

POSTED
DATE: 04/21/07
INITIALS: JK

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SO3-000570D

INDUSTRIAL STORMWATER GENERAL PERMIT
DISCHARGE MONITORING REPORT

MONITORING PERIOD for (year/quarter): 2006 Jan/Feb/Mar Apr/May/Jun Jul/Aug/Sep Oct/Nov/Dec
year

Facility/Site Information

SOLVAY INTEROX SOLVAY CHEMICALS, INC.
Location: 3500 INDUSTRIAL WAY
County: COWLITZ

Mailing Information

SOLVAY INTEROX SOLVAY CHEMICALS, INC.
3500 INDUSTRIAL WAY
LONGVIEW WA 98632-8213

Primary SIC Code: 2819

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>4-SOUTHEAST OUTFALL (OUTFALL-SE)*</u>						
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
pH	<u>Consistent Attainment</u>			Standard Units		
Zinc (total)	Consistent Attainment		<u>204</u>	µg/L	<u>Grab</u>	
Oil & Grease	<u>Consistent Attainment</u>			mg/L	<u>Grab</u>	
Nitrate/Nitrite as N	Consistent Attainment		<u>0.2</u>	mg/L	<u>Grab</u>	
Phosphorus (TP)	<u>Consistent Attainment</u>			mg/L		
BOD5	<u>Consistent Attainment</u>			mg/L		

Monitoring associated with impaired waterbodies:

Discharge Point <u>4-SOUTHEAST OUTFALL (OUTFALL-SE)*</u>						
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	<u>Consistent Attainment</u>			NTU		
Oxygen, Dissolved (DO)	Consistent Attainment		<u>8.41</u>	mg/L		

Additional Metal Sampling:

Discharge Point 4-SOUTHEAST OUTFALL (OUTFALL-SE)*

Quarterly Monitoring	Maximum	Units	Sample Type
Copper (Total)	ND	µg/L	Grab
Lead (Total)	ND	µg/L	Grab
Hardness	<u>43.5</u>	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.)

ROBERT R. MAY, MAJUF MGR/SITE COORDINATOR MAY 2, 2006

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER (TYPED OR PRINTED)

DATE: MO

DAY

YEAR

Robert R. May

360-425-1114

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE NUMBER

COMMENTS / EXPLANATIONS

* The discharge point was noted as discharge point "4" on the "Receiving Water Information and Declaration of Mixing Zone" form.



SOLVAY CHEMICALS

INTEROX, FLUORIDES & MINERALS

May 3, 2006

Joyce M. Smith
Industrial Stormwater Permit Coordinator
Washington State Department of Ecology
PO Box 47696
Olympia, WA 98504-7696

RE: Level One Source Control Report for Samples Above the Benchmark Value for Zinc
at the Solvay Chemicals, Inc. Facility in Longview, WA

Dear Ms. Smith:

Enclosed is the Level One Source Control Report for samples above the benchmark value for zinc at the Solvay Chemicals, Inc. facility in Longview, WA. The zinc values obtained during the first quarter of 2006 was above the benchmark value, which prompted this report.

If you have any questions or require additional information, please feel free to contact me at 360-577-7567.

Best regards,

Alicia B. Fuentes

Technical Services Manager

Summary of Solvay Chemicals, Inc. Facility Inspection in Response to Sample Results Above Benchmark Values for Zinc

Date Inspection Conducted: 3/2/06

Inspector: Alicia Fuentes

Summary

This inspection did not yield any new potential sources of zinc than the previous inspections conducted in 2005. Possible sources of zinc are galvanized materials that come into contact with stormwater: storm drain piping, the fence surrounding the facility, light posts, structural steel (nearly all stormwater that contacts structural steel at the facility is collected and treated as process wastewater), and barricades. Another possible source for zinc is the asphalt paved areas of the plant. However, galvanized steel or asphalt will typically not leach zinc into water unless the pH is acidic, and the pH of our stormwater samples have been between 6.8-7.7. Solvay America's Environmental Manager researched zinc levels in soil in the area, and found that the zinc concentration in soil is highly dependent on whether land has been previously cultivated. If the land has been cultivated, zinc levels can typically be several orders of magnitude higher than if the land has not been cultivated. Zinc is a common component of fertilizer, and since our site was once part of the Mint Farm in Longview, this may be contributing to the zinc in stormwater that runs off of our site.

No remedial actions were taken to control these potential sources of zinc.

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MAY 12 2006

