

JAN 31 2008

WATER QUALITY PROGRAM

SO3-001528D

INDUSTRIAL STORMWATER GENERAL PERMIT
DISCHARGE MONITORING REPORT

MONITORING PERIOD for (year/quarter): 2007 Jan/Feb/Mar Apr/May/June Jul/Aug/Sep Oct/Nov/Dec

Facility/Site Information

BNSF Railway - BALMER
Location: 3600 Gilman Ave. W, Seattle Washington
County: KING

Primary SIC Code: 4011

Mailing Information

BNSF Railway
2454 Occidental Ave South, Suite 1A
Seattle, WA 98134

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 <u> #2 </u>						
<input type="checkbox"/> 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	1,100	1,100	NTU	Grab	12/27/07
pH	<input type="checkbox"/> Consistent Attainment	7.3	7.3	Standard Units	Grab	12/27/07
Zinc (total)	<input type="checkbox"/> Consistent Attainment	1,950	1,950	µg/L	Grab	12/27/07
Oil & Grease	<input type="checkbox"/> Consistent Attainment	ND (<7)	ND (<7)	mg/L	Grab	12/27/07
Lead (total)	<input type="checkbox"/> Consistent Attainment	1,980	1,980	µg/L	NA	12/27/07
Copper (total)	<input type="checkbox"/> Consistent Attainment	522	522	µg/L	NA	12/27/07
Hardness	N/A – Discharge to Marine Water.					

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.)

Jennifer Anderson

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER (TYPED OR PRINTED)

1-23-08
DATE: MO DAY YEAR

206-625-6034

TELEPHONE NUMBER

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

COMMENTS / EXPLANATIONS

January 29, 2008



Industrial Stormwater Permit Coordinator
Washington State Department of Ecology
P.O. Box 47696
Olympia, Washington 98504-7696

DEPARTMENT OF ECOLOGY

JAN 31 2008

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Subject: General Industrial Stormwater Permit,
BNSF Balmer/Seattle Car Shop, S03-001528D,
Level Two Response, Fourth Quarter 2007
File No. 0506-189-00

As required by the General Industrial Stormwater Permit, if any two out of the four previous quarterly sampling results for a parameter are above the action levels identified below, the permittee shall proceed with a Level 2 response. BNSF Railway Company is required to take level two response actions based on three consecutive quarters of zinc and turbidity concentrations that are above the action levels.

Parameter	Bench Mark	Action Level	Q1 2006 Result	Q3 2007 Result	Q4 2007 Result
Total Zinc (ug/l)	117	372	590	1,310	1,100
Turbidity (NTU)	25	50	490	130	1,950

Copper and lead also exceeded action levels in the fourth quarter of 2007.

As noted in our letter from 3rd quarter dated November 5, 2007, there are several potential sources of turbidity and zinc in the vicinity of the sampling catch basin. The inspection frequency and sweeping of this area was increased after 3rd quarter sample results indicated high turbidity and metals; however, the contour of the pavement prevents efficient sweeping. The catch basin used for sampling is also being raised in order to prevent sediment from accumulating around the catch basin ring. This activity will be completed when weather allows.

The Balmer/Seattle Car Shop and surrounding area (including the stormwater sample location) flooded in early December during heavy rains. All of the stormwater runoff from Magnolia Street inundated the BNSF yard. The area was under almost 3 feet of water resulting in additional accumulation of sediment across paved areas of the site.

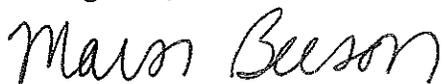
BNSF has been collecting stormwater samples post-filter (i.e. removing the hard filter from the catch basin and collecting the sample). Removal of the filter is causing disturbance of the sediment caught in the filter, and as laboratory results indicate, is causing elevated levels of turbidity in the samples, and also resulting in elevated metals concentrations. Therefore, in an effort to obtain a more representative sample at the Balmer Yard, the hard filter at the stormwater sample location will be removed.

Washington Department of Ecology
January 29, 2008
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If you have any questions, please don't hesitate to call me at (503) 624-9274.

Sincerely,

GeoEngineers, Inc.



Marsi M. Beeson
Senior Environmental Project Manager

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C : Jennifer Anderson, BNSF Railway
Dan Rapalee, NRC
Ray Wilson, NRC
Dave Bertholf, BNSF

DEPARTMENT OF ECOLOGY

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