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Level One Response Report Meltec Foundry 2005-2006

DEPARTMENT OF ECOLOGY

MAY 30 2007

Turbidity, Zinc and Copper found in samples taken during the 2005 and 2006 WATER QUALITY PROGRAM occasionally exceeded benchmark levels.

The most likely source for these constituents is the Harbor Island location of the Foundry. Each day 1,000 or more trucks enter and leave the Harbor Island container cargo shipping area. Many of these trucks pass directly by the foundry. Dirt, dust and debris clinging to these trucks falls off and is carried onto the Foundry property by the wind. In addition Harbor Island is entirely paved with asphalt and little or no cleaning is ever done by the Port of Seattle or other tenants. Harbor Island is also the location of ship building companies, a grain storage and flour milling facility, river and harbor traffic, railroad traffic and a nearby steel mill. Several smaller businesses, including a paint manufacturing company a machine shop and a hardware supply company are located adjacent to the foundry. All of the aforementioned businesses are potential sources of dust, dirt and debris that can and does end up on the Foundry property.

The very nature of the Foundry business creates a certain amount of dust, dirt and debris. Sand is a primary component of the foundry process. Sand often falls to the ground and could be carried into the catch basins. Every attempt is made to limit the amount of sand and other debris that finds its way onto the ground. Zinc and Copper are found in common products such as automobile and truck tires, brake shoes and pads and clutch disks. Zinc is often used as a protective coating on machinery and HVAC equipment that is on the roofs of buildings. The natural weathering process of this machinery and equipment will produce a small amount of Zinc and Copper that could find a way into the storm water run-off. The Foundry yard is swept daily and trash and other debris is collected and disposed of in dumpsters. Catch basin inserts are used in each catch basin and inspected and changed regularly. Daily, weekly and monthly inspections are made of the catch basins. All catch basins are cleaned annually by a vacuum truck. The asphalt covering the yard was power washed last year and the water collected and disposed of.

A new power sweeper machine has been approved for purchase and should be in operation before long. Employees have been trained as to their responsibilities for keeping the foundry neat and clean. Spill Kits have been strategically placed around the foundry for use during spills and emergencies. Additional catch basin insert bags have been purchased and are kept on hand at all times.

A major housekeeping project at the Foundry has been carried out over the last year. Cleaning and painting of outside metal structures and machinery is ongoing and nearly complete. Disposal of excess and surplus property has been completed. Reorganization and storage of parts and materials is underway. We are presently researching our options for providing cover for parts and materials stored outside. Once we have identified a cost-effective solution we will proceed to the purchase and installation of covered storage areas.

We believe we are using all practical and cost effective methods available to us to control turbidity levels in storm water runoff. We will continue to use these BMPs and be on the lookout for any other practices that we may add to our processes.

See level Two report for additional information.

Alan Casebere
Young Corporation

Gilman II, Charles (ECY)

From: Al C [alc@youngcorp.com]
Sent: Wednesday, May 30, 2007 9:12 AM
To: Gilman II, Charles (ECY)
Subject: level 1 and level 2 reports for Meltec
Attachments: Level One Response Report Meltec Foundry 2005 doc; Level Two Response Report Meltec Foundry 2005 doc

Good morning Mr Gilman,

Attached please find copies of level 1 and level 2 reports. I apologize for the delay in getting them to you.

Alan Casebere
Young Corp.
Seattle, WA

6/4/2007

