



STORMWATER COMPLIANCE INSPECTION REPORT

State of Washington Department of Ecology
3190 – 160th Avenue SE, Bellevue, WA 98008-5452

WADOE Stormwater
Compliance Inspection Form
Last updated (01/06)

Phone: (425) 649-7000
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Section A: General Data

Inspection Date 2/28/07	NPDES Permit # SO3000639D	County King	Receiving Waters Duwamish Waterway	Inspector Christopher Wheeler Greg Stegman	Facility Type Industrial
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Discharges to: Surface Water ☒ Ground Water ☐

ANNOUNCED Inspection

Section B: Facility Data

Name and Location of Site inspected		GPS datum: NAD83		Entry Time	Permit Effective Date
Meltec Division of Young Corp 3444 13 th Ave SW Seattle, WA 98134-1031		Entrance: Lat: 47°34'21.8" Long: 122°21'07.2"		9:30 am	
		Discharge: Lat: 47°34'20.7" Long: 122°21'06.8"		Exit Time	Permit Expiration Date
				11:05 am	9/20/2007
On-Site Representative(s): Name(s)/Title(s)/Contact number(s) or E-mail					Additional Participants:
Alan Casebere / Safety & Environmental Director / (206) 624-1071					
Responsible Official(s):					
Alan Casebere Young Corporation Meltec PO Box 3522 Seattle, WA 98124-3522 Phone: (800) 321-9090					Yes No Samples Taken? <input type="checkbox"/> <input checked="" type="checkbox"/> Photos Taken? <input checked="" type="checkbox"/> <input type="checkbox"/>

Section C: Discharge Monitoring Reports (DMRs)

	Max	2005				2006				2007
		1 st	2 nd	3 rd	4 th	1 st	2 nd	3 rd	4 th	1 st
Turbidity (NTU)	25	M	145	NQ	136	129	M	M	24	0.1
pH	6-9	M	6.1	NQ	7.76	7.63	M	M	6.78	5.8
Zinc (µg/L)	117	M	107	NQ	674	100	M	M	112	150
Oil & Grease (mg/L)	15	M	7.3	NQ	6.3	5.9	M	M	<5	<5
Copper (µg/L)	63.6			NQ	99	14	M	M	24	63
Lead	81.6			NQ	37.3	<.01	M	M	<.01	<.01

M = Missing (not submitted); NQ = No Qualifying Event; Err = Lab Error;

Section D: Summary of Findings/Comments

BACKGROUND

Meltec Division of Young Corp. is covered under the Industrial Stormwater General Permit. Ecology's stormwater unit has not conducted an inspection at this Industrial site in the past. The purpose of this inspection is to conduct a compliance inspection per the requirement of the Revised Code of Washington (RCW) 90.48.560 and to provide technical assistance as appropriate.

INSPECTION/OBSERVATIONS

Upon arrival Ecology inspectors, Christopher Wheeler and Greg Stegman, met Alan Casebere the Safety/Environmental Director for Meltec. Mr. Casebere was able to provide inspectors with a Stormwater Pollution Prevention Plan (SWPPP), and a copy of the Permit. Parts of the SWPPP were not consolidated and lacked a drainage map of the facility. Mr. Casebere said that Meltec was in the process of having the SWPPP revised by an environmental consultant. Copies of DMR submittals in the facility's SWPPP filled information gaps in Ecology's database. The DMRs show that the facility should have initiated a response level 2 for turbidity starting after the first quarter of 2006. Mr. Casebere was not able to provide inspectors with sampling data (DMRs) for the 1st quarter of 2005, and the 2nd & 3rd quarter of 2006.

Recycled metal parts, finished metal forms, metal slag, wood, and waste sand were stored in exposed metal crates throughout the facility's outside lot (photos P2280394, P2280408, P2280406, P2280407, P2280417, P2280414, & P2280409). Inspectors told Mr. Casebere that if more of these crates were covered, especially those that appeared to be the most polluting, the amount of turbidity and zinc contamination in stormwater could possibly be reduced (photo P2280408).

All catch basins onsite were fitted with filter socks and oil booms. Mr. Casebere said that these inserts were changed frequently. Inspectors observed turbid stormwater discharging to catch basins (photos P2280399 & P2280400). Inspectors observed dirt and industrial debris accumulating on the asphalt surface of the facility's lot (photos P2280394 & P2280425). Most of the dirt accumulation was observed behind the main building at the east end of the facility. Mr. Casebere said that the lot was swept approximately every other day. Mr. Casebere said that in November the facility's lot had been power-washed, and the captured wash water had been disposed of by the contractor. This power-washing operation had not treated the east end of the facility.

Several empty barrels with multiple punctures were stored outside at the southwestern corner of the facility (photo P2280406). Mr. Casebere said that these barrels once held a binding material for the sand molds. The punctures were inflicted as part of the process of draining the barrels. Inspectors told Mr. Casebere that stormwater could enter these barrels through the punctures and become contaminated with the binding material. This contaminated stormwater could then leak out and discharge offsite.

The full barrels of binding material were stored within secondary containment, and covered in plastic (photo P2280419). Those barrels being actively used were stored under cover with secondary containment and drip pans (photo P2280419).

Section E: Compliance/Recommendations

The following are a list of recommended actions that the permittee should follow in-order to comply with their NPDES General Stormwater Industrial Permit and avoid violating state water quality laws, and avoid garnering penalties:

- **Locate and submit** copies of the three (3) missing DMRs (1st quarter of 2005; 2nd quarter 2006; 3rd quarter 2006), within ten (10) days of receipt of this inspection report to Ecology's headquarters in Olympia (*Industrial Stormwater permit manager / Department of Ecology / Water Quality Program / PO Box 47696 / Olympia, Washington 98504-7696*), and send a copy to: Christopher Wheeler / Department of Ecology 3190 / 160th Ave SE / Bellevue, WA 98008.
- Turbidity has exceeded action levels in three consecutive quarters between 2005 and 2006. Whenever two out of the previous four quarterly sampling results collected after December 31, 2004 are above the action levels, the permittee shall immediately initiate a level two response as outlined in Condition S4.C of the permit. **Submit** a level two source control report within thirty (30) days of receipt of this inspection to Ecology's headquarters in Olympia, and send a copy to Christopher Wheeler (address listed above).
- Good Housekeeping practices should be implemented on-site in order to reduce stormwater pollution potential from items such as stored leaky barrels collecting stormwater on site. Ensure that all chemical drums (including empty drums) are properly sealed and clean on their exteriors. If the drums are stored outdoors consider storing them under cover if possible. Consider covering crates that hold materials with the highest potential to contaminate stormwater.
- There was sediment and debris accumulated on the facility's lot especially at the eastern end. Increase the sweeping and cleaning frequency of the lot to prevent discharges of turbid water and contamination from industrial waste to the catch basins.
- Zinc and Copper have exceeded benchmark values. Sample results above benchmark values must prompt a Level One Response by the permittee as outlined in Condition S4.C of the permit. Copies of the results of the Level One Response should be included with the discharge monitoring report (DMR) as well as kept with the Stormwater Pollution Prevention Plan (SWPPP).

For assistance with any of these compliance issues or recommendation regarding Best Management Practices see the Stormwater Management Manual for Western Washington, volumes IV and V (SWMM). To obtain a copy of the SWMM you may go to Ecology's website at: <http://www.ecy.wa.gov/programs/wq/stormwater/manual.html>.

The Department of Ecology has the authority to issue formal enforcement actions including issuance of orders and civil penalties of up to \$10,000 per day per violation for violations of your NPDES permit and/or state laws and regulations.


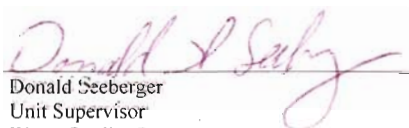
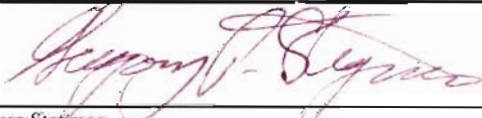
 Christopher Wheeler Industrial/Construction Stormwater Inspector Water Quality Program Date: 4-26-07	Reviewed and approved by:  Donald Seeberger Unit Supervisor Water Quality Program Date: 04/26/07
 Greg Stegman Industrial/Construction Stormwater Inspector Water Quality Program Date: 4-26-07	

PHOTO ADDENDUM – MELTEC DIVISION OF YOUNG CORP / SO3000639D

P2280394.JPG **DESCRIPTION:** OUTSIDE METAL STORAGE. DIRT ACCUMULATION ON LOT.



P2280399.JPG **DESCRIPTION:** TURBID WATER FLOWING INTO THE PARKING LOT AND DISCHARGING INTO STORM DRAIN.



P2280406.JPG **DESCRIPTION:** SOUTHWEST CORNER WHERE PUNCTURED EMPTY BARRELS ARE STORED.



P2280408.JPG **DESCRIPTION:** EXPOSED CRATES OF WASTE SAND AND SLAGG STORED OUTSIDE.



P2280400.JPG **DESCRIPTION:** TURBID WATER DISCHARGING TO STORM DRAIN. STORM DRAIN FITTED WITH FILTER INSERT AND OIL BOOM.



P2280407.JPG **DESCRIPTION:** LOOKING EAST ALONG THE SOUTH SIDE OF FACILITY MAIN BUILDING.

PHOTO ADDENDUM – MELTEC DIVISION OF YOUNG CORP / SO3000639D

P2280417.JPG **DESCRIPTION:** EAST SIDE OF FACILITY. STORAGE OF WOOD FORMS, AND METAL CASINGS.



P2280425.JPG **DESCRIPTION:** HEAVY DIRT AND DEBRIS ACCUMULATION ON NORTHEASTERN PORTION OF FACILITY.



P2290420.JPG **DESCRIPTION:** BARRELS FILLED WITH BINDING MATERIAL STORED UNDER COVER AND IN SECONDARY CONTAINMENT.



P2280419.JPG **DESCRIPTION:** ADEQUATE CHEMICAL HANDLING PROCEDURE; COVER, SECONDARY CONTAINMENT, AND DRIP PANS.



P2280414.JPG **DESCRIPTION:** SOUTHEASTERN PORTION OF FACILITY. OUTSIDE METAL STORAGE.



P2280409.JPG **DESCRIPTION:** WEST SIDE OF FACILITY BUILDING. STORAGE OF INCOMING SCRAP METAL.