer Overflow)
<input checked="" type="checkbox"/> Records/Reports	<input checked="" type="checkbox"/> Effluent <input type="checkbox"/> Receiving Water	<input checked="" type="checkbox"/> Sludge Handling/Disposal	<input type="checkbox"/> Pollution Prevention
<input checked="" type="checkbox"/> Facility Site Review	<input type="checkbox"/> Compliance Schedules	<input type="checkbox"/> Pretreatment	<input type="checkbox"/> Multimedia
<input checked="" type="checkbox"/> Self-Monitoring Program	<input type="checkbox"/> Laboratory	<input type="checkbox"/> Storm Water	<input type="checkbox"/> Other

Section D: Summary of Findings/Comments

I. INTRODUCTION

I conducted a Class 1 inspection at the City Marysville Wastewater Treatment Plant on September 23, 2008. Doug Hyde, the treatment plant supervisor, assisted with the inspection.

This facility is regulated by NPDES permit WA-002249-7, issued July 1, 2005 and expiring June 30, 2010. The last Ecology compliance inspection with a report on file was a sampling inspection on February 5, 2002. Digital photographs from a plant visit on April 7, 2005 are in the file but there is no written inspection report.

The treatment plant is operating well below its design flow of 12.7 MGD. No DMR violations have been recorded during the past two years.

II. RESULTS AND DISCUSSION

Liquid Stream: The treatment process includes screw-type influent pumps, mechanical bar screens, six aerated treatment cells with 9 aerators in each, four oxidation ponds, sand filters, and UV disinfection. During the months of July through October, effluent is pumped to the city of Everett's treatment plant effluent pump station and discharged into Port Gardner Bay. Chlorine is added to the effluent that is sent through Everett. From November through June, effluent is discharged into Steamboat Slough. Alum addition and sand filtration are used for all effluent year-round.

Three staff members work on pretreatment. Significant industrial dischargers include Quilceda Tanning and National Foods. The City has an active grease control program.

Solids Stream: Marysville staff recently measured sludge depth in the lagoons. Solids removal from the lagoons is next planned for 2011.

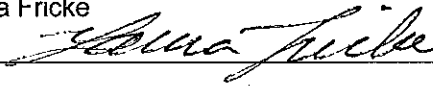
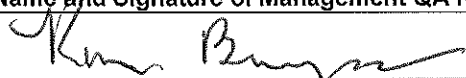
Flow Measurement: Influent flow is measured with a transducer and Parshall flume; effluent flow is measured with mag meters. The vendor does annual calibrations.

Sampling: The temperature of the influent sampler was about 3°C; composite samples are taken at 1 hour intervals. Laboratory accreditation is current.

Staffing: Marysville has two Group 3 operators, 1 Group 2, and 1 Group 1.

III. CONCLUSION

In general, the treatment plant appears to be well operated and maintained. Ecology is planning a Class 2 (sampling) inspection within the next year.

Name(s) and Signatures of Inspector(s)	Agency/Office/Telephone	Date
Laura Fricke 	WA Dept. of Ecology, NWRO, (425)649-7062	10/22/08
	WA Dept. of Ecology, NWRO, (425)649-	
Name and Signature of Management QA Reviewer	Agency/Office/Telephone	Date
	WA Dept. of Ecology, NWRO, (425)649- 7207	10/29/08

ANNOUNCED Inspection

INSTRUCTIONS

Section A: General Information

Report Version: N for 1st version, C for Changed or amended, or D for Delete

NPDES Permit No.: Enter the facility's NPDES or State permit number.

Inspection Date: Insert the date entry was made into the facility. Use the month/day/year format (e.g., 06/30/04 = June 30, 2004).

Inspection Type: Use one of the codes listed below to describe the type of inspection:

A Performance Audit	L Enforcement Case Support	2 IU Sampling Inspection
B Compliance Biomonitoring	M Multimedia	3 IU Non-Sampling Inspection
C Compliance Evaluation (non-sampling)	P Pretreatment Compliance Inspection	4 IU Toxics Inspection
D Diagnostic	R Reconnaissance	5 IU Sampling Inspection with Pretreatment
E Corps of Engineers Inspection	S Compliance Sampling	6 IU Non-Sampling Inspection with pretreatment
F Pretreatment Follow-up	U IU Inspection with Pretreatment Audit	7 IU Toxics with Pretreatment
G Pretreatment Audit	X Toxics Inspection	
I Industrial User (IU) Inspection	Z Sludge	

Inspector Code: Use one of the codes listed below to describe the *lead agency* in the inspection:

C - Contractor or Other Inspectors (Specify in Remarks Columns)	N - NEIC Inspectors
E - Corps of Engineers	R - EPA Regional Inspector
J - Joint EPA/State Inspectors - EPA Lead	S - State Inspector
	T - Joint State/EPA Inspectors - State Lead

Facility Type: Use one of the choices below to describe the facility.

- 1 - Municipal. Publicly Owned Treatment Works (POTWs) with 1987 Standard Industrial Code (SIC) 4952.
- 2 - Industrial. Other than municipal, agricultural, and Federal facilities.
- 3 - Agricultural. Facilities classified with 1987 SIC 0111 to 0971.
- 4 - Federal. Facilities identified as Federal by the EPA Regional Office

Remarks: These columns are reserved for remarks.

Inspection Work Days.: Estimate the total work effort (to the nearest 0.1 work day), up to 99.9 days, that were used to complete the inspection. This estimate includes the accumulative effort of all participating inspectors; any effort for laboratory analyses, testing, travel time and preparation time. This estimate does not require detailed documentation.

Facility Evaluation Rating: Use information gathered during the inspection (regardless of inspection type) to evaluate the quality of the facility self-monitoring program. Grade the program using a scale of 1 to 5 with a score of 5 being used for very reliable self-monitoring programs, 3 being satisfactory, and 1 being used for very unreliable programs.

Biomonitoring Information. Enter D for static testing. Enter F for flow through testing. Enter N for no biomonitoring.

Quality Assurance Data Inspection. Enter Q if the inspection was conducted as follow-up on quality assurance sample results. Enter N otherwise.

Photos Taken: Yes or No

Samples Taken: Yes or No

Lead Ecology Inspector: Enter lead inspector's name

Section B: Facility Data

This section is self-explanatory except for: "Other Facility Data," which may include new information not in the permit or PCS (e.g., new outfalls, names of receiving waters, new ownership, and other updates to the record), e-mail addresses...; and "Ecology Staff On-Site", which may include staff names, titles, phone numbers, or e-mail addresses.

Section C: Areas Evaluated During Inspection

Check only those areas evaluated by marking the appropriate box. Use Section D and additional sheets as necessary.

Section D: Summary of Findings/Comments

Support the findings, as necessary, in a narrative report. Use the headings given on the report form (staffing, back-up power) as appropriate. Reference a list of attachments, such as completed checklists, photos, lab reports, etc. Use extra sheets as necessary.

LINKS AND INFORMATION:

"Informational Manual for Treatment Plant Operators"; February 2004; by the Department of Ecology
Publication Number 04-10-020:

<http://www.ecy.wa.gov/pubs/0410020.pdf>

The manual was prepared to help wastewater treatment plant operators complete and submit their Discharge Monitoring Reports (DMRs) and other annual reports to the Department of Ecology. The manual is available in hard copy. To request a copy, contact the Department of Ecology, Publications Distribution Center at P.O. Box 47600, Olympia, WA 98504-7600 or by Telephone: (360) 407-7472. Updates to the manual are included on the website version.

Ecology's Wastewater and Reuse website:

<http://www.ecy.wa.gov/programs/wq/wastewater/index.html>

Ecology's Operator Certification website:

http://www.ecy.wa.gov/programs/wq/wastewater/op_cert/index.html

Ecology's Laboratory Accreditation website:

http://www.ecy.wa.gov/programs/eap/labs/labs_main.html

Ecology's Biosolids website:

<http://www.ecy.wa.gov/programs/swfa/biosolids/>

Ecology's Operator Outreach: Carl Jones (360) 407-6431; cjon461@ecy.wa.gov

Ecology's Municipal Compliance Specialist (Northwest Regional Office): Amy Jankowiak (425) 649-7195;

ajan461@ecy.wa.gov

Ecology's Wastewater Operator Certification Coordinator: Poppy Carre (360) 407-6449; 1-800-633-6193 (within the state)

poca461@ecy.wa.gov

Ecology's Biosolids Coordinator (Northwest Regional Office)" Marietta Sharp (425) 649-7258 mars461@ecy.wa.gov

Reporting Spills/Overflows/Upsets/Bypasses/Loss of Disinfection IMMEDIATELY:

Ecology's 24-hour number: (425) 649-7000 to report a spill

Department of Health – Shellfish Program 24-hour number: (360) 236-3330

PHOTO ADDENDUM —MARYSVILLE WWTP, PERMIT NO. WA-002249-7

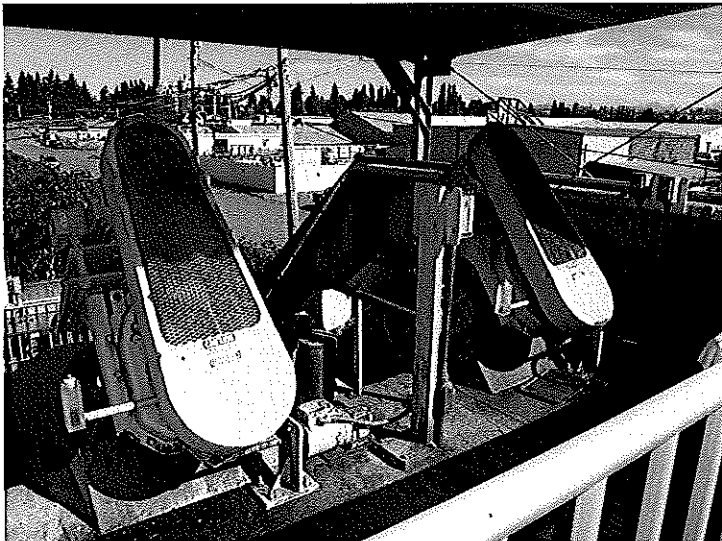


PHOTO #:01 DATE: 09/23/08 TAKEN BY: LAURA FRICKE
DESCRIPTION: INFLUENT PUMPS

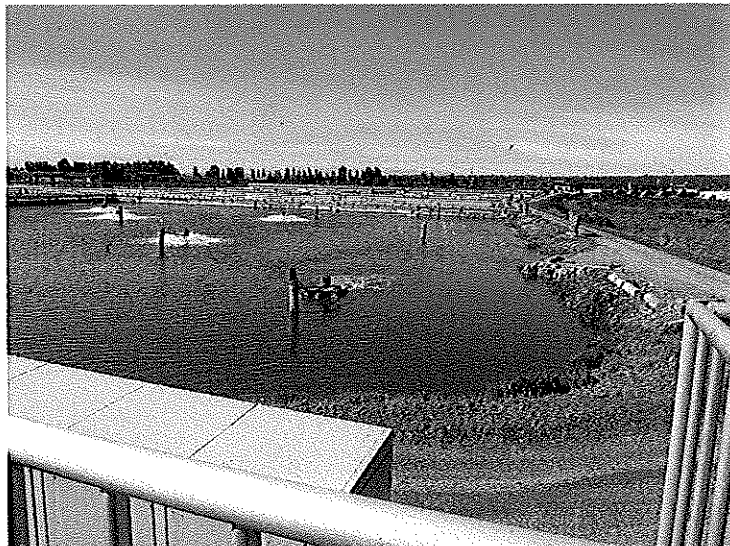


PHOTO #:02 DATE: 09/23/08 TAKEN BY: LAURA FRICKE
DESCRIPTION: AERATED LAGOON

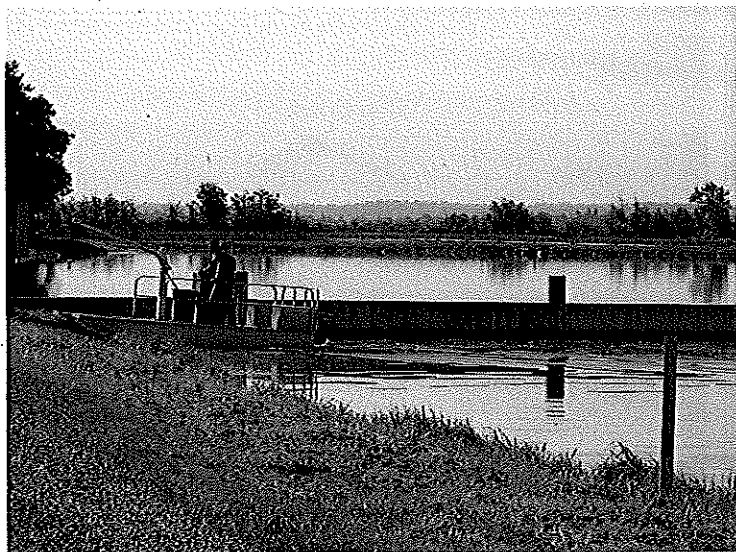


PHOTO #:03 DATE: 09/23/08 TAKEN BY: LAURA FRICKE
DESCRIPTION: MAINTENANCE BOAT



PHOTO #:04 DATE: 09/23/08 TAKEN BY: LAURA FRICKE
DESCRIPTION: FACULTATIVE LAGOON

Inspection Report

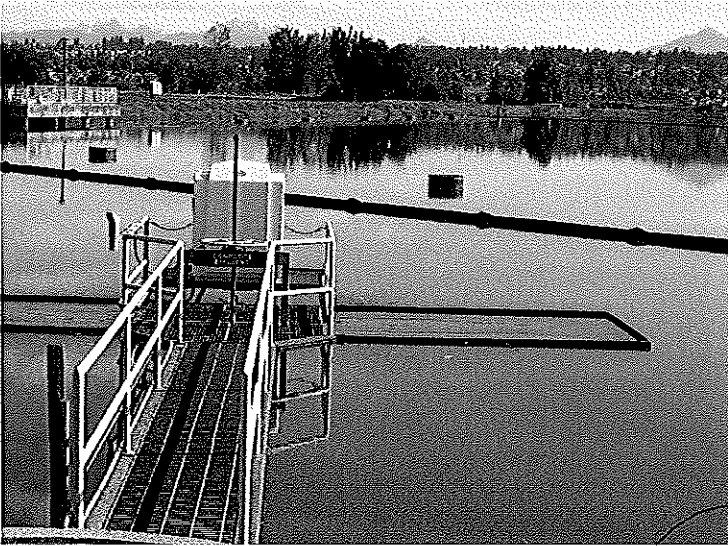


PHOTO #:05 DATE: 09/23/08 TAKEN BY: LAURA FRICKE
DESCRIPTION: LAGOON EFFLUENT SAMPLER



PHOTO #:06 DATE: 09/23/08 TAKEN BY: LAURA FRICKE
DESCRIPTION: SAND FILTER PUMPING



PHOTO #:07 DATE: 09/23/08 TAKEN BY: LAURA FRICKE
DESCRIPTION: VIEW INTO SAND FILTER



PHOTO #:08 DATE: 09/23/08 TAKEN BY: LAURA FRICKE
DESCRIPTION: UV FACILITIES & SODIUM HYPOCHLORITE TANK