

SO3-001151D
INDUSTRIAL STORMWATER GENERAL PERMIT
DISCHARGE MONITORING REPORT

DEPARTMENT OF ECOLOGY
 NOV 0 9 2006
 WATER QUALITY PROGRAM

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

Facility/Site Information

TOTEM OCEAN TRLR EXP TOTE ALASKA TE
 Location: 500 EAST ALEXANDER AVE
 PORT OF TACOMA
 County: PIERCE

Mailing Information

TOTEM OCEAN TRAILER EXPRESS
 500 EAST ALEXANDER AVE
 TACOMA, WA 98421-4217

Primary SIC Code: 4424

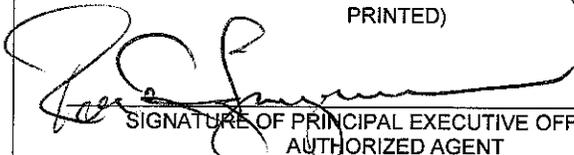
POSTED
 DATE: 11-14-06
 INITIALS: JW

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	004					
Quarterly Monitoring		AVERAGE	MAXIMUM	UNITS	Sample Type	Events Sampled
Turbidity	Consistent Attainment		4.2	NTU	Grab	1
pH	Consistent Attainment		6.53	Standard Units	Grab	1
Zinc (total)	Consistent Attainment		300	µg/L	Grab	1
Oil & Grease	Consistent Attainment		ND	mg/L	Grab	1
Total Suspended Solids	Consistent Attainment		ND	mg/L	Grab	1

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.)

KAND LYMAN
 NAME/TITLE PRINCIPAL EXECUTIVE OFFICE (TYPED OR PRINTED) DATE: MO / DAY / YEAR


 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

253 238 8487
 TELEPHONE NUMBER

COMMENTS/EXPLANATIONS

The sampling event on September 20, 2006 was not a qualifying storm event because storm intensity was not at least 0.1 inches.

The sample's zinc concentration was above the benchmark level, so a Level One Response was conducted. A summary of the response is included on the attached page.

MEMORANDUM



206.624.9349 Phone
206.624.2839 Fax
www.retec.com

DEPARTMENT OF ECOLOGY
NOV 0 8 2006
WATER QUALITY PROGRAM

TO: Rand Lymangrover
FROM: Diann Strom
DATE: 10/20/06

CLIENT: Totem Ocean Trailer Express
TASK: IOIE1-19550-200
RE: Level One Response Inspection

The stormwater sample taken September 20, 2006, from Outfall 004 at Totem Ocean Trailer Express (IOTE) had zinc results above the benchmark levels. The SPL analytical results, dated October 2, 2006, reported zinc at 300 µg/L which is above the zinc benchmark of 117 µg/L. Because of this result, a Level One Response was required. The Level One Response inspection was conducted on October 13, 2006.

Level One Response Inspection

The Level One Response was conducted on October 13, 2006 and there was activity at the IOTE terminal. The IOTE facility conducts Roll-on/Roll-off cargo ship transportation services, where cargo trailers, vehicles, or equipment are driven onto the ship and secured for transport. The facility has multiple metal buildings and trucks to support these services.

Most of the potential sources of zinc reported by a recent Washington State Department of Ecology publication (2006) were observed at the IOTE facility. These sources included a perimeter chain-link fence, various types of vehicles (personnel, service, and for shipping) whose tires and brakes may be sources of zinc, cargo containers and associated equipment (chassis, generators, refrigeration units), tires and hub caps in storage, transformers, metal buildings and canopied truck lanes with downspouts, and general equipment (steel pieces, drums, metal dumpsters). Additionally, there were rolls of chain-link fence stored outside of the Vessel Stores Building.

Another potential source of zinc is from fugitive dust from IOTE's neighbor to the east, which is near Outfall 004. This fugitive dust collects along the backside of the Maintenance Building.

Source Control/Operational Control Recommended Measures

Based on the Level One Response inspection, it is recommended that IOTE hand sweep areas that are not accessible by the street sweeper to remove dirt and dust. The fugitive dust collecting (from off-site sources) from behind the Maintenance Building should be removed and visually monitored for accumulation. Additionally, consider covering rolls of chain-link fence stored outside of the Vessel Stores Building. Currently no changes to the SWPPP are warranted regarding zinc. Based on sampling results (i.e., below the action level) there is no need to conduct a Level Two or Three Response.

References

Washington State Department of Ecology, 2006. *A Survey of Zinc Concentrations in Industrial Stormwater Runoff* Publication No. 06-03-009. January 2006.