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SECRETARY OF THE ARMY
WASHINGTON

FEB 01 2008

MEMORANDUM FOR ASSISTANT SECRETARY OF THE ARMY
(MANPOWER AND RESERVE AFFAIRS)

SUBJECT: Delegation of Authority Under Title 5, Sections 1213 (c) and (d)

In accordance with Title 10, United States Code, section 3013(f), I hereby delegate to you certain authority conferred upon me as agency head under Title 5, United States Code, section 1213. Specifically you are authorized to review, sign and submit written reports of investigations of information and related matters transmitted to the Department of the Army by The Special Counsel, in accordance with Title 5, United States Code, sections 1213(c) and (d). The authority delegated herein may not be further delegated.

This delegation shall remain in effect for three years from the date of its execution, unless earlier rescinded in writing by me.

A handwritten signature in black ink, appearing to read "Pete Geren", is positioned above the printed name.

Pete Geren

CF: General Counsel

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U.S. OFFICE OF SPECIAL COUNSEL

130 M Street, N.W., Suite 300
Washington, D.C. 20036-4505

May 24, 2007

The Special Counsel

The Honorable Pete Geren
Acting Secretary of the Army
101 Army Pentagon
Washington, DC 20310-0101Re: OSC File Nos. DI-07-1058 through DI-07-1070

Dear Mr. Geren:

Pursuant to my responsibilities as Special Counsel, I am referring to you a whistleblower disclosure from 12 present and former employees of the Department of the Army, Public Works, Fort Lewis, Washington. The whistleblowers allege that the Fort Lewis waste water treatment plant is discharging unacceptable quantities of oil and other contaminants into the waters of Puget Sound, in violation of laws and regulations and the plant's operating permit. As Puget Sound harbors a wide array of marine life, and large quantities of seafood are harvested from Puget Sound every year for human consumption, the whistleblowers maintain that the oil and other contaminants threaten the viability of the local ecosystem and pose a substantial and specific danger to public health and safety. The whistleblowers' allegations are described in greater detail in the attached Report of Disclosures.

The U.S. Office of Special Counsel (OSC) is authorized by law to receive disclosures of information from federal employees alleging violations of law, rule, or regulation, gross mismanagement, gross waste of funds, an abuse of authority, or a substantial and specific danger to public health or safety. 5 U.S.C. § 1213(a) and (b). As Special Counsel, if I find, on the basis of the information disclosed, that there is a substantial likelihood that one of these conditions exists, I am required to advise the appropriate agency head of my findings, and the agency head is required to conduct an investigation of the allegations and prepare a report. 5 U.S.C. § 1213(c) and (g).

As set forth in the attached Report of Disclosures, I have concluded that there is a substantial likelihood that the information the whistleblowers provided to OSC discloses violations of laws and regulations, gross mismanagement, and a substantial and specific danger to public health and safety. As previously stated, I am referring this information to you for an investigation of the whistleblowers' allegations and a report of your findings within 60 days of your receipt of this letter. By law, the report must be reviewed and signed by you personally. Should you delegate your authority to review and sign the report to the Inspector General, or any other official, the delegation must be specifically stated and must include the authority to take the actions necessary under 5 U.S.C. § 1213(d)(5). Without this information, I would hasten to add that the report may be found deficient. The requirements of the report are set forth at 5 U.S.C. § 1213(c) and (d). A summary of § 1213(d) is enclosed. As a matter of policy, OSC also

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The Special Counsel

The Honorable Pete Geren

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requires that your investigators interview the whistleblowers as part of the agency investigation whenever the whistleblowers consent to the disclosure of their names.

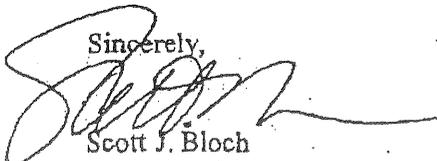
In the event it is not possible to report on the matter within the 60-day time limit under the statute, you may request in writing an extension of time not to exceed 60 days. Please be advised that an extension of time is normally not granted automatically, but only upon a showing of good cause. Accordingly, in the written request for an extension of time, please state specifically the reasons the additional time is needed. Any additional requests for an extension of time must be personally approved by me.

After making the determinations required by 5 U.S.C. § 1213(e)(2), copies of the report, along with any comments on the report from the person making the disclosure and any comments or recommendations by this office will be sent to the President and the appropriate oversight committees in the Senate and House of Representatives owing to the requirements set forth in 5 U.S.C. § 1213(e)(3).

Unless classified or prohibited from release by law or by Executive Order requiring that the information be kept secret in the interest of national defense or the conduct of foreign affairs, a copy of the report and any comments will be placed in a public file in accordance with 5 U.S.C. § 1219(a).

Please refer to our file number in any correspondence on this matter. If you need further information, please contact Catherine A. McMullen, Chief, Disclosure Unit, at (202) 254-3604. I am also available for any questions you may have.

Sincerely,



Scott J. Bloch

Enclosures



U.S. OFFICE OF SPECIAL COUNSEL

1730 M Street, N.W., Suite 218
Washington, D.C. 20036-4505
202-254-3600

**REPORT OF DISCLOSURES REFERRED FOR INVESTIGATION
OSC FILE NOS. DI-07-1058 through DI-07-1070**

I. SUMMARY

Twelve present and former employees of the Department of the Army, Public Works, Fort Lewis, Washington, disclosed to OSC violations of laws and regulations, gross mismanagement, and a substantial and specific danger to public health and safety. Specifically, the whistleblowers allege that the Fort Lewis waste water treatment plant is discharging unacceptable quantities of oil and other contaminants into the waters of Puget Sound, in violation of laws and regulations and the plant's operating permit, and thereby creating a substantial and specific danger to public health and safety. They also allege that management fails to conduct proper testing of the water treated at the plant, fails to properly maintain and replace the plant's equipment, and does not take adequate measures to protect employees against occupational health and safety risks.

II. THE INFORMATION DISCLOSED

The 12 present and former employees, who have consented to the release of their names, are (1) [REDACTED], Biological Science Lab Technician (who has worked at Fort Lewis for 10 years), (2) [REDACTED], Utility Systems Repairer/Operator (30 years), (3) [REDACTED], Utility Systems Repairer/Operator (22 years), (4) [REDACTED], Secretary, Fire Department (1 year), (5) [REDACTED], Waste Water Treatment Plant Repairer/Operator (7 years), (6) [REDACTED], Plumber, Water and Sewer (19 years), (7) [REDACTED], former Utility Systems Repairer/Operator (retired; worked 30 years), (8) [REDACTED], former Exterior Plumber (retired; worked 37 years), (9) [REDACTED], Exterior Plumber (26 years), (10) David Colby, former Plumber (retired; worked 25 years), (11) [REDACTED], Purchasing Agent (18 years), (12) Robert Predmore, former Plumber (retired; worked 25 years).¹ [REDACTED] and [REDACTED] possess a state certification level III for waste water treatment plant operation, and [REDACTED], [REDACTED], and [REDACTED] are certified at level II.

A. Unlawful Discharge of Contaminants

The whistleblowers allege that, since May of 2006, the Fort Lewis waste water treatment plant has been discharging unacceptable quantities of oil and other contaminants into the waters of Puget Sound, in violation of the Clean Water Act, 33 U.S.C. § 1251 *et seq.*, and the plant's

¹ In order to arrange interviews with the individuals who have retired from federal service, please contact their attorney Joan Mell at Miller, Quinlan, & Auter, 1019 Regents Blvd., Suite 204, Fircrest, Washington 98466; telephone number (253)565-5019, fax number (253)564-5007.

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National Pollutant Discharge Elimination System (NPDES) permit. According to the whistleblowers, the plant releases up to 55 pounds of oil into the waters of the Puget Sound every day. The Clean Water Act prohibits discharging oil or hazardous substances into navigable waters at quantities "the discharge of which may be harmful to the public health or welfare or the environment of the United States, including but not limited to fish, shellfish, wildlife, and public and private property, shorelines and beaches." See 33 U.S.C. § 1321(b)(4). According to 40 CFR § 110.3, discharges of oil that the Environmental Protection Agency (EPA) has determined to be "harmful to the public health or welfare or the environment" include those that violate applicable water quality standards or those that "cause a film or sheen upon or discoloration of the surface of the water or adjoining shorelines . . ." The whistleblowers state that lab tests have repeatedly demonstrated that the levels of oil and other contaminants in the effluent² water exceed the limits established by the plant's NPDES permit, and they also assert that they have frequently observed an oily sheen on the effluent water.

The whistleblowers advise that the presence of excess oil in the water clogs the machinery, and thereby renders the plant less efficient and decreases its ability to successfully remove other contaminants from the water, such as salmonella, E. coli, and other strains of bacteria, fungi, and other pathogens. They further explain that the oil and other contaminants that are released from the plant have a detrimental impact upon the entire ecosystem of Puget Sound. Puget Sound harbors a wide array of marine life, including salmon, shellfish, seabirds, and sea otters, the viability of which is threatened by pollutants from the waste water treatment plant. The pollutants from the plant also affect the safety of the human food supply, as large quantities of seafood are harvested from Puget Sound for human consumption.

The whistleblowers also allege that excessive amounts of oil have accumulated in the plant's sludge, i.e. the biosolids that settle out of the influent water. They explain that, after settling, the sludge remains in the plant's digesters, where it is treated and broken down by microorganisms. After being treated in the digesters for several months, the sludge is then stored in the plant's drying beds, until it is eventually removed to be used as fertilizer throughout the base. According to the whistleblowers, government contractor Alkai, who was retained to transfer sludge from the digesters to the drying beds, tested the sludge and reported that the oil content was extremely high, at approximately two percent. The whistleblowers explain that, when the sludge contains a high oil content, the oil is continuously re-circulated throughout the plant, as influent water passes through the digesters. Moreover, the whistleblowers advise that the sludge is used as fertilizer throughout Fort Lewis; therefore, the presence of high levels of oil in the sludge poses a danger to public health, as the sludge is used to fertilize vegetable gardens and lawns where children play.

The whistleblowers attribute the high levels of oil present in the effluent water and the sludge to multiple factors. First, they explain that numerous sites on the base, such as the motor pools and lift stations, are not properly disposing of oil, diesel fuel, and jet petroleum products. Consequently, the discarded oil products drain into the sewer system where they join the

² "Effluent" refers to the water that the waste water treatment plant releases into Puget Sound after it has been treated.

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influent³ waste that enters the waste water treatment plant.⁴ Next, the whistleblowers advise that, pursuant to 40 C.F.R. Part 403 and Washington State's Dangerous Waste Regulations Chapter 173-303 WAC, the plant is supposed to have a pre-treatment facility in place for removing oil from the influent before it reaches the plant; however, the plant currently does not pre-treat the influent water. They further maintain that the type of oil the waste water treatment plant purchases to lubricate the digester gas compressors emulsifies easily, thereby clogging the system. The operators have repeatedly asked management to procure a non-emulsifying oil for the compressors in order to minimize contamination; however, management has refused to do so. The whistleblowers also state that the oil/water separators at the plant are not maintained properly, and, as a result, the separators are unable to adequately remove oil from the influent water. In addition, the whistleblowers assert that they repeatedly asked management to purchase polymers to help break down the oil; however, management refused to purchase them.

B. Failure to Maintain Equipment

Next, the whistleblowers state that the plant's inability to adequately process the incoming oil is caused in part by the fact that the plant's equipment is old and in poor condition. The whistleblowers contend that much of the equipment at the plant should be replaced, including the primary sludge pumps, the effluent pumps, the nonpotable pumps, the chlorination pumps, the headworks screens, and the grit collector. In addition, the operators maintain that they do not have many of the tools necessary for repairing and maintaining the plant's equipment, including wrenches and chain saws. On numerous occasions, they asked [REDACTED] to procure necessary maintenance tools, yet he refused to do so. The whistleblowers further assert that [REDACTED] also refuses to procure replacement parts for pumps and other equipment, and, as a result, the plant currently does not have any replacement parts in stock.

The whistleblowers further advise that the situation worsens during the winter rainy season, when the waste water treatment plant is overburdened by incoming rainwater. According to the whistleblowers, as a Class II facility, the waste water treatment plant is only authorized to treat up to 7.6 million gallons of water per day. Nevertheless, the whistleblowers report that, last winter, the plant frequently exceeded its flow capacity, especially on days when it rained. For example, they report that, on or about January 9, 2007, the plant recorded a flow level of 11 million gallons. The whistleblowers attribute the problem to the fact that the base's rainwater collection system is old, and, consequently, much of the rainwater leaks into the sewer system and becomes part of the influent water treated by the plant. The whistleblowers explain that, when the permissible flow level is exceeded, biosolids do not have sufficient time to settle properly. Consequently, a significant quantity of biosolid waste ends up in the effluent water that is released into Puget Sound.

³ "Influent" refers to the waste water, containing raw sewage and other contaminants, that flows into the plant for treatment.

⁴ In order to remedy this particular problem, the whistleblowers recommend that the base institute an oil recycling program and educate its employees on the proper methods for collecting and disposing of oil.

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C. Failure to Properly Test and Monitor Water

The whistleblowers state that the foregoing problems are compounded by the fact that the plant managers do not conduct mandatory testing of the water at the plant and are not properly recording test results. They maintain that regular testing and reporting of test results would facilitate remediation of the situation. [REDACTED] advises that, among other routine tests, the plant's NPDES permit requires the plant to test the level of oil and grease in the effluent every six months, and whenever an operator requests additional testing. The operators assert that they frequently request additional testing, yet management refuses to comply with these requests. The plant's NPDES permit also requires the plant to record the levels of any toxic pollutant found in the water or in the biosolid sludge on the monthly Discharge Monitoring Report (DMR), which is submitted to the EPA, yet the whistleblowers allege that this is not occurring. Lastly, when the Fort Lewis Environmental Department conducts lab tests, it fails to report the test results to the operators or the lab technician, even though the operators and lab technician have specifically requested the information on multiple occasions. The whistleblowers state that the NPDES permit requires that test results be reported to the operators, to enable the operators to make necessary adjustments in treatment, such as determining the correct amount of chemicals to add to the water.

D. Gross Mismanagement by Plant Supervisor

In addition, the whistleblowers allege that [REDACTED] is not qualified to be plant supervisor. Pursuant to State of Washington credentialing requirements, the waste water treatment plant is classified as a grade II plant; therefore, the plant supervisor is required to possess a level III certification. According to the whistleblowers, [REDACTED] only possesses a level II certification.

The whistleblowers report that [REDACTED] frequently requires operators to abandon the waste water treatment plant in order to perform work at other locations on the base. As a result, the plant is often left unattended. For example, [REDACTED] alleges that, at 9:00 pm on March 24, 2007, Mr. Long instructed him to leave the plant in order to clean a sewer elsewhere on base. Mr. Lieder states that he spent two hours cleaning the sewer, and then returned to the plant at 11:00 pm. Because [REDACTED] was the sole operator on duty at the plant that night, he states that the plant was left unmanned for two hours while he was away. Similarly, the whistleblowers allege that, on January 14 or 15, 2007, [REDACTED] left the plant to address a sewer backup problem. He instructed the sole operator assigned to the plant, [REDACTED] to accompany him, thereby leaving the plant unattended for three hours. The whistleblowers assert that this practice violates the waste water treatment plant's permit and jeopardizes public health and safety, as there should always be an operator present in the event that the plant malfunctions or breaks down or another emergency situation arises.

E. Occupational Safety and Health Hazards

According to the whistleblowers, [REDACTED] has repeatedly exhibited a flagrant disregard for employee safety, and has jeopardized the safety of employees on numerous occasions. For

Page 5

example, [REDACTED] frequently assigns the plant staff to perform dangerous work at the outfalls; however, he has not provided them with critical confined space entry training. They also contend that [REDACTED] often fails to notify plant employees when contractors perform maintenance work on gas lines. It is critical that employees be informed whenever flammable gas is present in the building, so that they will refrain from using welding tools or performing other types of work that could create sparks to ignite the gas and cause an explosion. [REDACTED] also fails to hold monthly safety meetings, in violation of Occupational Safety and Health Administration requirements and the plant's Standard Operating Procedures.

[REDACTED] further reported that, since 2005, the lid on digester number two has been cracked, allowing toxic sewer gas to continually leak from the digester. He advised that an exhaust fan then blows the gas into the gas compressor room, where the operators are exposed to the gas. [REDACTED] stated that operators enter the gas compressor room at least twice a day to perform maintenance, and they generally stay in the room at least five or ten minutes each time. The whistleblowers report that, as a result of inhaling the gas, they often experience dizziness, headaches, and lightheadedness, and they believe that long-term exposure to the gas may potentially cause permanent damage to the nervous system.

Finally, the whistleblowers state that they have repeatedly reported the aforementioned problems and violations to [REDACTED] and his supervisor [REDACTED], Project Manager; however, neither [REDACTED] nor [REDACTED] have taken adequate corrective action.

Copies of documents submitted by the whistleblowers in support of their allegations are enclosed.

III. THE SPECIAL COUNSEL'S FINDINGS

Given the whistleblowers' apparent expertise regarding the matters they have disclosed, the detail they have provided, and their first-hand knowledge of many of the incidents they have described, I have concluded that there is a substantial likelihood that the information the whistleblowers provided to OSC discloses violations of laws and regulations, gross mismanagement, and a substantial and specific danger to public health and safety.

United States Environmental Protection Agency
Region 10
1200 Sixth Avenue
Seattle, Washington 98101

**AUTHORIZATION TO DISCHARGE
UNDER THE
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM**

In compliance with the provisions of the Clean Water Act,
33 U.S.C. §1251 et seq., as amended by the Water Quality Act of 1987,
(the "Act"),

CS,

Department of Defense
the Army
Fort Lewis Base
Phone 98433-5000

is authorized
named Pu

*Upper copy
FOSC docs 4/18/04
transmitted
to 447*

located at Fort Lewis to receiving waters

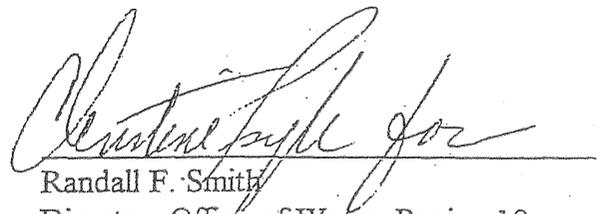
Lat _____
Longitude 122° 38' 17"

in accordance with discharge point(s), effluent limitations, monitoring requirements and other conditions set forth herein.

This permit shall become effective on February 1, 2004

This permit and the authorization to discharge shall expire at midnight, February 1, 2009

Signed this 30 day of December 2003



Randall F. Smith
Director, Office of Water, Region 10
U.S. Environmental Protection Agency

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I. EFFLUENT LIMITATIONS

A. During the effective period of this permit, the Permittee is authorized to discharge an average monthly flow of 7.6 mgd in accordance to the restrictions set forth herein. This permit does not authorize the discharge of any waste streams, including spills and other unintentional or non-routine discharges of pollutants, that the Permittee did not apply to discharge and that are not part of the normal operation of the facility as disclosed in the permit application, or any pollutants that are not ordinarily present in such waste streams, unless the Permittee receives prior authorization from EPA.

B. The Permittee must limit and monitor discharges as specified in Section C below. All figures represent maximum effluent limits unless otherwise indicated. The Permittee must comply with the following effluent limits at all times unless otherwise indicated regardless of the frequency of monitoring or reporting required by other provisions of this permit.

C. Effluent Limitations

1. Fort Lewis Water Pollution Control Plant (Discharge 001) During the period beginning on the effective date of this permit and lasting through the expiration date, discharges from the Fort Lewis Water Pollution Control Plant shall be limited and monitored by the permittee as specified below.

- a. The pH shall not be less than 6.0 nor greater than 8.5 standard units
- b. There shall be no discharge of floating solids, visible foam in other than trace amounts, or oily wastes which produce a sheen on the surface of the receiving water.
- c. The following limitations shall apply:

Benicar
 (olmesartan medoxomil)

BenicarHCT
 (olmesartan medoxomil - hydrochlorothiazide)

*no boat
 no SOP for
 observation - no test
 a base - AT - below
 discharge point - no skew
 if feminized*

Measure	Average Monthly	Average Weekly	Daily Maximum
	30	45	---
	1902	2852	---
	30	45	---
	1902	2852	---
ml	200	400	---
	---	---	0.5

Please see full prescribing information

- * Monthly average BOD₅ and TSS effluent concentrations shall not exceed 30 mg/l or 20% of the influent concentrations, whichever is more stringent.
- ** Report as the geometric mean of all samples collected during the weekly and monthly reporting periods. The average monthly fecal coliform count must not exceed a geometric mean of 200 col./100 ml. The average weekly fecal coliform count must not exceed a geometric mean of 400 col./100 ml.

II. MONITORING, RECORDING AND REPORTING REQUIREMENTS

A. Monitoring Requirements

1. The Permittee shall monitor the final effluent as specified below, subject to the other monitoring and reporting requirements set forth in this permit.

Effluent Characteristics	Units of Measure	Sample Frequency	Sample Type
Total Flow	MGD	Continuous	Recording
Biochemical Oxygen Demand (5 day)*	mg/l	Daily Composite	24-Hour
Total Suspended Solids	mg/l	Daily Composite	24-Hour
Fecal Coliform Bacteria	Number/100 ml	Daily	Grab
Total Residual Chlorine	mg/l	Daily	Grab
pH	Standard Units	Daily	Grab
Total Copper	mg/l	Semi-Annual	Grab
Total Nickel	mg/l	Semi-Annual	Grab
Total Chromium	mg/l	Semi-Annual	Grab
Total Lead	mg/l	Semi-Annual	Grab
Total Mercury	mg/l	Semi-Annual	Grab
Total Molybdenum	mg/l	Semi-Annual	Grab
Total Selenium	mg/l	Semi-Annual	Grab
Total Zinc	mg/l	Semi-Annual	Grab
Total Nitrogen **	mg/l	Semi-Annual	Grab
Total Petroleum Hydrocarbon ***	mg/l	Semi-Annual	Grab

- * Representative daily influent and effluent monitoring for BOD₅ and TSS is required to demonstrate % removal efficiencies. Monthly average percent removal for BOD₅ and SS shall be reported on monthly discharge monitoring reports.
- ** Nitrogen analyses shall determine and report total Kjeldahl nitrogen, ammonia as N, nitrate and nitrite nitrogen.
- *** Two samples for total petroleum hydrocarbon (TPH) analyses are to be collected during the wet season (October - March) and analyzed using the Hydrocarbon Identification Method for Soil and Water. This analysis is required to determine if TPH is present in the effluent at levels of concern and only required during the first year of the permit. Results of this monitoring is to be submitted to EPA with the annual Inflow and Infiltration report (condition S.J.D.3.c.)

B. Dilution Zone

1. The boundaries of the dilution zone are defined as follows:
 - The limits in depth are one foot below the surface to one foot above the bottom.
 - The length, on either side of the diffuser, is 300 feet.
 - The width shall be 230 feet.
 - The zone of acute criteria exceedence shall be one tenth (1/10) the distance to the boundaries of the overall dilution zone.
2. Outfall evaluation

Within two years of permit issuance the permittee shall conduct an underwater evaluation of the submerged portion of the outfall pipe and diffusers to verify the structural integrity and functioning of this equipment. The permittee will provide a written report of the results of this evaluation to EPA with the next application for permit renewal. Immediate notification will be provided to EPA if the evaluation determines the outfall or diffuser structure is broken, leaking or not functioning properly.

C. Toxicity Testing Requirements

1. Acute Toxicity Testing Requirements

The Permittee shall test final effluent once in the last summer and once in the last winter prior to submission of the application for permit renewal. The two species listed below shall be used on each sample and the results submitted to the Department as a part of the permit renewal application process. The Permittee shall conduct acute toxicity testing on a series of five concentrations of effluent

and a control in order to be able to determine appropriate point estimates and an NOEC. The percent survival in 100% effluent shall also be reported.

Acute toxicity tests shall be conducted with the following species and protocols:

- a. Fathead minnow, *Pimephales promelas* (96 hour static-renewal test, method: EPA/600/4-90/027F)
- b. Daphnid, *Ceriodaphnia dubia*, *Daphnia pulex*, or *Daphnia magna* (48 hour static test, method: EPA/600/4-90/027F).

2. Acute Toxicity Testing Procedures and Reporting Requirements

- a. All reports for effluent characterization or compliance monitoring shall be submitted in accordance with the most recent version of Department of Ecology Publication # WQ-R-95-80, *Laboratory Guidance and Whole Effluent Toxicity Test Review Criteria* in regards to format and content. Reports shall contain bench sheets and reference toxicant results for test methods. If the lab provides the toxicity test data on floppy disk for electronic entry into the Department's database, then the Permittee shall send the disk to the Department along with the test report, bench sheets, and reference toxicant results.
- b. Testing shall be conducted on 24-hour composite effluent samples. Samples taken for toxicity testing shall be cooled to 4 degrees Celsius while being collected and shall be sent to the lab immediately upon completion. The lab shall begin the toxicity testing as soon as possible but no later than 36 hours after sampling was ended.
- c. All samples and test solutions for toxicity testing shall have water quality measurements as specified in Department of Ecology Publication # WQ-R-95-80, *Laboratory Guidance and Whole Effluent Toxicity Test Review Criteria* or most recent version thereof.
- d. All toxicity tests shall meet quality assurance criteria and test conditions in the most recent versions of the EPA manual listed in subsection A. and the Department of Ecology Publication # WQ-R-95-80, *Laboratory Guidance and Whole Effluent Toxicity Test Review Criteria*. If test results are determined to be invalid or anomalous by the Department, testing shall be repeated with freshly collected effluent.
- e. Control water and dilution water shall be laboratory water meeting the requirements of the EPA manual listed in subsection A or pristine natural water of sufficient quality for good control performance.
- f. Effluent samples for whole effluent toxicity testing shall be collected just prior to the chlorination step in the treatment process.
- g. The Permittee may choose to conduct a full dilution series test during

compliance monitoring in order to determine dose response. In this case, the series must have a minimum of five effluent concentrations and a control. The series of concentrations must include the ACEC.

- h. All whole effluent toxicity tests, effluent screening tests, and rapid screening tests that involve hypothesis testing and do not comply with the acute statistical power standard of 29% as defined in WAC 173-205-020 must be repeated on a fresh sample with an increased number of replicates to increase the power.

3. Chronic Toxicity Testing Requirements

The Permittee shall test final effluent once in the last summer and once in the last winter prior to submission of the application for permit renewal. All of the chronic toxicity tests listed below shall be conducted on each sample. The results of this chronic toxicity testing shall be submitted to the Department as a part of the permit renewal application process.

The Permittee shall conduct chronic toxicity testing on a series of at least five concentrations of effluent and a control in order to be able to determine appropriate point estimates and an NOEC. This series of dilutions shall include the acute critical effluent concentration (ACEC). The ACEC equals 0.57 % effluent. The Permittee shall compare the ACEC to the control using hypothesis testing at the 0.05 level of significance as described in Appendix H, EPA/600/4-89/001.

Chronic toxicity tests shall be conducted with the following species and the most recent version of the following protocols:

Saltwater Chronic Toxicity Test Species		Method
Topsmelt or Silverside minnow	<i>Atherinops affinis</i> or <i>Menidia beryllina</i>	EPA/600/R-95/136 or EPA/600/4-91/003
Mysid shrimp	<i>Holmesimysis costata</i> or <i>Mysidopsis bahia</i>	EPA/600/R-95/136 or EPA/600/4-91/003

The Permittee shall use the West Coast fish (topsmelt, *Atherinops affinis*) and mysid (*Holmesimysis costata*) for toxicity testing unless the lab cannot obtain a sufficient quantity of a West Coast species in good condition in which case the East Coast fish (silverside minnow, *Menidia beryllina*) or mysid (*Mysidopsis bahia*) may be substituted.

4. Chronic Toxicity Testing Procedures and Reporting Requirements

- a. All reports for effluent characterization or compliance monitoring shall be submitted in accordance with the most recent version of Department of Ecology Publication # WQ-R-95-80, *Laboratory Guidance and Whole Effluent Toxicity Test Review Criteria* in regards to format and content. Reports shall contain bench sheets and reference toxicant results for test methods. If the lab provides the toxicity test data on floppy disk for electronic entry into the Department's database, then the Permittee shall send the disk to the Department along with the test report, bench sheets, and reference toxicant results.
- b. Testing shall be conducted on 24-hour composite effluent samples. Samples taken for toxicity testing shall be cooled to 4 degrees Celsius while being collected and shall be sent to the lab immediately upon completion. The lab shall begin the toxicity testing as soon as possible but no later than 36 hours after sampling was ended.
- c. All samples and test solutions for toxicity testing shall have water quality measurements as specified in Department of Ecology Publication # WQ-R-95-80, *Laboratory Guidance and Whole Effluent Toxicity Test Review Criteria* or most recent version thereof.
- d. All toxicity tests shall meet quality assurance criteria and test conditions in the most recent versions of the EPA manual listed in subsection A. and the Department of Ecology Publication # WQ-R-95-80, *Laboratory Guidance and Whole Effluent Toxicity Test Review Criteria*. If test results are determined to be invalid or anomalous by the Department, testing shall be repeated with freshly collected effluent.
- e. Control water and dilution water shall be laboratory water meeting the requirements of the EPA manual listed in subsection A or pristine natural water of sufficient quality for good control performance.
- f. Effluent samples for whole effluent toxicity testing shall be collected just prior to the chlorination step in the treatment process.
- g. The Permittee may choose to conduct a full dilution series test in order to determine dose response. In this case, the series must have a minimum of five effluent concentrations and a control. The series of concentrations must include the ACEC and the CCEC. The ACEC and CCEC may either substitute for the effluent concentration that is closest to it in the dilution series or be an extra effluent concentration.

- h. All whole effluent toxicity tests that involve hypothesis testing and do not comply with the chronic statistical power standard of 39% as defined in WAC 173-205-020 must be repeated on a fresh sample with an increased number of replicates to increase the power.

D. Infiltration and Inflow

1. Infiltration and Inflow Evaluation

- a. The Permittee shall conduct an infiltration and inflow evaluation. Plant monitoring records may be used to assess measurable infiltration and inflow.
- b. A report shall be prepared which summarizes any measurable infiltration and inflow. If infiltration and inflow have increased by more than 15 percent from baseline flows (established from average influent flow observed during equivalent rainfall events during the previous five years), the report shall contain a plan and a schedule for: (1) locating the sources of infiltration and inflow; and (2) correcting the problem.
- c. The report shall be submitted by June 15 annually for the I/I related control activities conducted since the previous annual report.

E. Representative Sampling (Routine and Non-routine Discharges)

The Permittee shall collect all effluent samples from the effluent stream prior to discharge into the receiving waters. Samples and measurements shall be representative of the volume and nature of the monitored discharge.

The Permittee shall collect additional samples at the appropriate sampling points and analyze them for the parameters limited in Part I. Table 1 of this permit, whenever any discharge occurs that may reasonably be expected to cause or contribute to a violation that is unlikely to be detected by a routine sample. The Permittee shall also conduct monitoring sufficient to characterize the nature and quantity of the pollutants discharged.

The Permittee shall collect such additional samples as soon as possible after the spill or discharge. The samples shall be analyzed in accordance with paragraph G., below. In the event of an anticipated bypass, as defined in Part V. of this permit, the Permittee shall collect and analyze additional samples as soon as the bypassed effluent reaches the outfall. The Permittee shall report all additional monitoring in accordance with paragraph H., below.

- F. **Reporting of Monitoring Results.** The Permittee shall summarize monitoring results each month on the Discharge Monitoring Report (DMR) form (EPA No. 3320-1). The Permittee shall submit reports monthly, postmarked by the 10th day of the following month. The Permittee shall sign and certify all DMRs, and all other reports, in accordance with the requirements of Part IV. of this permit ("Signatory Requirements"). The Permittee shall submit the legible originals of these documents to the Director, Office of Water at:

United States Environmental Protection Agency
Region 10
1200 Sixth Avenue, OW-133
Seattle, Washington 98101
Attn: PCS Data Entry Team

- G. **Monitoring Procedures.** Monitoring must be conducted according to test procedures approved under 40 CFR Part 136, unless other test procedures have been specified in this permit.

- H. **Additional Monitoring by Permittee** If the Permittee monitors any pollutant more frequently than required by this permit, using test procedures approved under 40 CFR Part 136 or as specified in this permit, the Permittee shall include the results of this monitoring in the calculation and reporting of the data submitted in the DMR. The Permittee shall indicate on the DMR whenever it has performed additional monitoring, and shall explain why it performed such monitoring.

Upon request by the Regional Administrator, the Permittee shall submit results of any other sampling, regardless of the test method used.

- I. **Records Contents** All effluent monitoring records shall bear the hand-written signature of the person who prepared them. In addition, all records of monitoring information shall include:

1. the date, exact place, and time of sampling or measurements;
2. the names of the individual(s) who performed the sampling or measurements;
3. the date(s) analyses were performed;
4. the names of the individual(s) who performed the analyses;
5. the analytical techniques or methods used; and

6. the results of such analyses.

J. Retention of Records The Permittee shall retain the a copy of this NPDES permit, and records of all monitoring information, including, but not limited to, all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least five years from the date of the sample, measurement, report or application, or for the term of this permit, whichever is longer. This period may be extended by request of the Regional Administrator.

K. Twenty-four Hour Notice of Noncompliance Reporting

1. The Permittee shall report the following occurrences of noncompliance by telephone within 24 hours from the time the Permittee becomes aware of the circumstances:
 - a. any noncompliance that may endanger health or the environment;
 - b. any unanticipated bypass that results in or contributes to an exceedence of any effluent limitation in the permit (See Part III.G., "Bypass of Treatment Facilities");
 - c. any upset that results in or contributes to an exceedence of any effluent limitation in the permit (See Part III.H., "Upset Conditions"); or
 - d. any violation of a maximum daily discharge limitation for any of the pollutants listed in the permit.
 - e. any overflow prior to the treatment works, whether or not such overflow endangers health or the environment or exceeds any effluent limitation in the permit.
2. The Permittee shall also provide a written submission within five days of the time that the Permittee becomes aware of any event required to be reported under subpart 1, above. The written submission shall contain:
 - a. a description of the noncompliance and its cause;
 - b. the period of noncompliance, including exact dates and times;
 - c. the estimated time noncompliance is expected to continue if it has not been corrected; and
 - d. steps taken or planned to reduce, eliminate, and prevent reoccurrence of the

noncompliance.

- e. if the non compliance involves an overflow prior to the treatment works, an estimate of the quantity (in gallons) of untreated overflow.
 3. The Regional Administrator may, at his or her sole discretion, waive the written report on a case-by-case basis if the oral report has been received within 24 hours within 24 hours by the NPDES Compliance Hotline in Seattle, Washington, by telephone, (206) 553-1846.
 4. Reports shall be submitted to the addresses in Part II.F. ("Reporting of Monitoring Results").
 5. Unauthorized discharges such as collection system overflows, plant bypasses, or failure of the disinfection system, shall be reported immediately to the Department of Health, Shellfish Protection Program. The 24-hour number for the Department of Health is (360) 753-5992
- L. Other Noncompliance Reporting** The Permittee shall report all instances of noncompliance, not required to be reported within 24 hours, at the time that monitoring reports for Part II.H. are submitted. The reports shall contain the information listed in Part II.K. of this permit.
- M. Changes in Discharge of Pollutants** The Permittee shall notify the Regional Administrator as soon as it knows of, or has reason to believe:
1. That any activity has occurred or will occur that would result in the discharge, on a routine or frequent basis, of any pollutant that is not limited in the permit, if that discharge may reasonably be expected to exceed any of the following "notification levels":
 - a. Five (5) times the maximum concentration value reported for that pollutant in the permit application in accordance with 40 CFR §122.21(g)(7); or
 - b. The level established by the Regional Administrator in accordance with 40 CFR §122.44(f).

III. COMPLIANCE RESPONSIBILITIES

A. Duty to Comply

The Permittee shall comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the Act and is grounds for enforcement action; for permit

termination, revocation and reissuance, or modification; or for denial of a permit renewal application. The Permittee shall give reasonable advance notice to the Regional Administrator of any planned changes in the permitted facility or activity that may result in noncompliance with permit requirements.

B. Penalties for Violations of Permit Conditions

1. **Civil and Administrative Penalties.** Pursuant to 40 CFR 19 and the Act, any person who violates section 301, 302, 306, 307, 308, 318 or 405 of the Act, or any permit condition or limitation implementing any such sections in a permit issued under section 402, or any requirement imposed in a pretreatment program approved under sections 402(a)(3) or 402(b)(8) of the Act, is subject to a civil penalty not to exceed the maximum amounts authorized by Section 309(d) of the Act and the Federal Civil Penalties Inflation Adjustment Act (28 U.S.C. § 2461 note) as amended by the Debt Collection Improvement Act (31 U.S.C. § 3701 note) (currently \$27,500 per day for each violation).
2. **Administrative Penalties.** Any person may be assessed an administrative penalty by the Administrator for violating section 301, 302, 306, 307, 308, 318 or 405 of this Act, or any permit condition or limitation implementing any of such sections in a permit issued under section 402 of this Act. Pursuant to 40 CFR 19 and the Act, administrative penalties for Class I violations are not to exceed the maximum amounts authorized by Section 309(g)(2)(A) of the Act and the Federal Civil Penalties Inflation Adjustment Act (28 U.S.C. § 2461 note) as amended by the Debt Collection Improvement Act (31 U.S.C. § 3701 note) (currently \$11,000 per violation, with the maximum amount of any Class I penalty assessed not to exceed \$27,500). Pursuant to 40 CFR 19 and the Act, penalties for Class II violations are not to exceed the maximum amounts authorized by Section 309(g)(2)(B) of the Act and the Federal Civil Penalties Inflation Adjustment Act (28 U.S.C. § 2461 note) as amended by the Debt Collection Improvement Act (31 U.S.C. § 3701 note) (currently \$11,000 per day for each day during which the violation continues, with the maximum amount of any Class II penalty not to exceed \$137,500).
3. **Criminal Penalties**
 - a. **Negligent Violations.** The Act provides that any person who negligently violates sections 301, 302, 306, 307, 308, 318, or 405 of the Act, or any condition or limitation implementing any of such sections in a permit issued under section 402 of the Act, or any requirement imposed in a pretreatment program approved under section 402(a)(3) or 402(b)(8) of the Act, is subject to criminal penalties of \$2,500 to \$25,000 per day of violation, or imprisonment of not more than 1 year, or both. In the case of a second or

subsequent conviction for a negligent violation, a person shall be subject to criminal penalties of not more than \$50,000 per day of violation, or by imprisonment of not more than 2 years, or both.

- b. **Knowing Violations.** Any person who knowingly violates such sections, or such conditions or limitations is subject to criminal penalties of \$5,000 to \$50,000 per day of violation, or imprisonment for not more than 3 years, or both. In the case of a second or subsequent conviction for a knowing violation, a person shall be subject to criminal penalties of not more than \$100,000 per day of violation, or imprisonment of not more than 6 years, or both.
- c. **Knowing Endangerment.** Any person who knowingly violates section 301, 302, 303, 306, 307, 308, 318 or 405 of the Act, or any permit condition or limitation implementing any of such sections in a permit issued under section 402 of the Act, and who knows at that time that he thereby places another person in imminent danger of death or serious bodily injury, shall, upon conviction, be subject to a fine of not more than \$250,000 or imprisonment of not more than 15 years, or both. In the case of a second or subsequent conviction for a knowing endangerment violation, a person shall be subject to a fine of not more than \$500,000 or by imprisonment of not more than 30 years, or both. An organization, as defined in section 309(c)(3)(B)(iii) of the Act, shall, upon conviction of violating the imminent danger provision, be subject to a fine of not more than \$1,000,000 and can be fined up to \$2,000,000 for second or subsequent convictions.
- d. **False Statements.** The Act provides that any person who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained under this permit shall, upon conviction, be punished by a fine of not more than \$10,000, or by imprisonment for not more than 2 years, or both. If a conviction of a person is for a violation committed after a first conviction of such person under this paragraph, punishment is a fine of not more than \$20,000 per day of violation, or by imprisonment of not more than 4 years, or both. The Act further provides that any person who knowingly makes any false statement, representation, or certification in any record or other document submitted or required to be maintained under this permit, including monitoring reports or reports of compliance or non-compliance shall, upon conviction, be punished by a fine of not more than \$10,000 per violation, or by imprisonment for not more than 6 months per violation, or by both.

C. Need to Halt or Reduce Activity not a Defense It shall not be a defense for the Permittee

in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with this permit.

- D. **Duty to Mitigate** The Permittee shall take all reasonable steps to minimize or prevent any discharge or sludge use or disposal in violation of this permit that has a reasonable likelihood of adversely affecting human health or the environment.

- E. **Proper Operation and Maintenance** The Permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) that are installed or used by the Permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance also includes adequate laboratory controls and appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems which are installed by the Permittee only when the operation is necessary to achieve compliance with the conditions of the permit.

- F. **Removed Substances** Solids, biosolids, filter backwash, or other pollutants removed in the course of treatment or control of wastewater shall be disposed of in a manner such as to prevent any pollutant from such materials from entering navigable waters.

- G. **Bypass of Treatment Facilities**
 - 1. Bypass not exceeding limitations. The Permittee may allow any bypass to occur that does not cause effluent limitations to be exceeded, but only if it also is for essential maintenance to assure efficient operation. These bypasses are not subject to the provisions of paragraphs 2 and 3 of this Part.

 - 2. Notice.
 - a. Anticipated bypass. If the Permittee knows in advance of the need for a bypass, it shall submit prior notice, if possible at least 10 days before the date of the bypass.

 - b. Unanticipated bypass. The Permittee shall submit notice of an unanticipated bypass as required under Part II.K. ("Twenty-four Hour Notice of Noncompliance Reporting").

 - 3. Prohibition of bypass.
 - a. Bypass is prohibited, and the Regional Administrator may take enforcement action against the Permittee for a bypass, unless:
 - 1) The bypass was unavoidable to prevent loss of life, personal injury, or severe property damage;

- 2) There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate back-up equipment shall have been installed in the exercise of reasonable engineering judgment to prevent a bypass that occurred during normal periods of equipment downtime or preventive maintenance; and
 - 3) The Permittee submitted notices as required under paragraph 2 of this Part.
- b. The Regional Administrator may approve an anticipated bypass, after considering its adverse effects, if the Regional Administrator determines that it will meet the three conditions listed above in paragraph 3.a. of this Part.

H. Upset Conditions

1. Effect of an upset. An upset constitutes an affirmative defense to an action brought for noncompliance with such technology-based permit effluent limitations if the Permittee meets the requirements of paragraph 2 of this Part. No determination made during administrative review of claims that noncompliance was caused by upset, and before an action for noncompliance, is final administrative action subject to judicial review.
2. Conditions necessary for a demonstration of upset. To establish the affirmative defense of upset the Permittee must demonstrate, through properly signed, contemporaneous operating logs, or other relevant evidence that:
 - a. An upset occurred and that the Permittee can identify the cause(s) of the upset;
 - b. The permitted facility was at the time being properly operated;
 - c. The Permittee submitted notice of the upset as required under Part II.K, Twenty-four Hour Notice of Noncompliance Reporting; and
 - d. The Permittee complied with any remedial measures required under Part III.D, Duty to Mitigate.
3. Burden of proof. In any enforcement proceeding, the Permittee seeking to establish the occurrence of an upset has the burden of proof.

~~L. Toxic Pollutants The Permittee shall comply with effluent standards or prohibitions~~

established under Section 307(a) of the Act for toxic pollutants and with standards for sewage sludge use or disposal established under section 405(d) of the Act within the time provided in the regulations that establish those standards or prohibitions, even if the permit has not yet been modified to incorporate the requirement.

J. Planned Changes The Permittee shall give notice to the Regional Administrator as soon as possible of any planned physical alterations or additions to the permitted facility whenever:

1. The alteration or addition to a permitted facility may meet one of the criteria for determining whether a facility is a new source as determined in 40 CFR §122.29(b);
or
2. The alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants that are subject neither to effluent limitations in the permit, nor to notification requirements under Part II.K.

K. Anticipated Noncompliance The Permittee shall also give advance notice to the Regional Administrator of any planned changes in the permitted facility or activity that may result in noncompliance with this permit.

L. Compliance Schedules Reports of compliance or noncompliance with, or any progress reports on interim and final requirements contained in any Compliance Schedule of the permit shall be submitted no later than 10 days following each schedule date.

IV. GENERAL PROVISIONS

A. Permit Actions This permit may be modified, revoked and reissued, or terminated for cause as specified in 40 CFR 122.62, 122.64, or 122.5. The filing of a request by the Permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.

B. Duty to Reapply If the Permittee intends to continue an activity regulated by this permit after the expiration date of this permit, the Permittee must apply for and obtain a new permit. The application shall be submitted at least 180 days before the expiration date of this permit.

C. Duty to Provide Information The Permittee shall furnish to the Regional Administrator, within the time specified in the request, any information that the Regional Administrator may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The Permittee shall also furnish to the Regional Administrator, upon request, copies of records required to be

kept by this permit.

D. Other Information When the Permittee becomes aware that it failed to submit any relevant facts in a permit application, or that it submitted incorrect information in a permit application or any report to the Regional Administrator, it shall promptly submit the omitted facts or corrected information.

E. Signatory Requirements All applications, reports or information submitted to the Regional Administrator shall be signed and certified.

1. All permit applications shall be signed as follows:

a. For a municipality, state, federal, Indian tribe or other public agency: by either a principal executive officer or ranking elected official.

2. All reports required by the permit and other information requested by the Regional Administrator shall be signed by a person described above or by a duly authorized representative of that person. A person is a duly authorized representative only if:

a. The authorization is made in writing by a person described above and submitted to the Regional Administrator, and

b. The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity, such as the position of plant manager, operator of a well or a well field, superintendent, position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters for the facility.

3. Changes to authorization. If an authorization under paragraph 2., above, is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization satisfying the requirements of paragraph 2 must be submitted to the Regional Administrator prior to or together with any reports, information, or applications to be signed by an authorized representative.

4. Certification. Any person signing a document under this Part shall make the following certification:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted

is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

- F. Availability of Reports** In accordance with 40 CFR 2, information submitted to EPA pursuant to this permit may be claimed as confidential by the permittee. In accordance with the Act, permit applications, permits and effluent data are not considered confidential. Any confidentiality claim must be asserted at the time of submission by stamping the words "confidential business information" on each page containing such information. If no claim is made at the time of submission, EPA may make the information available to the public without further notice to the permittee. If a claim is asserted, the information will be treated in accordance with the procedures in 40 CFR 2, Subpart B (Public Information) and 41 Fed. Reg. 36902 through 36924 (September 1, 1976), as amended.
- G. Inspection and Entry** The Permittee shall allow EPA or their authorized representatives (including an authorized contractor acting as a representative of the Administrator), upon the presentation of credentials and other documents as may be required by law, to:
1. Enter upon the Permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit;
 2. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
 3. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; and
 4. Sample or monitor at reasonable times, for the purpose of assuring permit compliance or as otherwise authorized by the Act, any substances or parameters at any location.
- H. Oil and Hazardous Substance Liability** Nothing in this permit shall be construed to preclude any legal action, or relieve the Permittee from any responsibilities, liabilities, or penalties to that the Permittee is or may be subject, under Section 311 of the Act.
- I. Property Rights** The issuance of this permit does not convey any property rights of any sort, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.
- J. Severability** The provisions of this permit are severable. If any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the

application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

K. Transfers The Permittee may request that this permit be automatically transferred to a new Permittee if:

1. The current Permittee notifies the Regional Administrator at least 30 days in advance of the proposed transfer date;
2. The notice includes a written agreement between the existing and new Permittee containing a specific date for transfer of permit responsibility, coverage, and liability between them; and
3. The Regional Administrator does not notify the existing Permittee and the proposed new Permittee of his or her intent to modify, or revoke and reissue the permit. If this notice is not received, the transfer is effective on the date specified in the agreement mentioned in paragraph 2 above.

L. State Laws Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the Permittee from any responsibilities, liabilities, or penalties established pursuant to any applicable state law or regulation under authority preserved by Section 510 of the Act.

M. Reopener Clause

1. This permit shall be modified, or alternatively, revoked and reissued, to comply with any applicable effluent standard or limitation issued or approved under Sections 301(b)(2)(C) and (D), 304(b)(2), and 307(a)(2) of the Act, as amended, if the effluent standard, limitation, or requirement so issued or approved:
 - a. Contains different conditions or is otherwise more stringent than any condition in the permit; or
 - b. Controls any pollutant or disposal method not addressed in the permit. The permit as modified or reissued under this paragraph shall also contain any other requirements of the Act then applicable.
2. This permit may be reopened to add or adjust any effluent limitations if future water quality studies, waste load allocation determinations, or changes in water quality standards show the need for different requirements, subject to the provisions of sections 303(d)(4) and 402(o) of the Act.

V. DEFINITIONS

1. "Average monthly discharge limitation" means the highest allowable average of "daily discharges" over a calendar month, calculated as the sum of all "daily discharges" measured during a calendar month divided by the number of "daily discharges" measured during that month.
2. "Average weekly discharge limitation" means the highest allowable average of "daily discharges" over a calendar week, calculated as the sum of all "daily discharges" measured during a calendar week divided by the number of "daily discharges" measured during that week.
3. "Bypass" means the intentional diversion of waste streams from any portion of a treatment facility.
4. "CWA" means the Clean Water Act (formerly referred to as either the Federal Water Pollution Control Act or the Federal Water Pollution Control Act Amendments of 1972), Pub. L. 92-500, as amended by Pub. L. 95-217, Pub. L. 95-576, Pub. L. 96-483, Pub. L. 97-117, and Pub. L. 100-4.
5. "Daily Discharge" means the discharge of a pollutant measured during a calendar day or any 24-hour period that reasonably represents the calendar day for purposes of sampling. For pollutants with limitations expressed in units of mass, the "daily discharge" is calculated as the total mass of the pollutant discharged over the day. For pollutants with limitations expressed in other units of measurement, the "daily discharge" is calculated as the average measurement of the pollutant over the day.
6. "Daily Maximum" ("Daily Max.") is the maximum value allowable in any single sample or instantaneous measurement.
7. "Daily maximum discharge limitation" means the highest allowable "daily discharge."
8. "Director" means Director of the Office of Water, United States Environmental Protection Agency, Region 10.
9. "EPA" means the United States Environmental Protection Agency.
10. A "grab" sample, for monitoring requirements, is a single "dip and take" sample or measurement taken at a specific time or over as short a period of time at a representative point anywhere in wastewater treatment or biosolids land application processes, as is feasible.
11. "Monthly Average" is the arithmetic mean of all measurements taken during the month ~~except that a geometric mean will be used for fecal coliform analyses.~~

12. "Not Permitted" means not approved under this permit. It usually refers to either a practice for which the permittee did not apply to utilize, or has not prepared procedures complying with the federal standards or requirements of others.
13. "Severe property damage" means substantial physical damage to property, damage to the treatment facilities which causes them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.
14. "Treatment Works" are either Federally owned, publicly owned, or privately owned devices or systems used to treat (including recycling and reclamation) either cosmetic sewage or a combination of cosmetic sewage and industrial waste of a liquid nature.
15. A "24-hour composite" sample shall mean a flow-proportioned mixture of not less than eight discrete aliquots. Each aliquot shall be a grab sample of not less than 100 ml and shall be collected and stored in accordance with procedures prescribed in the most recent edition of *Standard Methods for the Examination of Water and Wastewater*.
16. "Upset" means an exceptional incident in which there is unintentional and temporary noncompliance with technology-based permit effluent limitations because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.

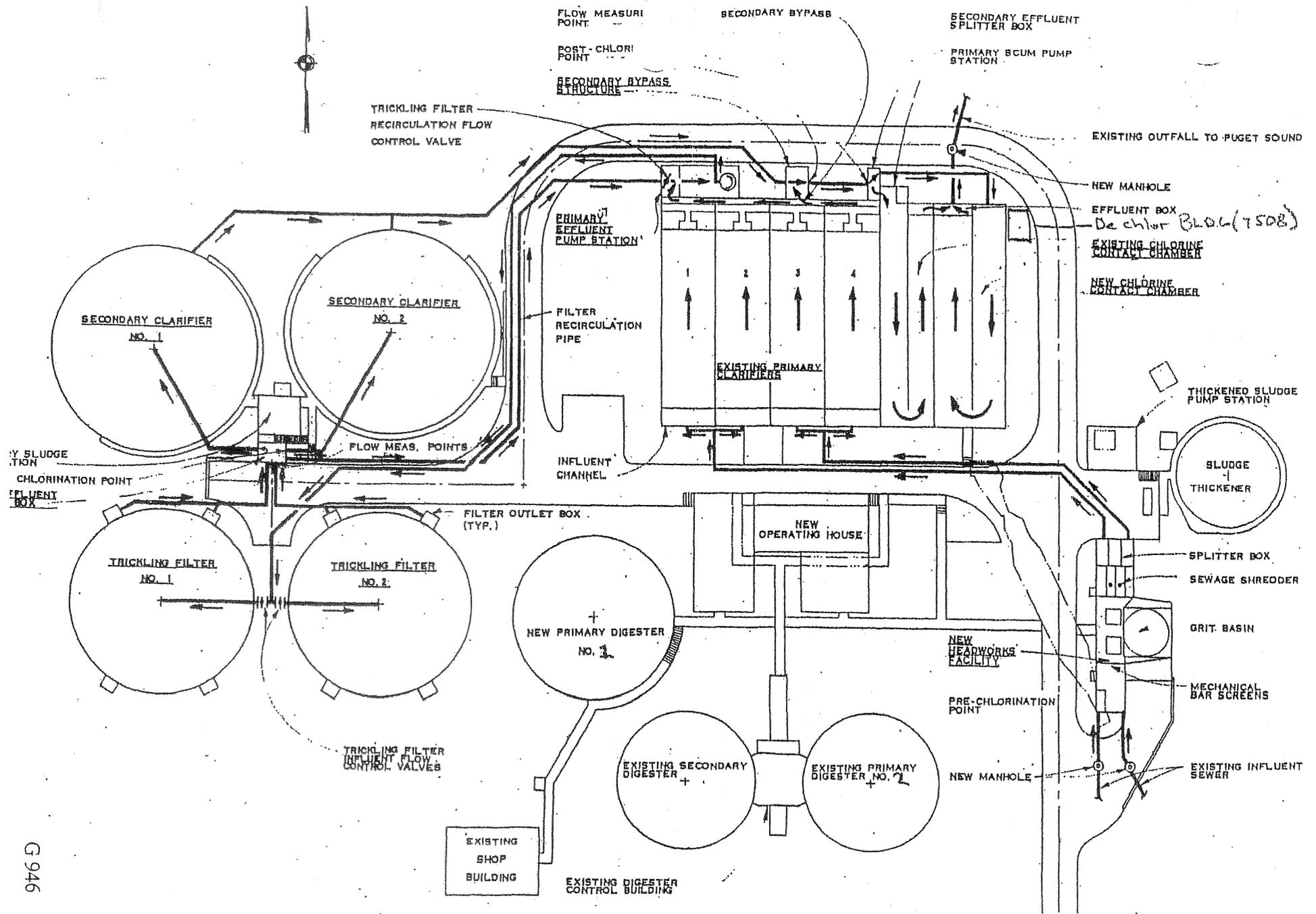
NPDES PERMIT REQUIREMENTS

EFFLUENT CHARACTERISTIC	UNIT OF MEASURE	MONTHLY AVERAGE	WEEKLY AVERAGE	PERCENT REMOVAL
<u>CONCENTRATIONS</u>				
Biochemical Oxygen Demand* (5 day BOD)	mg/l	30	45	80% Minimum
Suspended Solids* (SS)	mg/l	30	45	80% Minimum
Fecal Coliform Bacteria	colonies/100mg/l	200	400	
Chlorine Residual	mg/l	> .5 nor < .1		
PH	Standard Units	> 8.5 nor < 6.0		
Total Oil & Grease**	mg/l	10 mg/l Daily average	15 mg/l Daily Max	
<u>LOADINGS</u>				
BODs	Kg/day (lbs/day)	865 (1902)	1296 (2852)	
SS	Kg/day (lbs/day)	865 (1902)	1296 (2852)	

* Monthly average BODs and SS concentrations shall not exceed 30 mg/l or 20% of the influent concentrations, whichever is more stringent.

Visual observation for Oil sheen shall be recorded and reported along with other required discharge results. There shall be no discharge of floating solids or visible foam in other than trace amounts or Oily wastes which produce a sheen on the surface of the receiving water.

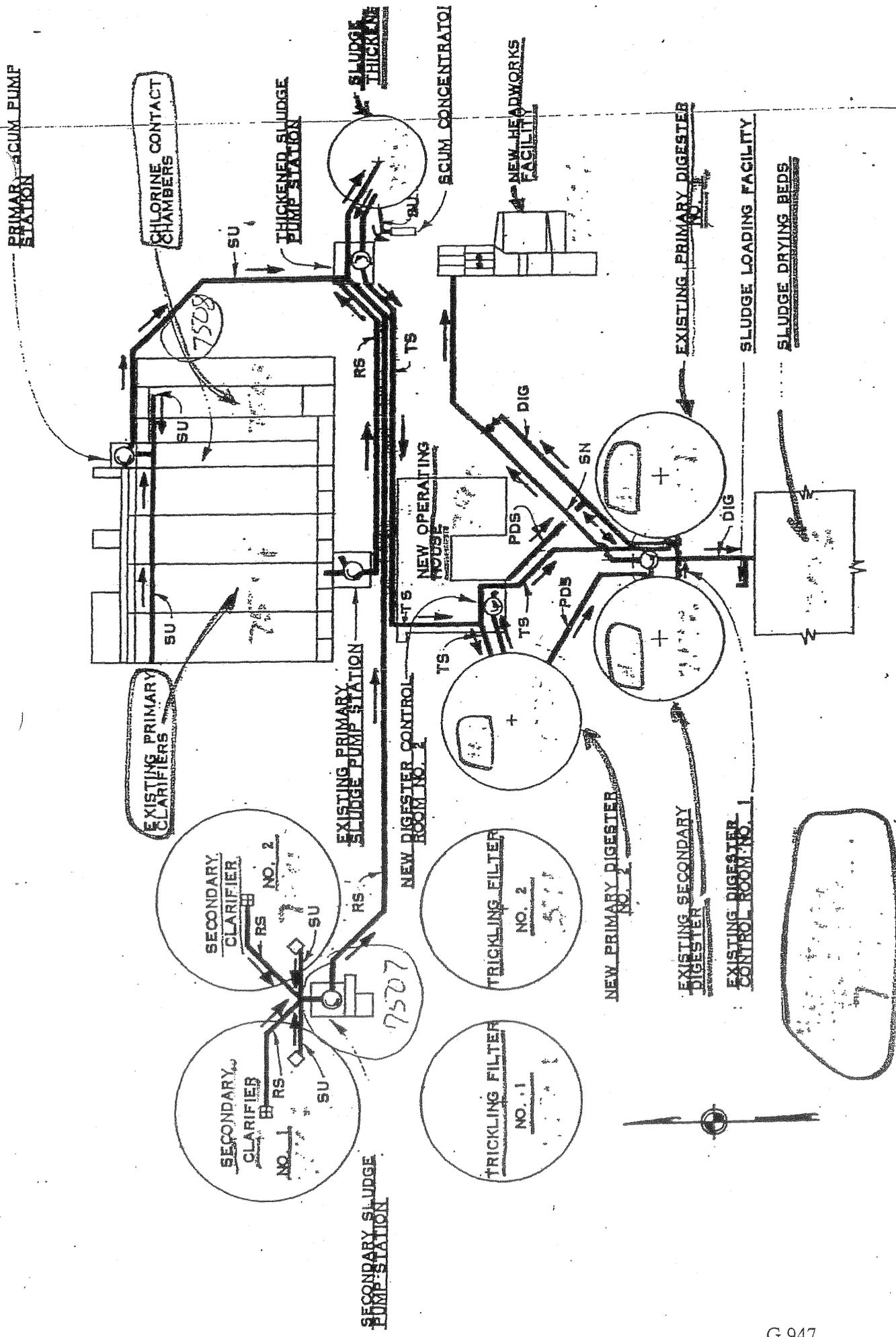
All Plant personnel should thoroughly familiarize themselves with the Fort Lewis NPDES permit and understand the requirements set forth by the Federal EPA. The Operational skills and knowledge in obtaining these results are the responsibility of each employee working in the Plant. Permit non-compliance violations rest with the Operator in charge of the Plant and therefore should motivate everyone to continually improve Operational skills, Process knowledge, work environment and communications.



FLOW DIAGRAM

1"=30'

G 946



SOLIDS HANDLING SCHEMATIC



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

May 19, 2006

[REDACTED]

Re: Analytical Data for Project Digester #1
Laboratory Reference No. 0605-101

Dear [REDACTED]

Enclosed are the analytical results and associated quality control data for samples submitted on May 17, 2006.

The standard policy of OnSite Environmental Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

[REDACTED]

[REDACTED]
Project Manager

Enclosures

OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

G 263

Date of Report: May 19, 2006
Samples Submitted: May 17, 2006
Laboratory Reference: 0605-101
Project: Digester #1

Case Narrative

Samples were collected on May 16, 2006 and received by the laboratory on May 17, 2006. They were maintained at the laboratory at a temperature of 2°C to 6°C except as noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

Date of Report: May 19, 2006
Samples Submitted: May 17, 2006
Laboratory Reference: 0605-101
Project: Digester #1

NWTPH-Dx

Date Extracted: 5-17-06
Date Analyzed: 5-17-06

Matrix: Soil
Units: mg/kg (ppm)

Client ID: **Digester #1 Sludge**
Lab ID: 05-101-01

Diesel Range: **570**
PQL: 310

Identification: Diesel Fuel #2

Lube Oil Range: **2300**
PQL: 630

Identification: Lube Oil

Surrogate Recovery
o-Terphenyl: 75%

Flags: Y

Date of Report: May 19, 2006
Samples Submitted: May 17, 2006
Laboratory Reference: 0605-101
Project: Digester #1

NWTPH-Dx
METHOD BLANK QUALITY CONTROL

Date Extracted: 5-17-06
Date Analyzed: 5-17-06

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB0517S1

Diesel Range: **ND**
PQL: 25
Identification: —

Lube Oil Range: **ND**
PQL: 50
Identification: —

Surrogate Recovery
o-Terphenyl: 105%

Flags: Y

Date of Report: May 19, 2006
Samples Submitted: May 17, 2006
Laboratory Reference: 0605-101
Project: Digester #1

NWTPH-Dx
DUPLICATE QUALITY CONTROL

Date Extracted: 5-17-06
Date Analyzed: 5-17-06

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 05-101-01 05-101-01 DUP

Diesel Range: 45.8 42.3
PQL: 25 25

RPD: 8

Surrogate Recovery
o-Terphenyl: 75% 77%

Flags: Y Y

Date of Report: May 19, 2006
 Samples Submitted: May 17, 2006
 Laboratory Reference: 0605-101
 Project: Digester #1

PAHs by EPA 8270C/SIM

Date Extracted: 5-17-06
 Date Analyzed: 5-17-06

Matrix: Sludge
 Units: mg/kg (ppm)

Lab ID: 05-101-01
 Client ID: Digester #1 Sludge

Compound:	Results	Flags	PQL
Naphthalene	0.29		0.25
2-Methylnaphthalene	0.80		0.25
1-Methylnaphthalene	0.58		0.25
Acenaphthylene	ND		0.25
Acenaphthene	ND		0.25
Fluorene	ND		0.25
Phenanthrene	0.58		0.25
Anthracene	ND		0.25
Fluoranthene	0.65		0.25
Pyrene	0.80		0.25
Benzo[a]anthracene	ND		0.25
Chrysene	0.30		0.25
Benzo[b]fluoranthene	0.30		0.25
Benzo[k]fluoranthene	ND		0.25
Benzo[a]pyrene	ND		0.25
Indeno(1,2,3-c,d)pyrene	0.31		0.25
Dibenz[a,h]anthracene	ND		0.25
Benzo[g,h,i]perylene	ND		0.25

Surrogate :	Percent Recovery	Control Limits
Nitrobenzene-d5	56	49 - 121
2-Fluorobiphenyl	71	53 - 110
Terphenyl-d14	80	64 - 123

OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

G 268

Date of Report: May 19, 2006
 Samples Submitted: May 17, 2006
 Laboratory Reference: 0605-101
 Project: Digester #1

**PAHs by EPA 8270C/SIM
 METHOD BLANK QUALITY CONTROL**

Date Extracted: 5-17-06
 Date Analyzed: 5-17-06
 Matrix: Soil
 Units: mg/kg (ppm)
 Lab ID: MB0517S1

Compound:	Results	Flags	PQL
Naphthalene	ND		0.0067
2-Methylnaphthalene	ND		0.0067
1-Methylnaphthalene	ND		0.0067
Acenaphthylene	ND		0.0067
Acenaphthene	ND		0.0067
Fluorene	ND		0.0067
Phenanthrene	ND		0.0067
Anthracene	ND		0.0067
Fluoranthene	ND		0.0067
Pyrene	ND		0.0067
Benzo[a]anthracene	ND		0.0067
Chrysene	ND		0.0067
Benzo[b]fluoranthene	ND		0.0067
Benzo[k]fluoranthene	ND		0.0067
Benzo[a]pyrene	ND		0.0067
Indeno(1,2,3-c,d)pyrene	ND		0.0067
Dibenz[a,h]anthracene	ND		0.0067
Benzo[g,h,i]perylene	ND		0.0067

Surrogate :	Percent Recovery	Control Limits
Nitrobenzene-d5	62	49 - 121
2-Fluorobiphenyl	81	53 - 110
Terphenyl-d14	103	64 - 123

OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody,
 and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: May 19, 2006
 Samples Submitted: May 17, 2006
 Laboratory Reference: 0605-101
 Project: Digester #1

PAHs by EPA 8270C/SIM
 SB/SBD QUALITY CONTROL

Date Extracted: 5-17-06
 Date Analyzed: 5-17-06

Matrix: Soil
 Units: mg/kg (ppm)

Lab ID: SB0517S1

Compound:	Spike Amount	SB	Percent Recovery	SBD	Percent Recovery	Recovery Limits	Flags
Naphthalene	0.0833	0.0512	61	0.0484	58	30-115	
Acenaphthylene	0.0833	0.0641	77	0.0552	66	46-125	
Acenaphthene	0.0833	0.0652	78	0.0611	73	40-119	
Fluorene	0.0833	0.0874	105	0.0809	97	50-133	
Phenanthrene	0.0833	0.0880	106	0.0798	96	48-128	
Anthracene	0.0833	0.0860	103	0.0762	91	53-134	
Fluoranthene	0.0833	0.0835	100	0.0796	96	50-143	
Pyrene	0.0833	0.0807	97	0.0772	93	44-139	
Benzo[a]anthracene	0.0833	0.0568	68	0.0560	67	62-129	
Chrysene	0.0833	0.0618	74	0.0613	74	42-127	
Benzo[b]fluoranthene	0.0833	0.0621	75	0.0617	74	57-132	
Benzo[k]fluoranthene	0.0833	0.0597	72	0.0585	70	57-131	
Benzo[a]pyrene	0.0833	0.0568	68	0.0553	66	59-132	
Indeno(1,2,3-c,d)pyrene	0.0833	0.0634	76	0.0626	75	55-135	
Dibenz[a,h]anthracene	0.0833	0.0629	76	0.0625	75	36-146	
Benzo[g,h,i]perylene	0.0833	0.0623	75	0.0625	75	42-140	

	RPD	RPD Limit	Flags
Naphthalene	6	25	
Acenaphthylene	15	25	
Acenaphthene	6	25	
Fluorene	8	25	
Phenanthrene	10	25	
Anthracene	12	25	
Fluoranthene	5	25	
Pyrene	5	25	
Benzo[a]anthracene	1	25	
Chrysene	1	25	
Benzo[b]fluoranthene	1	25	
Benzo[k]fluoranthene	2	25	
Benzo[a]pyrene	3	25	
Indeno(1,2,3-c,d)pyrene	1	25	
Dibenz[a,h]anthracene	1	25	
Benzo[g,h,i]perylene	0	25	

OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

G 270

Date of Report: May 19, 2006
 Samples Submitted: May 17, 2006
 Laboratory Reference: 0605-101
 Project: Digester #1

PCBs by EPA 8082

Date Extracted: 5-17-06
 Date Analyzed: 5-18-06
 Matrix: Soil
 Units: mg/kg (ppm)

Lab ID: 05-101-01
 Client ID: Digester #1 Sludge

	Result	PQL
Aroclor 1016:	ND	0.63
Aroclor 1221:	ND	0.63
Aroclor 1232:	ND	0.63
Aroclor 1242:	ND	0.63
Aroclor 1248:	ND	0.63
Aroclor 1254:	ND	0.63
Aroclor 1260:	ND	0.63
Aroclor 1262:	ND	0.63
Aroclor 1268:	ND	0.63

Surrogate	Percent Recovery	Control Limits
Decachlorobiphenyl	66	41-128

Flags:

Date of Report: May 19, 2006
 Samples Submitted: May 17, 2006
 Laboratory Reference: 0605-101
 Project: Digester #1

**PCBs by EPA 8082
 METHOD BLANK QUALITY CONTROL**

Date Extracted: 5-17-06
 Date Analyzed: 5-18-06
 Matrix: Soil
 Units: mg/kg (ppm)

Lab ID: MB0517S1

	Result	PQL
Aroclor 1016:	ND	0.050
Aroclor 1221:	ND	0.050
Aroclor 1232:	ND	0.050
Aroclor 1242:	ND	0.050
Aroclor 1248:	ND	0.050
Aroclor 1254:	ND	0.050
Aroclor 1260:	ND	0.050
Aroclor 1262:	ND	0.050
Aroclor 1268:	ND	0.050

Surrogate	Percent Recovery	Control Limits
Decachlorobiphenyl	79	41-128

Flags:

Date of Report: May 19, 2006
 Samples Submitted: May 17, 2006
 Laboratory Reference: 0605-101
 Project: Digester #1

**PCBs by EPA 8082
 SB/SBD QUALITY CONTROL**

Date Extracted: 5-17-06

Date Analyzed: 5-18-06

Matrix: Soil

Units: mg/kg (ppm)

Lab ID: SB0517S1

Spike Level: 0.500

	SB	Percent Recovery	SBD	Percent Recovery	RPD
Aroclor 1260:	0.464	93	0.467	93	1
PQL	0.050		0.050		

Surrogate	Percent Recovery	Percent Recovery	Control Limits
Decachlorobiphenyl	84	84	41-128

Flags:

Date of Report: May 19, 2006
Samples Submitted: May 17, 2006
Laboratory Reference: 0605-101
Project: Digester #1

% MOISTURE

Date Analyzed: 5-17-06

Client ID	Lab ID	% Moisture
Digester #1 Sludge	05-101-01	92



Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
 - B - The analyte indicated was also found in the blank sample.
 - C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
 - E - The value reported exceeds the quantitation range and is an estimate.
 - F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
 - G - Insufficient sample quantity for duplicate analysis.
 - H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
 - I - Compound recovery is outside of the control limits.
 - J - The value reported was below the practical quantitation limit. The value is an estimate.
 - K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
 - L - The RPD is outside of the control limits.
 - M - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.
 - O - Hydrocarbons indicative of diesel fuel are present in the sample and are impacting the gasoline result.
 - P - The RPD of the detected concentrations between the two columns is greater than 40.
 - Q - Surrogate recovery is outside of the control limits.
 - S - Surrogate recovery data is not available due to the necessary dilution of the sample.
 - T - The sample chromatogram is not similar to a typical _____.
 - U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
 - V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
 - W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
 - X - Sample extract treated with a silica gel cleanup procedure.
 - Y - Sample extract treated with an acid/silica gel cleanup procedure.
 - Z -
- ND - Not Detected at PQL
 PQL - Practical Quantitation Limit
 RPD - Relative Percent Difference

NAME DEFENSE, ARMY
 ADDRESS P.O. BOX 339500
 PUBLIC WORKS, AFZH-PAU-R, M/S-17
 FORT LEWIS WA 98433-9500
 FACILITY DEFENSE, ARMY
 LOCATION FORT LEWIS WA 98433-9500
 ATTN: [REDACTED]

DISCHARGE MONITORING REPORT (DMR)

WA0021954
 PERMIT NUMBER

001 A
 DISCHARGE NUMBER

MAJOR (SUBR 03)
 F - FINAL
 WASTEWATER FACILITY SOLO POIN

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
00	01	01		00	01	01

*** NO DISCHARGE [] ***

NOTE: Read instructions before completing this form.

C593

PARAMETER	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
BOD, 5-DAY (20 DEG. C) 00310 6 0 0 RAW SEW/INFLUENT	SAMPLE MEASUREMENT	4218	*****	(26)	*****	7777	*****	(19)			
	PERMIT REQUIREMENT	NO AVG		LBS/DY		NO AVG		MG/L			
BOD, 5-DAY (20 DEG. C) 00310 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	827	913	(26)	*****	14	16	(19)			
	PERMIT REQUIREMENT	NO AVG	WEEKLY AVG	LBS/DY		NO AVG	WEEKLY AVG	MG/L			
PH 00400 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		6.1	7.1		(12)			
	PERMIT REQUIREMENT			***				SU			
SOLIDS, TOTAL SUSPENDED 00530 6 0 0 RAW SEW/INFLUENT	SAMPLE MEASUREMENT	7542		(26)	*****	132		(19)			
	PERMIT REQUIREMENT	NO AVG		LBS/DY		NO AVG		MG/L			
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	1,108	1,313	(26)	*****	19	23	(19)			
	PERMIT REQUIREMENT	NO AVG	WEEKLY AVG	LBS/DY		NO AVG	WEEKLY AVG	MG/L			
NITROGEN, AMMONIA TOTAL (AS N) 00610 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	*****	**	(19)			
	PERMIT REQUIREMENT			***				MG/L			
NITROGEN, NITRITE TOTAL (AS N) 00615 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	*****	**	(19)			
	PERMIT REQUIREMENT			***				MG/L			

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER: [REDACTED]

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

TYPED OR PRINTED: [REDACTED]

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT: [REDACTED]

TELEPHONE: [REDACTED]

DATE: [REDACTED]

AREA CODE: [REDACTED] NUMBER: [REDACTED] YEAR: [REDACTED] MO: [REDACTED] DAY: [REDACTED]

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

** Rep. on June & Dec. DMR's

ADDRESS: 1400 BVA 33300
 PUBLIC WORKS, AFZH-PWU-R, M/S-17
 FORT LEWIS WA 98433-9500
 FACILITY DEFENSE, ARMY
 LOCATION FORT LEWIS WA 98433-9500 FROM
 ATTN: [REDACTED]

NA0021954
 PERMIT NUMBER
 001 A
 DISCHARGE NUMBER
 MONITORING PERIOD

YEAR	MO	DAY	TO	YEAR	MO	DAY
06	01	01		06	01	31

(SUBR 03)
 F - FINAL
 WASTEWATER FACILITY SOLD POINT
 *** NO DISCHARGE 1-1-1 ***
 NOTE: Read instructions before completing this form.

G 594

PARAMETER	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
NITROGEN, NITRATE TOTAL (AS N) 00620 1 0 0	SAMPLE MEASUREMENT	*****	*****		*****	*****	* *	(19)	0		
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT			***			REPORT				
NITROGEN, KJELDHAL TOTAL (AS N) 00625 1 0 0	SAMPLE MEASUREMENT	*****	*****		*****	*****	* *	(19)	0		
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT			***			REPORT				
FECAL COLIFORM, MPN EC MED, 44.5C 31615 1 0 0	SAMPLE MEASUREMENT	*****	*****		*****	6	13	(13)	0		
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT			***		400	400	100ML			
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0	SAMPLE MEASUREMENT	6.8	*****	(03)	*****	*****	*****		0		
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	AD AVG		MGD				***			
CHLORINE, TOTAL RESIDUAL 50060 1 0 0	SAMPLE MEASUREMENT	*****	*****		*****	*****	0.34	(19)	0		
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT			***			DAILY MAX	MG/L			
BOD, 5-DAY PERCENT REMOVAL 81010 K 0 0	SAMPLE MEASUREMENT	*****	*****		75-78%	*****	*****	(23)	0		
PERCENT REMOVAL	PERMIT REQUIREMENT			***	MIN % REMV	*****	*****	PER-CENT			
SOLIDS, SUSPENDED PERCENT REMOVAL 81011 K 0 0	SAMPLE MEASUREMENT	*****	*****		84	*****	*****	(23)	0		
PERCENT REMOVAL	PERMIT REQUIREMENT			***	MIN % REMV	*****	*****	PER-CENT			

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	TELEPHONE	DATE		
		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

** Report June + Dec Dmr '5

DISCHARGE MONITORING REPORT (DMR)

NAME DEFENSE, ARMY
ADDRESS P.O. BOX 339500
PUBLIC WORKS, AFZH-PWU-R, M/S-17
FORT LEWIS WA 98433-9500
FACILITY DEFENSE, ARMY
LOCATION FORT LEWIS WA 98433-9500
ATTN: [REDACTED]

WA0021954
PERMIT NUMBER

001 A
DISCHARGE NUMBER

MAJOR (SUBR 03)
F - FINAL
WASTEWATER FACILITY SOLO POI

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
00	01	01		00	01	31

*** NO DISCHARGE [] ***

NOTE: Read instructions before completing this form.

G 595

PARAMETER	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
HYDROCARBONS, PETROLEUM	SAMPLE MEASUREMENT	*****	*****		*****	*****	**	(19)			
82180 1 0 0	PERMIT REQUIREMENT			***							
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT			****				MG/L			
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

TYPED OR PRINTED

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE
DATE
AREA CODE NUMBER YEAR MO DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

** Per [] nit reported with I/I Report

NAME DEFENSE, ARMY
 ADDRESS F.O. BOX 33350
 PUBLIC WORKS, AFZH-PWU-R, M/S-17
 FORT LEWIS WA 98433-9500
 FACILITY DEFENSE, ARMY
 LOCATION FORT LEWIS WA 98433-9500
 ATTN: [REDACTED]

WA0021954
 PERMIT NUMBER

001 A
 DISCHARGE NUMBER

MONITORING PERIOD							
YEAR	MO	DAY	TO	YEAR	MO	DAY	
06	02	01		06	02	28	

MAJOR (SUBR 03)
 F - FINAL
 WASTEWATER FACILITY SOLO PD
 *** NO DISCHARGE 1-1-1 ***
 NOTE: Read instructions before completing this form

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLING
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
BOD, 5-DAY (20 DEG. C) 00310 0 0 0 RAW SEW/INFLUENT	4022 ^{CP}	*****	(26)	*****	676	*****	(19)	0	DAILY	DM	
	PERMIT REQUIREMENT	NO AVG		LBS/DY	NO AVG		MG/L				
BOD, 5-DAY (20 DEG. C) 00310 1 0 0 EFFLUENT GROSS VALUE	615 ^{CP}	902 ^{CP}	(26)	*****	10 ^{CP}	15 ^{CP}	(19)	0	DAILY	DM	
	PERMIT REQUIREMENT	NO AVG	WKLY AVG	LBS/DY	NO AVG	WKLY AVG	MG/L				
PH	*****	*****			6.5 ^{CP}	7.2 ^{CP}	(12)	0	DAILY	DM	
	PERMIT REQUIREMENT	*****	***	***	MINIMUM	MAXIMUM	SU		DAILY	DM	
SOLIDS, TOTAL SUSPENDED 00530 0 0 0 RAW SEW/INFLUENT	6461 ^{CP}	*****	(26)	*****	107 ^{CP}	*****	(19)	0	DAILY	DM	
	PERMIT REQUIREMENT	NO AVG		LBS/DY	NO AVG		MG/L				
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	908 ^{CP}	1,143 ^{CP}	(26)	*****	15 ^{CP}	19 ^{CP}	(19)	0	DAILY	DM	
	PERMIT REQUIREMENT	NO AVG	WKLY AVG	LBS/DY	NO AVG	WKLY AVG	MG/L				
NITROGEN, AMMONIA TOTAL (AS N) 00610 1 0 0 EFFLUENT GROSS VALUE	*****	*****	***	***	*****	*****	(19)	0	SEMI-ANNUAL	DM	
	PERMIT REQUIREMENT	*****	***	***	*****	*****	MG/L		SEMI-ANNUAL	DM	
NITROGEN, NITRATE TOTAL (AS N) 00615 1 0 0 EFFLUENT GROSS VALUE	*****	*****	***	***	*****	*****	(19)	0	SEMI-ANNUAL	DM	
	PERMIT REQUIREMENT	*****	***	***	*****	*****	MG/L		SEMI-ANNUAL	DM	

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	TELEPHONE		DATE	
		AREA CODE	NUMBER	YEAR	MO
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT				

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

*** Re led on June & Dec DMR'S

CG 596

NAME: F.C. BOX 339500
 ADDRESS: PUBLIC WORKS, AFZH-PWU-R, R/S-17
 FORT LEWIS WA 98433-9500
 FACILITY: DEFENSE, ARMY
 LOCATION: FORT LEWIS WA 98433-9500
 ATTN: [REDACTED]

WA0021954
 PERMIT NUMBER

001 A
 DISCHARGE NUMBER

(USER 03)
 F - FINAL
 WASTEWATER FACILITY SOLID POINT

MONITORING PERIOD						
YEAR	MO.	DAY	TO	YEAR	MO.	DAY
00	02	01		00	02	20

*** NO DISCHARGE [] ***
 NOTE: Read instructions before completing this form

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS				
NITROGEN, NITRATE TOTAL (AS N) 00620 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	*****				(19)		
	PERMIT REQUIREMENT	*****	*****	***	*****	*****	REPORT	MG/L				
NITROGEN, NITRATE TOTAL (AS N) 00625 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	*****				(19)		
	PERMIT REQUIREMENT	*****	*****	***	*****	*****	REPORT	MG/L				
FECAL COLIFORM, MPN, EC MED, 44.5C 01615 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	*****	4.0	11.0		(13)		
	PERMIT REQUIREMENT	*****	*****	***	*****	*****	200	400				
FLW, IN CONDUIT OR THRU TREATMENT PLANT 00030 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	7.2 (17)	*****	(0.3)	*****	*****						
	PERMIT REQUIREMENT	NO AVG	*****	MGD	*****	*****						
CHLORINE, TOTAL RESIDUAL 50060 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	*****		0.38		(19)		
	PERMIT REQUIREMENT	*****	*****	***	*****	*****		0.5				
SOD, 5-DAY PERCENT REMOVAL 01010 K 0 0 PERCENT REMOVAL	SAMPLE MEASUREMENT	*****	*****		83.0	*****				(23)		
	PERMIT REQUIREMENT	*****	*****	***	BY	*****						
SOLIDS, SUSPENDED PERCENT REMOVAL 01011 K 0 0 PERCENT REMOVAL	SAMPLE MEASUREMENT	*****	*****		85.0	*****				(23)		
	PERMIT REQUIREMENT	*****	*****	***	BY	*****						

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER: _____
 I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

TYPED OR PRINTED: _____
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT: _____
 TELEPHONE: _____ DATE: _____
 AREA CODE: _____ NUMBER: _____ YEAR: _____ MO: _____ DA: _____

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 *** Rep'd on June + See Dmr's

C-597

PERMITTEE NAME/ADDRESS (includes Facility Name/ Location if Different)
 NAME DEFENSE, ARMY
 ADDRESS P.O. BOX 339500
 PUBLIC WORKS, AFZH-PWU-R, H/S-17
 FORT LEWIS WA 98433-9500
 FACILITY DEFENSE, ARMY
 LOCATION FORT LEWIS WA 98433-9500
 ATTN: [REDACTED]

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)

WA0021954 001 A
 PERMIT NUMBER DISCHARGE NUMBER

MAJOR (SUBR 03)
 F - FINAL
 WASTEWATER FACILITY SOLD POINT

MONITORING PERIOD						
YEAR	MO.	DAY	TO	YEAR	MO.	DAY
98	06	01		98	12	31

*** NO DISCHARGE !!! ***
 NOTE: Read instructions before completing this form.

PARAMETER	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
BOD, 5-DAY (20 DEG. C) 00310 6 0 0 RAW SEW/INFLUENT		4721 (1)	*****	(26)	*****	122 (2)	*****	(19)			
		PERMIT REQUIREMENT		LBS/DY		MD AVG		MG/L			
BOD, 5-DAY (20 DEG. C) 00310 1 0 0 EFFLUENT GROSS VALUE		671 (3)	771 (4)	(26)	*****	17 (5)	20 (6)	(19)			
		PERMIT REQUIREMENT		LBS/DY		MD AVG		MG/L			
TN 00400 1 0 0 EFFLUENT GROSS VALUE		*****	*****		6.3 (7)	*****	6.9 (8)	(12)			
		PERMIT REQUIREMENT		***				SU			
SOLIDS, TOTAL SUSPENDED 00530 6 0 0 RAW SEW/INFLUENT		654 (9)	*****	(26)	*****	170 (10)	*****	(19)			
		PERMIT REQUIREMENT		LBS/DY		MD AVG		MG/L			
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE		743 (11)	848 (12)	(26)	*****	19 (13)	22 (14)	(19)			
		PERMIT REQUIREMENT		LBS/DY		MD AVG		MG/L			
NITROGEN, AMMONIA TOTAL (AS N) 00610 1 0 0 EFFLUENT GROSS VALUE		*****	*****		*****	*****	*****	(19)			
		PERMIT REQUIREMENT		***			**	MG/L			
NITROGEN, NITRITE TOTAL (AS N) 00615 1 0 0 EFFLUENT GROSS VALUE		*****	*****		*****	*****	*****	(19)			
		PERMIT REQUIREMENT		***			**	MG/L			

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	TELEPHONE		DATE		
		TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

** Report on June & Dec. DMRS

C 509

ADDRESS P.O. BOX 339500
 PUBLIC WORKS, AFZH-PWU-R, M/S-17
 FORT LEWIS WA 98433-9500
 FACILITY DEFENSE, ARMY
 LOCATION FORT LEWIS WA 98433-9500 FROM
 ATTN: [REDACTED]

WA0021554
 PERMIT NUMBER

001 A
 DISCHARGE NUMBER

(SUBR 03)
 F - FINAL
 WASTEWATER FACILITY SOLO POINT

G60

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
00	03	01		00	03	31

*** NO DISCHARGE 1 1 ***
 NOTE: Read instructions before completing this form.

PARAMETER	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
HYDROCARBONS, PETROLEUM 82180 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	*****	* *	(19)			
	PERMIT REQUIREMENT			***				MG/L			
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	TELEPHONE		DATE		
		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

* * Per [REDACTED] not Reported with E/E Report

NAME DEFENSE, ARMY
 ADDRESS P.O. BOX 399500
 PUBLIC WORKS, AFZH-PMU-R, M/S-17
 FORT LEWIS WA 98433-9500
 FACILITY DEFENSE, ARMY
 LOCATION FORT LEWIS WA 98433-9500
 ATTENTION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)

WA00021954
 PERMIT NUMBER

001 B
 DISCHARGE NUMBER

MONITORING PERIOD						
YEAR	MO	DAY	YEAR	MO	DAY	
2006	04	01	TO	06	04	30

MAJOR (SUBR 03)
 F - FINAL
 WASTEWATER FACILITY SOLID POINT

*** NO DISCHARGE 1001 ***
 NOTE: Read instructions before completing this form.

G 602

PARAMETER	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
000310 5-DAY (20 DEG. C) RAW SEW/INFLUENT	SAMPLE MEASUREMENT	4363	*****	(26)	*****	140	*****	(19)			
	PERMIT REQUIREMENT			LBS/DY				MG/L			
000310 5-DAY (20 DEG. C) EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	465	530	(26)	*****	15	17	(19)			
	PERMIT REQUIREMENT			LBS/DY				MG/L			
000400 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		5.9		6.9	(12)			
	PERMIT REQUIREMENT			***				BU			
000530 5-DAY (20 DEG. C) RAW SEW/INFLUENT	SAMPLE MEASUREMENT	6307	*****	(26)	*****	202	*****	(19)			
	PERMIT REQUIREMENT			LBS/DY				MG/L			
000530 5-DAY (20 DEG. C) EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	673	748	(26)	*****	22	24	(19)			
	PERMIT REQUIREMENT			LBS/DY				MG/L			
000610 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****			(19)			
	PERMIT REQUIREMENT			***			**	MG/L			
000615 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****			(15)			
	PERMIT REQUIREMENT			***			**	MG/L			

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	TELEPHONE		DATE		
		TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

Report on June & Dec DMRS

NAME DEFENSE, ARMY
 ADDRESS P.O. BOX 339500
 PUBLIC WORKS, AFZH-PWU-R, M/S-17
 FORT LENIS WA 98433-9500
 FACILITY DEFENSE, ARMY
 LOCATION FORT LENIS WA 98433-9500
 ATTN: [REDACTED]

DISCHARGE MONITORING REPORT (DMR)

MAJOR (SUBR 03)
 F - FINAL
 WASTEWATER FACILITY SOLO POINT

WA0021954
 PERMIT NUMBER 001 A
 DISCHARGE NUMBER

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
00	04	01		00	04	01

*** NO DISCHARGE 1 1 ***
 NOTE: Read instructions before completing this form.

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
NITROGEN, NITRATE TOTAL (AS N)		*****	*****		*****	*****		(19)			
00620 1 0 0	PERMIT REQUIREMENT			***							
EFFLUENT GROSS VALUE				****				MG/L			
NITROGEN, Kjeldahl TOTAL (AS N)		*****	*****		*****	*****		(19)			
00625 1 0 0	PERMIT REQUIREMENT			***							
EFFLUENT GROSS VALUE				****				MG/L			
FECAL COLIFORM, MPN, EC MED, 44.5C		*****	*****		*****	*****		(13)			
31615 1 0 0	PERMIT REQUIREMENT			***							
EFFLUENT GROSS VALUE				****				100ML			
FLOW, IN CONDUIT OR THRU TREATMENT PLANT		3.7		(03)	*****	*****					
30050 1 0 0	PERMIT REQUIREMENT			***							
EFFLUENT GROSS VALUE				****							
CHLORINE, TOTAL RESIDUAL		*****	*****		*****	*****		(19)			
50060 1 0 0	PERMIT REQUIREMENT			***							
EFFLUENT GROSS VALUE				****				MG/L			
500 5-DAY PERCENT REMOVAL		*****	*****		89	*****		(23)			
31010 K 0 0	PERMIT REQUIREMENT			***							
PERCENT REMOVAL				****				PER-CENT			
SOLIDS, SUSPENDED PERCENT REMOVAL		*****	*****		89	*****		(23)			
31011 K 0 0	PERMIT REQUIREMENT			***							
PERCENT REMOVAL				****				PER-CENT			

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	TELEPHONE		DATE		
		TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR

REMARKS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 * * * Report 2 on June & Dec. DMR's

G 603

NAME DEFENSE ARMY
 ADDRESS P.O. BOX 339500
 PUBLIC WORKS, AFZH-PWU-R, M/S-17
 FORT LEWIS WA 98433-9500
 FACILITY DEFENSE ARMY
 LOCATION FORT LEWIS WA 98433-9500
 ATTN: [REDACTED]

WA0021954
 PERMIT NUMBER

001 A
 DISCHARGE NUMBER

BOOK (GUBR 03)
 F - FINAL
 WASTEWATER FACILITY SOLD POINT

G 604

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
06	04	01		06	04	30

*** NO DISCHARGE 1 1 ***
 NOTE: Read instructions before completing this form.

PARAMETER	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
HYDROCARBONS, PETROLEUM B2180 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	*****	**	(19)			
	PERMIT REQUIREMENT			***				MG/L			
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 TYPED OR PRINTED

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
AREA CODE	NUMBER	YEAR	MO	DAY

REMARKS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

Permit Reported with I/I Rep

ADDRESS P.O. BOX 339500
 PUBLIC WORKS, AFZM-PWU-R, M/S-17
 FORT LEWIS WA 98433-9500
 FACILITY DEFENSE, ARMY
 LOCATION FORT LEWIS WA 98433-9500
 ATTN: [REDACTED]

WA0021954
 PERMIT NUMBER

001 A
 DISCHARGE NUMBER

(SUBR 03)
 F - FINAL
 WASTEWATER FACILITY SOLO PO:

G 605

MONITORING PERIOD						
YEAR	MO.	DAY	TO	YEAR	MO.	DAY
2006	05	31		2006	05	31

*** NO DISCHARGE [] ***

NOTE: Read instructions before completing this form.

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
BOD, 5-DAY (20 DEG. C) 00310 6 0 0 RAW SEW/INFLUENT	4917	*****	(26)	*****	172	*****	(19)	Ø			
	PERMIT REQUIREMENT	*****	*****	LBS/DY	*****	*****	*****				
BOD, 5-DAY (20 DEG. C) 00310 1 0 0 EFFLUENT GROSS VALUE	449	486	(26)	*****	16	17	(19)	Ø			
	PERMIT REQUIREMENT	*****	*****	LBS/DY	*****	*****	*****				
PH 00400 1 0 0 EFFLUENT GROSS VALUE	*****	*****	*****	***	5.4	6.4	(12)	Ø			
	PERMIT REQUIREMENT	*****	*****	***	MINIMUM	MAXIMUM	*****				
SOLIDS, TOTAL SUSPENDED 00530 6 0 0 RAW SEW/INFLUENT	7027	*****	(26)	*****	246	*****	(19)	Ø			
	PERMIT REQUIREMENT	*****	*****	LBS/DY	*****	*****	*****				
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	526	686	(36)	*****	18	24	(19)	Ø			
	PERMIT REQUIREMENT	*****	*****	LBS/DY	*****	*****	*****				
NITROGEN, AMMONIA TOTAL (AS N) 00610 1 0 0 EFFLUENT GROSS VALUE	*****	*****	*****	***	*****	*****	(19)	Ø			
	PERMIT REQUIREMENT	*****	*****	***	*****	*****	*****				
NITROGEN, NITRITE TOTAL (AS N) 00615 1 0 0 EFFLUENT GROSS VALUE	*****	*****	*****	***	*****	*****	(19)	Ø			
	PERMIT REQUIREMENT	*****	*****	***	*****	*****	*****				

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 TYPED OR PRINTED

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE DATE
 AREA CODE NUMBER YEAR MO DA

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 ** Report in June & Dec DMRS
 ** oil + chemicals detected in plant effluent - effecting roughing filter feeds
 Brombleum Co - deted - PH increased

NAME DEFENSE, ARMY
 ADDRESS P.O. BOX 339500
 PUBLIC WORKS, AFZH-PWU-R, M/S-17
 FORT LEWIS WA 98433-9500
 FACILITY DEFENSE, ARMY
 LOCATION FORT LEWIS WA 98433-9500
 ATTN [REDACTED]

DISCHARGE MONITORING REPORT (DMR)

WA0021954 PERMIT NUMBER
 001 B DISCHARGE NUMBER

MAJOR (SUBR. 03)
 F - FINAL
 WASTEWATER FACILITY SOLC POIN

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
06	05	01		06	05	31

*** NO DISCHARGE ***
 NOTE: Read instructions before completing this form.

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
NITROGEN, NITRATE TOTAL (AS N) 00620 1 0 0 EFFLUENT GROSS VALUE	*****	*****	***	***	*****	*****	**	(19)	0		
	PERMIT REQUIREMENT	*****	*****	***	*****	*****	(REQUIREMENT)	MG/L			
NITROGEN, NITROGEN TOTAL (AS N) 00625 1 0 0 EFFLUENT GROSS VALUE	*****	*****	***	***	*****	*****	**	(19)	0		
	PERMIT REQUIREMENT	*****	*****	***	*****	*****	(REQUIREMENT)	MG/L			
FECAL COLIFORM, MPN, ES. MED, 44.5C 31615 1 0 0 EFFLUENT GROSS VALUE	*****	*****	***	***	*****	16	35	(13)	0		
	PERMIT REQUIREMENT	*****	*****	***	*****	200	400	100ML			
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	*****	*****	(03)	***	*****	*****	*****	***	0		
	PERMIT REQUIREMENT	*****	*****	***	*****	*****	*****	***			
CHLORINE, TOTAL RESIDUAL 50060 1 0 0 EFFLUENT GROSS VALUE	*****	*****	***	***	*****	*****	0.17	(19)	0		
	PERMIT REQUIREMENT	*****	*****	***	*****	*****	(REQUIREMENT)	MG/L			
BOD, 5-DAY PERCENT REMOVAL 01010 K 0 0 PERCENT REMOVAL	*****	*****	***	***	91	*****	*****	(23)	0		
	PERMIT REQUIREMENT	*****	*****	***	MIN. % RMV	*****	*****	PERCENT			
SOLIDS, SUSPENDED PERCENT REMOVAL 01011 K 0 0 PERCENT REMOVAL	*****	*****	***	***	92	*****	*****	(23)	0		
	PERMIT REQUIREMENT	*****	*****	***	MIN. % RMV	*****	*****	PERCENT			

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	TELEPHONE		DATE		
		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

*** Report - June + Dec DMR's*

ADDRESS P.O. BOX 339500
 PUBLIC WORKS, AFZH-PRU-R, M/5-17
 FORT LEWIS WA 98433-9500
 FACILITY DEFENSE, ARMY
 LOCATION FORT LEWIS WA 98433-9500
 ATTN: [REDACTED]

WA0021954
 PERMIT NUMBER

001 A
 DISCHARGE NUMBER

(SUBR 03)
 F - FINAL
 WASTEWATER FACILITY SOLO POIN

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
00	00	01		00	00	01

*** NO DISCHARGE [] ***
 NOTE: Read instructions before completing this form.

PARAMETER	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
HYDROCARBONS, PETROLEUM	SAMPLE MEASUREMENT	*****	*****		*****	*****		(19)			
32150 1 0 0	PERMIT REQUIREMENT			***							
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT			***				MG/L			
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
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	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	TELEPHONE		DATE		
		TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 *** Permit Reported with I/I Report

ADDRESS: P.O. BOX 309500
 PUBLIC WORKS, AFZH-PWD-R, A/S-13
 FORT LEWIS WA 98433-9500
 FACILITY: DEFENSE, ARMY
 LOCATION: FORT LEWIS WA 98433-9500
 ATTN:

DISCHARGE MONITORING REPORT (DMM)
 MHW021374
 PERMIT NUMBER
 MONITORING PERIOD
 YEAR MO DAY TO YEAR MO DAY
 DISCHARGE NUMBER

MAJOR (SUDR 03)
 P - FINAL
 WASTEWATER FACILITY SOLD P&I
 *** NO DISCHARGE ***
 NOTE: Read instructions before completing this form.

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
RETURNING WASTE	SAMPLE MEASUREMENT									
TOTAL (AS N)	PERMIT REQUIREMENT									
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT									
TOTAL (AS N)	PERMIT REQUIREMENT									
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT									
TOTAL (AS N)	PERMIT REQUIREMENT									
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT									
TOTAL (AS CR)	PERMIT REQUIREMENT									
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT									
TOTAL (AS CU)	PERMIT REQUIREMENT									
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT									
TOTAL (AS PB)	PERMIT REQUIREMENT									
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT									
TOTAL (AS MD)	PERMIT REQUIREMENT									
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT									
TOTAL (AS NT)	PERMIT REQUIREMENT									
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT									
TOTAL	PERMIT REQUIREMENT									

I hereby certify that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, and comparing, authorized to, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE NUMBER DATE YEAR MO DAY

TYPED OR PRINTED COMMENTS AND EXPLANATION OF ANY VIOLATIONS (reference all attachments here)

MD - Not attached

NAME: DEFENSE, ARMY
 ADDRESS: P.O. BOX 55550
 PUBLIC WORKS, AF24-PWU-R, M/S-17
 FORT LEWIS WA 98433-9500
 FACILITY: DEFENSE, ARMY
 LOCATION: FORT LEWIS WA 98433-9500
 ATTN: [REDACTED]

NATIONAL POLLUTANT DISCHARGE MONITORING REPORT (DMRI)

OMB No. 2040-00

NA0021954
 PERMIT NUMBER
 001 A
 DISCHARGE NUMBER

MAJOR (SUBR 03)
 F - FINAL
 WASTEWATER FACILITY SOLD POINT

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
06	06	01		06	06	30

*** NO DISCHARGE 1...1 ***
 NOTE: Read instructions before completing this form.

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
CHLORIDE, TOTAL (AS IN)	*****	*****	*****	*****	*****	*****	φ. φ 62	(13)	0		
1092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	***	*****	*****	REPORT INST MAX	MG/L		SEMI-ANNUAL	
SELENIUM, TOTAL (AS SE)	*****	*****	*****	*****	*****	*****	ND *	(19)	0		
1147 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	***	*****	*****	REPORT INST MAX	MG/L		SEMI-ANNUAL	
ECHLOROTRIPYRIFENOL METHYL, 44.5% (C MED, 44.5%)	*****	*****	*****	*****	*****	*****	22 55	(13)	0		
1615 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	***	*****	*****	300 NO GEO 400 WRLY GEO	/ 100ML		DAILY	GROUND
LEAD, IN COMPLET OR MED TREATMENT PLANT	*****	*****	*****	(03)	*****	*****	*****	*****	0		
0050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	7.0	*****	MG/L	*****	*****	*****	***		SEMI-ANNUAL	GROUND
CHLORINE, TOTAL RESIDUAL	*****	*****	*****	*****	*****	*****	φ. 21	(19)	0		
0060 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	***	*****	*****	DAILY MX	MG/L		DAILY	GROUND
MERCURY, TOTAL (AS HG)	*****	*****	*****	*****	*****	*****	ND *	(19)	0		
1900 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	***	*****	*****	REPORT INST MAX	MG/L		SEMI-ANNUAL	GROUND
60, 5-DAY PERCENT REMOVAL	*****	*****	*****	*****	*****	*****	87	(25)	0		
1010 1 0 0 PERCENT REMOVAL	PERMIT REQUIREMENT	*****	*****	***	50	*****	*****	PER-CENT		MONTH	GROUND

NAME/TITLE: PRINCIPAL EXECUTIVE OFFICER

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: [REDACTED]
 DATE: [REDACTED]
 AREA CODE: [REDACTED] NUMBER: [REDACTED] YEAR: [REDACTED] MO: [REDACTED] DAY: [REDACTED]

TYPED OR PRINTED

ATTACHMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

ND - Not detected

C 610

Anatek Labs, Inc.

1262 Abbas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com
504 E Sprague Sta. O • Spokane WA 99202 • (509) 858-9999 • Fax (509) 838-4433 • email spokane@anateklabs.com

FORT LEWIS

[REDACTED]
AFZH-AWE, MS-17, BOX 339500
FORT LEWIS, WA 98433

PROJECT: WWTP

Certificate of Analysis

Petroleum -NWTPH-D Extended by GC/FID (8015 modified)

Sample Name:	WW-2006021-TPHDX	Analyte	Result	Units	PQL
Sample Location:		Diesel	0.78	mg/l	0.1
Sampling Date:	6/21/2006	Lube Oil	2.01	mg/L	0.5
Sampling Time:	12:35				
Date Received:	6/22/2006	NWTPH-D Surrogate (Hexacosane) Percent Recovery			85.4
Extraction Date:	6/23/2006	Surrogate Acceptance Range: 50-150			
Lab #:	06X2024-01	Comments:			
Matrix:	WASTE WATER				
Analysis Date (NWTPH-D):	6/26/2006				
Analyst:	SAT				

Lab Supervisor: [REDACTED]

Report Date:

05 Jul 06

*Eff Results Cont
Hydrocarbons*

Anatek Labs, Inc.

1282 Atturas Drive - Moscow, ID 83843 • (208) 882-2532 • Fax (208) 882-0246 • email service@anatelabs.com
504 E Sprague St. O - Spokane WA 99202 • (509) 838-3633 • Fax (509) 838-4433 • email spokane@anatelabs.com

FORT LEWIS

██████████
AF2H-AWE, MS-17, BOX 039500
FORT LEWIS, WA 98433

Project: WWTP
Report Date: 22 Jun-06

Certificate of Analysis

Sample Name: WWA2006057 Date Received: 6/22/06
Sample Location: Sampling Date: 6/22/06
Lab Sample Number: 06X1615 01 Sampling Filter: 9.51
Matrix: WASTE WATER

Parameter	Result	Unit	Method	Reference
TSS	14.4	mg/L	81	212.200
Ammonia	71.6	mg/L	81	6.2000
Chloride	0.8	mg/L	81	0.7000

*Eff. sent to General Results Unit
for June*

Approved By: ██████████

Jun 22 06 09:11a

The Analytical Experts

(206) 882-0246

P. 2

Anatek Labs, Inc.

1287 Allison Drive • Moscow, ID 83843 • (206) 882-2412 • Fax (206) 882-0246 • email: info@anatelabs.com
504 E. Sprague Ste. D • Spokane WA 99207 • (509) 325-8898 • Fax (509) 325-4433 • email: spokane@anatelabs.com

FORT LEWIS



AFZHAWE, MS-17, BOX 339500
FORT LEWIS, WA 98433

Project: WWTP

Certificate of Analysis Total Metals - Method EPA 8220/700.8

Sample Name:	WW-2005007	Analyte	Result	Units	PQL	Method
Sample Location:		Arsenic	ND	mg/L	0.001	EPA 200.8
Sampling Date:	6/7/2006	Cadmium	ND	mg/L	0.001	EPA 200.8
Sampling Time:	8:32	Chromium	ND	mg/L	0.007	EPA 200.8
Data Received:	6/12/06	Copper	0.029	mg/L	0.051	EPA 200.8
Lab #:	20X1816-01	Lead	0.023	mg/L	0.001	EPA 200.8
Matrix:	WASTH WATER	Mercury	ND	mg/L	0.0001	EPA 245.2
Analytic Date:	6/13/2006	Nickel	0.027	mg/L	0.001	EPA 200.8
Analyst:	ETI	Nickel	0.022	mg/L	0.001	EPA 200.8
		Selenium	ND	mg/L	0.001	EPA 200.8
		Zinc	0.052	mg/L	0.001	EPA 200.8

Lab Supervisor:



Printed Date:

22 Jun 06

ND: Not Detected

PQL: Federal Concentration Limit

Exceeds Standard

Page 1 of 1

Anatek Labs, Inc.

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804 E Sprague St. • Spokane WA 99202 • (509) 838-2899 • Fax (509) 838-4433 • email spokane@anateklabs.com

FORT LEWIS

[REDACTED]
AFZH AWE, MS-17, BOX 339500
FORT LEWIS, WA 98433

Project: WWTP

Report Date: 01-Aug-08

Certificate of Analysis

Sample Name: WW-2008-0718
Sample Location:
Lab Sample Number: 08X2356-01

Date Received: 7/20/2008
Sampling Date: 7/18/2008
Sampling Time: 10:20
Matrix: WASTE WATER

MSO-N	4.44	mg/L	0.05	7/31/2008	JTT	8045004136
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Off Results Monthly Cross

Approved by: [REDACTED]

ND Not Detected

PQL Practical Quantitation Limit

Sol/solid results are dry weight basis

Page 1 of 1

PERMIT NO. 08-100-3500 FROM 2006 08 07 TO 2006 08 31
 PERMIT NUMBER [] DISBURSE NUMBER []
 MONITORING PERIOD
 FACILITY DEFENSE BARR
 LOCATION FOR TESTS
 ATTN: [REDACTED]
 *** NO DISCHARGE ***
 NOTE: Read instructions before completing this form.

PARAMETER	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQ. OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
0010 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	3887								
0010 0 0 0 PERM GEM/ANALYST	PERMIT REQUIREMENT	MD AVG								
0010 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	326	418							
0010 0 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	MD AVG								
0010 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	5797	371							
0010 0 0 0 PERM GEM/ANALYST	PERMIT REQUIREMENT	MD AVG								
0010 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	237	252							
0010 0 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	MD AVG								
0010 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	18	16							
0010 0 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	MD AVG								

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT
 AREA CODE NUMBER YEAR MO DAY
 DATE
 TYPED OR PRINTED
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT
 AREA CODE NUMBER YEAR MO DAY
 DATE
 EPA Form 3320-1 (Rev. 11/99) Previous editions may be used.

Address: P.O. Box 50650
 Public Works, AF28-PWD-F, M.S. 17
 Fort Lewis WA 98433-9500
 Location: Fort Lewis WA 98433-9500 FROM

WAC 21954
 PERMIT NUMBER

DISCHARGE NUMBER

MONITORING PERIOD
 YEAR MO DAY TO YEAR MO DAY
 VD VD VI

(SUBP C3)
 F - FINAL
 METER WATER FACILITY SOLD NO.

*** NO DISCHARGE ***

NOTE: Read instructions before completing this form.

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			UNITS	NO. OF ANALYSIS	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
NITROGEN, NITRATE	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	(10)	0		
TOTAL (AS N)	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	MG/L	0		
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	MG/L	0		
TOTAL (AS N)	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	MG/L	0		
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	MG/L	0		
TECHN. COLIFORM, WITH ES AND 44.55	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	MPN/100ML	0		
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	MPN/100ML	0		
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	MPN/100ML	0		
THRU TREATMENT PLANT	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	MPN/100ML	0		
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	MPN/100ML	0		
CHLORINE, TOTAL	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	MG/L	0		
RESIDUAL	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	MG/L	0		
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	MG/L	0		
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	MG/L	0		
REMOVAL	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	PERCENT	0		
3.010 R 0 0	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	PERCENT	0		
PERCENT REMOVAL	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	PERCENT	0		
PERCENT REMOVAL	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	PERCENT	0		
01011 K 0 0	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	PERCENT	0		
PERCENT REMOVAL	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	PERCENT	0		

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

TELEPHONE

DATE

TYPED OR PRINTED

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

AREA NUMBER

YEAR

MO

DAY

Report on June 1 Dec DMKs

IPV Form 3320-1 (1)

vious editions may be used.

20036, City of 4-part form.

20

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504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

FORT LEWIS


AFZH-PWE, MS-17, BOX 339500
FORT LEWIS, WA 98433

PROJECT: WWTP - EFFLUENT
Report Date: 10-Aug-06

Certificate of Analysis

Petroleum -NWTPH-D Extended by GC/FID (8015 modified)

Sample Name:	WW-2006-0802	Analyte	Result	Units	PQL
Sample Location:		Diesel	ND	mg/L	0.1
Sampling Date:	8/2/2006	Lube Oil	0.65	mg/L	0.5
Sampling Time:	9:44				
Date Received:	8/3/2006				
Extraction Date:	8/7/2006	NWTPH-D Surrogate (Hexacosane) Percent Recovery			80.3
Lab #:	06X2513-01	Surrogate Acceptance Range: 50-150			
Matrix:	WASTE WATER	Comments:			
Analysis Date NWTPH-D:	8/10/2006				
Analyst:	SAT				

Eff Monthly Results
First started w/ Eff only grab went to Inf + Eff Comp in Sept 2006

Approved by: 

ND Not Detected

PQL Practical Quantitation Limit

NWTPH-D Report

Page 1 of 1

G 622

PUBLIC WORKS, AF2H-PMU-6, M/S-17
 PORT LEWIS
 FACILITY DEFENSE, ARMY
 LOCATION: PORT LEWIS
 ATTN: [REDACTED]

PERMIT NUMBER: [REDACTED]
 DISCHARGE NUMBER: [REDACTED]
 MONITORING PERIOD:
 YEAR: 2006, MO: 09, DAY: 07 TO YEAR: 2006, MO: 09, DAY: 30

(SUBR 03)
 F - FINAL
 HASTENATED FACILITY SOLD PD
 *** NO DISCHARGE ***
 NOTE: Read instructions before completing this form

PARAMETER	X	QUANTITY OR LOADING				QUALITY OR CONCENTRATION				NO. OF ANALYSIS	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS				
0001 (20 DEG. C) SAMPLE MEASUREMENT		346		(20)		151		(19)				
0002 (20 DEG. C) PERMIT REQUIREMENT		NO REPORT				REPORT						
0003 (20 DEG. C) SAMPLE MEASUREMENT		339		(20)		15		(19)				
0004 (20 DEG. C) PERMIT REQUIREMENT		NO HVD				NO AVG						
0005 (20 DEG. C) SAMPLE MEASUREMENT					6.3							
0006 (20 DEG. C) PERMIT REQUIREMENT		REPORT				221						
0007 (20 DEG. C) SAMPLE MEASUREMENT		255		(20)		11		(19)				
0008 (20 DEG. C) PERMIT REQUIREMENT		NO AVG				NO AVG						
0009 (20 DEG. C) SAMPLE MEASUREMENT						13						
0010 (20 DEG. C) PERMIT REQUIREMENT												
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0099 (20 DEG. C) SAMPLE MEASUREMENT												
0100 (20 DEG. C) PERMIT REQUIREMENT												

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE

DATE

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

1. I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for knowingly falsifying information, including the possibility of fines and imprisonment for knowing violations.

YEAR CODE

DATE

NAME: [REDACTED] UNIT: [REDACTED]
 ADDRESS: P.O. BOX 30950
 PUBLIC WORKS, AFZH-PWD-R, M/S-17
 FORT LEWIS, AR 70433-9500
 FACILITY DEFENSE, ARMY
 LOCATION FORT LEWIS, AR 70433-3500 FROM NA 50433-3500 FROM

REGISTRY NO. 1354
 PERMIT NUMBER [REDACTED]

DISCHARGE NUMBER [REDACTED]
 MONITORING PERIOD
 YEAR MO DAY TO YEAR MO DAY

GROUP (SUB 00)
 F - FINAL
 WASTEWATER FACILITY GOLD PD
 *** NO DISCHARGE ***
 NOTE: Read instructions before completing this form.

PARAMETER	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPL TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
WITKINEN, NITRATE	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	*****	*****	*****
TOTAL (AS N)	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	*****	*****	*****
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	*****	*****	*****
TOTAL (AS N)	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	*****	*****	*****
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	*****	*****	*****
PERCENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	*****	*****	*****
EC RED, 44.50	MEASUREMENT	*****	*****	*****	*****	*****	*****	*****	*****	*****
21615 1 0 0	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	*****	*****	*****
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	*****	*****	*****
THREE TREATMENT PLANT	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	*****	*****	*****
30050 1 0 0	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	*****	*****	*****
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	*****	*****	*****
CHEMTRIC, TOTAL	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	*****	*****	*****
RESIDUAL	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	*****	*****	*****
30060 1 0 0	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	*****	*****	*****
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	*****	*****	*****
DEE, 5 DAY EFFLUENT	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	*****	*****	*****
REMOVAL	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	*****	*****	*****
51010 K 0 0	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	*****	*****	*****
PERCENT REMOVAL	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	*****	*****	*****
PERCENT REMOVAL	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	*****	*****	*****
81011 K 0 0	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	*****	*****	*****
PERCENT REMOVAL	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	*****	*****	*****

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted by, to the best of my knowledge and belief, is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE [REDACTED] DATE [REDACTED]
 YEAR MO DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 *** Rep. [Signature] [Signature] Dec-2005

DEFENSE: ARMY
 GROSS P.O. BOX 200000
 PUBLIC WORKS, AFTH PROJ-R, N.O.-17
 FORT LEWIS
 ARMY DEFENSE, ARMY
 FORT LEWIS WA 98433-9500
 WASHINGTON LEWIS

WA 98433-9500FNON

PERMIT NUMBER	001
DISCHARGE NUMBER	001
MONITORING PERIOD	YEAR 06 MO 03 DAY 01 TO YEAR 06 MO 03 DAY 30

NO. 001
 (SUBR 03)
 F - FINAL
 MASTER WATER FACILITY SOLD POINT
 *** NO DISCHARGE ***
 NOTE: Read instructions before completing this form.

PARAMETER	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
HYDROCARBONS, PETROLEUM	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	(10)	0	MONTHLY	WATER
FLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	MG/L			
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE DATE

REQUIREMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

AREA CODE NUMBER YEAR MO DAY

Analysis of NP and for Sept 2006 to monitor Influent (Dowel ND)
have followed IT against Luboil 2.2
have followed IT against Luboil 2.2
 WA 98433-9500FNON

Anatek Labs, Inc.

1282 Alturas Drive • Moscow, ID 83843 • (208) 853-2939 • Fax (208) 852-9246 • email moscow@anateklabs.com
504 E Sprague Ste. D • Spokane WA 99202 • (509) 836-3889 • Fax (509) 836-4433 • email spokane@anateklabs.com

FORT LEWIS


AFZH-PWE, MS-17, BOX 339500
FORT LEWIS, WA 98433

PROJECT: WWTP INFLUENT/EFF
Report Date: 26-Sep-06

Certificate of Analysis

Petroleum - NWTPH-D Extended by GC/FID (8015 modified)

Sample Name:	WWE-2006-0911	Analyte	Result	Units	PQL
Sample Location:		Diesel	ND	mg/L	0.1
Sampling Date:	9/11/2006	Lube Oil	ND	mg/L	0.5
Sampling Time:	9:00				
Date Received:	9/13/2006				
Extraction Date:	9/21/2006	NWTPH-D Surrogate (Hexacosane) Percent Recovery			60.4
Lab #:	06X3028-01	Surrogate Acceptance Range: 50-150			
Matrix:	WASTE WATER	Comments:			
Analysis Date NWTPH-D:	9/26/2006				
Analyst:	SAT				

Sample Name:	WWI-2006-0911	Analyte	Result	Units	PQL
Sample Location:		Diesel	ND	mg/L	0.1
Sampling Date:	9/11/2006	Lube Oil	2.20	mg/L	0.5
Sampling Time:	9:00				
Date Received:	9/13/2006				
Extraction Date:	9/21/2006	NWTPH-D Surrogate (Hexacosane) Percent Recovery			60.5
Lab #:	06X3028-02	Surrogate Acceptance Range: 50-150			
Matrix:	WASTE WATER	Comments:			
Analysis Date NWTPH-D:	9/27/2006				
Analyst:	SAT				

Eff + Jg Monthly Results

Approved by: 

ND Not Detected

PQL Practical Quantitation Limit

NWTPH-D Report

Page 1 of 1

G 633

Anatek Labs, Inc.

1282 Alturas Drive • Moscow, ID 83843 • (208) 833-2839 • Fax (208) 882-9248 • email moscow@anateklabs.com
 504 E Sprague Ste. D • Spokane WA 99202 • (509) 835-3999 • Fax (509) 835-4433 • email spokane@anateklabs.com

FORT LEWIS

AFZH-PWE, MS-17, BOX 339500
 FORT LEWIS, WA 98433

Project: WWTP INFLUENT/EFF
 Report Date: 28-Sep-06

Certificate of Analysis Gasoline - TPH-Gx (EPA 8015Bmod)

Sample Name: WWE-2006-0911
 Sample Location:
 Sampling Date: 9/11/2006
 Sampling Time: 9:00
 Date Received: 9/13/2006
 Lab #: 06X3028-03
 Matrix: WASTE WATER
 Analysis Date: 9/14/2006

Analyte	Result	Units	PQL	Method
gasoline	ND	mg/L	0.10	EPA 8015Bmod

Surrogate Standard	% Recovery
1,2-Dichlorobenzene-d4 %R	109.6
4-Bromofluorobenzene %R	91.6
Toluene-d8 %R	88.8

%R AR 70-130

Sample Name: WWI-2005-0911
 Sample Location:
 Sampling Date: 9/11/2006
 Sampling Time: 9:00
 Date Received: 9/13/2006
 Lab #: 06X3028-04
 Matrix: WASTE WATER
 Analysis Date: 9/14/2006

Analyte	Result	Units	PQL	Method
gasoline	ND	mg/L	0.10	EPA 8015Bmod

Surrogate Standard	% Recovery
1,2-Dichlorobenzene-d4 %R	57.8
4-Bromofluorobenzene %R	63.7
Toluene-d8 %R	57.3

%R AR 70-130

Approved by: 

ND Not Detected PQL Practical Quantitation Limit

BTEXG Report Page 1 of 1

DEFENSE, ARMY
 P.O. BOX 332500
 PUBLIC WORKS, AFZH-PWU-R, H/S-17
 FORT LEWIS WA 98433-9500
 DEFENSE, ARMY
 FORT LEWIS WA 98433-9500

DISCHARGE MONITORING REPORT (DMR)

WA0021954
 PERMIT NUMBER

001 A
 DISCHARGE NUMBER

HAZOP
 (SUBR 03)
 F - FINAL
 WASTEWATER FACILITY SILEO POINT

MONITORING PERIOD						
YEAR	MO.	DAY	TO	YEAR	MO.	DAY
2006	18	01		2006	18	31

*** NO DISCHARGE 1 1 ***
 NOTE: Read instructions before completing this form.

PARAMETER	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
2, 5-DRY (20 DEG. C) S10 6 0 0 N SEM/INFLUENT		SAMPLE MEASUREMENT 4456	*****	(26)	*****	186	*****	(19)	Ø		
		PERMIT REQUIREMENT NO AVG	*****	LBS/DY	*****	REPORT NO AVG	*****	MG/L			
2, 5-DRY (20 DEG. C) S10 1 0 0 FLUENT GROSS VALUE		SAMPLE MEASUREMENT 452	600	(26)	*****	19	25	(19)	Ø		
		PERMIT REQUIREMENT NO AVG	WEEKLY AVG	LBS/DY	*****	NO AVG	WEEKLY AVG	MG/L			
400 1 0 0 FLUENT GROSS VALUE		SAMPLE MEASUREMENT			6.4		7.2	(12)	Ø		
		PERMIT REQUIREMENT		***	MINIMUM		MAXIMUM	SU			
1500, TOTAL SPENDED S30 6 0 0 N SEM/INFLUENT		SAMPLE MEASUREMENT 5379		(26)	*****	224		(19)	Ø		
		PERMIT REQUIREMENT NO AVG		LBS/DY	*****	REPORT NO AVG		MG/L			
1500, TOTAL SPENDED S30 1 0 0 FLUENT GROSS VALUE		SAMPLE MEASUREMENT 304	360	(26)	*****	13	15	(19)	Ø		
		PERMIT REQUIREMENT NO AVG	WEEKLY AVG	LBS/DY	*****	NO AVG	WEEKLY AVG	MG/L			
TROBEN, AMMONIA TOTAL (AS N) S10 1 0 0 FLUENT GROSS VALUE		SAMPLE MEASUREMENT			*****		**	(19)	Ø		
		PERMIT REQUIREMENT		***	*****		REPORT	MG/L			
TROBEN, NITRITE TOTAL (AS N) S15 1 0 0 FLUENT GROSS VALUE		SAMPLE MEASUREMENT			*****		**	(19)	Ø		
		PERMIT REQUIREMENT		***	*****		REPORT	MG/L			

TITLE PRINCIPAL EXECUTIVE OFFICER

TYPED OR PRINTED

STATE AND EXPLAIN N OF ANY VIOLATIONS (Reference all attachments here)

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE

DATE

AREA CODE NUMBER YEAR DAY

Reported re Dec DMRS

G 635

NAME DEFENSE, ARMY
 ADDRESS P.O. BOX 303500
 PUBLIC WORKS, AFZK-PWU-R, M/S-17
 FORT LEWIS WA 98433-9500
 CITY DEFENSE, ARMY
 LOCATION FORT LEWIS WA 98433-9500 FROM
 PHONE [REDACTED]

DISCHARGE MONITORING REPORT (DMR)

WA0021954
 PERMIT NUMBER
 001 A
 DISCHARGE NUMBER

MAJOR (SUBR 03)
 F - FINAL
 WASTEWATER FACILITY SOLO POINT

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
06	10	01		06	10	31

*** NO DISCHARGE [] ***

NOTE: Read instructions before completing this form.

G 636

PARAMETER	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
NITROGEN, NITRATE DTAL (AS R) 0620 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	*****	***	(13)	Ø		
	PERMIT REQUIREMENT	*****	*****	***	*****	*****	REPORT	MG/L			
NITROGEN, NITRATE DTAL (AS R) 0625 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	*****	**	(13)	Ø		
	PERMIT REQUIREMENT	*****	*****	***	*****	*****	REPORT	MG/L			
ECOL COLIFORM, MPR, C MED, 44.5C 1615 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	6	9	(13)	Ø		
	PERMIT REQUIREMENT	*****	*****	***	*****	NO GEO	NO GEO	100KL			
CONDUCTIVITY 4RU TREATMENT PLANT 0050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	2.9		(03)	*****	*****	*****		Ø		
	PERMIT REQUIREMENT	NO AVG		MGD	*****	*****	*****	***			
CHLORINE, TOTAL RESIDUAL 0060 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	*****	0.34	(13)	Ø		
	PERMIT REQUIREMENT	*****	*****	***	*****	*****	DAILY MAX	MG/L			
5-DAY PERCENT REMOVAL 1010 K 0 0 PERCENT REMOVAL	SAMPLE MEASUREMENT	*****	*****		89	*****	*****	(23)	Ø		
	PERMIT REQUIREMENT	*****	*****	***	MIN % RMV	*****	*****	PER-CENT			
SOLIDS, SUSPENDED PERCENT REMOVAL 1011 K 0 0 PERCENT REMOVAL	SAMPLE MEASUREMENT	*****	*****		94	*****	*****	(23)	Ø		
	PERMIT REQUIREMENT	*****	*****	***	MIN % RMV	*****	*****	PER-CENT			

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

TYPED OR PRINTED

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE DATE

AREA CODE NUMBER YEAR MO DAY

ATTACHMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

Reported June & Dec DMRs

NAME DEFENSE, ARMY
 ADDRESS P.O. BOX 309500
 PUBLIC WORKS, AFZH-PRU-R, H/S-17
 FORT LEWIS WA 98433-9500
 FACILITY DEFENSE, ARMY
 LOCATION FORT LEWIS WA 98433-9500 FROM
 TTN: [REDACTED]

DISCHARGE MONITORING PERIOD

WA0021954 PERMIT NUMBER 001 A DISCHARGE NUMBER

MONITORING PERIOD

YEAR	MO	DAY	TO	YEAR	MO	DAY
00	10	01		00	10	01

WASTEWATER FACILITY SOLE POINT
 (SUBR 03)
 F - FINAL
 *** NO DISCHARGE 1000 ***
 NOTE: Read instructions before completing this form.

G 637

PARAMETER	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
CHLORIDES, PETROLEUM		*****	*****		*****	*****	**	(19)			
2100 1 0 0				***							
EFFLUENT GROSS VALUE				****				MG/L			

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	TELEPHONE		DATE		
		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		AREA CODE	NUMBER	YEAR

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

ANALYSIS OF NWTM-GX for Oct 2006 to monitor - Effluent (Gasoline 0.6) (Diesel 0.35) (Grease 0.64)

Use of Prior Problems PH/PC (Grease 0.46)

Permit tied with T.I. Report

Anatek Labs, Inc.

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com
504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

FORT LEWIS

██████████
BOX 339500, MS 17
FORT LEWIS, WA 98433

Project: WWTP-EFFLUENT / INFLUENT
Report Date: 23-Oct-06

Certificate of Analysis

Gasoline - NWTPH-Gx (EPA 8015Bmod)

Sample Name: WWE-2006-1011
Sample Location:
Sampling Date: 10/11/2006
Sampling Time: 10:13
Date Received: 10/12/2006
Lab #: 06X3429-01
Matrix: WASTE WATER
Analysis Date: 10/19/2006

Analyte	Result	Units	PQL	Method
gasoline	ND	mg/L	0.25	EPA 8015Bmod

Surrogate Standard	% Recovery
1,2-Dichlorobenzene-d4 %R	105.3
4-Bromofluorobenzene %R	101.5
Toluene-d8 %R	97.8

%R AR 70-130

Sample Name: WWI-2006-1011
Sample Location:
Sampling Date: 10/11/2006
Sampling Time: 10:13
Date Received: 10/12/2006
Lab #: 06X3429-02
Matrix: WASTE WATER
Analysis Date: 10/19/2006

Analyte	Result	Units	PQL	Method
gasoline	0.6	mg/L	0.25	EPA 8015Bmod

Surrogate Standard	% Recovery
1,2-Dichlorobenzene-d4 %R	105.7
4-Bromofluorobenzene %R	100.6
Toluene-d8 %R	97.1

%R AR 70-130

Eff + Inf. Monthly results

Approved by: ██████████

ND Not Detected

PQL Practical Quantitation Limit

Page 1 of 1

G 638

Anatek Labs, Inc.

1282 Alturas Drive • Moscow, ID 83643 • (208) 883-2838 • Fax (208) 882-6246 • email moscow@anateklabs.com
504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3998 • Fax (509) 638-4433 • email spokane@anateklabs.com

FORT LEWIS


BOX 339500, MS 17
FORT LEWIS, WA 98433

PROJECT: WWTP-EFFLUENT / INFLUENT

Report Date: 23-Oct-06

Certificate of Analysis

Petroleum -NWTPH-D Extended by GC/FID (8015 modified)

Sample Name:	WWE-2006-1011	Analyte	Result	Units	PQL
Sample Location:		Diesel	ND	mg/L	0.1
Sampling Date:	10/11/2006	Lube Oil	0.96	mg/L	0.5
Sampling Time:	10:13				
Date Received:	10/12/2006				
Extraction Date:	10/16/2006	NWTPH-D Surrogate (Hexacosane) Percent Recovery			79.0
Lab #:	06X3429-01	Surrogate Acceptance Range:	50-150		
Matrix:	WASTE WATER	Comments:			
Analysis Date NWTPH-D:	10/19/2006				
Analyst:	SAT				

Sample Name:	WWI-2006-1011	Analyte	Result	Units	PQL
Sample Location:		Diesel	0.35	mg/L	0.1
Sampling Date:	10/11/2006	Lube Oil	2.69	mg/L	0.5
Sampling Time:	10:13				
Date Received:	10/12/2006				
Extraction Date:	10/16/2006	NWTPH-D Surrogate (Hexacosane) Percent Recovery			76.0
Lab #:	06X3429-02	Surrogate Acceptance Range:	50-150		
Matrix:	WASTE WATER	Comments:			
Analysis Date NWTPH-D:	10/19/2006				
Analyst:	SAT				

Approved by: 

ND Not Detected

PQL Practical Quantitation Limit

NWTPH-D Report

Page 1 of 1

G 639

PARAMETER	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
00010 5-DAY BOD (20 DEG. C)	SAMPLE MEASUREMENT	4513	*****	(26)	*****	137	*****	(19)	Ø	
00310 RAM SEM/INFLUENT	PERMIT REQUIREMENT	REPORT NO. AVG	*****	LBS/DY	*****	REPORT NO. AVG	*****	MG/L	Ø	
00310 5-DAY BOD (20 DEG. C)	SAMPLE MEASUREMENT	583	793	(26)	*****	18	24	(19)	Ø	
00310 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	NO. AVG	WPLY. AVG	LBS/DY	*****	NO. AVG	WPLY. AVG	MG/L	Ø	
00400 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT				6.5		7.2	(12)	Ø	
00530 SOLIDS; TOTAL SUSPENDED	PERMIT REQUIREMENT			(26)	MINIMUM			(19)	Ø	
00530 SOLIDS; TOTAL SUSPENDED	SAMPLE MEASUREMENT	6215		LBS/DY	*****	REPORT NO. AVG	*****	MG/L	Ø	
00530 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	NO. AVG	WPLY. AVG	LBS/DY	*****	NO. AVG	WPLY. AVG	MG/L	Ø	
00610 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	572	661	(26)	*****	17	28	(19)	Ø	
00610 TOTAL (AS N)	PERMIT REQUIREMENT				*****			(19)	Ø	
00615 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT				*****			(19)	Ø	
00615 TOTAL (AS N)	PERMIT REQUIREMENT				*****			(19)	Ø	

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

TYPED OR PRINTED: [REDACTED]
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT: [REDACTED]
 AREA CODE: [REDACTED] NUMBER: [REDACTED]
 TELEPHONE: [REDACTED]
 DATE: [REDACTED]

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (reference all attachments here):
 BOD for 11-01 is within the BASELINE allowable with potential SOLIDS of 80.1170
 reported on June 1 Dec DMRS
 SYSTEMS. NORMAL RANGE 11-7-06

EPA Form 3320-1 (Rev. 7/97) Previous editions may be used.

ADDRESS P.O. BOX 339500
 PUBLIC WORKS, AFZH-PWD-R, H/S-17
 FORT LEWIS WA 98433-9500
 FACILITY DEFENSE, ARMY
 LOCATION FORT LEWIS WA 98433-9500 FROM
 ATTN: [REDACTED]

WA0021954
 PERMIT NUMBER

COL A
 DISCHARGE NUMBER

(SUBR 03)
 F - FINAL
 WASTEWATER FACILITY SOLD POINT
 *** NO DISCHARGE [] ***
 NOTE: Read instructions before completing this form.

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
00	11	01		00	11	30

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
NITROGEN, NITRATE TOTAL (AS N) C0620 1 0 0	SAMPLE MEASUREMENT	*****	*****		*****	*****	**	(19)	Ø		
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	***	*****	*****	REPORT	MG/L		ANNUAL	
NITROGEN, NITRATE TOTAL (AS N) C0625 1 0 0	SAMPLE MEASUREMENT	*****	*****		*****	*****	**	(19)	Ø		
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	***	*****	*****	REPORT	MG/L		ANNUAL	
FECAL COLIFORM, MPN, EC MED, 44.5C 31615 1 0 0	SAMPLE MEASUREMENT	*****	*****		*****	4	7	(19)	Ø		
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	***	*****	200 MO GED	400 WKLY GED	/ 100ML			
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0	SAMPLE MEASUREMENT	4.0	*****	(0.5)	*****	*****	*****		Ø		
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	NO AVG	*****	MGD	*****	*****	*****	***		ONCE A MONTH	
CHLORINE, TOTAL RESIDUAL 50060 1 0 0	SAMPLE MEASUREMENT	*****	*****		*****	*****	* Ø.8Ø	(19)	Ø		
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	***	*****	*****	DAILY MX	MG/L			
BOD, 5-DAY PERCENT REMOVAL 81010 K 0 0	SAMPLE MEASUREMENT	*****	*****		86	*****	*****	(23)	Ø		
PERCENT REMOVAL	PERMIT REQUIREMENT	*****	*****	***	80 MIN % RMV	*****	*****	PERCENT			
SOLIDS, SUSPENDED PERCENT REMOVAL 81011 K 0 0	SAMPLE MEASUREMENT	*****	*****		90	*****	*****	(23)	Ø		
PERCENT REMOVAL	PERMIT REQUIREMENT	*****	*****	***	80 MIN % RMV	*****	*****	PERCENT			

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	TELEPHONE		DATE		
		TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 ** Reports Low June & Dec DMRS * Analyzer Failed - No Flow - clogged with gunk - cleaned by operator
 Problem corrected

ADDRESS P. O. BOX 335500
 PUBLIC WORKS, AFZH-PWU-R, N/S-17
 FORT LEWIS WA 98433-3500
 FACILITY DEFENSE, ARMY
 LOCATION FORT LEWIS WA 98433-3500 FROM
 ATTN: [REDACTED]

HA002195A
 PERMIT NUMBER
 001 A
 DISCHARGE NUMBER
 MONITORING PERIOD
 YEAR 05 MO 11 DAY 01 TO YEAR 05 MO 11 DAY 30

(SUBR 03)
 F - FINAL
 WASTEWATER FACILITY SLO POINT
 *** NO DISCHARGE ***
 NOTE: Read instructions before completing this form.

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
HYDROCARBONS, PETROLEUM EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	MO/L	1	1	1
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
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	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 TYPED OR PRINTED
 COMMENTS AND EXPLANATION OF ANY VIOLATIONS (reference all attachments here)
 The Per. Report Reported with E.I. Report/ANALYSIS OF AIR TOXIC-ND - WINTER-D EXTENDED BY GLEISID - Diesel 0.12 / Lub oil 0.5
 EPA Form 3320-1 (Rev. 10-1-80) Various editions may be used. 2010 C / 01/10/10 4-pair form.

Anatek Labs, Inc.

1282 Alturas Drive • Moscow, ID 83643 • (208) 863-2839 • Fax (208) 862-8246 • email moscow@anateklabs.com
 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3889 • Fax (509) 838-4433 • email spokane@anateklabs.com

FORT LEWIS

BOX 339500, MS 17
 FORT LEWIS, WA 98433

Project: WWTP - EFFLUENT/INFLUENT
 Report Date: 10-Nov-06

Certificate of Analysis

Gasoline - TPH-Gx (EPA 8015Bmod)

Sample Name: WWV-2006-1101
 Sample Location:
 Sampling Date: 11/1/2006
 Sampling Time: 9:10
 Date Received: 11/2/2006
 Lab #: OEX3707-01
 Matrix: WASTE WATER
 Analysis Date: 11/8/2006

Analyte	Result	Units	PQL	Method
gasoline	ND	mg/L	0.1	EPA 8015Bmod

Surrogate Standard (S280)	% Recovery
1,2-Dichlorobenzene-d4 %R	107.5
4-Bromofluorobenzene %R	90.1
Toluene-d8 %R	92.1

%R AR 70-130

Sample Name: WWI-2006-1101
 Sample Location:
 Sampling Date: 11/1/2006
 Sampling Time: 8:10
 Date Received: 11/2/2006
 Lab #: OEX3707-02
 Matrix: WASTE WATER
 Analysis Date: 11/8/2006

Analyte	Result	Units	PQL	Method
gasoline	0.2	mg/L	0.1	EPA 8015Bmod

Surrogate Standard (S280)	% Recovery
1,2-Dichlorobenzene-d4 %R	120.3
4-Bromofluorobenzene %R	96.3
Toluene-d8 %R	87.4

%R AR 70-130

Eff + Inf Comp Monthly Sample

Approved by: 

ND Not Detected

PQL Practical Quantitation Limit

Anatek Labs, Inc.

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504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 836-4433 • email spokane@anatelabs.com

FORT LEWIS


BOX 339500, MS 17
FORT LEWIS, WA 98433

PROJECT: WWTP - EFFLUENT/INFLUENT

Report Date: 10-Nov-06

Certificate of Analysis

Petroleum -NWTPH-D Extended by GC/FID (8015 modified)

Sample Name:	WWE-2006-1101	Analyte	Result	Units	PQL
Sample Location:		Diesel	0.12	mg/L	0.1
Sampling Date:	11/1/2006	Lube Oil	0.59	mg/L	0.5
Sampling Time:	9:10				
Date Received:	11/2/2006				
Extraction Date:	11/3/2006	NWTPH-D Surrogate (Hexacosane) Percent Recovery			76.2
Lab #:	06X3707-01	Surrogate Acceptance Range: 50-150			
Matrix:	WASTE WATER	Comments:			
Analysis Date NWTPH-D:	11/4/2006				
Analyst:	SAT				

Sample Name:	WW-2006-1101	Analyte	Result	Units	PQL
Sample Location:		Diesel	0.20	mg/L	0.1
Sampling Date:	11/1/2006	Lube Oil	1.19	mg/L	0.5
Sampling Time:	8:10				
Date Received:	11/2/2006				
Extraction Date:	11/3/2006	NWTPH-D Surrogate (Hexacosane) Percent Recovery			65.6
Lab #:	06X3707-02	Surrogate Acceptance Range: 50-150			
Matrix:	WASTE WATER	Comments:			
Analysis Date NWTPH-D:	11/4/2006				
Analyst:	SAT				

Approved by: 

ND Not Detected

PQL Practical Quantitation Limit

NWTPH-D Report

Page 1 of 1

G 644

Requested Sample Results for Influent Questioned
Solvent Spill

SPECTRA Laboratories

2221 Ross Way * Tacoma, WA 98421 * (253) 273-4850 * Fax (253) 572-9838 * www.spectra-lab.com

11/09/2006

P.O.#:

Pd CC 055511

Fort Lewis Public Works
Attn: WTP
Box 539500-MS-17
Pt Lewis, WA 98433-9500

Client ID: Raw Comp Sample
Sample Matrix: Water
Date Sampled: 11/09/2006
Date Received: 11/13/2006
Spectra Project: 2006110194
Spectra Number: 1

Analyte	Result	Units	Method	Analyte	Result	Units	Method
Diesel	<1000	µg/L	NWTPH-D	1,2-Dichloropropane	<5	µg/L	SW846 8260B
Oil	<5000	µg/L	NWTPH-D	1,3,5-Trimethylbenzene	<5	µg/L	SW846 8260B
Gasoline	4500*	µg/L	NWTPH-G	1,3-Dichlorobenzene	19	µg/L	SW846 8260B
1,1,2-Tetrachloroethane	<5	µg/L	SW846 8260B	1,3-Dichloropropane	<5	µg/L	SW846 8260B
1,1,1-Trichloroethane	<5	µg/L	SW846 8260B	1,4-Dichlorobenzene	45	µg/L	SW846 8260B
1,1,2,2-Tetrachloroethane	<5	µg/L	SW846 8260B	2,2-Dichloropropane	<5	µg/L	SW846 8260B
1,2-Trichloroethane	<5	µg/L	SW846 8260B	2-Butanone (MEK)	<50	µg/L	SW846 8260B
Dichloroethane	<5	µg/L	SW846 8260B	2-Chloroethylvinyl Ether	<25	µg/L	SW846 8260B
1,1-Trichloroethene	<5	µg/L	SW846 8260B	2-Chloroethane	<5	µg/L	SW846 8260B
1,1-Dichloropropene	<5	µg/L	SW846 8260B	2-Hexanone (MBK)	<50	µg/L	SW846 8260B
1,2,3-Trichlorobenzene	<5	µg/L	SW846 8260B	4-Chlorobenzene	<5	µg/L	SW846 8260B
1,2,4-Trichlorobenzene	10	µg/L	SW846 8260B	4-Isopropyltoluene	21	µg/L	SW846 8260B
1,2,4-Trimethylbenzene	13	µg/L	SW846 8260B	4-methyl-2-pentanone (MIBK)	<50	µg/L	SW846 8260B
1,2-Dibromo-3-Chloropropane	<50	µg/L	SW846 8260B	Acetone	90	µg/L	SW846 8260B
1,3-Dibromoethane (EDB)	<5	µg/L	SW846 8260B	Acrolein	<25	µg/L	SW846 8260B
1,2-Dichlorobenzene	600	µg/L	SW846 8260B	Acrylonitrile	<25	µg/L	SW846 8260B
1,2-Dichloroethane	<5	µg/L	SW846 8260B	Benzene	<5	µg/L	SW846 8260B
				Bromobenzene	<5	µg/L	SW846 8260B

* Sample contains gasoline range hydrocarbons which appear to be a mixture of solvent rather than gasoline. See VOC results.

Sample	Recovery	Method	Sample	Recovery	Method
n-Tetradecane	92	NWTPH-D			
Toluene-d8	107	NWTPH-G			
1,1,1-Trichloroethane	98	SW846 8260B			
Dibromochloropropane	90	SW846 8260B			
1,2-Dichlorobenzene-d4	81	SW846 8260B			
2-Hexanone	107	SW846 8260B			
4-Chlorobenzene	99	SW846 8260B			

SPECTRA LABORATORIES

[Redacted Signature]

SPECTRA Laboratories

2221 Rose Way • Tacoma, WA 98421 • (253) 272-4850 • Fax: (253) 572-9838 • www.spectra-lab.com

11/29/2006

P.O.#: Pd CC 055511

Fort Lewis Public Works
 Attn: WTP
 Box 339500-M8-17
 Ft Lewis, WA 98433-9500

Client ID: Raw Comp Sample
 Sample Matrix: Water
 Date Sampled: 11/09/2006
 Date Received: 11/13/2006
 Spectra Project: 2006110194
 Spectra Number: 1

Analyte	Result	Units	Method	Analyte	Result	Units	Method
Bromochloromethane	<S	µg/L	SW846 8260B	Methylene chloride	17	µg/L	SW846 8260B
Bromodichloromethane	<S	µg/L	SW846 8260B	Naphthalene	10	µg/L	SW846 8260B
Bromoform	<S	µg/L	SW846 8260B	Styrene	<S	µg/L	SW846 8260B
Bromomethane	<S	µg/L	SW846 8260B	Tetrachloroethene	2	µg/L	SW846 8260B
Carbon Disulfide	<S	µg/L	SW846 8260B	Toluene	<S	µg/L	SW846 8260B
Carbon Tetrachloride	<S	µg/L	SW846 8260B	Total Xylenes	<10	µg/L	SW846 8260B
Chlorobenzene	<S	µg/L	SW846 8260B	Trichloroethene	<S	µg/L	SW846 8260B
1,1-Dibromomethane	<S	µg/L	SW846 8260B	Trichlorofluoromethane	<S	µg/L	SW846 8260B
Dibromoethane	<S	µg/L	SW846 8260B	Vinyl Acetate	<50	µg/L	SW846 8260B
Chloroform	<S	µg/L	SW846 8260B	Vinyl chloride	<S	µg/L	SW846 8260B
Chloromethane	<S	µg/L	SW846 8260B	cis-1,2-Dichloroethene	<S	µg/L	SW846 8260B
Dibromomethane	<S	µg/L	SW846 8260B	cis-1,3-Dichloropropene	<S	µg/L	SW846 8260B
1,1-Dibromodifluoromethane	<S	µg/L	SW846 8260B	n-Butylbenzene	<S	µg/L	SW846 8260B
Ethylbenzene	<S	µg/L	SW846 8260B	n-Propylbenzene	<S	µg/L	SW846 8260B
Hexachlorobenzene	<S	µg/L	SW846 8260B	sec-Butylbenzene	<S	µg/L	SW846 8260B
Iodomethane	<S	µg/L	SW846 8260B	tert-Butylbenzene	<S	µg/L	SW846 8260B
Isopropylbenzene	<S	µg/L	SW846 8260B	trans-1,2-Dichloroethene	<S	µg/L	SW846 8260B
Methyl-tert-Butyl Ether	<S	µg/L	SW846 8260B	trans-1,3-Dichloropropene	<S	µg/L	SW846 8260B

* Sample contains gasoline range hydrocarbons which appear to be a mixture of solvents rather than gasoline. See VOC results.

Surrogate	Recovery	Method	Surrogate	Recovery	Method
n-Propyltol	90	NWTP11-D			
Toluene-d8	107	NWTP11-G			
1-Bromoethane	95	NWTP11-G			
1,1-Dibromomethane	96	SW846 8260B			
1,2-Dichloroethene-d4	81	SW846 8260B			
Toluene-d8	107	SW846 8260B			
n-Propyltol	94	SW846 8260B			

SPECTRA LABORATORIES

SPECTRA Laboratories

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11/29/2006

P.O.#: Pd CC 055511

Fort Lewis Public Works
 Attn: WTP
 Box 339500-MS-17
 Ft Lewis, WA 98433-9500
 [REDACTED]

Client ID: Infl Comp Sample
 Sample Matrix: Water
 Date Sampled: 11/07/2006
 Date Received: 11/13/2006
 Spectra Project: 2006110194
 Spectra Number: 2

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>
Diesel	<1000	µg/L	NWTFH-D				
Oil	<5000	µg/L	NWTFH-D				
Gasoline	<250	µg/L	NWTFH-G				

<u>Method</u>	<u>Recovery</u>	<u>Method</u>
o-Toluidine	82	NWTFH-D
Toluene-d8	109	NWTFH-G
4-tert-butylphenol	100	NWTFH-G

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SPECTRA Laboratories

2221 Ross Way • Tacoma, WA 98403 • (253) 771-4888 • Fax (253) 572-9838 • www.spectra-lab.com

11/29/2006

P.O.#:

Pd CC 055511

Fort Lewis Public Works
 Attn: WTP
 Box 339500-MS-17
 Ft Lewis, WA 98433-9500
 [REDACTED]

Client ID: Infl Comp Sample
 Sample Matrix: Water
 Date Sampled: 11/08/2006
 Date Received: 11/13/2006
 Spectra Project: 2006110194
 Spectra Number: 3

Analyte	Result	Units	Method	Analyte	Result	Units	Method
Diesel	<1000	µg/L	NWTFPH-D				
Oil	<5000	µg/L	NWTFPH-D				
Gasoline	<250	µg/L	NWTFPH-G				

Substrate	Recovery	Method
p-Terphenyl	86	NWTFPH-D
Toluene-d8	113	NWTFPH-G
4-Ethoxyphenol	111	NWTFPH-G

SPECTRA LABORATORIES

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Anatek Labs, Inc.

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504 E Sprague St, D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

FORT LEWIS

██████████
BOX 339500, MS 17
FORT LEWIS, WA 98433

Project: WWTP BED SLUDGE
Report Date: 10-Nov-06

Certificate of Analysis

Gasoline - TPH-Gx (EPA 8015Bmod)

Sample Name: BED 17
Sample Location:
Sampling Date: 10/16/2006
Sampling Time: 10:07
Date Received: 10/25/2006
Lab #: 06X3595-01
Matrix: SLUDGE
Analysis Date: 10/26/2006

Analyte	Result	Units	PQL	Method
gasoline	ND	mg/Kg	25	EPA 8015Bmod

Surrogate Standard	% Recovery
1,2-Dichlorobenzene-d4 %R	94.3
4-Bromofluorobenzene %R	97.6
Toluene-d8 %R	85.6

%R AR 70-130

→ Biosolids results for Bed #17 Pool

Approved by: _____
██████████

ND Not Detected

PQL Practical Quantitation Limit

Page 1 of 1

G 649

Anatek Labs, Inc.

1282 Alturas Drive • Moscow, ID 83843 • (208) 863-2839 • Fax (208) 862-9246 • email moscow@anateklabs.com
504 E Sprague Ste. D • Spokane WA 99202 • (509) 836-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

FORT LEWIS


BOX 339500, MS 17
FORT LEWIS, WA 98433

PROJECT: WWTP BED SLUDGE
Report Date: 10-Nov-06

Certificate of Analysis

Petroleum -NWTPH-D Extended by GC/FID (8015 modified)

Sample Name:	BED 17	Analyte	Result	Units	PQL
Sample Location:		Diesel	1960	mg/Kg	1000
Sampling Date:	10/16/2006	Lube Oil	14900	mg/Kg	4000
Sampling Time:	10:07				
Date Received:	10/25/2006				
Extraction Date:	10/30/2006	NWTPH-D Surrogate (Hexacosane) Percent Recovery			87.9
Lab #:	06X3695-01	Surrogate Acceptance Range: 50-150			
Matrix:	SLUDGE				
Analysis Date NWTPH-D:	11/2/2006	Comments: Acid-Silica Gel Cleanup Performed			
Analyst:	SAT				
Percent Solids:	4.4				
Percent Moisture:	95.6				
Weight Basis:	Dry wt Basis				

Approved by: 

ND Not Detected

PQL Practical Quantitation Limit

NWTPH-D Report

Page 1 of 1

G 650

ADDRESS: PUBLIC WORKS, AFZH-PWU-R, M/5-17
 FORT LEWIS WA 98433-9500
 FACILITY DEFENSE, ARMY
 LOCATION FORT LEWIS WA 98433-9500
 AITN: [REDACTED]

HA0021354
 PERMIT NUMBER
 001 A
 DISCHARGE NUMBER
 MONITORING PERIOD

YEAR	MO.	DAY	TO	YEAR	MO.	DAY
2006	12	1		2008	12	31

(SUBR 03)
 F - FINAL
 WASTEWATER FACILITY SOLO POINT
 *** NO DISCHARGE ***
 NOTE: Read instructions before completing this form.

G 651

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
00010 2 0 0 (20 DEG. C)	42.42			(15)		110		(15)			
00010 6 0 0 RAW SEW/INFLUENT	NO AVG			LBS/DY		REPORT		MG/L			
00010 3 0 0 (20 DEG. C)	6.55	812		(15)		17	21	(15)			
00010 1 0 0 EFFLUENT GROSS VALUE	NO AVG	WKLY AVG		LBS/DY		NO AVG	WKLY AVG	MG/L			
00400 1 0 0 EFFLUENT GROSS VALUE					6.7		7.2	(15)			
00400 1 0 0 EFFLUENT GROSS VALUE					MINIMUM		MAXIMUM	SH			
00230 0 0 0 SOLIDS, TOTAL SUSPENDED	5730			(15)		148		(15)			
00230 0 0 0 RAW SEW/INFLUENT	NO AVG			LBS/DY		REPORT		MG/L			
00230 1 0 0 EFFLUENT GROSS VALUE	640	735		(15)		17	19	(15)			
00230 1 0 0 EFFLUENT GROSS VALUE	NO AVG	WKLY AVG		LBS/DY		NO AVG	WKLY AVG	MG/L			
00610 1 0 0 EFFLUENT GROSS VALUE							2.76	(15)			
00610 1 0 0 EFFLUENT GROSS VALUE							REPORT	MG/L			
00610 1 0 0 EFFLUENT GROSS VALUE							0.3	(15)			
00610 1 0 0 EFFLUENT GROSS VALUE							REPORT	MG/L			

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

TYPED OR PRINTED
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT
 TELEPHONE
 DATE
 AREA CODE NUMBER YEAR MO DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 ANALYSIS of EFF (TPH-GX-AD) - (NEWTPH-D EXTENDED by GC/FID) - Diesel 0.73/Lube oil 0.36mg/L
 (TPH-GX-0.26) - (NEWTPH-D EXTENDED by GC/FID) - Diesel 1.80mg/L/Lube oil 0.42

NAME DEFENSE, ARMY
 ADDRESS P.O. BOX 33550
 PUBLIC WORKS, AFZM-PDU-R, M/S-17
 FORT LEWIS WA 98433-3500
 FACILITY DEFENSE, ARMY
 LOCATION/FORT LEWIS WA 98433-3500 FROM

MAJOR DISCHARGE NUMBER
 001954

DISCHARGE NUMBER
 0019

MONITORING PERIOD
 YEAR MO DAY TO YEAR MO DAY
 01 12 01 TO 01 12 31

MAJOR (SUBR 03)
 F - FINAL
 WASTEWATER FACILITY SOLG PONG
 *** NO DISCHARGE ***
 NOTE: Read Instructions before completing this form.

PARAMETER	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
NITROGEN: NITRATE										
TOTAL (AS N)										
00620 1 0 0	PERMIT MEASUREMENT									
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT									
NITROGEN: KJED/NH4L										
TOTAL (AS N)										
00625 1 0 0	PERMIT MEASUREMENT									
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT									
CHROMIUM: TOTAL (AS CR)										
01034 1 0 0	PERMIT MEASUREMENT									
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT									
COPPER: TOTAL (AS CU)										
01042 1 0 0	PERMIT MEASUREMENT									
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT									
LEAD: TOTAL (AS PB)										
01051 1 0 0	PERMIT MEASUREMENT									
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT									
TOC/TSS/TSS: TOTAL (AS MS)										
01062 1 0 0	PERMIT MEASUREMENT									
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT									
NICKEL: TOTAL (AS NI)										
01067 1 0 0	PERMIT MEASUREMENT									
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT									

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE DATE

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 TYPE OF PRINTED ANNOTATION OF ANY VIOLATIONS (Reference all attachments here)
 COMMENTS AND
 APPROVED: [Signature] DATE: [Date]
 APPROVED: [Signature] DATE: [Date]
 APPROVED: [Signature] DATE: [Date]

ADDRESS: PUBLIC WORKS, ATZN-PWU-R, M/S-17
 5047 LEMIS
 FACILITY DEFENSE ARMY
 LOCATION: FORT LEMIS

WA 90400-9500 FROM WA 90400-9500
 HQ 90400-9500 FROM HQ 90400-9500
 PERMIT NUMBER: WA00021954
 DISCHARGE NUMBER: 001 N
 MONITORING PERIOD: YEAR MONTH DAY TO YEAR MONTH DAY
 (SUOR 00)
 F - FINAL
 WASTEWEATER FACILITY CSDS FORM 9653

PARAMETER	MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPL. TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
CAMP: 1015L (MS 2N)	SAMPLE MEASUREMENT									
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT									
SCIENTIF: 1015L (MS 5E)	SAMPLE MEASUREMENT									
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT									
REC MED: 44.5E	SAMPLE MEASUREMENT									
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT									
THRU TREATMENT PLANT	SAMPLE MEASUREMENT	4.6								
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT									
RECIPIENT: FETAL	SAMPLE MEASUREMENT									
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT									
RECIPIENT: FETAL	SAMPLE MEASUREMENT									
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT									
RECIPIENT: FETAL	SAMPLE MEASUREMENT									
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT									
RECIPIENT: FETAL	SAMPLE MEASUREMENT									
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT									
RECIPIENT: FETAL	SAMPLE MEASUREMENT									
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT									
RECIPIENT: FETAL	SAMPLE MEASUREMENT									
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT									
RECIPIENT: FETAL	SAMPLE MEASUREMENT									

NAME/TITLE: PRINCIPAL EXECUTIVE OFFICER
 COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments hereto)
 TYPED OR PRINTED
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT
 AREA CODE
 TELEPHONE NUMBER
 DATE
 YEAR MONTH DAY
 709A Form 3320-1 (Rev. 1-76) (Previous editions may be used.)

MEMO - Deleted
Waste Water Results
will be within 2001

Residuals - Agitation Results Below
Diesel Oil - Lubrication (ms)

NOTE: Read instructions below completing this form.

ADDRESS P.O. BOX 333500
 PUBLIC WORKS, 412H-PWD-R, N/S-17
 FORT LEWIS WA 98433 3300
 FACILITY DEFENSE, ARMY
 LOCATION FORT LEWIS WA 98433-3500 FROM
 ATTN: [REDACTED]

WAC021954
 PERMIT NUMBER

001 A
 DISCHARGE NUMBER

(SUPER 03)
 F - FINAL
 WASTEWATER FACILITY SOLE POINT

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
00	12	01		00	12	31

*** NO DISCHARGE [] ***
 NOTE: Read instructions before completing this form

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PARAMETER	SAMPLE MEASUREMENT / PERMIT REQUIREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
SOLIDS, SUSPENDED PERCENT REMOVAL 81011 K O O	SAMPLE MEASUREMENT	*****	*****		87	*****	*****	(20)			
	PERMIT REQUIREMENT	*****	*****	***	80	*****	*****	PERCENT		ONE MONTH	
HYDROCARBONS, PETROLEUM 82180 1 0 0	SAMPLE MEASUREMENT	*****	*****		*****	*****	REPORT	(15)			
	PERMIT REQUIREMENT	*****	*****	***	*****	*****	REPORT	MG/L		ONE MONTH	
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	TELEPHONE		DATE		
		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		AREA CODE	NUMBER	YEAR

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):
 *** EMPLOYER'S RESULTS FOR HYDROCARBONS / Chimpum - Sampled Plant for analysis that will be noted on DMR when results are collected - sent to be noted on DMR. purpose plant efficiency improved.

Anatek Labs, Inc.

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 852-9248 • email moscow@anateklabs.com
504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

FORT LEWIS

BOX 339500, MS 17
FORT LEWIS, WA 98433

Project: WWTP - EFFLUENT
Report Date: 14-Dec-06

Certificate of Analysis Total Metals - Method EPA 8020/200.8

Sample Name:	WW-METALS-20061204	Analyte	Result	Units	PQL	Method
Sample Location:		Arsenic	ND	mg/L	0.001	EPA 200.8
Sampling Date:	12/4/2006	Cadmium	ND	mg/L	0.001	EPA 200.8
Sampling Time:	9:53	Chromium ✓	ND	mg/L	0.001	EPA 200.8
Date Received:	12/5/2006	Copper ✓	0.031	mg/L	0.001	EPA 200.8
Lab #:	06X4049-01	Lead ✓	ND	mg/L	0.001	EPA 200.8
Matrix:	WASTE WATER	Molybdenum ✓	0.003	mg/L	0.001	EPA 200.8
Analysis Date:	12/13/2006	Nickel ✓	0.002	mg/L	0.001	EPA 200.8
Analyst:	RAS	Selenium ✓	ND	mg/L	0.001	EPA 200.8
		Zinc ✓	0.060	mg/L	0.001	EPA 200.8

Effluent Results

Approved by: 

ND Not Detected

PQL Practical Quantitation Limit

Metals Report

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Anatek Labs, Inc.

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FORT LEWIS

██████████
BOX 339500, MS 17
FORT LEWIS, WA 98433

Project: WWTP - EFFLUENT

Report Date: 14-Dec-08

Certificate of Analysis

Sample Name: WW-TKN-20061204
Sample Location:
Lab Sample Number: 08X4049-02

Date Received: 12/5/2008
Sampling Date: 12/4/2008
Sampling Time: 9:50
Matrix: WASTE WATER

Parameter	Value	Unit	Limit	Date	Method	Sample ID
TKN	6.2	mg/L	0.1	12/7/2008	ETL	SM4500NorgC
NH3-N	2.76	mg/L	0.05	12/11/2008	ETL	SM4500NH3G
Nitrite-N	20.4	mg/L	0.1	12/12/2008	ETL	SM4500NO3-F
Nitrate-N	0.3	mg/L	0.1	12/12/2008	ETL	SM4500NO3-F

Approved by: ██████████

ND Not Detected

PQL Practical Quantitation Limit

Soil/solid results are dry weight basis

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FORT LEWIS


BOX 339500, MS 17
FORT LEWIS, WA 98433

PROJECT: WWTP - EFFLUENT/INFLUENT
Report Date: 13-Dec-06

Certificate of Analysis Petroleum -NWTPH-D Extended by GC/FID (8015 modified)

Sample Name:	WWI-2006-1204	Analyte	Result	Units	PQL
Sample Location:		Diesel	1.82	mg/L	0.1
Sampling Date:	12/4/2006	Lube Oil	0.72	mg/L	0.5
Sampling Time:	9:27				
Date Received:	12/5/2006				
Extraction Date:	12/11/2006	NWTPH-D Surrogate (Hexacosane) Percent Recovery			76.5
Lab #:	06X4048-01	Surrogate Acceptance Range: 50-150			
Matrix:	WASTE WATER	Comments:	Silica gel/acid cleanup		
Analysis Date NWTPH-D:	12/12/2006				
Analyst:	SAT				

Sample Name:	WWE-2006-1204	Analyte	Result	Units	PQL
Sample Location:		Diesel	0.73	mg/L	0.1
Sampling Date:	12/4/2006	Lube Oil	0.36	mg/L	0.5
Sampling Time:	9:33				
Date Received:	12/5/2006				
Extraction Date:	12/11/2006	NWTPH-D Surrogate (Hexacosane) Percent Recovery			89.3
Lab #:	06X4048-02	Surrogate Acceptance Range: 50-150			
Matrix:	WASTE WATER	Comments:	Silica gel/acid cleanup		
Analysis Date NWTPH-D:	12/12/2006				
Analyst:	SAT				

Effluent + Influent Only Results

Approved by: 

ND Not Detected

PQL Practical Quantitation Limit

NWTPH-D Report

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