

EXHIBIT 190

VOL III

Exhibit 190



DEPARTMENT OF THE ARMY
HEADQUARTERS, I CORPS AND FORT LEWIS
BOX 339500 Building 2012
FORT LEWIS, WASHINGTON 98433-9500

REPLY TO
ATTENTION OF:

28 February 2006

Public Works

Washington State Department of Ecology
Solid Waste & Financial Assistance Program
Attention: Biosolids Coordinator
P.O. Box 47600
Olympia, Washington 98504-7600

1. This report is being submitted pursuant to the requirements of WAC 173-308-295. Enclosed you will find the Annual Biosolids Report for Fort Lewis, covering the period from 1 January 2005 through 31 December 2005. Also enclosed are biosolids monitoring results for the year, and applicable operational records.
2. In the 2005 a total of 128 dry tons of biosolids were treated and processed at the Fort Lewis Wastewater Treatment Plant. A total of 13.5 dry tons of biosolids were transported to the Fort Lewis Composting Pilot Facility at Bldg 7600, Fort Lewis, WA 98433. All remaining biosolids (114.5 dry tons) are in temporary storage at the Wastewater treatment plant.
3. Biosolids transported to the composting facility were treated to Class A standards via Alternative 1 (Time and Temperature) as indicated in Section D: Biosolids Quality, 1) Pathogen Reduction of the attached report. Composted material in temporary storage has not been land applied. Fort Lewis is currently preparing a solid waste handling permit application for submission to the Tacoma/Pierce County Health Department to cover operations at the facility.
4. Enclosed with this report are: Laboratory results that verify compliance with the requirements of WAC 173-308-160(4) Tables 1 and 3 for pollutant concentrations; summaries of operation logs (including the biosolids being managed during 2005) and the Department of Ecology Annual Biosolids Reporting form.
5. All sludge was processed in accordance with the requirements of WAC 173-308-290(3)(b) for pathogen reduction. Minimum drying times were in excess of 90 days. Average monthly ambient temperatures were above 0 degrees C during drying. Records showing mean detention times for primary and secondary digesters are enclosed.

If you have questions about this report, please contact me at (b)(6), or email (b)(6)

Sincerely,

(b)(6)

(b)(6)

Water Quality Program Manager

Enclosures

cc:
Biosolids Coordinator
Department of Ecology
SW Regional Office
PW Box 47775
Olympia WA 98504-7775

EPA Region X
NPDES Compliance Unit
Irene Hopkins
MS-OW 133
1200 6th Avenue
Seattle WA 98101

Tacoma-Pierce County Health Department
(b)(6)
3629 South D St.
Tacoma, WA
98418

Fort Lewis Wastewater Treatment Plant
ATTN: AFZH-PWS MS17 (b)(6)
Box 339500
Fort Lewis WA 98433-9500



Annual Biosolids Report

Wastewater Treatment Facilities and Facilities Further Treating Biosolids

For Calendar Year: 2005

This annual biosolids report is for wastewater treatment facilities and facilities that engage in the further treatment of biosolids or sewage sludge and must be submitted as required by WAC 173-308-295. The due date for the annual report is March 1. The information reported must be from the previous calendar year, January 01–December 31, except where noted. Please use N/A where appropriate. Please round figures to ≤ 1 decimal place. Please report values as dry tons (dt). Please attach additional sheets if necessary.

SECTION A: FACILITY INFORMATION

1) COMPLETE AS APPLICABLE

- a) Facility name Fort Lewis – Solo Point Wastewater Treatment Plant (WWTP)
- b) Authority/owner name US Army-Fort Lewis
- c) Facility address Building 7500 Solo Point Road City Fort Lewis State WA Zip 98433
- d) Mailing address DPW, IMNW, LEW-PWO, (b)(6) City Fort Lewis State WA Zip 98433
- e) Responsible official/title (b)(6), (b)(6), Public Works Director Phone/fax (b)(6) Email (b)(6)
- f) Primary contact/title (b)(6) Plant Operator Phone/fax (b)(6) Email (b)(6)

2) CHECK AS APPLICABLE

- a) This facility has a maximum design flow ≥ 1 million gallons per day or serves $\geq 10,000$ people
- b) This facility has a maximum design flow < 1 million gallons per day and serves $< 10,000$ people
- c) This facility is a "Class I" facility

3) COMPLETE AS APPLICABLE

- a) NPDES Permit # WA-002195-4 Issuance Date Feb 1, 2004 Expiration Date Feb 1, 2009
- b) State Waste Discharge Permit # _____ Issuance Date _____ Expiration Date _____

SECTION B: BIOSOLIDS OR SEWAGE SLUDGE PRODUCTION & MANAGEMENT

(LAGOONS: This section is not applicable to your facility unless you removed solids from your lagoon[s]. Please complete Section C instead.)

- 1) PRODUCED BY YOUR FACILITY (do not include any received from another facility) 128 dt
- 2) RECEIVED FROM ANOTHER FACILITY 0 dt
- a) Facility name(s) and subtotal(s) of the above amount: _____
- 3) SENT TO ANOTHER FACILITY 13.5 dt
- a) Facility name(s) and subtotal(s) of the above amount: Sequalitchew Creek Eco-Park, Fort Lewis
- 4) SENT TO A LANDFILL FOR DISPOSAL 0 dt
- a) Landfill name(s) and subtotal(s) of the above amount: _____
- 5) INCINERATED AT YOUR FACILITY 0 dt
- 6) TEMPORARY ON-SITE STORAGE (LESS THAN 2 YEARS) 114.5 dt
- 7) SENT TO A PERMITTED BIOSOLIDS BENEFICIAL USE FACILITY (BUF) (complete the following table; do not include any managed by a BUF anywhere else below except B.17 if applicable)
- Y 070-125 (11/05) Ecology is an Equal Opportunity Employer

If you require this publication in an alternate format, please contact the Solid Waste & Financial Assistance Program at 360-407-6900 or TTY (for the speech and hearing impaired) at 711 or 800-833-6388.

B&B Farms BUF	_____ dt	Natural Selection Farms BUF	_____ dt
Boulder Park (not a BUF but submit a detailed report)	_____ dt	Ryegrass Ranch BUF	_____ dt
Cheyne BUF	_____ dt	Tjoelkers Farm BUF	_____ dt
Fire Mountain Farms BUF	_____ dt	Other: _____	_____ dt
Horse Heaven Hills BUF	_____ dt		

- 8) BULK APPLIED TO AGRICULTURAL LAND BY YOU/YOUR AGENT 0 dt
9) BULK APPLIED TO FOREST LAND BY YOU/YOUR AGENT 0 dt
10) BULK APPLIED TO A PUBLIC CONTACT SITE BY YOU/YOUR AGENT 0 dt
11) BULK APPLIED TO A LAND RECLAMATION SITE BY YOU/YOUR AGENT 0 dt
12) BULK APPLIED TO A LAWN OR HOME GARDEN BY YOU/YOUR AGENT 0 dt
13) BULK SOLD/GIVEN AWAY BY YOU (but not to your agent or another facility) 0 dt
14) BAGGED/CONTAINERIZED SOLD/GIVEN AWAY BY YOU 0 dt
15) AMOUNT IN A COMPOST/BLENDED PRODUCT SOLD/GIVEN AWAY BY YOU 0 dt
16) LAND APPLICATION SITE INFORMATION FOR NON-EXCEPTIONAL QUALITY BIOSOLIDS

- a) Site Location (Section/Township/Range) _____
Vegetation grown _____; Nitrogen requirement _____ #/acre/year
Application rate _____ dt/acre; Area applied to _____ acres; Total applied _____ dt
- b) Site Location (Section/Township/Range) _____
Vegetation grown _____; Nitrogen requirement _____ #/acre/year
Application rate _____ dt/acre; Area applied to _____ acres; Total applied _____ dt

***7) SITES SUBJECT TO THE CUMULATIVE POLLUTANT LOADING RATES IN WAC 173-308-160 TABLE 2 AND WHERE ≥90% OF THE LOADING RATES HAVE BEEN REACHED**

- a) Attach to this report the following:
i) The information in WAC 173-308-290(4)(c)(i)-(v)
ii) A description of how the requirement to obtain information under WAC 173-308-160(2)(b) was met

SECTION C: LAGOON SOLIDS ACCUMULATION OR LAGOON STORAGE

1) ESTIMATED SOLIDS ACCUMULATED OR STORED IN A LAGOON SYSTEM 0 dt

SECTION D: BIOSOLIDS QUALITY

1) PATHOGEN REDUCTION (see WAC 173-308-170)

CLASS A

<input checked="" type="checkbox"/> Class A - Alternative 1 <i>Time and Temperature</i>	<input type="checkbox"/> Class A - Alternative 2 <i>pH Temperature and Time</i>	<input type="checkbox"/> Class A - Alternative 3 <i>Process verification</i>
<input type="checkbox"/> Class A - Alternative 4 <i>Batch verification</i>	<input type="checkbox"/> Class A - Alternative 5 <i>Process to Further Reduce Pathogens</i> <input type="checkbox"/> Composting <input type="checkbox"/> Heat drying <input type="checkbox"/> Heat treatment <input type="checkbox"/> Thermophilic aerobic digestion <input type="checkbox"/> Beta ray irradiation <input type="checkbox"/> Gamma ray irradiation <input type="checkbox"/> Pasteurization	<input type="checkbox"/> Class A - Alternative 6 <i>Equivalency</i>

CLASS B

<input checked="" type="checkbox"/> Class B - Alternative 1 <i>Seven Samples</i> <u>4.2</u> MPN/dry gram GEOMEAN	<input type="checkbox"/> Class B - Alternative 2 <i>Process to Significantly Reduce Pathogens</i> <input type="checkbox"/> Aerobic digestion <input type="checkbox"/> Air drying <input type="checkbox"/> Anaerobic digestion <input type="checkbox"/> Composting <input type="checkbox"/> Lime stabilization	<input type="checkbox"/> Class B - Alternative 3 <i>Equivalency</i>
--	---	--

) VECTOR ATTRACTION REDUCTION (see WAC 173-308-180, -210(3), -220(3), -230(3), -240(3))

<input checked="" type="checkbox"/> Alternative 1 38% volatile solids reduction	<input type="checkbox"/> Alternative 2 Bench test for anaerobically digested biosolids	<input type="checkbox"/> Alternative 3 Bench test for aerobically digested biosolids	<input type="checkbox"/> Alternative 4 SOUR test	<input type="checkbox"/> Alternative 5 Aerobic treatment meeting time (14 day)/temperature (>40° C)
<input type="checkbox"/> Alternative 6 pH adjustment	<input type="checkbox"/> Alternative 7 75% or greater solids content for biosolids containing only stabilized solids	<input type="checkbox"/> Alternative 8 90% or greater solids content for biosolids containing any unstabilized solids	<input type="checkbox"/> Alternative 9 Injection below the surface of the ground	<input type="checkbox"/> Alternative 10 Incorporation into soil within 6 hours after application

3) POLLUTANTS (see WAC 173-308-150 and -160)

- a) How many monitoring events for pollutants did your facility carry out during the past year? 2
- b) If at any time the monthly average for any pollutant exceeded the value in Table 3 of WAC 173-308-160, list the pollutant(s): NA
- c) If at any time the concentration for any pollutant exceeded the value in Table 1 of WAC 173-308-160, list the pollutant(s): NA

SECTION E: ATTACHMENTS (as applicable)

- 1) ANALYTICAL DATA FOR POLLUTANT CONCENTRATIONS
- 2) PROCESS MONITORING AND/OR ANALYTICAL DATA FOR PATHOGEN REDUCTION
- 3) PROCESS MONITORING AND/OR ANALYTICAL DATA FOR VECTOR ATTRACTION REDUCTION
-) APPLICABLE SIGNED/DATED CERTIFICATION STATEMENT(S) ON PAGE 4

SECTION F: ANNUAL REPORT FORM CERTIFICATION STATEMENT

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 _____ Title _____ Date _____

SECTION G: SUBMITTING YOUR ANNUAL REPORT

- 1) ORIGINAL TO ECOLOGY HEADQUARTERS
- 2) COPY TO THE ECOLOGY REGION WHERE YOUR FACILITY IS LOCATED
- 3) COPY TO THE LOCAL HEALTH JURISDICTION WHERE YOUR FACILITY IS LOCATED
- 4) COPY TO ANY LOCAL HEALTH JURISDICTION AND/OR ECOLOGY REGION WHERE YOUR NON-EXCEPTIONAL QUALITY BIOSOLIDS WERE TREATED/APPLIED
- 5) COPY TO EPA REGION 10 BY FEBRUARY 19 IF A "MAJOR" OR "CLASS 1" FACILITY

MAILING ADDRESSES

Biosolids Coordinator Department of Ecology—CRO 15 West Yakima Avenue, Suite 200 Yakima, WA 98902	Biosolids Coordinator Department of Ecology—ERO North 4601 Monroe Spokane, WA 99205-1295	Biosolids Coordinator Department of Ecology—NWRO 3190 - 160 th Avenue S.E. Bellevue, WA 98008-5452
Biosolids Coordinator Department of Ecology—SWRO Box 47775 Olympia, WA 98504-7775	Biosolids Coordinator Department of Ecology—HQ PO Box 47600 Olympia, WA 98504-7600	USEPA Region 10 NPDES Compliance Unit (OCE-133), Biosolids Reports 1200 Sixth Avenue Seattle, WA 98101, ATTN: Cindy Phung

CERTIFICATION STATEMENTS (complete as applicable)

1) YOU PREPARED BULK BIOSOLIDS AND VAR WAS MET AT YOUR FACILITY

I certify, under penalty of law, that the (check as appropriate) Class A or Class B pathogen requirements in (check as appropriate) WAC 173-308-170(2) (a), (b), (c), (d), (e), or (f) if Class A, or WAC 173-308-170(3) (a), (b), or (c) if Class B, and the vector attraction reduction requirement in (check as appropriate) WAC 173-308-180 (2), (3), (4), (5), (6), or (7) have been met. This determination was made under my direction and supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information used to determine that pathogen and vector attraction reduction requirements have been met. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment.

Signature (b)(6) Title (b)(6) Date 2/18/06

2) YOU PREPARED BULK BIOSOLIDS AND VAR WAS NOT MET AT YOUR FACILITY

I certify, under penalty of law, that the (check as appropriate) Class A or Class B pathogen requirements in (check as appropriate) WAC 173-308-170(2) (a), (b), (c), (d), (e), or (f) if Class A, or WAC 173-308-170(3) (a), (b), or (c) if Class B have been met. This determination was made under my direction and supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information used to determine that pathogen reduction requirements have been met. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment.

Signature _____ Title _____ Date _____

3) YOU PREPARED BIOSOLIDS FOR SALE/GIVE AWAY IN A BAG OR OTHER CONTAINER (<1 METRIC TON)

I certify, under penalty of law, that the Class A pathogen requirement in (check as appropriate) WAC 173-308-170(2) (a), (b), (c), (d), (e), or (f), the vector attraction reduction requirement in (check as appropriate) WAC 173-308-180 (2), (3), (4), (5), (6), or (7) and the pollutant concentrations limits in WAC 173-308-160 Table 3 have been met. This determination has been made under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate the information used to determine that pathogen requirement and vector attraction reduction requirements have been met. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment.

Signature _____ Title _____ Date _____

4) YOU APPLIED BULK BIOSOLIDS EXCEEDING THE WAC 173-308-160 TABLE 3 LIMITS

I certify, under penalty of law, that the requirement to obtain information under WAC 173-308-160(2)(b) has been met for each site on which bulk biosolids were applied. This determination was made under my direction and supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information used to determine that the requirements to obtain information have been met. I am aware that there are significant penalties for false certification including fine and imprisonment.

Signature _____ Title _____ Date _____

5) YOU APPLIED BULK BIOSOLIDS THAT WERE CLASS B FOR PATHOGENS

"I certify, under penalty of law, that the site management and access restrictions in (check as appropriate) WAC 173-308-210(4)(a)(i)-(ix), WAC 173-308-220(4)(a)(i)-(ix), WAC 173-308-230(4)(a)(i)-(ix), or WAC 173-308-240(4)(a)(i)-(ix) have been met for each site on which bulk biosolids were applied. This determination was made under my direction and supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information used to determine that the site management and access restrictions have been met. I am aware that there are significant penalties for false certification including fine and imprisonment."

Signature _____ Title _____ Date _____

6) YOU APPLIED BULK BIOSOLIDS AND USED INCORPORATION OR INJECTION FOR VAR

"I certify, under penalty of law, that the vector attraction reduction requirement in (check as appropriate) WAC 173-308-210(3)(b)(i), WAC 173-308-210(3)(b)(ii), WAC 173-308-220(3)(b)(i), WAC 173-308-220(3)(b)(ii), WAC 173-308-230(3)(b)(i), WAC 173-308-230(3)(b)(ii), WAC 173-308-240(3)(b)(i), or WAC 173-308-240(3)(b)(ii) has been met for each site on which biosolids were applied. This determination was made under my direction and supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information used to determine that the vector attraction reduction and site management requirements have been met. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment."

Signature _____ Title _____ Date _____

7) YOU APPLIED NON-EXCEPTIONAL QUALITY BULK BIOSOLIDS

I certify, under penalty of law, that the site management restrictions in (check as appropriate) WAC 173-308-210(4)(b)(i)-(iii), WAC 173-308-220(4)(b)(i)-(iii), WAC 173-308-230(4)(b)(i)-(iii), or WAC 173-308-240(4)(b)(i)-(iii) were met for each site on which bulk biosolids were applied. This determination was made under my direction and supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information used to determine that the site management restrictions have been met. I am aware that there are significant penalties for false certification including fine and imprisonment.

Signature _____ Title _____ Date _____

2005 Annual Biosolids Data Summary

Month	Avg. Ambient Temp. F.	Avg. Primary Dig. Temp. C.	Avg. Sludge Pumped/Day Gal.	Pri. Dig. Detention Time Days	Avg. Sec. Dig. Temp. C.	Bed Pours Avg. Gal/Day	Sec. Dig. Detention Time Days
January	41	36	12861	58	28	933	33
February	39	35	13243	57	27	1033	32
March	47	37	15823	47	28	1837	26
April	49	37	15402	49	29	934	28
May	57	36	19074	39	29	1895	22
June	58	36	18780	40	30	2983	21
July	59	36	20825	36	30	1954	20
August	59	35	21137	35	31	1954	20
September	56	35	20117	37	25	1024	22
October	52	34	20665	36	29	875	21
November	40	35	21612	35	29	964	20
December	36	36	19893	38	30	1050	22

2004 Annual Averages	49	36	18286	42	29	1453	27
-----------------------------	----	----	-------	----	----	------	----

Biosolids Bench Sheet (Bed Management) Jan 10 - Jun 10 2005

OPERATOR					LABORATORY					DRYING TIME			SLUDGE REMOVAL		
Initials	Date Poured	Bed #	Depth (Inches)	Volume (Gallons)	pH	Initials	Date Tested	T.S. (%)	V.S. (%)	Date Moved/ Combined	To Location Bed #	Initials	Date Hauled	From Bed #	Initials
(b)	01/10/05	22	16.5	29829	7.1	(b)(6)	1/10/05	4.6	66.1	08/22/05	4,16,19	(b)(6)			
(b)(6)	01/18/05	7	28.0	41176	7.0	(b)(6)	1/18/05	NO TESTING							
(b)(6)	02/03/05	4	16.5	29829	7.0	(b)(6)	2/3/05	4.8	65.2						
(b)	02/23/05	15	16.5	29829	7.1	(b)(6)	2/23/05	4.8	65.7						
(b)(6)	03/10/05	11	16.5	29829	7.0	(b)(6)	3/10/05	5.0	62.4						
		8								04/02/05	16	(b)(6)			
		13								04/03/05	16	(b)			
(b)(6)	04/07/05	8	16.5	29829	7.2	(b)(6)	4/7/05	5.0	65.7						
(b)(6)	04/29/05	21	16.5	29829	7.1	(b)(6)	4/29/05	4.8	67.2						
(b)(6)	05/23/05	14	16.5	29829	7.1	(b)(6)	5/23/05	5.1	66.4	05/16/05	16	(b)(6)			
(b)(6)		1								06/10/05	9	(b)(6)			
(b)(6)		16								06/10/05	9	(b)(6)			

Bed Volume = Depth X 1807.8 Common Pours: 15" = 27,147; 15.5" = 28,021; 16" = 28,925; 16.5" = 29,829; 17" = 30,732; 17.5" = 31,637

Biosolids Bench Sheet (Bed Management) Jun 15 - Dec 14 2005

OPERATOR					LABORATORY					DRYING TIME			SLUDGE REMOVAL		
Initials	Date Poured	Bed #	Depth (Inches)	Volume (Gallons)	pH	Initials	Date Tested	T.S. (%)	V.S. (%)	Date Moved/ Combined	To Location Bed #	Initials	Date Hauled	From Bed #	Initials
(b)(6)	06/15/05	13	15.5	29829	7.12	(b)(6)	6/15/05	4.9	66.4						
(b)(6)	06/23/05	23	15.5	29829	6.96	(b)(6)	6/23/05	4.9	66.4						
(b)(6)	06/30/05	1	16.25	31290	7.25	(b)(6)	6/30/05	4.9	66.5						
(b)(6)	07/28/05	7	15.5	29829	6.95	(b)(6)	7/28/05	4.5	66.4						
(b)(6)	07/28/05	3	16.5	29829	7.10	(b)(6)	8/23/05	4.6	66.8						
(b)(6)	08/23/05	2	16.5	29829	6.94	(b)(6)	8/29/05	4.4	67.1						
(b)(6)	09/05/05	4	17.3	31200	7.00	(b)(6)	8/29/05	4.7	68.4						
(b)(6)	09/21/05	22	16.5	29829	6.93	(b)(6)	9/21/05	4.3	67.1						
(b)(6)	10/19/05	17	16.5	29829	7.00	(b)(6)	10/19/05	4.4	67.9						
(b)(6)	11/14/05	18	16.5	29829	7.00	(b)(6)	11/14/05	4.7	65.4						
(b)(6)	11/27/05	19	16.5	29829	7.03	(b)(6)	11/27/05	4.5	67.7						
(b)(6)	12/14/06	5	17.5	31637	6.95	(b)(6)	12/14/05	4.5	68.8						

Bed Volume = Depth X 1807.8 Common Pours: 15" = 27,117; 15.5" = 28,021; 16" = 28,925; 16.5" = 29,829; 17" = 30,732; 17.5" = 31,637

Digestion Solids Data Year 2005

Date	% Total Solids Raw Sludge	% Volatile Solids Raw Sludge	% Total Solids Digested Sludge	% Volatile Solids Digested Sludge	Through Primary Digestion
Averages for 2005	3.19	84.3	1.73	72.1	% Reduction of Volatile Solids
Decimal		0.843		0.721	51.9

Date	% Total Solids Raw Sludge	% Volatile Solids Raw Sludge	% Total Solids Bed Biosolids	% Volatile Solids Bed Biosolids	Through Beds
Averages for 2005	3.19	84.3	4.65	66.8	% Reduction of Volatile Solids
Decimal		0.843		0.668	62.5

Anatek Labs, Inc.

1282 Alturas Drive • Moscow, ID 83843 • (b)(6) • Fax (b)(6) • email (b)(6)
504 E Sprague Ste. D • Spokane WA 99202 • (b)(6) • Fax (b)(6) • email (b)(6)

FORT LEWIS

(b)(6)

BLDG 2012--AFZH-PWE-MS17
FORT LEWIS, WA 98433

Project: WASTEWATER TREATMENT PLANT

Report Date: 22-Apr-05

Certificate of Analysis

Sample Name: 1 Date Received: 4/7/2005
Sample Location: Sampling Date: 3/31/2005
Lab Sample Number: 05X1053-01 Sampling Time: 16:30
Matrix BIOSOLID

Analyte	Result	Units	PQL	Analysis Date	Initials	Method
Total Coliform	1440	MPN/g	2	4/14/2005	KAS	SM 9221D
Fecal Coliform	<2	MPN/g	2	4/14/2005	KAS	SM 9221E

Sample Name: 2 Date Received: 4/7/2005
Sample Location: Sampling Date: 3/31/2005
Lab Sample Number: 05X1053-02 Sampling Time: 16:31
Matrix BIOSOLID

Analyte	Result	Units	PQL	Analysis Date	Initials	Method
Total Coliform	2360	MPN/g	2	4/14/2005	KAS	SM 9221D
Fecal Coliform	28	MPN/g	2	4/14/2005	KAS	SM 9221E

Sample Name: 3 Date Received: 4/7/2005
Sample Location: Sampling Date: 3/31/2005
Lab Sample Number: 05X1053-03 Sampling Time: 16:32
Matrix BIOSOLID

Analyte	Result	Units	PQL	Analysis Date	Initials	Method
Total Coliform	1110	MPN/g	2	4/14/2005	KAS	SM 9221D
Fecal Coliform	7	MPN/g	2	4/14/2005	KAS	SM 9221E

Sample Name: 4 Date Received: 4/7/2005
Sample Location: Sampling Date: 3/31/2005
Lab Sample Number: 05X1053-04 Sampling Time: 16:33
Matrix BIOSOLID

Analyte	Result	Units	PQL	Analysis Date	Initials	Method
Total Coliform	729	MPN/g	2	4/14/2005	KAS	SM 9221D
Fecal Coliform	<2	MPN/g	2	4/14/2005	KAS	SM 9221E

Anatek Labs, Inc.

1282 Alturas Drive • Moscow, ID 83843 • (b)(6) • Fax (b)(6) • email (b)(6)
504 E Sprague Ste. D • Spokane WA 99202 • (b)(6) • Fax (b)(6) • email (b)(6)

FORT LEWIS

(b)(6)

Project: WASTEWATER TREATMENT PLANT

BLDG 2012--AFZH-PWE-MS17

Report Date: 22-Apr-05

FORT LEWIS, WA 98433

Certificate of Analysis

Sample Name: 5 Date Received: 4/7/2005
Sample Location: Sampling Date: 3/31/2005
Lab Sample Number: 05X1053-05 Sampling Time: 16:35
Matrix: BIOSOLID

Analyte	Result	Units	PQL	Analysis Date	Initials	Method
Total Coliform	1350	MPN/g	2	4/14/2005	KAS	SM 9221D
Fecal Coliform	<2	MPN/g	2	4/14/2005	KAS	SM 9221E

Sample Name: 6 Date Received: 4/7/2005
Sample Location: Sampling Date: 3/31/2005
Lab Sample Number: 05X1053-06 Sampling Time: 16:38
Matrix: BIOSOLID

Analyte	Result	Units	PQL	Analysis Date	Initials	Method
Total Coliform	1400	MPN/g	2	4/14/2005	KAS	SM 9221D
Fecal Coliform	<2	MPN/g	2	4/14/2005	KAS	SM 9221E

Sample Name: 7 Date Received: 4/7/2005
Sample Location: Sampling Date: 3/31/2005
Lab Sample Number: 05X1053-07 Sampling Time: 16:40
Matrix: BIOSOLID

Analyte	Result	Units	PQL	Analysis Date	Initials	Method
Total Coliform	>1560	MPN/g	2	4/14/2005	KAS	SM 9221D
Fecal Coliform	7	MPN/g	2	4/14/2005	KAS	SM 9221E

(b)(6)

Approved by: _____

ND Not Detected

PQL Quantitation Limit

Soil/solid results are dry weight basis

Page 2 of 2



1282 Alturas Dr Moscow ID 83843 (b)(6) FAX 882-9246
 504 E Sprague Ste D, Spokane WA 99202 (b)(6) FAX 838-4433
 Email: (b)(6)

April 22, 2005

Fort Lewis PW-ENRD
 Public Works Division: AFZH-PWE MS-17
 Fort Lewis, WA 98433-9500

Project Manager: (b)(6)
 Project #: WWTP Biosolids
 Date Received: 4/7/05
 Date Sampled: 3/31/05
 Sample: 8

Laboratory Project #: 05X1053-08

Sample results are dry weight basis unless indicated. ND = Not Detected

Analyte	Result	Units	PQL	Method	Analysis Date
Total Solids (% of Wet)	28.8	%	0.1		4/19/2005
Total Volatile Solids (% of Dry)	60.2	%	0.1	EPA 160.4	4/19/2005
pH	6.15			EPA 150.1	4/8/2005
TKN	30800	mg/Kg	300.0	EPA 351.3	4/8/2005
NO3-N	133	mg/Kg	10.0	EPA 300.0	4/19/2005
NH3-N	1240	mg/Kg	10.0	EPA 350.2	4/8/2005
Total P	33400	mg/Kg	300.0	EPA 365.2	4/14/2005
Potassium	1820	mg/Kg	1	EPA 6020	4/22/2005
Arsenic	12	mg/Kg	1	EPA 6020	4/19/2005
Cadmium	10	mg/Kg	1	EPA 6020	4/19/2005
Chromium	40	mg/Kg	1	EPA 6020	4/19/2005
Copper	888	mg/Kg	1	EPA 6020	4/19/2005
Lead	88	mg/Kg	1	EPA 6020	4/19/2005
Mercury	5	mg/Kg	1	EPA 7471A	4/19/2005
Molybdenum	20	mg/Kg	1	EPA 6020	4/19/2005
Nickel	23	mg/Kg	1	EPA 6020	4/19/2005
Selenium	12	mg/Kg	1	EPA 6020	4/19/2005
Silver	10	mg/Kg	1	EPA 6020	4/19/2005
Zinc	1760	mg/Kg	1	EPA 6020	4/19/2005
Benzo(a)pyrene	ND	mg/Kg	5.0	EPA 8270C	4/20/2005
Dimethyl nitrosoamine	ND	mg/Kg	5.0	EPA 8270C	4/20/2005
Hexachlorobenzene	ND	mg/Kg	5.0	EPA 8270C	4/20/2005
Trichloroethylene	ND	mg/Kg	0.1	EPA 8260B	4/12/2005
PCB's (total)	ND	mg/Kg	1.0	EPA 8082	4/16/2005
Hexachlorobutadiene	ND	mg/Kg	5.0	EPA 8270C	4/16/2005
Toxaphene	ND	mg/Kg	0.5	EPA 8081A	4/16/2005
Aldrin+Dieldrin	ND	mg/Kg	0.1	EPA 8081A	4/16/2005
Chlordane	ND	mg/Kg	0.1	EPA 8081A	4/16/2005
DDT+DDE+DDD	ND	mg/Kg	0.1	EPA 8081A	4/16/2005
Heptachlor	ND	mg/Kg	0.1	EPA 8081A	4/16/2005
Lindane	ND	mg/Kg	0.1	EPA 8081A	4/16/2005

(b)(6)

Laboratory Supervisor



1282 Alturas Dr Moscow ID 83843 (b)(6) FAX 882-9246
 504 E Sprague Ste D, Spokane WA 99202 (b)(6) FAX 838-4433
 Email: (b)(6)

July 6, 2005

Fort Lewis PW-ENRD
 Public Works Division: AFZH-PWE MS-17
 Fort Lewis, WA 98433-9500

Project Manager: (b)(6)
 Project #: WWTP Biosolids
 Date Received: 6/15/05
 Date Sampled: 6/14/05
 Sample: WW-20050614-S

Laboratory Project #: 05X1936-01

Sample results are dry weight basis unless indicated. ND = Not Detected

Analyte	Result	Units	PQL	Method	Analysis Date
Total Solids (% of Wet)	11.7	%	0.1		7/5/2005
Total Volatile Solids (% of Dry)	54.1	%	0.1	EPA 160.4	7/5/2005
pH	7.25			EPA 150.1	6/27/2005
TKN	35100	mg/Kg	300	EPA 351.3	6/22/2005
NO3-N	ND	mg/Kg	10.0	EPA 300.0	6/17/2005
NH3-N	13400	mg/Kg	10.0	EPA 350.2	6/22/2005
Total P	33800	mg/Kg	300	EPA 365.2	6/22/2005
Potassium	1810	mg/Kg	1	EPA 6020	6/20/2005
Arsenic	7	mg/Kg	1	EPA 6020	6/20/2005
Cadmium	8	mg/Kg	1	EPA 6020	6/20/2005
Chromium	40	mg/Kg	1	EPA 6020	6/20/2005
Copper	828	mg/Kg	1	EPA 6020	6/20/2005
Lead	65	mg/Kg	1	EPA 6020	6/20/2005
Mercury	3	mg/Kg	1	EPA 7471A	6/20/2005
Molybdenum	20	mg/Kg	1	EPA 6020	6/20/2005
Nickel	24	mg/Kg	1	EPA 6020	6/20/2005
Selenium	11	mg/Kg	1	EPA 6020	6/20/2005
Silver	7	mg/Kg	1	EPA 6020	6/20/2005
Zinc	1700	mg/Kg	1	EPA 6020	6/20/2005
Benzo(a)pyrene	ND	mg/Kg	5.0	EPA 8270C	6/22/2005
Dimethyl nitrosoamine	ND	mg/Kg	5.0	EPA 8270C	6/22/2005
Hexachlorobenzene	ND	mg/Kg	5.0	EPA 8270C	6/22/2005
Trichloroethylene	ND	mg/Kg	0.1	EPA 8260B	6/15/2005
PCB's (total)	ND	mg/Kg	1.0	EPA 8082	6/29/2005
Hexachlorobutadiene	ND	mg/Kg	5.0	EPA 8270C	6/22/2005
Toxaphene	ND	mg/Kg	0.5	EPA 8081A	6/29/2005
Aldrin+Dieldrin	ND	mg/Kg	0.1	EPA 8081A	6/29/2005
Chlordane	ND	mg/Kg	0.1	EPA 8081A	6/29/2005
DDT+DDE+DDD	ND	mg/Kg	0.1	EPA 8081A	6/29/2005
Heptachlor	ND	mg/Kg	0.1	EPA 8081A	6/29/2005
Lindane	ND	mg/Kg	0.1	EPA 8081A	6/29/2005

(b)(6)

Approved by:

John Coddington, Ph.D.
 Laboratory Supervisor

Anatek Labs, Inc.

1282 Alturas Drive • Moscow, ID 83843 • (b)(6) • Fax (b)(6) • email (b)(6)
 504 E Sprague Ste. D • Spokane WA 99202 • (b)(6) • Fax (b)(6) • email (b)(6)

FORT LEWIS

(b)(6)
 BLDG 2012--AFZH-PWE-MS17
 FORT LEWIS, WA 98433

Project: WWTP
 Report Date: 25-Jan-06

Certificate of Analysis

Total Metals - Method EPA 6020

Sample Name:	WW-BS-2006-0106-BD21	Analyte	Result	Units	PQL	Method
Sample Location:		Arsenic	20.5	mg/Kg	0.5	EPA 6020A
Sampling Date:	1/9/2006	Cadmium	26.0	mg/Kg	0.5	EPA 6020A
Sampling Time:	16:35	Chromium	105	mg/Kg	0.5	EPA 6020A
Date Received:	1/12/2006	Copper	2560	mg/Kg	0.5	EPA 6020A
Lab #:	06X0133-01	Lead	214	mg/Kg	0.5	EPA 6020A
Matrix:	BIOSOLID	Mercury	10.1	mg/Kg	0.1	EPA 6020A
Analysis Date:	1/23/2006	Nickel	64.6	mg/Kg	0.5	EPA 6020A
Analyst:	RAS	Potassium	2080	mg/Kg	50.0	EPA 6020A
% Solid:	11.2	Selenium	35.1	mg/Kg	0.5	EPA 6020A
Wt. Basis:	Dry Wt Basis	Silver	24.4	mg/Kg	0.5	EPA 6020A
		Zinc	5500	mg/Kg	0.5	EPA 6020A

Sample Name:	WW-BS-2006-0106-COMP	Analyte	Result	Units	PQL	Method
Sample Location:		Arsenic	7.8	mg/Kg	0.5	EPA 6020A
Sampling Date:	1/9/2006	Cadmium	8.4	mg/Kg	0.5	EPA 6020A
Sampling Time:	16:10	Chromium	45.1	mg/Kg	0.5	EPA 6020A
Date Received:	1/12/2006	Copper	970	mg/Kg	0.5	EPA 6020A
Lab #:	06X0133-02	Lead	76.2	mg/Kg	0.5	EPA 6020A
Matrix:	BIOSOLID	Mercury	3.6	mg/Kg	0.1	EPA 6020A
Analysis Date:	1/23/2006	Nickel	27.0	mg/Kg	0.5	EPA 6020A
Analyst:	RAS	Potassium	810	mg/Kg	50.0	EPA 6020A
% Solid:	14.8	Selenium	12.7	mg/Kg	0.5	EPA 6020A
Wt. Basis:	Dry Wt Basis	Silver	8.5	mg/Kg	0.5	EPA 6020A
		Zinc	1840	mg/Kg	0.5	EPA 6020A

Sample Name:	WW-BS-2006-0106-BD16	Analyte	Result	Units	PQL	Method
Sample Location:		Arsenic	8.0	mg/Kg	0.5	EPA 6020A
Sampling Date:	1/9/2006	Cadmium	9.9	mg/Kg	0.5	EPA 6020A
Sampling Time:	16:20	Chromium	41.7	mg/Kg	0.5	EPA 6020A
Date Received:	1/12/2006	Copper	1000	mg/Kg	0.5	EPA 6020A
Lab #:	06X0133-03	Lead	78.2	mg/Kg	0.5	EPA 6020A
Matrix:	BIOSOLID	Mercury	3.6	mg/Kg	0.1	EPA 6020A
Analysis Date:	1/23/2006	Nickel	26.3	mg/Kg	0.5	EPA 6020A
Analyst:	RAS	Potassium	2110	mg/Kg	50.0	EPA 6020A
% Solid:	36.1	Selenium	13.0	mg/Kg	0.5	EPA 6020A
Wt. Basis:	Dry Wt Basis	Silver	8.5	mg/Kg	0.5	EPA 6020A
		Zinc	2090	mg/Kg	0.5	EPA 6020A

(b)(6)

Approved by:

EXHIBIT 191



DEPARTMENT OF THE ARMY
HEADQUARTERS, I CORPS AND FORT LEWIS
BOX 339600 Building 2012
FORT LEWIS, WASHINGTON 98433-9600

REPLY TO
ATTENTION OF:

16 February 2007

Public Works

Biosolids Coordinator
Department of Ecology - HQ
PO Box 47600
Olympia, WA 98504-7600

This report is being submitted pursuant to the requirements of WAC 173-308-295. Enclosed you will find the Annual Biosolids Report for Fort Lewis, covering the period from 1 January 2006 through 31 December 2006. Also enclosed are biosolids monitoring results for the year, and applicable operational records.

1. In 2006, a total of 89.4 dry tons of biosolids were treated and processed at the Fort Lewis Wastewater Treatment Plant. A total of 12.5 dry tons of biosolids were transported to the Fort Lewis Composting Pilot Facility at Bldg 7600 (EcoPark), Fort Lewis, WA 98433. In 2006, Primary Digester No. 1 was cleaned under contract. An additional 180.8 dry tons of material which included a mixture of sludge, digester grit and a bulking agent was disposed of at the Land Recovery Inc. 304th St Landfill in Pierce County after receiving a Waste Disposal Authorization. All remaining biosolids (76.9 dry tons) are in temporary storage at the Solo Wastewater Treatment Plant.
2. All biosolids at the Waste Water Treatment Plant were treated to Class B standards and processed in accordance with the requirements of WAC 173-308-170(3)(b)(ii) and (iii) for pathogen reduction and WAC 173-380-180(2) for vector attraction reduction. Minimum drying times were in excess of 90 days. Average monthly ambient temperatures were above 0 degrees C during drying. Records showing mean detention times for primary and secondary digesters are also enclosed.
3. Biosolids transported to the composting facility were treated to Class A standards via Alternative 1 (Time and Temperature) as indicated in Section E: Pathogen Reduction. Pathogen and vector reduction data is kept on file at the Fort Lewis EcoPark. Composted material is in temporary storage and has not been land applied. Fort Lewis has submitted a solid waste handling permit application to the Tacoma/Pierce County Health Department to cover operations at the EcoPark facility.
4. Enclosed with this report are: The Department of Ecology 2006 Annual Biosolids Report form, the laboratory results that verify compliance with the requirements of WAC 173-308-160(4) Tables 1 and 3 for pollutant concentrations, and the summary of operation logs.

If you have questions about this report, please contact me at (b)(6), or email (b)(6)

Sincerely,

(b)(6)

(b)(6)

Water Program Manager

Enclosures

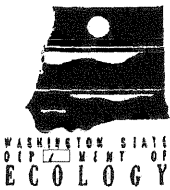
cc:

Biosolids Coordinator
Department of Ecology - SWRO
PO Box 47775
Olympia, WA 98504-7775

USEPA Region 10
NPDES Compliance Unit (OC-133)
Biosolids Reports (ATTN: (b)(6))
1200 Sixth Avenue
Seattle, WA 98101

Tacoma-Pierce County Health Department
ATTN: (b)(6)
3629 South D St.
Tacoma, WA 98418

Fort Lewis Wastewater Treatment Plant
ATTN: IMNW-LEW-PWE (b)(6)
Box 339500, MS 17
Fort Lewis, WA 98433-9500



Annual Biosolids Report

Wastewater Treatment Facilities and Facilities

Further Treating Biosolids For Calendar Year: 2006

This annual biosolids report is for wastewater treatment facilities and facilities that engage in the further treatment of biosolids or sewage sludge and must be submitted as required by WAC 173-308-295. The due date for the annual report is March 1. The information reported must be from the previous calendar year, January 01-December 31, except where noted. Please use N/A where appropriate.

SECTION A: FACILITY INFORMATION

- 1) Facility Name: Fort Lewis - Solo Wastewater Treatment Plant
- 2) Authority/owner name US Army Fort Lewis
- 3) Facility Address: Building 7500 Solo Point Rd City: Fort Lewis State: WA Zip: 98433
- 4) Facility Mailing Address: PW-ED, MS 17; Box 339500 City: Fort Lewis State: WA Zip: 98433
- 5) Primary Contact Name: (b)(6) Title: Plant Operator Supervisor
- 6) Primary Contact Phone: (b)(6) Email: (b)(6)
- 7) Responsible Official Name: (b)(6) Title: Public Works Director
- 8) Responsible Official Phone: (b)(6) Email: (b)(6)
- 9) Facility classification
 - a) This is a "Major" facility (design flow of ≥ 1 million mgd or serving a population of $\geq 10,000$)
 - b) This is a "Minor" facility (design flow of < 1 million mgd and serving a population of $< 10,000$)
 - c) This is a "Class I" facility
- .) NPDES Permit #: WA-002915-4 Issuance Date: Feburary 1, 2004 Expiration Date: February 1, 2009
- .) State Waste Discharge Permit #: _____ Issuance Date: _____ Expiration Date: _____

SECTION B: BIOSOLIDS OR SEWAGE SLUDGE PRODUCTION & MANAGEMENT (Not applicable to lagoons unless solids were removed.)

- 1) Produced by your facility: 89.4 dry tons
- 2) Received from another facility: N/A dry tons
Name(s)/subtotal(s): _____
- 3) Sent to another facility for further treatment: 12.5 dry tons
Name(s)/subtotal(s): Fort Lewis Eco-Park for composting.
- 4) Sent to a municipal solid waste landfill for disposal: 180.8 dry tons
Name(s)/subtotal(s): Land Recovery Inc. 304th St Landfill in Pierce County / 122.87 dt (July 2006); 57.95 dt (September 2006). Bulking agent combined with sludge during cleaning of the Primary Digester No. 1.
- 5) Sent to an incinerator or incinerated at your facility: N/A dry tons
Name(s)/subtotal(s): _____
- 6) Temporarily stored on-site (less than 2 years): 76.9 dry tons
- 7) Sent to a permitted biosolids beneficial use facility: N/A dry tons
Name(s)/subtotal(s): _____
- 8) Applied to agricultural land by you or your agent: N/A dry tons
- 9) Applied to forest land by you or your agent: N/A dry tons
- 10) Applied to a public contact site by you or your agent: N/A dry tons
- 11) Applied to a land reclamation site by you or your agent: N/A dry tons
 - .) Applied to a lawn or home garden by you or your agent: N/A dry tons
 - .) Sold or given away by you in bulk: N/A dry tons

Sold or given away by you in a bag or other container: N/A dry tons

) Sold or given away by you in a compost or blended product: N/A dry tons

16) Land application sites for non-exceptional quality biosolids (attach additional sheets if necessary):

a) Section/Township/Range: _____ Dry tons applied: _____ Acres applied to: _____
Application rate: dry tons/acre Crop: _____ Nitrogen requirement: pounds/acre/year

b) Section/Township/Range: _____ Dry tons applied: _____ Acres applied to: _____
Application rate: dry tons/acre Crop: _____ Nitrogen requirement: pounds/acre/year

17) Sites subject to the cumulative pollutant loading rates in WAC 173-308-160 Table 2 and where $\geq 90\%$ of the loading rate has been reached; attach to this report the following:

a) The information in WAC 173-308-290(4)(c)(i)-(v)

b) A description of how the requirement to obtain information under WAC 173-308-160(2)(b) was met

SECTION C: FOR COMPOSTING FACILITIES—NON-BIOSOLIDS FEEDSTOCKS

1) Feedstock: _____ Amount: _____ dry tons County of origin: _____

2) Feedstock: _____ Amount: _____ dry tons County of origin: _____

3) Feedstock: _____ Amount: _____ dry tons County of origin: _____

SECTION D: FOR LAGOON FACILITIES—SOLIDS ACCUMULATED OR STORED

1) Estimated solids accumulated or stored in a lagoon system _____ dry tons

SECTION E: PATHOGEN REDUCTION (check all that apply)

<input checked="" type="checkbox"/> Class A - Alternative 1 <i>Time and Temperature (EcoPark)</i>	<input type="checkbox"/> Class A - Alternative 2 <i>pH, Temperature and Time</i>	<input type="checkbox"/> Class A - Alternative 3 <i>Process verification</i>
<input type="checkbox"/> Class A - Alternative 4 <i>Ich verification</i>	<input type="checkbox"/> Class A - Alternative 5 <i>Process to Further Reduce Pathogens</i> <input type="checkbox"/> Composting <input type="checkbox"/> Heat drying <input type="checkbox"/> Heat treatment <input type="checkbox"/> Thermophilic aerobic digestion <input type="checkbox"/> Beta ray irradiation <input type="checkbox"/> Gamma ray irradiation <input type="checkbox"/> Pasteurization	<input type="checkbox"/> Class A - Alternative 6 <i>Equivalency</i>
<input type="checkbox"/> Class B - Alternative 1 <i>Seven Samples</i> _____ MPN/dry gram GEOMEAN	<input checked="" type="checkbox"/> Class B - Alternative 2 (@ WWTP) <i>Process to Significantly Reduce Pathogens</i> <input type="checkbox"/> Aerobic digestion <input checked="" type="checkbox"/> Air drying <input checked="" type="checkbox"/> Anaerobic digestion <input type="checkbox"/> Composting <input type="checkbox"/> pH stabilization	<input type="checkbox"/> Class B - Alternative 3 <i>Equivalency</i>

Does not meet requirements. Please explain: _____

SECTION F: VECTOR ATTRACTION REDUCTION (check all that apply)

<input checked="" type="checkbox"/> Alternative 1 <i>38% volatile solids reduction</i>	<input type="checkbox"/> Alternative 2 <i>Bench test for anaerobically digested biosolids</i>	<input type="checkbox"/> Alternative 3 <i>Bench test for aerobically digested biosolids</i>	<input type="checkbox"/> Alternative 4 <i>SOUR test</i>	<input type="checkbox"/> Alternative 5 <i>Aerobic treatment for ≥ 14 days at $\geq 40^\circ\text{C}$ with an average of $\geq 45^\circ\text{C}$</i>
<input type="checkbox"/> Alternative 6 <i>pH adjustment</i>	<input type="checkbox"/> Alternative 7 <i>$\geq 75\%$ solids for biosolids containing only stabilized solids</i>	<input type="checkbox"/> Alternative 8 <i>$\geq 90\%$ solids for biosolids containing any unstabilized solids</i>	<input type="checkbox"/> Alternative 9 <i>Immediate injection</i>	<input type="checkbox"/> Alternative 10 <i>Incorporation within 6 hours after application</i>

Does not meet requirements. Please explain: _____

SECTION G: POLLUTANT CONCENTRATIONS

1) How many monitoring events for pollutants did your facility carry out during the past year? 3

2) If at any time the monthly average for any pollutant(s) exceeded the value in Table 3 of WAC 173-308-160, list the pollutant(s): Zinc and Copper (January 2006) only for Bed #21

If at any time the concentration for any pollutant(s) exceeded the value in Table 1 of WAC 173-308-160, list the pollutant(s): N/A

SECTION H: ATTACHMENTS (check all that apply)

- 1) Analytical data for pollutant concentrations
- 2) Process monitoring and/or analytical data for pathogen reduction
- 3) Process monitoring and/or analytical data for vector attraction reduction
- 4) Soil monitoring data
- 5) Water monitoring data
- 6) Other. Please describe: _____

SECTION I: ANNUAL REPORT FORM CERTIFICATION STATEMENT

"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, the possibility of fine and imprisonment for knowing violations."

Signature (b)(6) Title Water Program Manager Date 16 Feb 07

SECTION J: SUBMITTING YOUR ANNUAL REPORT

- 1) Original to Ecology headquarters
- 2) Copy(ies) to the Ecology region(s) where your biosolids or sewage sludge will be treated, stored, disposed, or applied to the land
 - Copy(ies) to the local health jurisdiction(s) where your biosolids or sewage sludge will be treated, stored, disposed, or applied to the land
- 4) Copy to EPA Region 10 by February 19 (Holiday) if a "Major" or "Class I" facility

MAILING ADDRESSES

Biosolids Coordinator Department of Ecology—CRO 15 West Yakima Avenue, Suite 200 Yakima, WA 98902	Biosolids Coordinator Department of Ecology—ERO North 4601 Monroe Spokane, WA 99205-1295	Biosolids Coordinator Department of Ecology—NWRO 3190 – 160 th Avenue S.E. Bellevue, WA 98008-5452
Biosolids Coordinator Department of Ecology--SWRO PO Box 47775 Olympia, WA 98504-7775	Biosolids Coordinator Department of Ecology—HQ PO Box 47600 Olympia, WA 98504-7600	USEPA Region 10 NPDES Compliance Unit (OCE-133) Biosolids Reports 1200 Sixth Avenue Seattle, WA 98101 ATTN: Cindy Phung

If you require this publication in an alternate format, please contact the Solid Waste & Financial Assistance Program at 360-407-6900. Persons with hearing loss can call 711 for Washington Relay Service. Persons with a speech disability can call 877-833-6341.

Biosolids Bench Sheet (Bed Management)

OPERATOR					LABORATORY					DRYING TIME			SLUDGE REMOVAL		
Initials	Date Poured	Bed #	Depth (Inches)	Volume (Gallons)	Initials	Date Tested	pH	T.S. (%)	V.S. (%)	Date Moved/ Combined	To Location Bed #	Initials	Date Hauled	From Bed #	Initials
JJRJGD	02/10/06	20	17	30,733	GD	02/10/06	6.99			(g)					
BG	03/20/06	9	17.5	31,637	BG	03/20/06	6.97				16/10				
GD	04/07/06	6	17	30,733	GD	04/07/06	6.92				10				
GD	04/20/06	21	17	30,733	GD	04/27/06	6.99								
BG	04/27/06	7	17	30,733	JL	06/28/06	7.0				10				
RJ/JL	06/28/06	24	17	30,733	JC	07/04/06	7.0								
RR/GI	07/27/06	1	17	30,733	GD	08/02/06	6.96								
RR/GI	08/02/06	12	17	30,733	GD	08/02/06	6.97				1	JL			
JL	08/08/06	13	17	30,733	JL	08/08/06	7.0				1	JL			
JL	08/10/06	18/20/23	Digester No. 1 material from contractor's Baker Tanks.								01/15/07	18 to 20	JL		
RAR	08/24/06	8	16	28,925	JC	08/28/06	6.92	4.52	69.2						
GD										08/26/06	3 to 10	GD			
GD										08/27/06	4 to 3	GD			
JJRJGD	09/20/06	6	17	30,733	GD	09/20/06	7.01	4.43	65.9						
JJRJGD	11/16/06	17	16	28,925	JC	10/16/06	6.80	4.69	68.3						
RR/GI	11/18/06	3	17.5	31,637	GD	11/18/06	7.0	4.33	66.6						
JL	12/18/06	21	17.5	31,637	JL	12/18/06	7.0	4.36	67.1						
GD/RR	12/28/06	5	16.5	29,829	GD	12/18/06	7.0	4.45	67.3						
Bed Volume = Depth X 1807.8 Common Pours: 15" = 27,117; 15.5" = 28,021; 16" = 28,925; 16.5" = 29,829; 17" = 30,733; 17.5" = 31,637															

2006 Annual Biosolids Data Summary

Month	Avg. Ambient Temp. F.	Avg. Primary Dig. Temp. C.	Avg. Sludge Pumped/Day Gal.	Pri. Dig. Detention Time Days	Avg. Sec. Dig. Temp. C.	Bed Pours Avg. Gal./Day	Sec. Dig. Detention Time Days
January	42	35	17,211	44	30	0	27
February	38	36	12,064	62	30	1,060	35
March	42	36	12,289	61	30	1,021	35
April	46	36	18,981	40	30	3,073	21
May	51	37	15,901	47	29	0	29
June	58	36	21,160	35	30	1,024	21
July	66	36	19,975	38	31	991	22
August	63	36	15,137	50	31	2,916	25
September	58	35	13,824	54	31	1,024	31
October	52	36	12,267	61	31	933	35
November	44	37	18,332	41	31	1,055	24
December	39	37	13,819	54	30	1,983	29
2006 Annual Averages	50	36	15,913	49	30	1,257	31

Digestion Solids Data Year 2006					
Date	% Total Solids Raw Sludge	% Volatile Solids Raw Sludge	% Total Solids Digested Sludge	% Volatile Solids Digested Sludge	Through Primary Digestion
Averages for 2004	3.10	82.8	1.72	70.7	% Reduction of Volatile Solids
Decimal		0.828		0.707	49.9

Date	% Total Solids Raw Sludge	% Volatile Solids Raw Sludge	% Total Solids Bed Biosolids	% Volatile Solids Bed Biosolids	Through Beds
Averages for 2004	3.10	82.8	4.67	67.8	% Reduction of Volatile Solids
Decimal		0.828		0.678	56.3

Anatek Labs, Inc.

1282 Alturas Drive • Moscow, ID 83843 • (b)(6) • Fax (b)(6) • email (b)(6)
 504 E Sprague Ste. D • Spokane WA 99202 • (b)(6) • Fax (b)(6) • email (b)(6)

FORT LEWIS

(b)(6)

Project: WWTP

Report Date:

25-Jan-06

BLDG 2012--AFZH-PWE-MS17

FORT LEWIS, WA 98433

Certificate of Analysis

Total Metals - Method EPA 6020

Sample Name:	WW-BS-2006-0106-BD21	Analyte	Result	Units	PQL	Method
Sample Location:		Arsenic	20.5	mg/Kg	0.5	EPA 6020A
Sampling Date:	1/9/2006	Cadmium	26.0	mg/Kg	0.5	EPA 6020A
Sampling Time:	16:35	Chromium	105	mg/Kg	0.5	EPA 6020A
Date Received:	1/12/2006	Copper	2560	mg/Kg	0.5	EPA 6020A
Lab #:	06X0133-01	Lead	214	mg/Kg	0.5	EPA 6020A
Matrix:	BIOSOLID	Mercury	10.1	mg/Kg	0.1	EPA 6020A
Analysis Date:	1/23/2006	Nickel	64.6	mg/Kg	0.5	EPA 6020A
Analyst:	RAS	Potassium	2080	mg/Kg	50.0	EPA 6020A
% Solid:	11.2	Selenium	35.1	mg/Kg	0.5	EPA 6020A
Wt. Basis:	Dry Wt Basis	Silver	24.4	mg/Kg	0.5	EPA 6020A
		Zinc	5500	mg/Kg	0.5	EPA 6020A

Sample Name:	WW-BS-2006-0106-COMP	Analyte	Result	Units	PQL	Method
Sample Location:		Arsenic	7.8	mg/Kg	0.5	EPA 6020A
Sampling Date:	1/9/2006	Cadmium	8.4	mg/Kg	0.5	EPA 6020A
Sampling Time:	16:10	Chromium	45.1	mg/Kg	0.5	EPA 6020A
Date Received:	1/12/2006	Copper	970	mg/Kg	0.5	EPA 6020A
Lab #:	06X0133-02	Lead	76.2	mg/Kg	0.5	EPA 6020A
Matrix:	BIOSOLID	Mercury	3.6	mg/Kg	0.1	EPA 6020A
Analysis Date:	1/23/2006	Nickel	27.0	mg/Kg	0.5	EPA 6020A
Analyst:	RAS	Potassium	810	mg/Kg	50.0	EPA 6020A
% Solid:	14.8	Selenium	12.7	mg/Kg	0.5	EPA 6020A
Wt. Basis:	Dry Wt Basis	Silver	8.5	mg/Kg	0.5	EPA 6020A
		Zinc	1840	mg/Kg	0.5	EPA 6020A

Sample Name:	WW-BS-2006-0106-BD16	Analyte	Result	Units	PQL	Method
Sample Location:		Arsenic	8.0	mg/Kg	0.5	EPA 6020A
Sampling Date:	1/9/2006	Cadmium	9.9	mg/Kg	0.5	EPA 6020A
Sampling Time:	16:20	Chromium	41.7	mg/Kg	0.5	EPA 6020A
Date Received:	1/12/2006	Copper	1000	mg/Kg	0.5	EPA 6020A
Lab #:	06X0133-03	Lead	78.2	mg/Kg	0.5	EPA 6020A
Matrix:	BIOSOLID	Mercury	3.6	mg/Kg	0.1	EPA 6020A
Analysis Date:	1/23/2006	Nickel	26.3	mg/Kg	0.5	EPA 6020A
Analyst:	RAS	Potassium	2110	mg/Kg	50.0	EPA 6020A
% Solid:	36.1	Selenium	13.0	mg/Kg	0.5	EPA 6020A
Wt. Basis:	Dry Wt Basis	Silver	8.5	mg/Kg	0.5	EPA 6020A
		Zinc	2090	mg/Kg	0.5	EPA 6020A

(b)(6)

Approved by:

ND Not Detected

PQL Practical Quantitation Limit

Metals Report

Page 1 of 1



1282 Alturas Dr Moscow ID 83843 (208) 883-2839 FAX 882-9246
 504 E Sprague Ste D, Spokane WA 99202 (509) 838-3999 FAX 838-4433
 Email: moscow@anateklab.com

July 20, 2006

Fort Lewis PW-ENRD
 Public Works Division: AFZH-PWE MS-17
 Fort Lewis, WA 98433-9500

Project Manager: (b)(6)
 Project #: WWTP Biosolids
 Date Received: 6/22/06
 Date Sampled: 6/21/06
 Sample: WW-20060621-S

Laboratory Project #: 06X2020

Sample results are dry weight basis unless indicated. ND = Not Detected

Analyte	Result	Units	PQL	Method	Analysis Date
Total Solids (% of Wet)	24.6	%	0.1		7/7/2006
Total Volatile Solids (% of Dry)	65.6	%	0.1	EPA 160.4	7/7/2006
pH	7.17			EPA 150.1	7/1/2006
TKN	18800	mg/Kg	300.0	EPA 351.3	7/18/2006
NO3-N	390	mg/Kg	10.0	EPA 300.0	7/10/2006
NH3-N	4170	mg/Kg	10.0	EPA 350.2	7/11/2006
Total P	18400	mg/Kg	300.0	EPA 365.2	7/17/2006
Potassium	1410	mg/Kg	1	EPA 6020	6/25/2006
Arsenic	4.7	mg/Kg	0.5	EPA 6020	6/25/2006
Cadmium	4.8	mg/Kg	0.5	EPA 6020	6/25/2006
Chromium	21.0	mg/Kg	0.5	EPA 6020	6/25/2006
Copper	538	mg/Kg	0.5	EPA 6020	6/25/2006
Lead	38.1	mg/Kg	0.5	EPA 6020	6/25/2006
Mercury	2.24	mg/Kg	0.05	EPA 7471A	6/25/2006
Molybdenum	13.8	mg/Kg	0.5	EPA 6020	6/25/2006
Nickel	13.9	mg/Kg	0.5	EPA 6020	6/25/2006
Selenium	7.2	mg/Kg	0.5	EPA 6020	6/25/2006
Silver	4.6	mg/Kg	0.5	EPA 6020	6/25/2006
Zinc	1110	mg/Kg	0.5	EPA 6020	6/25/2006
Benzo(a)pyrene	ND	mg/Kg	5.0	EPA 8270C	7/6/2006
Dimethyl nitrosoamine	ND	mg/Kg	5.0	EPA 8270C	7/6/2006
Hexachlorobenzene	ND	mg/Kg	5.0	EPA 8270C	7/6/2006
Trichloroethylene	ND	mg/Kg	0.1	EPA 8260B	6/30/2006
PCB's (total)	ND	mg/Kg	1.0	EPA 8082	7/11/2006
Hexachlorobutadiene	ND	mg/Kg	5.0	EPA 8270C	7/6/2006
Toxaphene	ND	mg/Kg	0.5	EPA 8081A	7/11/2006
Aldrin+Dieldrin	ND	mg/Kg	0.1	EPA 8081A	7/11/2006
Chlordane	ND	mg/Kg	0.1	EPA 8081A	7/11/2006
DDT+DDE+DDD	ND	mg/Kg	0.1	EPA 8081A	7/11/2006
Heptachlor	ND	mg/Kg	0.1	EPA 8081A	7/11/2006
Lindane	ND	mg/Kg	0.1	EPA 8081A	7/11/2006

Approved by: (b)(6)
 John Coddington, P.E.
 Laboratory Supervisor



1282 Alturas Dr Moscow ID 83843 (b)(6) FAX 882-9246
 504 E Sprague Ste D, Spokane WA 99202 (b)(6) FAX 838-4433
 Email: (b)(6) - (b)(6)

December 22, 2006

Fort Lewis PW-ENRD
 Public Works Division: AFZH-PWE (b)(6)
 Fort Lewis, WA 98433-9500

Project Manager: (b)(6)
 Project #: WWTP Biosolids
 Date Received: 12/5/06
 Date Sampled: 12/4/06
 Sample: WW-SLUDGE-20061204

Laboratory Project #: 06X4050-01

Sample results are dry weight basis unless indicated. ND = Not Detected

Analyte	Result	Units	PQL	Method	Analysis Date
Total Solids (% of Wet)	14.2	%	0.1		12/15/2006
Total Volatile Solids (% of Dry)	65.7	%	0.1	EPA 160.4	12/15/2006
pH	7.67			EPA 150.1	12/7/2006
TKN	18600	mg/Kg	1.0	EPA 351.3	12/14/2006
NO3-N	<10	mg/Kg	10.0	EPA 300.0	12/16/2006
NH3-N	5390	mg/Kg	100.0	EPA 350.2	12/15/2006
Total P	12700	mg/Kg	100.0	EPA 365.2	12/21/2006
Potassium	1040	mg/Kg	1.0	EPA 6020	12/7/2006
Arsenic	3.8	mg/Kg	1.0	EPA 6020	12/7/2006
Cadmium	5.1	mg/Kg	1.0	EPA 6020	12/7/2006
Chromium	27.1	mg/Kg	1.0	EPA 6020	12/7/2006
Copper	521	mg/Kg	1.0	EPA 6020	12/7/2006
Lead	38.8	mg/Kg	1.0	EPA 6020	12/7/2006
Mercury	2.4	mg/Kg	1.0	EPA 7471A	12/7/2006
Molybdenum	11.6	mg/Kg	1.0	EPA 6020	12/7/2006
Nickel	17.4	mg/Kg	1.0	EPA 6020	12/7/2006
Selenium	7.0	mg/Kg	1.0	EPA 6020	12/7/2006
Silver	6.0	mg/Kg	1.0	EPA 6020	12/7/2006
Zinc	1010	mg/Kg	1.0	EPA 6020	12/7/2006
Benzo(a)pyrene	ND	mg/Kg	5.0	EPA 8270C	12/15/2006
Dimethyl nitrosoamine	ND	mg/Kg	5.0	EPA 8270C	12/15/2006
Hexachlorobenzene	ND	mg/Kg	5.0	EPA 8270C	12/15/2006
Trichloroethylene	ND	mg/Kg	0.2	EPA 8260B	12/8/2006
PCB's (total)	ND	mg/Kg	1.0	EPA 8082	12/20/2006
Hexachlorobutadiene	ND	mg/Kg	5.0	EPA 8270C	12/15/2006
Toxaphene	ND	mg/Kg	0.5	EPA 8081A	12/20/2006
Aldrin+Dieldrin	ND	mg/Kg	0.1	EPA 8081A	12/20/2006
Chlordane	ND	mg/Kg	0.1	EPA 8081A	12/20/2006
DDT+DDE+DDD	ND	mg/Kg	0.1	EPA 8081A	12/20/2006
Heptachlor	ND	mg/Kg	0.1	EPA 8081A	12/20/2006
Lindane	ND	mg/Kg	0.1	EPA 8081A	12/20/2006

Approved by:

John Coddington, Ph.D.
 Laboratory Supervisor

VOL III
Exhibit 191



DEPARTMENT OF THE ARMY
HEADQUARTERS, I CORPS AND FORT LEWIS
BOX 339500 Building 2012
FORT LEWIS, WASHINGTON 98433-9500

REPLY TO
ATTENTION OF:

16 February 2007

Public Works

Biosolids Coordinator
Department of Ecology - HQ
PO Box 47600
Olympia, WA 98504-7600

This report is being submitted pursuant to the requirements of WAC 173-308-295. Enclosed you will find the Annual Biosolids Report for Fort Lewis, covering the period from 1 January 2006 through 31 December 2006. Also enclosed are biosolids monitoring results for the year, and applicable operational records.

1. In 2006, a total of 89.4 dry tons of biosolids were treated and processed at the Fort Lewis Wastewater Treatment Plant. A total of 12.5 dry tons of biosolids were transported to the Fort Lewis Composting Pilot Facility at Bldg 7600 (EcoPark), Fort Lewis, WA 98433. In 2006, Primary Digester No. 1 was cleaned under contract. An additional 180.8 dry tons of material which included a mixture of sludge, digester grit and a bulking agent was disposed of at the Land Recovery Inc. 304th St Landfill in Pierce County after receiving a Waste Disposal Authorization. All remaining biosolids (76.9 dry tons) are in temporary storage at the Solo Wastewater Treatment Plant.
2. All biosolids at the Waste Water Treatment Plant were treated to Class B standards and processed in accordance with the requirements of WAC 173-308-170(3)(b)(ii) and (iii) for pathogen reduction and WAC 173-380-180(2) for vector attraction reduction. Minimum drying times were in excess of 90 days. Average monthly ambient temperatures were above 0 degrees C during drying. Records showing mean detention times for primary and secondary digesters are also enclosed.
3. Biosolids transported to the composting facility were treated to Class A standards via Alternative 1 (Time and Temperature) as indicated in Section E: Pathogen Reduction. Pathogen and vector reduction data is kept on file at the Fort Lewis EcoPark. Composted material is in temporary storage and has not been land applied. Fort Lewis has submitted a solid waste handling permit application to the Tacoma/Pierce County Health Department to cover operations at the EcoPark facility.
4. Enclosed with this report are: The Department of Ecology 2006 Annual Biosolids Report form, the laboratory results that verify compliance with the requirements of WAC 173-308-160(4) Tables 1 and 3 for pollutant concentrations, and the summary of operation logs.

If you have questions about this report, please contact me at (b)(6), or email (b)(6)

Sincerely,

(b)(6)

(b)(6)

Water Program Manager

Enclosures

cc:

Biosolids Coordinator
Department of Ecology - SWRO
PO Box 47775
Olympia, WA 98504-7775

USEPA Region 10
NPDES Compliance Unit (OC-133)
Biosolids Reports (ATTN: Cindy Phung)
1200 Sixth Avenue
Seattle, WA 98101

Tacoma-Pierce County Health Department
ATTN: (b)(6)
3629 South D St.
Tacoma, WA 98418

Fort Lewis Wastewater Treatment Plant
ATTN: IMNW-LEW-PWE (b)(6)
Box 339500, (b) 17
Fort Lewis, WA 98433-9500



Annual Biosolids Report

Wastewater Treatment Facilities and Facilities

Further Treating Biosolids For Calendar Year: 2006

This annual biosolids report is for wastewater treatment facilities and facilities that engage in the further treatment of biosolids or sewage sludge and must be submitted as required by WAC 173-308-295. The due date for the annual report is March 1. The information reported must be from the previous calendar year, January 01-December 31, except where noted. Please use N/A where appropriate.

SECTION A: FACILITY INFORMATION

- 1) Facility Name: Fort Lewis - Solo Wastewater Treatment Plant
- 2) Authority/owner name US Army Fort Lewis
- 3) Facility Address: Building 7500 Solo Point Rd City: Fort Lewis State: WA Zip: 98433
- 4) Facility Mailing Address: PW-ED, MS 17; Box 339500 City: Fort Lewis State: WA Zip: 98433
- 5) Primary Contact Name: (b)(6) Title: Plant Operator Supervisor
- 6) Primary Contact Phone: (253) 967-2527 Fax: (253) 966-2547 Email: (b)(6)
- 7) Responsible Official Name: (b)(6) Title: Public Works Director
- 8) Responsible Official Phone: (253) 967-3191 Fax: (253) 966-4985 Email: (b)(6)
- 9) Facility classification
 - a) This is a "Major" facility (design flow of ≥ 1 million mgd or serving a population of $\geq 10,000$)
 - b) This is a "Minor" facility (design flow of < 1 million mgd and serving a population of $< 10,000$)
 - c) This is a "Class I" facility
- i) NPDES Permit #: WA-002915-4 Issuance Date: Feburary 1, 2004 Expiration Date: February 1, 2009
- i) State Waste Discharge Permit #: _____ Issuance Date: _____ Expiration Date: _____

SECTION B: BIOSOLIDS OR SEWAGE SLUDGE PRODUCTION & MANAGEMENT (Not applicable to lagoons unless solids were removed.)

- 1) Produced by your facility: 89.4 dry tons
- 2) Received from another facility: N/A dry tons
Name(s)/subtotal(s): _____
- 3) Sent to another facility for further treatment: 12.5 dry tons
Name(s)/subtotal(s): Fort Lewis Eco-Park for composting.
- 4) Sent to a municipal solid waste landfill for disposal: 180.8 dry tons
Name(s)/subtotal(s): Land Recovery Inc. 304th St Landfill in Pierce County / 122.87 dt (July 2006); 57.95 dt (September 2006). Bulking agent combined with sludge during cleaning of the Primary Digester No. 1.
- 5) Sent to an incinerator or incinerated at your facility: N/A dry tons
Name(s)/subtotal(s): _____
- 6) Temporarily stored on-site (less than 2 years): 76.9 dry tons
- 7) Sent to a permitted biosolids beneficial use facility: N/A dry tons
Name(s)/subtotal(s): _____
- 8) Applied to agricultural land by you or your agent: N/A dry tons
- 9) Applied to forest land by you or your agent: N/A dry tons
- 10) Applied to a public contact site by you or your agent: N/A dry tons
 - i) Applied to a land reclamation site by you or your agent: N/A dry tons
 -) Applied to a lawn or home garden by you or your agent: N/A dry tons
 - i) Sold or given away by you in bulk: N/A dry tons

Sold or given away by you in a bag or other container: N/A dry tons

) Sold or given away by you in a compost or blended product: N/A dry tons

16) Land application sites for non-exceptional quality biosolids (attach additional sheets if necessary):

a) Section/Township/Range: _____ Dry tons applied: _____ Acres applied to: _____
Application rate: dry tons/acre Crop: _____ Nitrogen requirement: pounds/acre/year

b) Section/Township/Range: _____ Dry tons applied: _____ Acres applied to: _____
Application rate: dry tons/acre Crop: _____ Nitrogen requirement: pounds/acre/year

17) Sites subject to the cumulative pollutant loading rates in WAC 173-308-160 Table 2 and where >90% of the loading rate has been reached; attach to this report the following:

a) The information in WAC 173-308-290(4)(c)(i)-(v)

b) A description of how the requirement to obtain information under WAC 173-308-160(2)(b) was met

SECTION C: FOR COMPOSTING FACILITIES—NON-BIOSOLIDS FEEDSTOCKS

1) Feedstock: _____ Amount: _____ dry tons County of origin: _____

2) Feedstock: _____ Amount: _____ dry tons County of origin: _____

3) Feedstock: _____ Amount: _____ dry tons County of origin: _____

SECTION D: FOR LAGOON FACILITIES—SOLIDS ACCUMULATED OR STORED

1) Estimated solids accumulated or stored in a lagoon system _____ dry tons

SECTION E: PATHOGEN REDUCTION (check all that apply)

<input checked="" type="checkbox"/> Class A - Alternative 1 <i>Time and Temperature (EcoPark)</i>	<input type="checkbox"/> Class A - Alternative 2 <i>pH, Temperature and Time</i>	<input type="checkbox"/> Class A - Alternative 3 <i>Process verification</i>
<input type="checkbox"/> Class A - Alternative 4 <i>Path verification</i>	<input type="checkbox"/> Class A - Alternative 5 <i>Process to Further Reduce Pathogens</i> <input type="checkbox"/> Composting <input type="checkbox"/> Heat drying <input type="checkbox"/> Heat treatment <input type="checkbox"/> Thermophilic aerobic digestion <input type="checkbox"/> Beta ray irradiation <input type="checkbox"/> Gamma ray irradiation <input type="checkbox"/> Pasteurization	<input type="checkbox"/> Class A - Alternative 6 <i>Equivalency</i>
<input type="checkbox"/> Class B - Alternative 1 <i>Seven Samples</i> _____ MPN/dry gram GEOMEAN	<input checked="" type="checkbox"/> Class B - Alternative 2 (@ WWTP) <i>Process to Significantly Reduce Pathogens</i> <input type="checkbox"/> Aerobic digestion <input checked="" type="checkbox"/> Air drying <input checked="" type="checkbox"/> Anaerobic digestion <input type="checkbox"/> Composting <input type="checkbox"/> pH stabilization	<input type="checkbox"/> Class B - Alternative 3 <i>Equivalency</i>

Does not meet requirements. Please explain: _____

SECTION F: VECTOR ATTRACTION REDUCTION (check all that apply)

<input checked="" type="checkbox"/> Alternative 1 <i>38% volatile solids reduction</i>	<input type="checkbox"/> Alternative 2 <i>Bench test for anaerobically digested biosolids</i>	<input type="checkbox"/> Alternative 3 <i>Bench test for aerobically digested biosolids</i>	<input type="checkbox"/> Alternative 4 <i>SOUR test</i>	<input type="checkbox"/> Alternative 5 <i>Aerobic treatment for ≥14 days at ≥40° C with an average of ≥45° C</i>
<input type="checkbox"/> Alternative 6 <i>pH adjustment</i>	<input type="checkbox"/> Alternative 7 <i>≥75% solids for biosolids containing only stabilized solids</i>	<input type="checkbox"/> Alternative 8 <i>≥90% solids for biosolids containing any unstabilized solids</i>	<input type="checkbox"/> Alternative 9 <i>Immediate injection</i>	<input type="checkbox"/> Alternative 10 <i>Incorporation within 6 hours after application</i>

Does not meet requirements. Please explain: _____

SECTION G: POLLUTANT CONCENTRATIONS

1) How many monitoring events for pollutants did your facility carry out during the past year? 3
If at any time the monthly average for any pollutant(s) exceeded the value in Table 3 of WAC 173-308-160, list the pollutant(s): Zinc and Copper (January 2006) only for Bed #21

If at any time the concentration for any pollutant(s) exceeded the value in Table 1 of WAC 173-308-160, list the pollutant(s): N/A

SECTION H: ATTACHMENTS (check all that apply)

- 1) Analytical data for pollutant concentrations
- 2) Process monitoring and/or analytical data for pathogen reduction
- 3) Process monitoring and/or analytical data for vector attraction reduction
- 4) Soil monitoring data
- 5) Water monitoring data
- 6) Other. Please describe: _____

SECTION I: ANNUAL REPORT FORM CERTIFICATION STATEMENT

"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 (b)(6) Title Water Program Manager Date 16 Feb 07

SECTION J: SUBMITTING YOUR ANNUAL REPORT

- 1) Original to Ecology headquarters
- 2) Copy(ies) to the Ecology region(s) where your biosolids or sewage sludge will be treated, stored, disposed, or applied to the land
 - Copy(ies) to the local health jurisdiction(s) where your biosolids or sewage sludge will be treated, stored, disposed, or applied to the land
- 4) Copy to EPA Region 10 by February 19 (Holiday) if a "Major" or "Class I" facility

MAILING ADDRESSES

Biosolids Coordinator Department of Ecology—CRO 15 West Yakima Avenue, Suite 200 Yakima, WA 98902	Biosolids Coordinator Department of Ecology—ERO North 4601 Monroe Spokane, WA 99205-1295	Biosolids Coordinator Department of Ecology—NWRO 3190 - 160 th Avenue S.E. Bellevue, WA 98008-5452
Biosolids Coordinator Department of Ecology--SWRO PO Box 47775 Olympia, WA 98504-7775	Biosolids Coordinator Department of Ecology—HQ PO Box 47600 Olympia, WA 98504-7600	USEPA Region 10 NPDES Compliance Unit (OCE-133) Biosolids Reports 1200 Sixth Avenue Seattle, WA 98101 ATTN: Cindy Phung

If you require this publication in an alternate format, please contact the Solid Waste & Financial Assistance Program at 360-407-6900. Persons with hearing loss can call 711 for Washington Relay Service. Persons with a speech disability can call 877-833-6341.

Biosolids Bench Sheet (Bed Management)

OPERATOR					LABORATORY					DRYING TIME			SLUDGE REMOVAL			
Initials	Date Poured	Bed #	Depth (Inches)	Volume (Gallons)	Initials	Date Tested	pH	T.S. (%)	V.S. (%)	Date Moved/ Combined	To Location Bed #	Initials	Date Hauled	From Bed #	Initials	
JJRJGD	02/10/06	20	17	30,733	GD	02/10/06	6.99	5.58	68.1							
BG	03/20/06	9	17.5	31,637	BG	03/20/06	6.97	4.49	67.6	08/05/06	16/10					
GD	04/07/06	6	17	30,733	GD	04/07/06	6.92	4.92	67.7	08/18/06	10					
GD	04/20/06	21	17	30,733	GD	04/27/06	6.99	4.84	67.6							
BG	04/27/06	7	17	30,733	JL	06/28/06	7.0	4.83	67.3	08/18/06	10					
RJ/JL	06/28/06	24	17	30,733	JC	07/04/06	7.0	4.83	67.3							
RR/GI	07/27/06	1	17	30,733	GD	08/02/06	6.96	4.83	67.3							
RR/GI	08/02/06	12	17	30,733	GD	08/02/06	6.97	4.83	67.3	11/13/06	1	JL				
JL	08/08/06	13	17	30,733	JL	08/08/06	7.0	4.10	61.7	01/13/07	1	JL				
JL	08/10/06	18/20/ 23	Digester No. 1 material from contractor's Baker Tanks.								01/15/07	18 to 20	JL			
RAR	08/24/06	8	16	28,925	JC	08/28/06	6.92	4.52	69.2							
GD										08/26/06	3 to 10	GD				
GD										08/27/06	4 to 3	GD				
JJRJGD	09/20/06	6	17	30,733	GD	09/20/06	7.01	4.43	65.9							
JJRJGD	11/16/06	17	16	28,925	JC	10/16/06	6.80	4.69	68.3							
RR/GI	11/18/06	3	17.5	31,637	GD	11/18/06	7.0	4.33	66.6							
JL	12/18/06	21	17.5	31,637	JL	12/18/06	7.0	4.36	67.1							
GD/RR	12/28/06	5	16.5	29,829	GD	12/18/06	7.0	4.45	67.3							
Bed Volume = Depth X 1807.8 Common Pours: 15" = 27,117; 15.5" = 28,021; 16" = 28,925; 16.5" = 29,829; 17" = 30,733; 17.5" = 31,637																

2006 Annual Biosolids Data Summary

Month	Avg. Ambient Temp. F.	Avg. Primary Dig. Temp. C.	Avg. Sludge Pumped/Day Gal.	Pri. Dig. Detention Time Days	Avg. Sec. Dig. Temp. C.	Bed Pours Avg. Gal./Day	Sec. Dig. Detention Time Days
January	42	35	17,211	44	30	0	27
February	38	36	12,064	62	30	1,060	35
March	42	36	12,289	61	30	1,021	35
April	46	36	18,981	40	30	3,073	21
May	51	37	15,901	47	29	0	29
June	58	36	21,160	35	30	1,024	21
July	66	36	19,975	38	31	991	22
August	63	36	15,137	50	31	2,916	25
September	58	35	13,824	54	31	1,024	31
October	52	36	12,267	61	31	933	35
November	44	37	18,332	41	31	1,055	24
December	39	37	13,819	54	30	1,983	29

2006 Annual Averages	50	36	15,913	49	30	1,257	31
-----------------------------	-----------	-----------	---------------	-----------	-----------	--------------	-----------

Digestion Solids Data Year 2006					
Date	% Total Solids Raw Sludge	% Volatile Solids Raw Sludge	% Total Solids Digested Sludge	% Volatile Solids Digested Sludge	Through Primary Digestion
Averages for 2004	3.10	82.8	1.72	70.7	% Reduction of Volatile Solids
Decimal		0.828		0.707	49.9

Date	% Total Solids Raw Sludge	% Volatile Solids Raw Sludge	% Total Solids Bed Biosolids	% Volatile Solids Bed Biosolids	Through Beds
Averages for 2004	3.10	82.8	4.67	67.8	% Reduction of Volatile Solids
Decimal		0.828		0.678	56.3

Anatek Labs, Inc.

1282 Alturas Drive • Moscow, ID 83843 • (b)(6) • Fax (b)(6) • email moscow@anateklabs.com
 504 E Sprague Ste. D • Spokane WA 99202 • (b)(6) • Fax (b)(6) • email spokane@anateklabs.com

FORT LEWIS

(b)(6)

BLDG 2012--AFZH-PWE-MS17
 FORT LEWIS, WA 98433

Project: WWTP

Report Date: 25-Jan-06

Certificate of Analysis

Total Metals - Method EPA 6020

Sample Name:	WW-BS-2006-0106-BD21	Analyte	Result	Units	PQL	Method
Sample Location:		Arsenic	20.5	mg/Kg	0.5	EPA 6020A
Sampling Date:	1/9/2006	Cadmium	26.0	mg/Kg	0.5	EPA 6020A
Sampling Time:	18:35	Chromium	105	mg/Kg	0.5	EPA 6020A
Date Received:	1/12/2006	Copper	2560	mg/Kg	0.5	EPA 6020A
Lab #:	06X0133-01	Lead	214	mg/Kg	0.5	EPA 6020A
Matrix:	BIOSOLID	Mercury	10.1	mg/Kg	0.1	EPA 6020A
Analysis Date:	1/23/2006	Nickel	64.6	mg/Kg	0.5	EPA 6020A
Analyst:	RAS	Potassium	2080	mg/Kg	50.0	EPA 6020A
% Solid:	11.2	Selenium	35.1	mg/Kg	0.5	EPA 6020A
Wt. Basis:	Dry Wt Basis	Silver	24.4	mg/Kg	0.5	EPA 6020A
		Zinc	5500	mg/Kg	0.5	EPA 6020A

Sample Name:	WW-BS-2006-0106-COMP	Analyte	Result	Units	PQL	Method
Sample Location:		Arsenic	7.8	mg/Kg	0.5	EPA 6020A
Sampling Date:	1/9/2006	Cadmium	8.4	mg/Kg	0.5	EPA 6020A
Sampling Time:	16:10	Chromium	45.1	mg/Kg	0.5	EPA 6020A
Date Received:	1/12/2006	Copper	970	mg/Kg	0.5	EPA 6020A
Lab #:	06X0133-02	Lead	76.2	mg/Kg	0.5	EPA 6020A
Matrix:	BIOSOLID	Mercury	3.6	mg/Kg	0.1	EPA 6020A
Analysis Date:	1/23/2006	Nickel	27.0	mg/Kg	0.5	EPA 6020A
Analyst:	RAS	Potassium	810	mg/Kg	50.0	EPA 6020A
% Solid:	14.8	Selenium	12.7	mg/Kg	0.5	EPA 6020A
Wt. Basis:	Dry Wt Basis	Silver	8.5	mg/Kg	0.5	EPA 6020A
		Zinc	1840	mg/Kg	0.5	EPA 6020A

Sample Name:	WW-BS-2006-0106-BD16	Analyte	Result	Units	PQL	Method
Sample Location:		Arsenic	8.0	mg/Kg	0.5	EPA 6020A
Sampling Date:	1/9/2006	Cadmium	9.9	mg/Kg	0.5	EPA 6020A
Sampling Time:	16:20	Chromium	41.7	mg/Kg	0.5	EPA 6020A
Date Received:	1/12/2006	Copper	1000	mg/Kg	0.5	EPA 6020A
Lab #:	06X0133-03	Lead	78.2	mg/Kg	0.5	EPA 6020A
Matrix:	BIOSOLID	Mercury	3.6	mg/Kg	0.1	EPA 6020A
Analysis Date:	1/23/2006	Nickel	26.3	mg/Kg	0.5	EPA 6020A
Analyst:	RAS	Potassium	2110	mg/Kg	50.0	EPA 6020A
% Solid:	36.1	Selenium	13.0	mg/Kg	0.5	EPA 6020A
Wt. Basis:	Dry Wt Basis	Silver	8.5	mg/Kg	0.5	EPA 6020A
		Zinc	2090	mg/Kg	0.5	EPA 6020A

Approved by: _____

John W. Call



1282 Alturas Dr Moscow ID 83843 (b)(6) FAX 882-9246
 504 E Sprague St D, Spokane WA 99202 (b)(6) FAX 838-4433
 Email: (b)(6)

July 20, 2006

Fort Lewis PW-ENRD
 Public Works Division: AFZHPWE (b)(6)
 Fort Lewis, WA 98433-9500

Project Manager: (b)(6)
 Project #: WWTP Biosolids
 Date Received: 8/22/06
 Date Sampled: 6/21/06
 Sample: WW-20060621-9

Laboratory Project #: 06X2020

Sample results are dry weight basis unless indicated. ND = Not Detected

Analyte	Result	Units	PQL	Method	Analysis Date
Total Solids (% of Wet)	24.6	%	0.1		7/7/2006
Total Volatile Solids (% of Dry)	65.6	%	0.1	EPA 160.4	7/7/2006
pH	7.17			EPA 150.1	7/1/2006
TKN	18600	mg/Kg	300.0	EPA 351.3	7/18/2006
NO3-N	390	mg/Kg	10.0	EPA 300.0	7/10/2006
NH3-N	4170	mg/Kg	10.0	EPA 350.2	7/11/2006
Total P	18400	mg/Kg	300.0	EPA 365.2	7/17/2006
Potassium	1410	mg/Kg	1	EPA 6020	6/25/2006
Arsenic	4.7	mg/Kg	0.5	EPA 6020	6/25/2006
Cadmium	4.8	mg/Kg	0.5	EPA 6020	6/25/2006
Chromium	21.0	mg/Kg	0.5	EPA 6020	6/25/2006
Copper	538	mg/Kg	0.5	EPA 6020	6/25/2006
Lead	38.1	mg/Kg	0.5	EPA 6020	6/25/2006
Mercury	2.24	mg/Kg	0.05	EPA 7471A	6/25/2006
Molybdenum	13.8	mg/Kg	0.5	EPA 6020	6/25/2006
Nickel	13.9	mg/Kg	0.5	EPA 6020	6/26/2006
Selenium	7.2	mg/Kg	0.5	EPA 6020	6/25/2006
Silver	4.6	mg/Kg	0.5	EPA 6020	6/25/2006
Zinc	1110	mg/Kg	0.5	EPA 6020	6/26/2006
Benzo(a)pyrene	ND	mg/Kg	5.0	EPA 8270C	7/8/2006
Dimethyl nitrosamine	ND	mg/Kg	5.0	EPA 8270C	7/6/2006
Hexachlorobenzene	ND	mg/Kg	5.0	EPA 8270C	7/6/2006
Trichloroethylene	ND	mg/Kg	0.1	EPA 8260B	6/30/2006
PCB's (total)	ND	mg/Kg	1.0	EPA 8082	7/11/2006
Hexachlorobutadiene	ND	mg/Kg	5.0	EPA 8270C	7/8/2006
Toxaphene	ND	mg/Kg	0.5	EPA 8081A	7/11/2006
Aldrin+Dieldrin	ND	mg/Kg	0.1	EPA 8081A	7/11/2006
Chlordane	ND	mg/Kg	0.1	EPA 8081A	7/11/2006
DDT+DDE+DDD	ND	mg/Kg	0.1	EPA 8081A	7/11/2006
Heptachlor	ND	mg/Kg	0.1	EPA 8081A	7/11/2006
Lindane	ND	mg/Kg	0.1	EPA 8081A	7/11/2006

(b)(6)

Approved by:

John Coddington, Ph.D.
 Laboratory Supervisor



1282 Alturas Dr Moscow ID 83843 (b)(6) FAX 882-9246
 504 E Sprague Ste D, Spokane WA 99202 (b)(6) FAX 838-4433
 Email: anatekID@moscow.com - anatekWA@moscow.com

December 22, 2006

Fort Lewis PW-ENRD
 Public Works Division: AFZH-PWE (b)(6)
 Fort Lewis, WA 98433-9600

Project Manager: (b)(6)
 Project #: WWTP Biosolids
 Date Received: 12/5/06
 Date Sampled: 12/4/06
 Sample: WW-SLUDGE-20061204

Sample results are dry weight basis unless indicated. ND = Not Detected

Analyte	Result	Units	PQL	Method	Analysis Date
Total Solids (% of Wet)	14.2	%	0.1		12/15/2006
Total Volatile Solids (% of Dry)	65.7	%	0.1	EPA 160.4	12/15/2006
pH	7.67			EPA 150.1	12/7/2006
TKN	18600	mg/Kg	1.0	EPA 351.3	12/14/2006
NO3-N	<10	mg/Kg	10.0	EPA 300.0	12/16/2006
NH3-N	5390	mg/Kg	100.0	EPA 350.2	12/15/2006
Total P	12700	mg/Kg	100.0	EPA 365.2	12/21/2006
Potassium	1040	mg/Kg	1.0	EPA 6020	12/7/2006
Arsenic	3.8	mg/Kg	1.0	EPA 6020	12/7/2006
Cadmium	5.1	mg/Kg	1.0	EPA 6020	12/7/2006
Chromium	27.1	mg/Kg	1.0	EPA 6020	12/7/2006
Copper	521	mg/Kg	1.0	EPA 6020	12/7/2006
Lead	38.8	mg/Kg	1.0	EPA 6020	12/7/2006
Mercury	2.4	mg/Kg	1.0	EPA 7471A	12/7/2006
Molybdenum	11.6	mg/Kg	1.0	EPA 6020	12/7/2006
Nickel	17.4	mg/Kg	1.0	EPA 6020	12/7/2006
Selenium	7.0	mg/Kg	1.0	EPA 6020	12/7/2006
Silver	6.0	mg/Kg	1.0	EPA 6020	12/7/2006
Zinc	1010	mg/Kg	1.0	EPA 6020	12/7/2006
Benzo(a)pyrene	ND	mg/Kg	5.0	EPA 8270C	12/15/2006
Dimethyl nitrosoamine	ND	mg/Kg	5.0	EPA 8270C	12/15/2006
Hexachlorobenzene	ND	mg/Kg	5.0	EPA 8270C	12/15/2006
Trichloroethylene	ND	mg/Kg	0.2	EPA 8260B	12/8/2006
PCB's (total)	ND	mg/Kg	1.0	EPA 8082	12/20/2006
Hexachlorobutadiene	ND	mg/Kg	5.0	EPA 8270C	12/15/2006
Toxaphene	ND	mg/Kg	0.5	EPA 8081A	12/20/2006
Aldrin+Dieldrin	ND	mg/Kg	0.1	EPA 8081A	12/20/2006
Chlordane	ND	mg/Kg	0.1	EPA 8081A	12/20/2006
DDT+DDE+DDD	ND	mg/Kg	0.1	EPA 8081A	12/20/2006
Heptachlor	ND	mg/Kg	0.1	EPA 8081A	12/20/2006
Lindane	ND	mg/Kg	0.1	EPA 8081A	12/20/2006

(b)(6)

Approved by:

John Coddington, Ph.D.
 Laboratory Supervisor

EXHIBIT 192

VOL III

Exhibit 192

E NAME/ADDRESS (Include Facility Name/Location if Different)

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

Form Approved
OMB No. 2040-0004

DEFENSE ARMY
PO BOX 100000, MAIL STOP 17
FORT LEWIS, WYOMING, 82403-0000
FORT LEWIS
DEFENSE ARMY
PO BOX 100000

WY00021954
PERMIT NUMBER

001 B
DISCHARGE NUMBER

MONITORING PERIOD
YEAR MO DAY TO YEAR MO DAY
07 06 01 TO 07 06 30

NAJ00R
(SUBR 03)
F - FINAL
WASTEWATER FACILITY SOLID PAPER

*** 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			
ISEM, MONTHLY		*****	*****		*****	*****	*****	*****			
PERM. REQUIREMENT		*****	*****	***	*****	*****	*****	*****		SEMI-ANNUAL	GRAB
ISEM, MONTHLY		*****	*****		*****	*****	*****	*****			
PERM. REQUIREMENT		*****	*****	***	*****	*****	*****	*****		SEMI-ANNUAL	GRAB
ISEM, MONTHLY		*****	*****		*****	*****	*****	*****			
PERM. REQUIREMENT		*****	*****	***	*****	*****	*****	*****		SEMI-ANNUAL	GRAB
ISEM, MONTHLY		*****	*****		*****	*****	*****	*****			
PERM. REQUIREMENT		*****	*****	***	*****	*****	*****	*****		SEMI-ANNUAL	GRAB
ISEM, MONTHLY		*****	*****		*****	*****	*****	*****			
PERM. REQUIREMENT		*****	*****	***	*****	*****	*****	*****		SEMI-ANNUAL	GRAB
ISEM, MONTHLY		*****	*****		*****	*****	*****	*****			
PERM. REQUIREMENT		*****	*****	***	*****	*****	*****	*****		SEMI-ANNUAL	GRAB
ISEM, MONTHLY		*****	*****		*****	*****	*****	*****			
PERM. REQUIREMENT		*****	*****	***	*****	*****	*****	*****		SEMI-ANNUAL	GRAB

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

STATEMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
Tested for this report, NO NO₂ detected. #1 - Error in lab results that combined NO₂; NO₃; will send new results later

PERMITTEE NAME ADDRESS (Include Facility Name/Location if Different)

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

Form OMB No. 2040-0004

NAME: PIPERNA, ARMY
 ADDRESS: 4000 1ST ST, MAIL STOP 17, PUBLIC WORKS, FT. RAINIER, WA 98147
 FACILITY LOCATION: 4000 1ST ST, NE 38433-9500

WAC0021354 001 A
 PERMIT NUMBER DISCHARGE NUMBER
 MONITORING PERIOD
 YEAR MO DAY TO YEAR MO DAY
 07 06 01 TO 07 06 30

WASTEWATER FACILITY SOUTHWEST

*** 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			
COBALT	4284	*****	(26)	*****	189	*****	(10)	0	DAILY	DMR 24
PERMIT REQUIREMENT	REPORT NO. AVG	*****	LB/DY	*****	REPORT NO. AVG	*****	MG/L			
COBALT	354	476	(26)	*****	16	21	(10)	0	DAILY	DMR 24
PERMIT REQUIREMENT	1902 MO AVG	2852 WKLY AVG	LB/DY	*****	MO AVG	WKLY AVG	MG/L			
PH	*****	*****		6.3	6.9	(12)	0	DAILY	SPAB	
PERMIT REQUIREMENT	*****	*****	MINIMUM	*****	*****	MAXIMUM	SC			
COBALT	5805	*****	(26)	*****	256	*****	(10)	0	DAILY	DMR 24
PERMIT REQUIREMENT	REPORT NO. AVG	*****	LB/DY	*****	REPORT NO. AVG	*****	MG/L			
COBALT	349	567	(26)	*****	15	25	(10)	0	DAILY	DMR 24
PERMIT REQUIREMENT	1902 MO AVG	2852 WKLY AVG	LB/DY	*****	MO AVG	WKLY AVG	MG/L			
DISSOLVED AMMONIA	*****	*****		*****	*****	2.63	(10)	0	SEMI-ANNUAL	SPAB
PERMIT REQUIREMENT	*****	*****	*****	*****	*****	REPORT	MG/L			
DISSOLVED PHOSPHATE	*****	*****		*****	*****	#1	(10)	0	SEMI-ANNUAL	SPAB
PERMIT REQUIREMENT	*****	*****	*****	*****	*****	REPORT	MG/L			

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.

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

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

ANALYSIS OF NWT PHDX FOR June Because of Suspicious Problem QA/QC Eff. (Diesel - NO mg/L) (oil NO mg/L) Int. (Diesel ND) (Lube oil 3.05)

#1 - Error in lab results that combined NO₂ & NO₃; will send new results later.
 * WETT taken this month (10.20.22); will send results later.

PERM ADDRESS (Include Facility Identification if Different)
 NAME (NPI) SWW

NATIONAL POL DISCH.

ARGE ELIMINATION SYSTEM (NPDES) MONITORING REPORT (DMR)

ADDRESS RD 200 WINDY, HAZEL STOP 17
 POINT WARRINGTON-POU-1, 020-17
 FORT LEVIN WA 98143-8900
 FACILITY EFFLUENT TREATMENT
 LOCATION FORT LEVIN WA 98143-8900



WA0021954
 PERMIT NUMBER

001 A
 DISCHARGE NUMBER

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY

WA000
 (SUBP 000)
 E - FINAL
 WASTEWATER FACILITY SOLID POINT
 *** 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			
LEAD, TOTAL		*****	*****		*****	*****					
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
SELENIUM, TOTAL		*****	*****		*****	*****					
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
FECAL COLIFORM, MPN		*****	*****		*****	*****					
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT					12	41				
	PERMIT REQUIREMENT										
TOTAL IN EFFLUENT OF TREATMENT PLANT		*****	*****		*****	*****					
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	2.7									
	PERMIT REQUIREMENT	7.6									
CHLORINE, TOTAL		*****	*****		*****	*****					
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
MERCURY, TOTAL		*****	*****		*****	*****					
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
PHOSPHORUS, TOTAL		*****	*****		*****	*****					
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
PHOSPHORUS, TOTAL		*****	*****		*****	*****					
EFFLUENT GROSS VALUE	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		
			AREA CODE	NUMBER	YEAR

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

*NA - non-detected

EXHIBIT 193

VOL III

Exhibit 193

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)

NAME DEFENSE TRAIL
 ADDRESS PO BOX 31500, WASH DC 20007
 FACILITY DEFENSE TRAIL
 LOCATION WASH DC 20007

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

W40021954
 PERMIT NUMBER

001 A
 DISCHARGE NUMBER

MS00P
 (BORR 01,
 F - FINAL)
 WASTEWATER FACILITY COLL POINT

Form Approved
 OMB No. 2040-0004

July 07

MONITORING PERIOD						
YEAR	MO.	DAY	TO	YEAR	MO.	DAY
07	07	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			
00010 0 0 0 EFFLUENT SEWER VALU		4603	*****	(26)	*****	205	*****	(10)		DAILY	LUMP 24
00010 0 0 0 EFFLUENT SEWER VALU		465	561	(26)	*****	21	25	(10)		DAILY	LUMP 24
00010 0 0 0 EFFLUENT SEWER VALU		1902	2852	(26)	*****	30	45	(10)		DAILY	LUMP 24
00010 0 0 0 EFFLUENT SEWER VALU		*****	*****	(26)	6.7	*****	7.3	(12)		DAILY	GRAB
00010 0 0 0 EFFLUENT SEWER VALU		6158	*****	(26)	*****	274	*****	(13)		DAILY	GRAB
00010 0 0 0 EFFLUENT SEWER VALU		381	472	(26)	*****	17	21	(10)		DAILY	LUMP 24
00010 0 0 0 EFFLUENT SEWER VALU		*****	*****	(26)	*****	*****	**	(10)		SEMI-ANNUAL	GRAB
00010 0 0 0 EFFLUENT SEWER VALU		*****	*****	(26)	*****	*****	REPORT	(10)		SEMI-ANNUAL	GRAB
00010 0 0 0 EFFLUENT SEWER VALU		*****	*****	(26)	*****	*****	#1 1.05	(10)		SEMI-ANNUAL	GRAB

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

DATE

00

00

00 07 09 08

TYPED OR PRINTED

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

*** Reported on June 5 Dec DMR for Corrections For June Report / WHT TEST RESULTS will be submitted next mo.

7 11 1978

PERMIT NAME ADDRESS (Include Facility Name/Location if Different)

NATIONAL POLLUTANT DISCHARGE

LARGE ELIMINATION SYSTEM (NPDES) MONITORING REPORT (DMR)

FOUR OR 004

ADDRESS

494021954 PERMIT NUMBER

001 A DISCHARGE NUMBER

WASTEWATER FACILITY SOLA PRIMA

FACILITY LOCATION

MONITORING PERIOD YEAR MO DAY TO YEAR MO DAY

*** 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			
PERMIT REQUIREMENT		*****	*****		*****	*****	*****				
SAMPLE MEASUREMENT											
PERMIT REQUIREMENT		*****	*****	***	*****	*****	*****			SEMI-ANNUAL	SWAB
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 NUMBER
 DATE YEAR MO DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 *** Reported with I/I Report Per NPDES Permit / Application Results Analysis For I/I attached

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)

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

Form
OMB No. 2040-0004

NAME DEFENSE ARMY
ADDRESS 49 00430 3540 MAIL STOP 17
FORT LEVINE ARIZONA 85647-0017
PHONE 908-430-3540 FAX 908-430-3540
FACILITY DEFENSE ARMY
LOCATION FORT LEVINE AZ 85643 3540 FROM

WA0021954
PERMIT NUMBER

001 A
DISCHARGE NUMBER

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
07	07	01		07	07	31

WASTE
WATER
F - FINAL
WASTEWATER FACILITY SLO POINT

*** 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			
AMMONIA, NITRATE TOTAL (AS N)		*****	*****		*****	*****	#1 15.2	(10)			
EFFLUENT GROSS VALUE		*****	*****	***	*****	*****	REPORT	MG/L		SEMI-ANNUAL	SPAB
AMMONIA, NITRATE TOTAL (AS N)		*****	*****		*****	*****	**	(10)			
EFFLUENT GROSS VALUE		*****	*****	***	*****	*****	REPORT	MG/L		SEMI-ANNUAL	SPAB
PHOSPHORUS, TOTAL (AS P)		*****	*****		*****	*****	25 69	(10)			
EFFLUENT GROSS VALUE		*****	*****	***	*****	*****	200 400	MG/L		DAILY	SPAB
PHOSPHORUS, TOTAL (AS P)		*****	*****		*****	*****	NO REQ	MG/L			
EFFLUENT GROSS VALUE		*****	*****	***	*****	*****	NO REQ	MG/L			
FLOW, IN GALLONS OR TONS TREATMENT PLANT		2.7	*****	(100)	*****	*****	*****				
EFFLUENT GROSS VALUE		NO AVG	*****	MGD	*****	*****	*****	***		DAILY	SPAB
CHLORIDE, TOTAL (AS CL)		*****	*****		*****	*****	0.28	(10)			
EFFLUENT GROSS VALUE		*****	*****	***	*****	*****	WEEKLY	MG/L		DAILY	SPAB
BOD, 5 DAY (AS O2)		*****	*****		*****	*****	89	(10)			
EFFLUENT GROSS VALUE		*****	*****	***	*****	*****	*****	PERCENT		DAILY	SPAB
SOLIDS, SUSPENDED (AS SOL)		*****	*****		*****	*****	94	(10)			
EFFLUENT GROSS VALUE		*****	*****	***	*****	*****	*****	PERCENT		DAILY	SPAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
(b)(6)
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)
** Reported on June 8 DMR / #1
Correction For June DMR / #1
Analysis of NWTPHDX for July
EPA (Diesel-MD) (Lube oil N/A)

EXHIBIT 194

VOL III

Exhibit 194

PERM ADDRESS (Include Facility Name/Location if Different)

NATIONAL PO DISC

WASTE ELIMINATION SYSTEM (NPDES) MONITORING REPORT (DMR)

9d. 1-0004

NAME
ADDRESS
FACILITY
LOCATION

PERMIT NUMBER
DISCHARGE NUMBER

MONITORING PERIOD
YEAR MO DAY TO YEAR MO DAY

WASTE
WASTEWATER FACILITY SOLO POINT

*** 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			
...	SAMPLE MEASUREMENT	4839	*****	(26)	*****	222	*****	(15)	0		
...	PERMIT REQUIREMENT	REPORT NO AVG	*****	LBS/DY	*****	REPORT NO AVG	*****	MG/L		DAILY	COMP 24
...	SAMPLE MEASUREMENT	398	480	(26)	*****	18	22	(15)	0		
...	PERMIT REQUIREMENT	1902 NO AVG	2852 WKLY AVG	LBS/DY	*****	30 NO AVG	45 WKLY AVG	MG/L		DAILY	COMP 24
...	SAMPLE MEASUREMENT	*****	*****		6.8	*****	7.1	(12)	0		
...	PERMIT REQUIREMENT	*****	*****	***	MINIMUM	*****	MAXIMUM	SU		DAILY	GRAB
...	SAMPLE MEASUREMENT	6144	*****	(26)	*****	282	*****	(15)	0		
...	PERMIT REQUIREMENT	REPORT NO AVG	*****	LBS/DY	*****	REPORT NO AVG	*****	MG/L		DAILY	COMP 24
...	SAMPLE MEASUREMENT	343	458	(26)	*****	16	21	(15)	0		
...	PERMIT REQUIREMENT	1902 NO AVG	2852 WKLY AVG	LBS/DY	*****	30 NO AVG	45 WKLY AVG	MG/L		DAILY	COMP 24
...	SAMPLE MEASUREMENT	*****	*****		*****	*****	**	(15)	0		
...	PERMIT REQUIREMENT	*****	*****	***	*****	*****	REPORT	MG/L		SEMI-ANNUAL	GRAB
...	SAMPLE MEASUREMENT	*****	*****		*****	*****	**	(15)	0		
...	PERMIT REQUIREMENT	*****	*****	***	*****	*****	REPORT	MG/L		SEMI-ANNUAL	GRAB

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 DAY

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

** Reported on June & Dec DMR / WeH test results in Aug 7th, 2007 Report / Packet submitted by NAUTILUS ENVIR, LLC for June 2007

ANALYSIS OF NWT PHDX FOR AUG 7th 2007
 EPA (Diesel NO) (LUBE OIL) 0.637 mg/L
 EPA (Diesel) 1.38 mg/L (LUBE OIL) 8.92 mg/L

PERMITTEE V
NAME

Facility Name/Location (if Different)

NATIONAL POLLUTANT
DISCHARGE

WASTEWATER TREATMENT SYSTEM (NPDES)
DISCHARGE REPORT (DMR)

Form 7
OMB No

ADDRESS
FACILITY LOCATION

PERMIT NUMBER

DISCHARGE NUMBER

MONITORING PERIOD
YEAR MO DAY TO YEAR MO DAY

WASTEWATER FACILITY SPLIT POINT

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			
PHOSPHORUS, TOTAL		*****	*****		*****	*****	***	(1)	0		
EFFLUENT BOD5 VALUE		*****	*****	***	*****	*****	*****	MG/L		ANNUAL	GRAB
NITROGEN, AMMONIA		*****	*****		*****	*****	***	(1)	0		
EFFLUENT BOD5 VALUE		*****	*****	***	*****	*****	*****	MG/L		ANNUAL	GRAB
FECAL COLIFORM, MPN		*****	*****		*****	15	50	(1)	0		
EFFLUENT BOD5 VALUE		*****	*****	***	*****	NO GEO	NO GEO	100ML		DAILY	GRAB
FLOW, IN CUMULATIVE		*****	*****	(0)	*****	*****	*****		0		
EFFLUENT BOD5 VALUE		7.6	*****	MGD	*****	*****	*****	*****		CONTINUED	GRAB
CHLORINE, TOTAL		*****	*****		*****	*****	*****	(1)	0		
EFFLUENT BOD5 VALUE		*****	*****	***	*****	*****	0.27	MG/L		DAILY	GRAB
BOD, 5-DAY PERCENT		*****	*****		*****	*****	*****	(2)	0		
PERCENT REMOVAL		*****	*****	***	*****	*****	*****	PERCENT		ONCE / MONTH	COMPOUND
NITROGEN, SUSPENDED		*****	*****		*****	*****	*****	(2)	0		
PERCENT REMOVAL		*****	*****	***	*****	*****	*****	PERCENT		ONCE / MONTH	COMPOUND

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 NUMBER
DATE
YEAR MO DAY

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

Reported on June & Dec DMR / ANALYSIS OF NUTPHDX FOR #1 DETENTION TANK BECAUSE OF HEAVY OIL SLICK, EVALUATION.
EFF #1 DETENTION TANK (DISEL IN 193 mg/L) (LUBE OIL 0.896 mg/L)

PERMITTEE NAME

Include Facility Name/Location if Different

NATIONAL POLLUTANT DISCHARGE M

NATION SYSTEM (NPDES) REPORT (DMR)

Form Ap, OMB No. 20

NAME

ADDRESS

CITY

STATE

ZIP

PERMIT NUMBER 000021952

DISCHARGE NUMBER 001 A

MONITORING PERIOD FROM 07 08 01 TO 07 08 31

WASTEWATER FACILITY ALSO POINT

NOTE: Read instructions before completing this form.

Table with columns: PARAMETER, QUANTITY OR LOADING (AVERAGE, MAXIMUM, UNITS), QUALITY OR CONCENTRATION (MINIMUM, AVERAGE, MAXIMUM, UNITS), NO. EX, FREQUENCY OF ANALYSIS, SAMPLE TYPE. Includes rows for SAMPLE MEASUREMENT and 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.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE, DATE (07 09 07), AREA CODE, NUMBER

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

** Reported with I/I Report Per NPDES Permit

EXHIBIT 195

VOL III

Exhibit 195

2003
INFLOW AND INFILTRATION
ANNUAL REPORT FOR THE
FORT LEWIS SEWAGE COLLECTION SYSTEM
NPDES No. WA-002195-4

In accordance with the above referenced National Pollutant Discharge Elimination System permit, this is the 2003 annual Inflow and Infiltration (I&I) Report. This report summarizes measurable I&I at the treatment plant or by collection system meters for the calendar year 2003, and describes work in progress to reduce I&I into the sanitary collection system.

To analyze amounts of I&I from the collection system, a dry weather flow has been developed based on a rolling 5-year average of dry weather data. This type of calculation allows for population changes and any significant changes in dry weather rainfall. The months of June - September are used to calculate dry weather flow. Dry weather data is used from calendar years 1999 - 2003 (excluding 2001 which showed very depressed flows and water restrictions). Rainfall data is collected from the Air Force Weather Squadron stationed at Gray Army Airfield on Fort Lewis.

A dry weather flow of 931 million gallons is calculated for 2003. Any flows above this value are considered I&I for 2003. The total amount of I&I for 2003 was 119 million gallons or 11% of the total flow.

Analysis Summary: 2003 was a normal year for rainfall; the winter rainfall was slightly above average. The I&I trend for similar amounts of rainfall is stable and slightly decreasing during wet weather months. The I&I reduction program has continued to keep I&I under control and on a flat or downward trend. A data table and graph are attached showing raw data used to calculate I&I percentages and monitor effectiveness of the I&I program.

Status of Prevention Program: Fort Lewis Public Works has the US Army Corps of Engineers managing projects under the expanded utilities modernization program to remove I&I sources. Current practice replaces all aging sewer infrastructure for new construction. In 2003 a project designed to repair/replace approximately 3600 feet of 36-inch line near the WWTP was completed, 7 manholes were replaced, 2 manholes were installed and approximately 2000 feet of 24" clay line was eliminated. A design to repair 11,300 feet of various sized sewer mains with cure-in-place-pipe is currently underway (1000 feet of 24-inch line, 2570 feet of 21-inch line, 645 feet of 18-inch line, 2300 feet of 15-inch line, 1380 feet of 12-inch line, 1890 feet of 10-inch line, 1500 feet of 8-inch line). This project also includes rehabilitation of 36 manholes, replacing 3700 feet of 6-inch lateral sewer lines, 400 feet 4-inch lateral lines, and cleanouts and connections the 3600 & 3700 blocks. This project will be completed in 2004.

Repair to an 8" line on Camp Murray was not completed in 2003 and is currently waiting funding to be completed at a future date.

Monitoring and Reporting Requirements: A new NPDES Permit was issued effective 01 February 2004. TPH is required to be monitored twice in the first year of the permit during wet weather flows and reported with the annual I/I report. On February 24, 2004 a sample for TPH analysis was collected from the plant effluent with the following results (copy attached):

Gasoline:	< 0.25 mg/L by HCID
Diesel:	< 0.63 mg/L by HCID
Lube Oil:	< 0.63 mg/L by HCID

EXHIBIT 196

VOL III

Exhibit 196

2004
INFLOW AND INFILTRATION
ANNUAL REPORT FOR THE
FORT LEWIS SEWAGE COLLECTION SYSTEM
NPDES No. WA-002195-4

In accordance with the above referenced National Pollutant Discharge Elimination System permit, this is the 2004 annual Inflow and Infiltration (I&I) Report. This report summarizes measurable I&I at the treatment plant or by collection system meters for the calendar year 2004, and describes work in progress to reduce I&I into the sanitary collection system.

To analyze amounts of I&I from the collection system, a dry weather flow has been developed based on a rolling 5-year average of dry weather data. This type of calculation allows for population changes and any significant changes in dry weather rainfall. The months of June - September are used to calculate dry weather flow. Dry weather data is used from calendar years 2000 - 2004 (excluding 2001 which showed very depressed flows and water restrictions). Rainfall data is collected from the Air Force Weather Squadron stationed at Gray Army Airfield on Fort Lewis.

A dry weather flow of 978 million gallons is calculated for 2004. Any flows above this value are considered I&I for 2004. The total amount of I&I for 2004 was 154 million gallons or 14% of the total flow.

Analysis Summary: 2004 was slightly below normal year for rainfall; the winter rainfall was below average. The I&I trend for similar amounts of rainfall is stable during wet weather months. The I&I reduction program has continued to keep I&I under control and on a flat or downward trend. A data table and graph are attached showing raw data used to calculate I&I percentages and monitor effectiveness of the I&I program.

Status of Prevention Program: Fort Lewis Public Works has the US Army Corps of Engineers managing projects under the expanded utilities modernization program to remove I&I sources. Current practice replaces all aging sewer infrastructure for new construction. A design to repair 11,300 feet of various sized sewer mains with cure-in-place-pipe was completed in April 2004 (1000 feet of 24-inch line, 2570 feet of 21-inch line, 645 feet of 18-inch line, 2300 feet of 15-inch line, 1380 feet of 12-inch line, 1890 feet of 10-inch line, 1500 feet of 8-inch line). This project also included rehabilitation of 36 manholes, replacing 3700 feet of 6-inch lateral sewer lines, 400 feet 4-inch lateral lines, and cleanouts and connections the 3600 & 3700 blocks. A project to repair approximately 8000' of 24" clay line using cure-in-place technology was submitted in 2004 for design. A project to repair flow meters for McChord AFB was submitted in 2004 for design.

Monitoring and Reporting Requirements: A new NPDES Permit was issued effective 01 February 2004. Total Petroleum Hydrocarbon (TPH) is required to be monitored twice in the first year of the permit during wet weather flows and reported with the annual I/I report. Monitoring results from February 24, 2004 were submitted with the 2003 I/I report. On 07 December 2004 a sample for TPH analysis was collected from the wastewater plant effluent with the following results (copy attached):

Diesel: <None detected by GC/FID
Lube Oil: <1.3 mg/L by GC/FID

EXHIBIT 197

VOL III

Exhibit 197

FACILITIES ENGINEERING OPERATING LOG									Installation		Waste Water		MONTH												
(Sewage - General)									Plant		June 2007														
DATE	DAY OF WEEK	RAINFALL (INCHES)	TEMP. INFLUENT (C)	TEMP. EFFLUENT (C)	pH INFLUENT	pH EFFLUENT	TOTAL FLOW (MGD)	RAW SLUDGE PUMPED (GALLONS)	RAW SLUDGE		BOD			SUSPENDED SOLIDS			CL2 RESIDUAL (mg/L)	CL2 USED (GL)	DECHLOR (GL) USED	FECAL COLIFORM (COLONIES PER 100ML)	FUEL OIL USED (GALLONS)	DIGESTER GAS PRODUCED (FT ³)			
									TOTAL SOLIDS (%)	TOTAL VOLATILE (%)	INFLUENT (mg/L)	PRIMARY EFFLUENT (mg/L)	FINAL EFFLUENT (mg/L)	OVERALL % REMOVAL	INFLUENT (mg/L)	PRIMARY EFFLUENT (mg/L)							FINAL EFFLUENT (mg/L)	OVERALL % REMOVAL	
1	F	0.00	17	18	6.9	6.8	2.61	30870			132	73	18	86	222	75	29	87	0.13			2			37100
2	Sa	0.00	17	18	6.9	6.9	2.36	27000			159	80	22	86	214	70	17	92	0.11	300	0	23	0		41900
3	S	0.00	17	18	6.8	6.9	2.54	26550			234	62	16	93	250	72	14	94	0.06			70			39600
4	M	0.04	17	18	7.0	6.9	2.96	28910			170	91	17	90	276	83	14	95	0.13			13			38000
5	T	0.04	18	18	6.9	6.9	2.78	28980			128	75	17	87	157	65	12	92	0.10			4			40200
6	W	0.00	18	17	7.1	6.9	2.86	24840			216	90	16	93	139	51	12	91	0.19			2			42900
7	Th	0.00	17	17	7.0	6.8	2.67	21150	2.59	82.1	122	58	13	89	275	68	16	94	0.22			2			44900
8	F	0.00	18	19	7.0	6.8	2.58	16920			128	59	15	88	243	63	17	93	0.26			2			45200
9	Sa	0.32	18	18	6.8	6.8	2.80	17370			126	58	15	88	206	65	15	93	0.18	350	30	2	0		43400
10	S	0.00	17	18	7.0	6.8	2.57	18900			128	73	17	87	171	62	15	91	0.14			8			49000
11	M	0.00	16	17	7.0	6.7	2.79	16650			187	92	20	89	351	69	16	95	0.12			8			39900
12	T	0.00	18	17	6.9	6.7	2.72	16830			259	81	17	93	207	87	14	93	0.14			4			41900
13	W	0.00	18	18	6.9	6.6	2.84	17100			273	83	17	94	290	73	18	94	0.15			2			42500
14	Th	0.00	18	18	7.2	6.7	2.82	17640			164	89	15	81	232	78	15	94	0.10			8			43900
15	F	0.00	18	18	6.7	6.5	2.69	17580	2.79	82.8	152	83	14	91	236	77	18	92	0.12			23			43800
16	Sa	0.08	18	18	6.8	6.7	2.56	17280			135	63	12	91	207	75	13	94	0.13	330	0	13	0		44500
17	S	0.00	18	18	6.7	6.8	2.79	17190			126	70	14	89	256	58	13	95	0.11			50			45000
18	M	0.00	18	16	7.0	6.4	2.62	17640			356	77	14	96	361	56	14	96	0.10			23			38400
19	T	0.00	18	18	7.0	6.3	2.66	16200			179	83	13	93	356	61	14	96	0.07			13			43900
20	W	0.00	18	18	6.9	6.4	2.71	12780	2.84	87.7	268	89	14	85	423	57	21	95	0.10			23			52900
21	Th	0.00	18	19	6.9	6.5	2.76	12780			310	94	13	96	330	70	12	96	0.13			23			47600
22	F	0.00	18	19	6.9	6.4	2.89	13050			163	111	13	92	239	84	14	94	0.10			500			49400
23	Sa	0.01	18	18	6.9	6.5	2.38	12060			164	87	14	91	229	67	13	94	0.09	310	0	50	0		44300
24	S	0.27	18	18	6.8	6.7	2.67	11340			234	95	16	93	301	65	11	96	0.09			30			36600
25	M	0.00	18	17	6.8	6.5	2.94	11340			244	121	14	94	258	75	19	93	0.19			2			36500
26	T	0.00	19	18	6.9	6.7	3.35	11970			192	107	17	91	222	71	14	94	0.14			23			42500
27	W	0.00	17	17	7.0	6.7	2.84	11340			225	85	21	91	269	64	15	94	0.07			2			39500
28	Th	0.26	18	19	7.0	6.5	2.90	11070	3.05	84.8	239	84	16	93	253	77	14	94	0.06			23			38900
29	F	0.30	19	19	7.0	6.6	2.77	12330			172	63	13	92	295	71	16	95				23			38900
30	Sa	0.00	18	18	7.0	6.6	2.19	13770			91	46	15	84	207	60	17	92	0.08	300	0	130			41600
Total		1.32					81.62	527400												1590	30		0		1274800
Max		0.32	19	19	7.2	6.9	3.35	30870			356	121	22	96	423	87	29	96	0.26	350	30		0		52900
Min		0.00	16	16	6.7	6.3	2.19	11070			91	46	12	84	139	51	11	87	0.06	300	0		0		36500
Average		0.04	18	18			2.72	17580			189	81	16	92	256	69	15	94	0.12	318	6	2	0		42493

*New operator did Testing - corrective action taken & trained

PREPARED BY	DATE	REVIEWING OFFICIAL	DATE	DATE
(b)(6)	7/9/07			7 July 07

EXHIBIT 198

VOL III

Exhibit 198

FACILITIES ENGINEERING OPERATING LOG									Installation FORT LEWIS									MONTH								
(Sewage - General)									Plant Waste Water									July 2007								
DATE	DAY OF WEEK	RAINFALL (INCHES)	TEMP. INFLUENT (C)	TEMP. EFFLUENT (C)	PH INFLUENT	PH EFFLUENT	TOTAL FLOW (MGD)	RAW SLUDGE PUMPED (GALLONS)	RAW SLUDGE		BOD				SUSPENDED SOLIDS				CL2 RESIDUAL (mg/L)	CL2 USED (GL)	DECHLOR (GL) USED	FECAL COLIFORM (COLONIES PER 100ML)	FUEL OIL USED (GALLONS)	DIGESTER GAS PRODUCED (FT 3)		
									TOTAL SOLIDS (%)	TOTAL VOLATILE (%)	INFLUENT (mg/L)	PRIMARY EFFLUENT (mg/L)	FINAL EFFLUENT (mg/L)	OVERALL % REMOVAL	INFLUENT (mg/L)	PRIMARY EFFLUENT (mg/L)	FINAL EFFLUENT (mg/L)	OVERALL % REMOVAL								
1	S	0.00	18	19	6.8	6.7	2.17	16740			223	85	17	92	210	94	25	88	0.09				130		38100	
2	M	0.00	18	19	6.8	6.8	2.38	17640			246	61	17	93	232	89	14	94	0.15				80		38300	
3	T	0.00	18	18	6.9	7.0	2.21	17010			177	75	21	88	181	60	12	93	0.10				23		38800	
4	W	0.00	18	19	7.0	6.9	2.18	16470			160	57	17	89	206	60	15	93	0.07				4		37600	
5	Th	0.00	18	20	7.2	6.9	2.52	12690	2.90	81.4	262	64	17	94	264	58	16	94	0.07				30		34300	
6	F	0.00	18	19	6.8	7.0	2.65	9720			201	75	16	92	439	73	16	96	0.08				2		33400	
7	Sa	0.00	18	19	6.9	6.9	2.56	11070			183	88	21	89	290	68	16	94	0.10	700	20		30	0	42600	
8	S	0.00	18	19	6.9	6.9	2.35	18180			205	68	19	91	229	53	14	94	0.05				2		52900	
9	M	0.00	19	20	7.3	6.9	2.50	19140			209	116	31	85	342	85	21	94	0.08				60		44800	
10	T	0.00	20	19	7.0	6.9	2.27	19080			145	82	20	86	334	75	18	95	0.04				30		44700	
11	W	0.00	21	20	7.0	6.9	2.79	20430			244	106	23	91	354	55	17	95	0.18				4		45300	
12	Th		19	20	7.2	7.3	3.03	20610	2.68	78.6	222	106	21	91	290	84	17	94	0.07				23		48700	
13	F		19	20	6.9	7.1	2.84	18720			140	74	17	88	301	67	14	95	0.10				50		46200	
14	Sa		19	20	6.8	7.1	2.29	15390			110	54	18	84	214	63	15	93	0.08	370	5		110	0	53600	
15	S	0.00	19	20	6.8	6.9	2.60	16740			132	69	20	85	323	66	13	96	0.09				70		35000	
16	M	0.00	20	20	6.7	6.9	2.81	16290			132	63	15	89	259	47	12	95	0.04				17		41800	
17	T	0.39	20	19	6.9	7.0	3.18	112950			271	94	18	93	301	72	15	95	0.03				240		44100	
18	W	0.30	20	19	7.2	6.9	3.46	16020			283	101	21	93	256	79	19	93	0.03				80		34100	
19	Th	0.35	20	20	7.0	7.2	3.27	17470	2.90	0.0	224	92	27	88	310	73	20	94	0.10				50		41100	
20	F	0.25	19	20	6.8	7.2	3.40	17010			146	87	25	83	264	69	23	91	0.08				50		48500	
21	Sa	0.14	19	20	6.9	7.1	2.94	18990			149	85	21	86	226	69	20	91	0.07	380	5		130		49900	
22	S	0.01	19	20	6.8	7.1	3.26	18270			164	81	24	85	182	67	20	89	0.06				23		44200	
23	M	0.01	20	20	6.8	6.9	2.61	19350			294	100	28	90	320	93	21	93	0.13				50		41800	
24	T	0.00	18	20	6.9	7.1	2.78	18990			205	114	25	88	251	74	21	92	0.10				30		49600	
25	W	0.00	20	20	7.0	7.0	2.82	18540			229	93	22	90	254	127	14	94	0.13				23		61500	
26	Th		19	20	7.0	6.9	2.84	15030			349	100	24	93	273	82	18	93	0.28				13		53600	
27	F	0.00	20	20	6.9	7.0	2.49	11250			165	86	20	88	283	85	16	94	0.21				13		41000	
28	Sa	0.00	20	21	6.9	7.0	2.51	11520	100.00	0.0	117	51	20	83	229	62	17	93	0.10	475	0		2		45900	
29	S		20	21	6.9	6.9	2.46	11250			228	68	16	93	257	59	14	95	0.18				80		45300	
30	M	0.00	20	19	7.0	6.9	2.65	11340			294	86	20	93	302	79	17	94	0.09				8		43400	
31	T	0.00	20	19	7.0	6.9	2.64	12330			246	94	21	91	326	75	16	95	0.13				4		44800	
Total		1.45					83.46	596230												1925	30			0		1364900
Max		0.39	21	21	7.3	7.3	3.46	112950			349	116	31	94	439	127	25	96	0.28	700	20			0		61500
Min		0.00	18	18	6.7	6.7	2.17	9720			110	51	15	83	181	47	12	88	0.03	370	0			0		33400
Average		0.06	19	20			2.69	19233			205	83	21	90	274	73	17	94	0.10	481.3	8		130	0		44029

(9) (9)

DATE: 8/6/07
 DIRECTOR: (9) (9)
 DATE: 8/8/07
 PW ENGINEER: 11
 DATE: 7/24/07

EXHIBIT 199

VOL III

Exhibit 199

FA ENGINEERING OPERATING LOG

Installation

FORT

MONTH

August 2007

(Sewage - General)

Plant

Waste Water

DATE	DAY OF WEEK	RAINFALL (INCHES)	TEMP. INFLUENT (C)	TEMP. EFFLUENT (C)	PH INFLUENT	PH EFFLUENT	TOTAL FLOW (MGD)	RAW SLUDGE PUMPED (GALLONS)	RAW SLUDGE (% SOLIDS)	RAW SLUDGE (% TOTAL VOLATILE)	INFLUENT (mg/L)	PRIMARY EFFLUENT (mg/L)	FINAL EFFLUENT (mg/L)	OVERALL % REMOVAL	INFLUENT (mg/L)	PRIMARY EFFLUENT (mg/L)	FINAL EFFLUENT (mg/L)	SUSPENDED SOLDS	OVERALL % REMOVAL	CL2 RESIDUAL (mg/L)	CL2 USED (GL)	DECHLOR (GL) USED	FECAL COLIFORM (COLONIES PER 100/ML)	FUEL OIL USED (GALLONS)	DIGESTER GAS PRODUCED (FT 3)	
1	W	0.00	21	20	6.9	6.9	2.63	14130			223	85	24	89	290	91	21	93	0.27				4		45700	
2	Th	0.00	21	19	7.1	6.9	2.59	12600			183	86	23	87	261	78	25	90	0.10				4		43800	
3	F	20	20	20	7.0	6.9	2.62	13540			147	76	22	85	254	82	21	92	0.19				7		47600	
4	Sa	20	20	20	6.9	6.8	2.44	13230			149	70	23	85	228	64	23	90	0.10				130	0	39000	
5	S	19	20	20	7.0	6.9	2.48	12690			216	80	20	91	233	80	18	92	0.10				130		40200	
6	M	19	19	19	6.9	6.8	2.22	17730			242	105	18	93	287	84	20	93	0.23				2		40800	
7	T	20	20	20	6.9	6.9	2.83	18540			227	121	22	90	338	81	14	96	0.16				2		42800	
8	W	20	20	20	6.9	7.0	2.77	17460	2.64	81.0	264	92	21	92	325	80	18	94	0.21				2		44000	
9	Th	19	19	19	7.0	6.9	2.63	16920			272	82	18	93	299	71	20	93	0.10				8		42000	
10	F	19	19	19	7.0	7.0	2.59	16740			172	67	15	91	258	85	17	93	0.09				4		44700	
11	Sa	19	19	19	6.9	7.0	2.27	16560			170	74	16	91	265	77	16	94	0.08				5		37400	
12	S	19	19	19	7.0	7.0	2.50	16290			239	87	14	94	139	73	14	90	0.10				2		35600	
13	M	20	20	20	7.1	6.9	2.64	16380			369	86	16	96	525	65	15	97	0.10				13		35300	
14	T	20	20	21	7.0	7.1	2.69	16100			266	92	18	93	316	66	14	96	0.08				22		37500	
15	W	20	21	21	7.0	7.1	2.61	16740	2.78	80.8	308	99	19	94	378	87	14	96	0.14				4		36300	
16	Th	20	21	21	7.0	7.1	2.75	16470			163	77	18	89	366	78	15	96	0.13				17		36200	
17	F	19	20	20	7.1	7.0	2.68	16650			189	93	12	94	361	69	16	96	0.22				2		41000	
18	Sa	0.22	20	20	7.0	7.0	2.38	16100			158	107	19	88	290	78	14	95	0.06				10	1600	0	40100
19	S	0.10	20	20	6.9	7.1	2.60	16380			221	68	15	93	263	157	13	96	0.08				30		43900	
20	M	0.41	19	19	7.0	6.9	2.92	16560			273	103	24	91	284	71	19	93	0.10				17		36000	
21	T	0.15	20	20	6.9	7.1	2.96	21240			223	99	22	90	240	67	20	92	0.08				23		45600	
22	W	0.00	20	19	7.1	7.1	2.67	15210			314	83	25	92	276	58	13	95	0.11				23		41400	
23	Th	0.00	19	20	7.2	7.1	2.68	18450			312	95	19	94	280	94	11	96	0.14				13		51300	
24	F	19	19	20	7.1	7.0	2.80	21510			152	73	16	89	262	85	11	96	0.08				23		50200	
25	Sa	0.19	19	20	7.0	7.0	2.55	19980			140	68	15	89	256	72	12	95	0.10				10		42500	
26	S	0.00	19	20	6.9	6.9	2.39	20340	2.33	78.6	218	74	15	93	212	73	10	95	0.11				8		43900	
27	M	0.00	20	18	7.0	6.9	2.61	23580			248	73	17	93	171	106	14	92	0.07				80		36500	
28	T	0.00	19	19	7.0	7.0	2.68	19980			292	82	14	95	340	70	11	97	0.06				30		45600	
29	W	0.00	19	19	6.9	7.0	2.73	19980			235	54	16	93	270	78	12	96	0.07				90		46300	
30	Th	0.00	20	19	7.0	6.9	2.68	16920			172	85	16	91	241	70	16	93	0.08				30		45600	
31	F	19	19	19	7.0	6.8	2.48	16290	2.57	81.9	121	62	13	89	225	50	10	96	0.06				500		33200	
Total		1.07					81.07	531290																	0	1296000
Max		0.41	21	21	7.2	7.1	2.96	23580			369	121	25	96	525	157	25	97	0.27						0	51300
Min		0.00	19	18	6.9	6.8	2.22	12600			121	54	12	89	139	50	10	90	0.06						0	33200
Average		0.08	20	20			2.62	17138			282	79	16	94	0.12	331.3	25	4							0	41806

Director
Public Works

PREPARE

DATE

9/6/07

DATE

7 Sept 07

PW ENGINEER

(b)(6)

DATE

(b)(6)

(b)(6)

(b)(6)

(b)(6)

EXHIBIT 200

VOL III

Exhibit 200

Anatek Labs, Inc.

1282 Arden Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com
504 E Sprague Sta. 0 • Spokane WA 99202 • (509) 838-9999 • Fax (509) 838-4433 • email spokane@anateklabs.com

FORT LEWIS

(b)(6)

AF24-AWE, (b)(6) 339500

PROJECT: WWTP

FORT (b) IS, WA 98433

Certificate of Analysis

Petroleum-NWTPH-D Extended by GC/FID (#915 method)

Sample Name:	WW-2006021-TPHX	Analyte	Result	Units	PQL
Sample Location:		Diesel	0.78	mg/L	0.1
Sampling Date:	6/27/2006	Lube Oil	2.01	mg/L	0.5
Sampling Time:	12:35				
Date Received:	6/30/2006	NWTPH-D Surrogate ((b)(6))	Percent Recovery		55.4
Extraction Date:	6/29/2006	Surrogate Acceptance Range:	50-150		
Lab #:	06X2024-01	Comments:			
Matrix:	WASTE WATER				
Analysis Date NWTPH-D:	6/26/2006				
Analyst:	SAT				

Lab Supervisor:

Report Date:

05 Jul 08

Eff results over Hydrocarbons

EXHIBIT 201

VOL III

Exhibit 201

Anatek Labs, Inc.

1252 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (b)(6) • email moscow@anateklabs.com
504 E Sprague Ste. D • Spokane WA 99202 • (b)(6) • Fax (b)(6) • email spokane@anateklabs.com

FORT LEWIS

(b)(6)

BOX 339500, (b) 17
FORT LEWIS, WA 98433

PROJECT: WWTP-EFFLUENT / INFLUENT

Report Date: 23-Oct-06

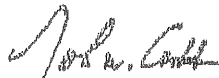
Certificate of Analysis

Petroleum (b)(6) 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	0.98	mg/L	0.5
Sampling Time:	10:13				
Date Received:	10/12/2006				
Extraction Date:	10/16/2006	NWTPH-D Surrogate (Hexacosane) Percent Recovery			78.0
Lab #:	06X3429-01	Surrogate Acceptance Range: 50-150			
Matrix:	WASTE WATER				
Analysis Date NWTPH-D:	10/19/2006	Comments:			
Analyst:	SAT				

Sample Name:	WWE-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				
Analysis Date NWTPH-D:	10/19/2006	Comments:			
Analyst:	SAT				

Approved by:



ND Not Detected

PQL Practical Quantitation Limit

NWTPH-D Report

Page 1 of 1

G 639

Anatek Labs, Inc.

1282 Alturas Drive • Moscow, ID 83843 • (h)(6) • Fax (h)(6) • email (h)(6)
 504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (h)(6) • email spokane@anateklabs.com

FORT LEWIS

(h)(6)
 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	97.9

%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	106.7
4-Bromofluorobenzene %R	100.6
Toluene-d8 %R	97.1

%R AR 70-130

Eff + Inf. Monthly results

Approved by: _____

John W. Cadden

ND Not Detected PQL Practical Quantitation Limit

EXHIBIT 202

VOL III

Exhibit 202

Anatek Labs, Inc.

1282 Alturas Drive • Moscow, ID 83843 • (b)(6) • Fax (b)(6) • email moscow@anateklabs.com
504 E Sprague Ste. D • Spokane WA 99202 • (b)(6) • Fax (509) 838-4439 • email (b)(6)

FORT LEWIS

(b)(6)

BOX 339500, (b) 17

FORT LEWIS, WA 98433

PROJECT: WWTP - EFFLUENT/INFLUENT

Report Date: 10-Nov-06

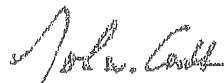
Certificate of Analysis

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:	9:10				
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

EXHIBIT 203

VOL III

Exhibit 203

Anatek Labs, Inc.

1282 Alturas Drive • Moscow, ID 83643 • (208) 863-2839 • Fax (b)(6) • 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

(b)(6) CHAVEZ

BOX 339500, 17

FORT LEWIS, WA 98433

Project: WWTP - EFFLUENT/INFLUENT

Report Date: 10-Nov-06

Certificate of Analysis

Gasoline - TPH-Gx (EPA 8015Bmod)

Sample Name: WWVE-2006-1101

Sample Location:

Sampling Date: 11/1/2006

Sampling Time: 9:10

Date Received: 11/2/2006

Lab #: 08X3707-01

Matrix: WASTE WATER

Analysis Date: 11/8/2006

Analyte	Result	Units	POE	Method
gasoline	ND	mg/L	0.1	EPA 8015Bmod
Surrogate Standard (B280)		% Recovery		
1,2-Dichlorobenzene-d4 %R	107.5			%R AR 70-130
4-Bromofluorobenzene %R	90.1			
Toluene-d8 %R	92.1			

Sample Name: WWI-2006-1101

Sample Location:

Sampling Date: 11/1/2006

Sampling Time: 9:10

Date Received: 11/2/2006

Lab #: 08X3707-02

Matrix: WASTE WATER

Analysis Date: 11/8/2006

Analyte	Result	Units	POE	Method
gasoline	0.2	mg/L	0.1	EPA 8015Bmod
Surrogate Standard (B280)		% Recovery		
1,2-Dichlorobenzene-d4 %R	120.3			%R AR 70-130
4-Bromofluorobenzene %R	96.3			
Toluene-d8 %R	87.4			

Eff + Inf Comp Monthly Sample

Approved by:

J. W. Cook

ND Not Detected

POE Practical Quantitation Limit

Anatek Labs, Inc.

1262 Alturas Drive • Moscow, ID 83843 • (b)(6) • Fax (b)(6) • email moscow@anateklabs.com
504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3888 • Fax (509) 838-4433 • email (b)(6)

FORT LEWIS

(b)(6)
BOX 339500, (b) 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: *[Signature]*

ND Not Detected (b)(6) Quantitation Limit

EXHIBIT 204

VOL III

Exhibit 204

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-MS-17
 Ft Lewis, WA 98433-9500
 Attn: AJ Long

Client ID: Raw Comp Sample
 Sample Matrix: Water
 Date Sampled: 11/09/2006
 Date Received: 11/13/2006
 Spectra Project: (b)(6)
 Spectra Number:!

Analyte	Result	Units	Method	Analyte	Result	Units	Method
Bromochloromethane	<5	µg/L	SW846 8260B	Methylene chloride	17	µg/L	SW846 8260B
Bromodichloromethane	<5	µg/L	SW846 8260B	Naphthalene	10	µg/L	SW846 8260B
Bromoform	<5	µg/L	SW846 8260B	Styrene	<5	µg/L	SW846 8260B
Bromomethane	<5	µg/L	SW846 8260B	Tetrachloroethene	8	µg/L	SW846 8260B
Carbon Disulfide	<25	µg/L	SW846 8260B	Toluene	<5	µg/L	SW846 8260B
Carbon Tetrachloride	<5	µg/L	SW846 8260B	Total Xylenes	<10	µg/L	SW846 8260B
Chlorobenzene	<5	µg/L	SW846 8260B	Trichloroethene	<5	µg/L	SW846 8260B
Chlorobromomethane	<5	µg/L	SW846 8260B	Trichlorofluoromethane	<5	µg/L	SW846 8260B
Chloroethane	<5	µg/L	SW846 8260B	Vinyl Acetate	<50	µg/L	SW846 8260B
Chloroform	<5	µg/L	SW846 8260B	Vinyl chloride	<5	µg/L	SW846 8260B
Chloroform	<5	µg/L	SW846 8260B	cis-1,2-Dichloroethene	<5	µg/L	SW846 8260B
Chloromethane	<5	µg/L	SW846 8260B	cis-1,3-Dichloropropene	<5	µg/L	SW846 8260B
Dibromomethane	<5	µg/L	SW846 8260B	n-Butylbenzene	<5	µg/L	SW846 8260B
Dichlorodifluoromethane	<5	µg/L	SW846 8260B	n-Propylbenzene	<5	µg/L	SW846 8260B
Dibromomethane	<5	µg/L	SW846 8260B	sec-Butylbenzene	<5	µg/L	SW846 8260B
Dibromomethane	<5	µg/L	SW846 8260B	tert-Butylbenzene	<5	µg/L	SW846 8260B
Dibromomethane	<5	µg/L	SW846 8260B	trans-1,2-Dichloroethene	<5	µg/L	SW846 8260B
Dibromomethane	<5	µg/L	SW846 8260B	trans-1,3-Dichloropropene	<5	µg/L	SW846 8260B
Dibromomethane	<5	µg/L	SW846 8260B				

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

Sample	Recovery	Method	Sample	Recovery	Method
Chloroform	91	NW7PH-D	Chloroform	91	NW7PH-D
Chloroform	157	NW7PH-G	Chloroform	157	NW7PH-G
1,1-Dichloroethene	55	NW7PH-G	1,1-Dichloroethene	55	NW7PH-G
1,2-Dichloroethene	95	SW846 8260B	1,2-Dichloroethene	95	SW846 8260B
1,3-Dichloroethene	51	SW846 8260B	1,3-Dichloroethene	51	SW846 8260B
1,4-Dichloroethene	107	SW846 8260B	1,4-Dichloroethene	107	SW846 8260B
1,1,1-Trichloroethene	94	SW846 8260B	1,1,1-Trichloroethene	94	SW846 8260B

SPECTRA LABORATORIES

Steve Hibbs, Laboratory Manager

Page 2 of 4

2 4 1316918289 06/02/0 13/16/6 9002 82 AGN (DEA)

G 646

Requested Sample results for Influent Wastewater
Solvent Spill

SPECTRA Laboratories

2221 Koss Way * Tacoma, WA 98421 * (253) 272-4950 * Fax (253) 572-9858 * www.spectra-lab.com

1 (b)(6)

Fort Lewis Public Works
Attn: WTP
Box 339500-M9-17
Ft Lewis, WA 98433-9500
(b)(6) Long

P.O.#: Pd CC 055511

Client ID: Raw Comp Sample
Sample Matrix: Water
Date Sampled: 11/09/2006
(b)(6) 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
Gasolines	4500*	µg/L	NWTPH-G	1,3-Dichlorobenzene	19	µg/L	SW846 8260B
1,1,1,2-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
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-Trichloroethane	<5	µg/L	SW846 8260B	2-Chloroethane	<5	µg/L	SW846 8260B
1,1-Dichloropropane	<5	µg/L	SW846 8260B	2-Hexanone (MBK)	<50	µg/L	SW846 8260B
1,2,3-Trichlorobenzene	<5	µg/L	SW846 8260B	4-Chlorotoluene	<5	µg/L	SW846 8260B
1,3,5-Trichlorobenzene	<5	µg/L	SW846 8260B	4-Isopropyltoluene	21	µg/L	SW846 8260B
1,2,4-Trichlorobenzene	10	µg/L	SW846 8260B	4-methyl-2-pentanone (MIBK)	<50	µg/L	SW846 8260B
1,2,4-Trimethylbenzene	19	µg/L	SW846 8260B	Acetone	90	µg/L	SW846 8260B
1,3-Dibromo-5-Chloropropane	<50	µg/L	SW846 8260B	Acrolein	<25	µg/L	SW846 8260B
1,3-Dibromoethane (EDB)	<5	µg/L	SW846 8260B	Acrylonitrile	<25	µg/L	SW846 8260B
1,2-Dichlorobenzene	600	µg/L	SW846 8260B	Benzene	<5	µg/L	SW846 8260B
1,1-Dichloroethane	<5	µg/L	SW846 8260B	Bromobenzene	<5	µg/L	SW846 8260B

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

Sample	Recovery	Method	Sample	Recovery	Method
n-Tetradecane	92	NWTPH-D			
Toluene-d8	100	NWTPH-G			
1,1-Dibromoethane	93	SW846 8260B			
Dibromochloroethane	91	SW846 8260B			
1,2-Dibromoethane-d4	91	SW846 8260B			
Toluene-d8	100	SW846 8260B			
4-Bromobiphenylene	95	SW846 8260B			

SPECTRA LABORATORIES

Steve Hibbs, Laboratory Manager

Page 1 of 4

3 1812349289 0N/82:6 18/12:6 0005 82 10N(211)

FROM

G 645

EXHIBIT 205

VOL III
Exhibit 205

NO TEST RES



Anatek Labs, Inc.

Chain of Custody Record

- 1282 Alturas Drive, Moscow ID 83843 33-2839 FAX 882-9246
- 504 E Sprague Ste D, Spokane WA 99202 (509) 838-3999 FAX 838-4433

Anatek Log-In #

Turn Around Time & Reporting

Please refer to our normal turn around times at: <http://www.anateklabs.com/services/guidelines/reporting.asp>

- Normal All rush order requests must be prior approved.
- Next Day*
- 2nd Day*
- Other*
- Phone
- Mail
- Fax
- Email

Company Name: FOOT LABS Project Manager: (b)(6)

Address: AT 24 - RUE MS 17 BOX 334500 Project Name & #: WWTW

City: FT LEWIS State: WA Zip: 98933-1500 Email Address: (b)(6)

Phone: (b)(6) Purchase Order #:

Fax: (b)(6) Sampler Name & phone: PAUL JOHNSON 253-947-7453

Provide Sample Description				List Analyses Requested		Note Special Instructions/Comments
Lab ID	Sample Identification	Sampling Date/Time	Matrix	# of Containers	Sample Volume	
	WASTEWATER TREATMENT PLANT EFFLUENT					
	WWTW-20X C118	1-18-06/10:30	WASTE WATER	1	250ml	

Inspection Checklist

- Received Intact? Y N
- Labels & Chains Agree? Y N
- Containers Sealed? Y N
- VOC Head Space? Y N

Temperature (°C):

Preservative:

Date & Time:

Inspected By:

Relinquished by: (b)(6) Signature: (b)(6) Company: D.C.D. Date/Time: 7/8/06 10:30

Received by: (b)(6) Signature: (b)(6) Company: Foot Labs Date/Time: 7/18/06 10:50

Relinquished by:

Received by:

Relinquished by:

Received by:

G 492

EXHIBIT 206

VOL III

Exhibit 206

(b)(6)

CIV USA IMCOM

From: (b)(6) USA IMCOM
 Sent: Tuesday, September 11, 2007 11:07 AM
 To: (b)(6) CIV USA IMCOM
 Subject: RE: RE: NPDES permit

The TPH influent sampling we are collecting is not a requirement in the permit. He states that influents are not required to be reported on the DMR unless it is a condition of the permit. Example: BOD and TSS, influent data is required since the permit stated we need 80% removal for those elements thus we submit the data with the DMR.

-----Original Message-----

From: (b)(6) (b)(6)
 Sent: Tuesday, September 11, 2007 10:52 AM
 To: (b)(6) CIV USA IMCOM
 Subject: Re: RE: NPDES permit

(b)(6)

I interpret that we must report influent data, since we must sample this waste stream (only one). Is that your interpretation as well?

(b)(6)

----- Original Message -----

From: (b)(6)
 Date: Monday, September 10, 2007 8:49
 Subject: RE: NPDES permit
 To: (b)(6) CIV USA IMCOM
 Cc: (b)(6) CIV USA IMCOM

- > II.H applies only to those waste streams that are required to be
- > sampled by the permit. Under II.H, if you were to sample those waste
- > streams more frequently than required by the permit, you would be
- > required to submit that result in the DMR. Influent data that are not
- > required to be monitored by the permit would not have to be reported
- > in the DMR.

>
>
>
>
>
>

(b)(6)

> Ms CIV USA
 > IMCOM"
 > To

> .army.mil>

> (b)(6) CIV USA
 > IMCOM"
 > 09/07/2007 08:53

> AM
 > Subject
 > RE: NPDES permit

(b)

> As I explained there is some disagreements within our internal staff
> regarding requirements on the NPDES permit # WA-002195-4. I ask your
> assistance to put in writing certain topics that have been raised.

> I
> have summarized our conversation:

> 1. Biosolids are not reported on the DMR. The biosolids permit is
> separate from the NPDES permit.

> The DMR should only include the results of the monitoring required by
> the permit. Biosolids information is not required by the permit.

> 2. Only effluent results are required to be reported on the DMR.
> Influent results and internal process/engineering results are not
> required to reported on the DMR.

> Yes. The permit specifies that final effluent must be monitored. The
> only exception is for BOD and TSS relative to determining percent
> removal. To calculate percent removal, influent samples must be
> taken. However, again the permit only requires that the actual percent
> removal calculated number be reported in the DMR.

> 3. Any effluent discharge that may be expected to cause or contribute
> to a violation that is unlikely to be detected by a routine sample
> should be reported on the DMR.

> II.E. of the permit states in part as follows:

> Permittee shall collect additional samples at the appropriate sampling
> points and analyze them for the parameters limited in Part I.
> Table 1 of
> the permit, whenever any discharge occurs that may reasonably be
> expected to cause or contribute to a violation that is unlikely to be
> detected by routine sample....

> A point to consider is that above permit requirement is for parameters
> listed in Part I. Table 1. Parameters listed include BOD, tss, fecal,
> and TRC.

> 4. Per the NPDES permit, 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.

> Yes, this requirement is found in Part 1.C.

> Please respond to this email with your concurrence on the summary.
> Thank you.

(b)(6)

> Water Program Manager
> Fort Lewis Public Works
> Environmental Division

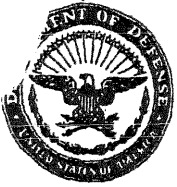
v Tel: (b)(6)
v DSN: (b)(6)
v Fax: (b)(6)

v How are we doing? Rate our service at:
v http://ice.disa.mil/index.cfm?fa=card&service_provider_id=101425&site_id=348
v
v

EXHIBIT 207

VOL III

Exhibit 207



REPLY TO
ATTENTION OF

DEPARTMENT OF THE ARMY
INSTALLATION MANAGEMENT COMMAND
UNITED STATES ARMY GARRISON, FORT LEWIS
BOX 339500, MAIL STOP 17
FORT LEWIS WASHINGTON 98433-9500

30 Mar 2007

IMNW-LEW-PW

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

Subject: Wastewater Effluent, NPDES Permit # WA-002195-4

To Whom It Concerns:

Fort Lewis had an external agency conduct engineering samples at the wastewater treatment plant in December 2006. The summary of effluent sampling results from the engineering study is enclosed.

If you have questions about this report, contact (b)(6) at (b)(6) or email at (b)(6)

Sincerely,

(b)(6)

Director of Public Works

Enclosures

Detected Analytes and Concentrations in Wastewater.

Analyte	Date	Time	WWTP Effluent
BOD (mg/L)	4-5 Dec 06	0700-0700	9.3
	5-6 Dec 06	0700-0700	26 J, D
	6-7 Dec 06	0700-0700	27 J, D
TSS (mg/L)	4-5 Dec 06	0700-0700	20
	5-6 Dec 06	0700-0700	24.7
	6-7 Dec 06	0700-0700	26.4
Ammonia (mg/L)	4-5 Dec 06	0700-0700	3.5
	5-6 Dec 06	0700-0700	4.5
	6-7 Dec 06	0700-0700	5.8
Nitrate/Nitrite (mg/L)	4-5 Dec 06	0700-0700	20
	5-6 Dec 06	0700-0700	21
	6-7 Dec 06	0700-0700	24
TKN (mg/L)	4-5 Dec 06	0700-0700	6.7
	5-6 Dec 06	0700-0700	8.1
	6-7 Dec 06	0700-0700	8.8
Total Phosphorus (mg/L)	4-5 Dec 06	0700-0700	3.72
	5-6 Dec 06	0700-0700	4.34
	6-7 Dec 06	0700-0700	4.54
Oil and Grease (mg/L)	4-Dec 06	grab	ND (<5.30)
	5-Dec 06	grab	ND (<5.00)
	6-Dec 06	grab	ND (<5.10)
TPH-Diesel Range (ppb)	4-Dec 06	grab	690J
	5-Dec 06	grab	830
	6-Dec 06	grab	4000
TPH-Heavy Range (ppb)	4-Dec 06	grab	1600J
	5-Dec 06	grab	1600
	6-Dec 06	grab	6900
TPH-Gasoline	4-Dec 06	grab	ND(<48)
	5-Dec 06	grab	ND(<48)
	6-Dec 06	grab	ND(<48)

J: estimated value ND: not detected D: data was discarded due to laboratory QA/QC findings Example: (<5.00) = the analyte was not detected above the 5.00 mg/L reporting limit

Detected Analytes and Concentrations (continued).

Analyte	Date	Time	WWTP Effluent
Aluminum (mg/L)	4-5 Dec 06	0700-0700	0.243/0.227 ^d
	5-6 Dec 06	0700-0700	0.252
	6-7 Dec 06	0700-0700	0.246
Arsenic (µg/L)	4-5 Dec 06	0700-0700	1.03ND(<1.0) ^d
	5-6 Dec 06	0700-0700	1.17
	6-7 Dec 06	0700-0700	ND(<2.00)
Cadmium (µg/L)	4-5 Dec 06	0700-0700	ND(<2.00)/ ND(<2.00) ^d
	5-6 Dec 06	0700-0700	ND(<2.00)
	6-7 Dec 06	0700-0700	ND(<1.00)
Calcium (mg/L)	4-5 Dec 06	0700-0700	16.6/16.2 ^d
	5-6 Dec 06	0700-0700	18.4
	6-7 Dec 06	0700-0700	18.9
Chromium (µg/L)	4-5 Dec 06	0700-0700	ND(<2.00)/ ND(<2.00) ^d
	5-6 Dec 06	0700-0700	ND(<2.00)
	6-7 Dec 06	0700-0700	ND(<2.00)
Copper (µg/L)	4-5 Dec 06	0700-0700	32.7/33.7 ^d
	5-6 Dec 06	0700-0700	36.7
	6-7 Dec 06	0700-0700	34.8
Iron (mg/L)	4-5 Dec 06	0700-0700	0.269/0.178 ^d
	5-6 Dec 06	0700-0700	0.258
	6-7 Dec 06	0700-0700	0.258
Lead (µg/L)	4-5 Dec 06	0700-0700	3.37/1.03 ^d
	5-6 Dec 06	0700-0700	1.05
	6-7 Dec 06	0700-0700	ND(<5.00)
Magnesium (mg/L)	4-5 Dec 06	0700-0700	5.24/5.05 ^d
	5-6 Dec 06	0700-0700	5.64
	6-7 Dec 06	0700-0700	5.66
Mercury (µg/L)	4-5 Dec 06	0700-0700	ND(<0.200)/ ND(<0.200) ^d
	5-6 Dec 06	0700-0700	ND(<0.200)
	6-7 Dec 06	0700-0700	ND(<0.200)
Molybdenum (µg/L)	4-5 Dec 06	0700-0700	5.67/ND(<5.00) ^d
	5-6 Dec 06	0700-0700	9.91
	6-7 Dec 06	0700-0700	10.8
Nickel (µg/L)	4-5 Dec 06	0700-0700	2.45/4.00 ^d
	5-6 Dec 06	0700-0700	2.64
	6-7 Dec 06	0700-0700	ND(<2.00)

J: estimated value ND: not detected d: dissolved metal concentration

Detected Analytes and Concentrations (continued).

Analyte	Date	Time	WWTP Effluent
Selenium ($\mu\text{g/L}$)	4-5 Dec 06	0700-0700	ND(<1.00)/ ND(<1.00) ^d
	5-6 Dec 06	0700-0700	ND(<1.00)
	6-7 Dec 06	0700-0700	ND(<2.00)
Silver ($\mu\text{g/L}$)	4-5 Dec 06	0700-0700	ND(<1.00)/ ND(<1.00) ^d
	5-6 Dec 06	0700-0700	ND(<1.00)
	6-7 Dec 06	0700-0700	ND(<1.00)
Zinc (mg/L)	4-5 Dec 06	0700-0700	0.07/0.0740 ^d
	5-6 Dec 06	0700-0700	0.079
	6-7 Dec 06	0700-0700	0.112
VOCs ($\mu\text{g/L}$)			
Chloroform	4-Dec		ND
	5-Dec		ND
	6-Dec		11
1,4-dichlorobenzene	4-Dec		ND
	5-Dec		ND
	6-Dec		ND
1,2-dichlorobenzene	4-Dec		ND
	5-Dec		ND
	6-Dec		ND
Tetrachloroethene	4-Dec		ND
	5-Dec		ND
	6-Dec		ND
Toluene	4-Dec		ND
	5-Dec		ND
	6-Dec		ND
SVOCs ($\mu\text{g/L}$)			
Phenol	4-5 Dec 06	0700-0700	ND
	5-6 Dec 06	0700-0700	ND
	6-7 Dec 06	0700-0700	ND
Acenaphthene	4-5 Dec 06	0700-0700	ND
	5-6 Dec 06	0700-0700	ND
	6-7 Dec 06	0700-0700	ND
Diethylphthalate	4-5 Dec 06	0700-0700	ND
	5-6 Dec 06	0700-0700	ND
	6-7 Dec 06	0700-0700	ND

f: estimated value ND: not detected d: dissolved metal concentration

Detected Analytes and Concentrations (continued).

Analyte	Date	Time	WWTP Effluent
di-n-butylphthalate	4-5 Dec 06	0700-0700	ND
	5-6 Dec 06	0700-0700	ND
	6-7 Dec 06	0700-0700	ND
Fluorene	4-5 Dec 06	0700-0700	ND
	5-6 Dec 06	0700-0700	ND
	6-7 Dec 06	0700-0700	ND
Butylbenzylphthalate	4-5 Dec 06	0700-0700	ND
	5-6 Dec 06	0700-0700	ND
	6-7 Dec 06	0700-0700	ND
Bis(2-ethylhexyl)phthalate	4-5 Dec 06	0700-0700	13
	5-6 Dec 06	0700-0700	7
	6-7 Dec 06	0700-0700	7
1,2-Dichlorobenzene	4-5 Dec 06	0700-0700	ND
	5-6 Dec 06	0700-0700	ND
	6-7 Dec 06	0700-0700	ND
1,4-Dichlorobenzene	4-5 Dec 06	0700-0700	ND
	5-6 Dec 06	0700-0700	ND
	6-7 Dec 06	0700-0700	ND
Naphthalene	4-5 Dec 06	0700-0700	ND
	5-6 Dec 06	0700-0700	ND
	6-7 Dec 06	0700-0700	ND
Phenanthrene	4-5 Dec 06	0700-0700	ND
	5-6 Dec 06	0700-0700	ND
	6-7 Dec 06	0700-0700	ND
<i>OC Pesticides/PCBs</i>			
Alpha Chlordane	4-5 Dec 06	0700-0700	0.0079J
	5-6 Dec 06	0700-0700	0.0061J
	6-7 Dec 06	0700-0700	0.0059J
Heptachlor	4-5 Dec 06	0700-0700	ND
	5-6 Dec 06	0700-0700	ND
	6-7 Dec 06	0700-0700	ND
o,p-DDD	4-5 Dec 06	0700-0700	ND
	5-6 Dec 06	0700-0700	ND
	6-7 Dec 06	0700-0700	ND
OP Pesticides	4-5 Dec 06	0700-0700	ND
	5-6 Dec 06	0700-0700	ND
	6-7 Dec 06	0700-0700	ND

J: estimated value ND: not detected

EXHIBIT 208

VOL III

Exhibit 208

Analysis Summary Table

Whether Fort Lewis plant management fails to conduct proper testing and monitoring of water treated at the plant.

Sub-Allegations	Analysis Summary
1. Mandatory Testing	<p>1. All mandatory monitoring of specified frequencies was completed (According to Facility Engineering Logs).</p> <p>2. Toxicity monitoring within treatment process not due until winter/summer 07/08.</p> <p>3. Monitoring of influent & effluent during non-routine discharges.</p> <p>4. Management states they conduct all mandatory monitoring.</p>
2. Not recording test results	<p>5. All routine monitoring data (except one case) was reported in the DMR's.</p> <p>6. Mercury not reported in December 2006 or January 2007 DMR.</p> <p>7. Management states they report all required test results.</p> <p>8. In response to (b)(6) complaint that influent results are not reported, EPA determined that they should not be reported.</p> <p>9. Fort Lewis Management did not share June 2007 supernatant sample results with lab technician.</p>
3. Test oil & grease every 6 months	<p>10. Permit does not require oil and grease to be monitored in the final effluent.</p> <p>11. Witnesses agree that testing for oil and grease is not required.</p>
Permit requires testing oil/grease when operators request.	<p>12. Permit requires additional samples whenever any suspect discharge occurs that may cause a violation and is not detected by a routine sample.</p> <p>13. No local document exists to provide guidance on how to implement permit requirement in "12" above.</p> <p>14. Lab technician does not perform operator requested non-routine testing.</p> <p>15. Although management states they do consider operator requests, no policy or SOP guides their decisions on how to handle the requests.</p>
5. Not reporting toxic pollutants in water/sludge on DMR.	<p>16. Concerning toxic pollutants in water:</p> <p style="margin-left: 20px;">a. Did not report USACHPPM discovered pollutants in December 2006 DMR. (non-routine report).</p> <p style="margin-left: 20px;">b. Fort Lewis reported USACHPPM pollutants later in March 2007 via Memo.</p> <p style="margin-left: 20px;">c. Except mercury missing in December 2006 DMR, all DMRs report routine monitoring.</p> <p>17. Concerning toxic pollutants found in biosolids sludge.</p> <p style="margin-left: 20px;">a. NPDES permit does not require biosolids monitoring and reporting.</p> <p style="margin-left: 20px;">b. These are properly and correctly reported in the Annual Biosolids Report.</p>
6. Environmental Division not reporting test results to operators.	<p>18. NPDES permit does not establish internal Fort Lewis reporting requirements.</p> <p>19. In the past, test results were not reported to operators.</p> <p>20. Since Summer 2006, management has made test results available to operators.</p>

Green: Denotes in compliance: Correct practices and procedures
 Red: Valid Issues
 Blue: Informational