

POSTED
DATE: 6/15/08
INITIALS: JK

SO3-000711D
INDUSTRIAL STORMWATER GENERAL PERMIT
DISCHARGE MONITORING REPORT

DEPARTMENT OF ECOLOGY

JUL 10 2008

WATER QUALITY PROGRAM

MONITORING PERIOD for (year/quarter): 2008 year Jan/Feb/Mar ☒ Apr/May/Jun ☐ Jul/Aug/Sep ☐ Oct/Nov/Dec

Facility/Site Information

TACOMA CENTRAL WASTEWATER PLANT
Location: 2201 PORTLAND AVE.
County: PIERCE

Primary SIC Code: 4952

Mailing Information

TACOMA CENTRAL WASTEWATER PLANT
2201 PORTLAND AVE
TACOMA WA 98421-2711

You must send a Discharge Monitoring Report (DMR) to Ecology every quarter. If there was no discharge or you have suspended sampling because of consistent attainment of benchmark values, mark the appropriate boxes and send the DMR to Ecology. Please read the instructions before completing the DMR.

Discharge Point CB 140

☐ There was no qualifying storm event this quarter so no values are entered below (see explanation)

Quarterly Monitoring		AVERAGE	MAXIMUM	UNITS	Sample Type	Events Sampled
Turbidity	<input type="checkbox"/> Consistent Attainment		13.6	NTU	Grab	
pH	<input type="checkbox"/> Consistent Attainment		6.8	Standard Units	Grab	
Zinc (total)	<input type="checkbox"/> Consistent Attainment		271	µg/L	Grab	
Oil & Grease	<input type="checkbox"/> Consistent Attainment		1.6	mg/L	Grab	

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 1319. (PENALTIES UNDER THESE STATUTES MAY INCLUDE FINES UP TO \$10,000.00 AND OR MAXIMUM IMPRISONMENT OF BETWEEN SIX MONTHS AND FIVE YEARS.)

James A. Fleming

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER (TYPED OR PRINTED)

06-13-08

DATE: MO DAY YEAR

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

253-502-2198

TELEPHONE NUMBER

COMMENTS / EXPLANATIONS

Copper 26.7 ug/L, Hardness, Calculated 10.5 mg/l, Lead 7.4 ug/L

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Discharge Point CB 57

☐ There was no qualifying storm event this quarter so no values are entered below (see explanation)

Quarterly Monitoring		AVERAGE	MAXIMUM	UNITS	Sample Type	Events Sampled
Turbidity	<input type="checkbox"/> Consistent Attainment		60.0	NTU	Grab	
pH	<input type="checkbox"/> Consistent Attainment		7.0	Standard Units	Grab	
Zinc (total)	<input type="checkbox"/> Consistent Attainment		142	µg/L	Grab	
Oil & Grease	<input type="checkbox"/> Consistent Attainment		2.8	mg/L	Grab	

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 1319. (PENALTIES UNDER THESE STATUTES MAY INCLUDE FINES UP TO \$10,000.00 AND OR MAXIMUM IMPRISONMENT OF BETWEEN SIX MONTHS AND FIVE YEARS.)

James A. Fleming

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER (TYPED OR PRINTED)

06/13/08

DATE: MO DAY YEAR

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

253-502-2198

TELEPHONE NUMBER

COMMENTS / EXPLANATIONS

Copper 41.4 ug/L, Hardness, Calculated 22.3 mg/L, Lead 10.6 ug/L

DEPARTMENT OF ECOLOGY
INDUSTRIAL STORMWATER GENERAL PERMIT
LEVEL 2 REPORT FORM

DEPARTMENT OF ECOLOGY

JUL 10 2008

Facility Site Information

Mailing Information

Facility Name Central Treatment Plant

Company Name City of Tacoma

Permit Number SO3000711D

Permit Number SO3000711D

Facility Address 2201 Portland Avenue

Mailing Address 2201 Portland Ave.

City Tacoma

City, State, Zip Tacoma WA 98421

Facility County Pierce County

WATER QUALITY PROGRAM

**Level Two Start Date: 8 Feb2006 Trubidity of 26.8 NTU exceed 25 NTU limit
On CB # 140**

(This is the date the Permittee received sample results showing a second exceedance above an action level value for the same parameter, or the second sample outside the pH range.)

(1) Results of potential source(s) identification of stormwater contamination that are causing or contributing to the presence of the benchmark parameter:

- a. Plant Up Grade construction in this area has been a major contributor to our turbidity problem.
- b. Street Sweeping was limited due to a departmental budgetary shift.

(2) Results of Investigation of all available options of **capital and source/operational control best management practices** to reduce stormwater contaminant levels to or below benchmark values:

- a. Resumed weekly street sweeping protocol.
- b. Add 4 additional catch basin socks in the CB #140 runoff area.

(3) Additional necessary **source/operational control** BMPs identified in action 2 investigation that were implemented within 45 days of starting a level two response:

BMP	Completion Date
Increase frequency to street sweep area.	July 2008

(4) Additional necessary **capital** BMPs identified in action 2 investigation that were implemented within six months of starting a level two response:

BMP	Completion Date

Actions Taken and/or Planned to reduce stormwater contaminant levels

Action	Completion Date
Exposed soil from Construction was covered over with asphalt.	2008

Additional Comments Street sweeping was initiated, after receiving the lab test results exceeding limits.

**DEPARTMENT OF ECOLOGY
INDUSTRIAL STORMWATER GENERAL PERMIT
LEVEL 2 REPORT FORM**

DEPARTMENT OF ECOLOGY
JUL 10 2008
WATER QUALITY PROGRAM

Facility Site Information

Facility Name Central Treatment Plant
Permit Number SO3000711D
Facility Address 2201 Portland Avenue
City Tacoma
Facility County Pierce County

Mailing Information

Company Name City of Tacoma
Permit Number SO3000711D
Mailing Address 2201 Portland Ave.
City, State, Zip Tacoma WA 98421

**Level Two Start Date: 8 Feb2006 Trubidity of 26.8 NTU exceed 25 NTU limit
On CB # 140 /31 March 2005 Turbidity of 59 NTU exceed 25NTU limit on CB #57**

(This is the date the Permittee received sample results showing a second exceedance above an action level value for the same parameter, or the second sample outside the pH range.)

(1) Results of potential source(s) identification of stormwater contamination that are causing or contributing to the presence of the benchmark parameter:

- a. Plant Up Grade construction in this area has been a major contributor to our turbidity problem.
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BMP	Completion Date
Increase frequency to street sweep area.	July 2008

(4) Additional necessary **capital** BMPs identified in action 2 investigation that were implemented within six months of starting a level two response:

BMP	Completion Date

Actions Taken and/or Planned to reduce stormwater contaminant levels

Action	Completion Date
Exposed soil from Construction was covered over with asphalt.	2008

Additional Comments Street sweeping was initiated, after receiving the lab test results exceeding limits.



City of Tacoma
Public Works Department

DEPARTMENT OF ECOLOGY

JUL 10 2008

WATER QUALITY PROGRAM

July 2, 2008

Mr. Charles Gilman
Stormwater Unit
P. O. Box 47600
Olympia, Washington 98504

Dear Mr. Gilman,

We are submitting our 2nd Quarter, April, May and June 2008, Industrial Stormwater General Permit Discharge Monitoring Reports for the Central Treatment Plant and the North End Treatment Plant for the City of Tacoma. Also enclosed are Level 2 responses for turbidity and zinc at the Central Treatment Plant.

If you have any questions I can be reached at (253) 502-2198.

Sincerely,

James A. Fleming
Assistant Division Manager
Wastewater Management Operations

JAF: js (W23892)

Enclosures: 2nd Qtr Industrial Stormwater General Permit Discharge Monitoring Reports
Level 2 Response for Central Treatment Plant

Cc: Mike Patrick – Central Treatment Plant
Don McCarty- North End Treatment Plant
Frank Solorio – Central Treatment Plant

File: Wastewater Management Operations

JUL 10 2008

WATER QUALITY PROGRAM



City of Tacoma
Environmental Services

Memorandum

TO: Jim Fleming, Asst. Division Manager, Wastewater Operations

FROM: Christopher L. Getchell, Sr. Environmental Specialist

SUBJECT: NPDES Treatment Plant SAP Order 80000154

DATE: June 9, 2008

Attached are the analysis results for the samples collected from the Central Treatment Plant #1 May 20, 2008 for NPDES Stormwater Monitoring. Grab samples were collected for pH, Turbidity, SGT-HEM, and Total Metals.

The Environmental Services Laboratory analyzed the sample. A detailed Quality Control Data Review report was prepared and is available for review upon request.

If you have any questions concerning these results, call me at (253) 502-2130. Please note that the remaining portion of the samples associated with this report will be discarded six months from the date of this report unless requested otherwise.

Christopher L. Getchell
Sr. Environmental Specialist

Quality Control Data Review

TO: Christopher L. Getchell, Sr. Environmental Specialist
FROM: Lori A. Zboralski, Senior Laboratory Analyst *LZ*
DATE: June 9, 2008

SAMPLES

This report concerns the following samples associated with **NPDES Treatment Plant SAP Order 80000154**:

Sample Description	Lab ID#	Date Sampled
TP1 Stormwater MH 57	2008-01581	05/20/2008
TP1 Stormwater MH 140	2008-01582	05/20/2008

HOLDING TIMES

The samples were analyzed within the required holding times of immediately for pH, 48 hours for Turbidity, 28 days for SGT-HEM, and 180 days for Total Metals.

METHODS

The samples were analyzed according to methods approved in 40 CFR Part 136.

CALIBRATION AND VERIFICATION

The ICP calibration met method requirements for linearity and accuracy. Independent mid-range standards were analyzed to monitor calibration accuracy (ICV and CCV). Acceptable recoveries for ICV must be within 95 – 105% and for CCVs must be within 90 – 110%. All ICVs and CCVs had recoveries within acceptable limits.

ICP INTERFERING ELEMENT CHECK STANDARDS

ICP Interference Check Samples (ICS) verify the laboratory's inter-element and background correction factors. All ICS's were analyzed at the required frequency and met the 80 – 120% recovery limits.

METHOD AND CALIBRATION BLANKS

Method Preparation and Calibration blanks were analyzed at the required frequency. The concentrations of these blanks were less than 1/5 the amount found in the sample or less than the detection limit.

LABORATORY CONTROL SAMPLES

Laboratory Control Samples (LCS) monitor the performance of each step of the analysis, including sample preparation. The LCS had recoveries within the laboratory established control limits.



City of Tacoma

Environmental Services Laboratory

2201 Portland Avenue Tacoma WA 98421
Phone: 253.591.5588 Fax: 253.502.2170

Lab#: 2008-01582

Report Date: June 09, 2008

Sample ID: TP1 Stormwater

MH 140

Sample Type: Stormwater

Sample Collect Date: 5/20/2008

5:58

Sample Receipt Date: 5/20/2008

<u>Test</u>	<u>Analysis Date</u>	<u>Analytical Method:</u>	<u>Result</u>	<u>Units</u>	<u>PQL</u>	<u>MDL</u>	<u>CAS#</u>
CONVENTIONAL							
SGT-HEM	5/27/2008	1664	1.6 J	mg/L	5.0	1.2	
pH	5/20/2008	150.1	6.8	Std. Units	0.1	0.1	
Turbidity	5/20/2008	SM2130B	13.6	NTU	0.2	0.2	
Metals							
Copper	6/5/2008	200.7	26.7	ug/L	20.6	20.6	7440-50-8
Hardness, Calculated	6/5/2008	200.7	10.5	mg/L	0.56	0.11	
Lead	6/5/2008	200.7	7.4	ug/L	5.6	1.1	7439-92-1
Zinc	6/5/2008	200.7	271	ug/L	27.8	6.9	7440-66-6

Flags: U: The analyte was not detected at or above the reported value.

UJ: The analyte was not detected at or above the reported estimated result. See QC Report.

NJ: TIC There is evidence the analyte is present. The associated value is an estimate.

J: The analyte was positively identified. The associated value is an estimate. See QC Report.

B: The analyte was detected but is less than the Project Reporting Limit Goal.

R: The value is unusable.

Lori A. Zboralski

June 09, 2008

Reviewed By: Lori Zboralski

Date



City of Tacoma

Environmental Services Laboratory

2201 Portland Avenue Tacoma WA 98421

Phone: 253.591.5588 Fax: 253.502.2170

Lab#: 2008-01581

Report Date: June 09, 2008

Sample ID: TP1 Stormwater

MH 57

Sample Type: Stormwater

Sample Collect Date: 5/20/2008

5:38

Sample Receipt Date: 5/20/2008

<u>Test</u>	<u>Analysis Date</u>	<u>Analytical Method:</u>	<u>Result</u>	<u>Units</u>	<u>PQL</u>	<u>MDL</u>	<u>CAS#</u>
CONVENTIONAL							
SGT-HEM	5/27/2008	1664	2.8 J	mg/L	5.0	1.2	
pH	5/20/2008	150.1	7.0	Std. Units	0.1	0.1	
Turbidity	5/20/2008	SM2130B	60.0	NTU	0.2	0.2	
Metals							
Copper	6/5/2008	200.7	41.4	ug/L	19.4	19.4	7440-50-8
Hardness, Calculated	6/5/2008	200.7	22.3	mg/L	0.56	0.11	
Lead	6/5/2008	200.7	10.6	ug/L	5.6	1.1	7439-92-1
Zinc	6/5/2008	200.7	142	ug/L	27.8	6.9	7440-66-6

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Lori A. Zboralski

June 09, 2008

Reviewed By: Lori Zboralski

Date