



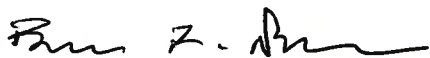
**New York State Department of
Environmental Conservation**

Site Number 7-38-033

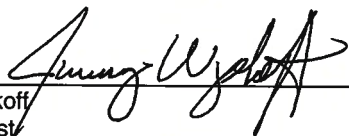
**Oswego Castings Site
Annual Monitoring Report**

Third Quarter 2012

April 2013



Bruce Nelson, CPG
Principal Geologist / Vice President



Jeremy Wyckoff
Staff Geologist

**Oswego Castings Site Annual
Monitoring Report**

Third Quarter 2012

Site Number 7-38-033

Prepared for:
New York State Department of
Environmental Conservation

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1 Introduction

The New York State Department of Environmental Conservation (NYSDEC) has issued a Work Assignment (# D007618-11) to ARCADIS, for Operation, Maintenance, and Monitoring at the Oswego Castings Site (NYSDEC site number 7-38-033) in New York State. ARCADIS has prepared this Annual Report to summarize the annual operation and maintenance (O&M) and groundwater sampling activities.

2 Site Description and Background

2.1 Description

The Oswego Castings site is located at 375 Mitchell Street, Oswego, Oswego County, New York (Figure 2-1). The site is approximately 10 acres and contains three former manufacturing buildings. A former cooling water pond is located west of the buildings. The site is currently zoned industrial and was most-recently the location of a saw mill operation. The site is listed as a Class 04 site on the NYSDEC Registry of Inactive Hazardous Waste Sites.

2.2 Background

The site was formerly owned by B and K Metals Inc. (B&K Metals). Oswego Castings Inc., a subsidiary of Oberdorfer Foundries, Inc. operated an aluminum die casting facility on the site from 1956 to 1986. PCBs were detected on the site in core sands, foundry waste, and wastewater discharged to a process line/septic tank discharge line. The expected sources of the PCBs include leaks in hydraulic equipment and binders or coatings applied to core sand surfaces. In July 1993 B&K Metals entered into an Order on Consent with the NYSDEC for a Remedial Investigation/Feasibility Study (RI/FS). The RI/FS was conducted between July 1993 and February 1997. A Record of Decision (ROD) was issued for Operable Unit (OU)-1 in 1997. The OU-1 ROD called for excavation of approximately 4,100 cubic yards of soil, sediment, and foundry sand. In addition the ROD called for removal of the septic tank and placement of crushed stone over the existing on-site landfill. A ROD for OU-2 was issued in 2000, calling for construction of a concrete pad over the yard area and floor of the saw mill.

In May 2010 the stone buffer for the landfill was re-graded and landscape fabric and new stone were applied to the landfill cap. In April 2010, groundwater monitoring well MW-2 was replaced and three new monitoring wells were installed (MW-5, MW-6, and MW-7).

An Environmental Notice was placed on the site in November 2011. The purpose of the Notice was to limit the use of the site to industrial and/or commercial use; prevent owners from tampering with the remedial action; prevent use of on-site groundwater; and grant access to the NYSDEC and its' agents for purposes of maintaining the remedy.

3 Operation and Maintenance

O&M activities were performed on September 24, 2012 by ARCADIS and NYSDEC Staff and included inspection of the respective landfill and yard area protective covers (Figure 3-1.) An O&M Checklist (Appendix A) was used to document the findings of the inspection. Photographs taken during the inspections are provided in Appendix B. The NYSDEC prepared a Photograph Report documenting site activities. A copy of the Report is provided in Appendix C.

3.1 Landfill Cover

A visual inspection of the landfill cover was performed to assess the landfill for erosion, settlement, ponded water, burrowing rodents, and brush or woody vegetation. As shown in the O&M Checklist (Appendix A), wood chips, apparently from the former saw mill operation, were covering the landfill area but did not appear to be impacting the performance of the cover.

3.2 Concrete Cover

A visual inspection of the concrete cover was performed to inspect the integrity of the remedy. As shown in Appendix A, the concrete cap had minor cracks but did not contain evidence of settlement or other damage. As shown in Appendix A and B, debris (primarily wood chips and boards) were present on the concrete cap.

4 Groundwater Monitoring Program

Groundwater monitoring wells were sampled on September 24 and 25, 2012 by ARCADIS and NYSDEC Staff to provide information on groundwater quality, monitor contaminant migration in the groundwater at the site, and assess hydrogeologic site conditions, including groundwater flow direction. Groundwater monitoring well locations are shown on Figure 4-1.

4.1. Groundwater Monitoring Well Inspection

The integrity of each well was inspected and the results recorded on a groundwater monitoring well inspection form (Appendix D). As indicated in the inspection forms, the monitoring wells are in acceptable condition and no significant problems were reported.

4.2. Water Level Survey

Prior to collecting groundwater samples, water levels were measured to the nearest hundredth of a foot. A summary of these data are presented on the groundwater level data form in Appendix E.

Currently, the measuring point elevations of the groundwater monitoring wells are not known. On September 24, 2012, the NYSDEC recorded the location and elevation of the monitoring wells using a hand-held global positioning system (GPS); however, the elevations were not sufficient to accurately establish the measuring point elevations of the wells. Therefore, groundwater elevations cannot be calculated and a potentiometric surface map could not be generated for this Report. However, based on site topography, historic hydrogeologic data, and the site's location with respect to Lake Ontario, it is expected that the general direction of groundwater flow in the vicinity of the site would be from south to north.

A survey of the well locations and measuring point elevations is scheduled to be completed before the 2013 groundwater monitoring event.

4.3. Groundwater Sampling

Groundwater samples were collected from seven groundwater monitoring wells (MW-1, MW-2R, MW-3, MW-4, MW-5, MW-6, and MW-7) using low-flow groundwater purging and sampling procedures.

Prior to collecting groundwater samples, pH, conductivity, turbidity, dissolved oxygen (DO), temperature, salinity, total dissolved solids (TDS), and oxidation-reduction potential (REDOX) were measured using a Horiba U-52 water quality meter and recorded on groundwater sampling purge logs. Groundwater sampling purge logs are presented in Appendix F

Groundwater samples collected were sent to Test America – Buffalo by chain-of-custody procedures and analyzed for PCBs by United States Environmental Protection Agency (USEPA) Method 8082. The laboratory analytical data are provided in Appendix G.

4.4. Groundwater Sampling Results

Groundwater sample results are summarized in Table 4-1. As shown in Table 4-1, the groundwater samples collected from MW-1 (MW-1 and DUP) contained concentrations of PCB Aroclor 1016 (54 micrograms per liter (ug/L) and 46 ug/L, respectively) that exceeded the corresponding NYSDEC Class GA Standard of 0.09 ug/L. Table 4-1 shows none of the other groundwater samples contained concentrations of PCB greater than the indicated quantitation limits.

5 Conclusions and Recommendations

5.1 Conclusions

The landfill and yard area protective covers are in acceptable condition and operating as intended. Although wood and/or other debris is present on each of the protective cover areas, it does not appear to be impacting the performance of the cover systems.

Groundwater elevation data cannot be determined due to insufficient measuring point elevation data.

The groundwater samples collected from groundwater monitoring well MW-1 contained PCBs at concentrations above the respective NYSDEC Class GA Standard. None of the other groundwater samples collected from the site contained detectable concentrations of PCBs.

5.2 Recommendations

A site survey should be completed to locate the position of groundwater monitoring wells and other site features.

Based on the concentrations of PCBs in groundwater, annual groundwater monitoring should continue to be conducted to evaluate the impacts to groundwater quality over time.

6. Summary

O&M activities were conducted in collaboration with NYSDEC Staff on September 24 and 25, 2012. The landfill and yard area protective covers were inspected and appear to be performing as intended. A potentiometric surface map could not be generated due to insufficient well elevation data. A survey of site features is scheduled to be performed before the 2013 monitoring event. Groundwater samples contained concentrations of PCB greater than the corresponding NYSDEC Standards at only one sampling location.

Figure 2-1
Site Location
Oswego Castings Site
Oswego, New York
NYSDEC Site 7-38-033

0  2,000 ft



Figure 3-1
Engineering Control Areas

Oswego Castings
Site Number 738033
Oswego, New York

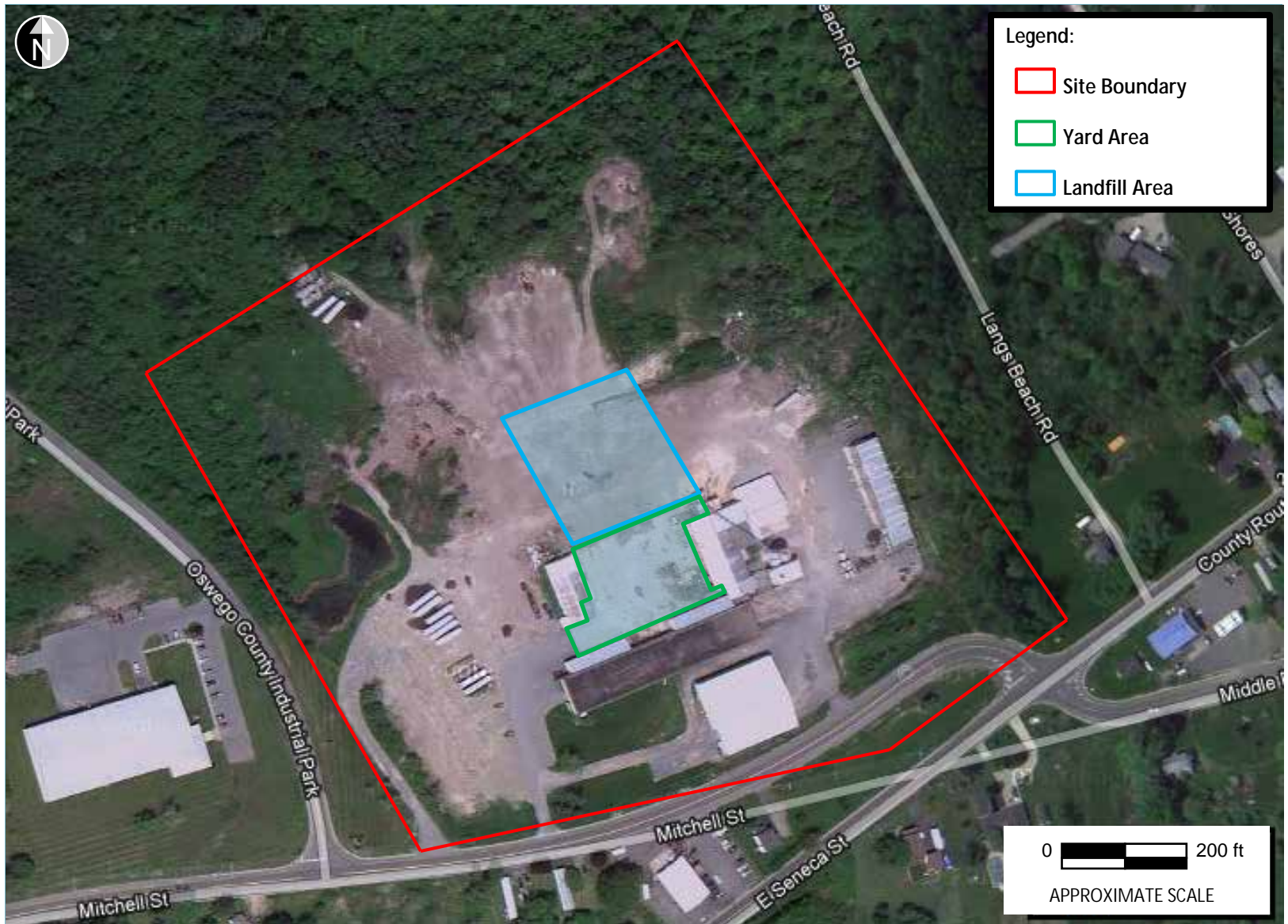


Figure 4-1
Monitoring Well Locations

Oswego Castings
Site Number 738033
Oswego, New York

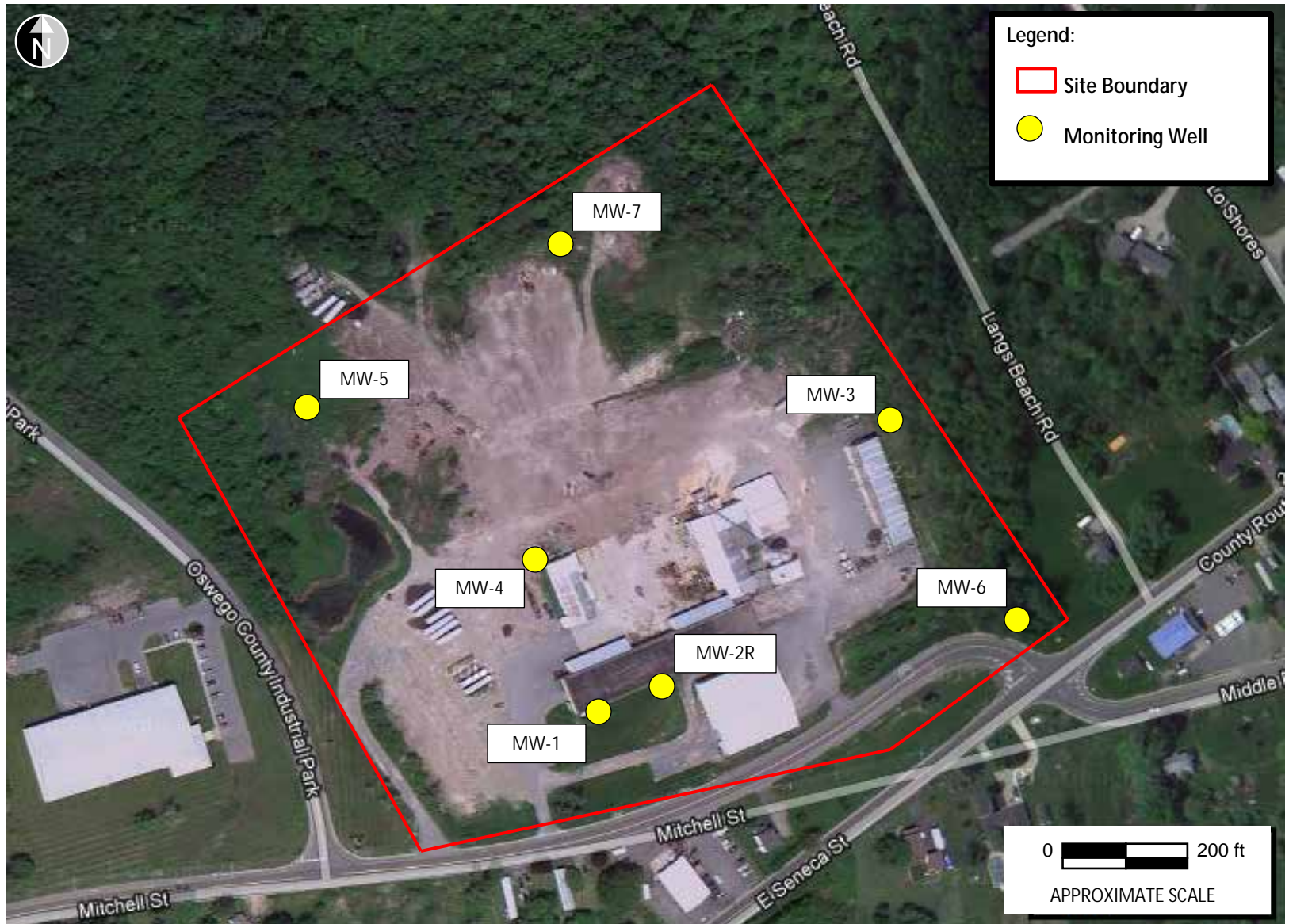


Table 4-1

Summary of Groundwater Sampling Results (PCBs)

Oswego Casting Site

Site Number 7-38-033

Well Date	NYSDEC Class GA Standards	MW-1 9/25/2012	DUP* 9/25/2012	MW-2R 9/24/2012	MW-3 9/24/2012	MW-4 9/24/2012	MW-5 9/25/2012	MW-6 9/24/2012	MW-7 9/25/2012
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Aroclor-1016	0.09****	54	47 J	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U
Aroclor-1221	0.09****	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U
Aroclor-1232	0.09****	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U
Aroclor-1242	0.09****	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U
Aroclor-1248	0.09****	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U
Aroclor-1254	0.09****	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U
Aroclor-1260	0.09****	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U

* - Duplicate sample collected from MW-1

**** - Sum of these compounds can not exceed 0.09 ug/L.

J- Greater than the MDL but below the CRDL

Appendix A

O&M Checklists

OSWEGO CASTINGS SITE

Landfill and Concrete Cap Operation and Maintenance Checklist

Inspected by: Jeremy Wyckoff

Date: 9/24/2012 Time: 15:00

Weather Conditions: P. Cloudy ~50 degrees F.

LANDFILL COVER SYSTEM

Erosion	<u> </u>	YES	<u> X </u>	NO
Cap Settlement	<u> </u>	YES	<u> X </u>	NO
Ponded Water or Wet Areas	<u> </u>	YES	<u> X </u>	NO
Burrowing Rodents	<u> </u>	YES	<u> X </u>	NO
Brush or Other Woody Vegetation	<u> </u>	YES	<u> X </u>	NO

Comments: Photographs taken of landfill area.

Layer of wood chips from former saw mill covering land fill area.

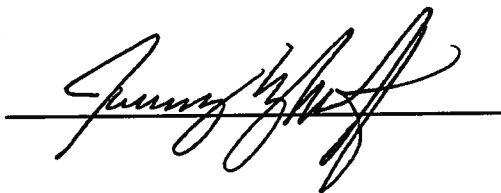
CONCRETE COVER

Cracked Concrete	<u> X </u>	YES	<u> </u>	NO
Damaged Concrete	<u> </u>	YES	<u> X </u>	NO
Concrete Settlement	<u> </u>	YES	<u> X </u>	NO
Ponded Water or Wet Areas	<u> </u>	YES	<u> X </u>	NO
Presence of Vegetation	<u> </u>	YES	<u> X </u>	NO

Comments: Photographs taken of concrete cover area. Wood chip debris/trash on concrete.

Minor cracks in concrete cap.

INSPECTOR'S SIGNATURE



DATE

9/24/12

Appendix B

O&M Photograph Log



Yard Area, facing southeast.



Yard Area, facing northwest.



Yard Area, facing north.



Minor cracking in concrete cover.



Landfill area, facing northwest.



Landfill area, facing west.

Appendix C

NYSDEC Photograph Report

Oswego Casting Site Sampling

DER Site Management, 09/24/2012

Photos with Notes

Photo

Description



We arrived at the site at noon and set up for taking low-flow groundwater samples. Jeremy Wycoff from Malcolm Pirnie had rented the equipment for us and conducted a training session on how to set up the apparatus.



Report by Will Welling.



Panorama photo panning right, to the east and south.



Panorama photo



We set up at MW-2R monitoring well along the beige brick building, half-way down on the right.



Payson Long, left; Larry Thomas, right.



Our crew included Jeremy Wycoff on left, Val Woodward and Carl Hoffman.



Jeremy checks our setup.



Carl adjusts the equipment.



Location shifted next to MW-6.



Oswego police officers stopped by. One officer walked around the buildings with us to see if anything was locked. Nothing was. It was all wide open and a real headache for the police.

The last time I was here, the site hosted "Great Lakes Veneer, Inc.," a lumber mill with brand-new kilns, a log yard and everything necessary to operate successfully. Now The site is derelict.



Our DEC sampling van is here parked near MW-3. View looking across the former kiln area.



Setup on MW-4. Larry on left, Carl and Jeremy on right.



MW-4

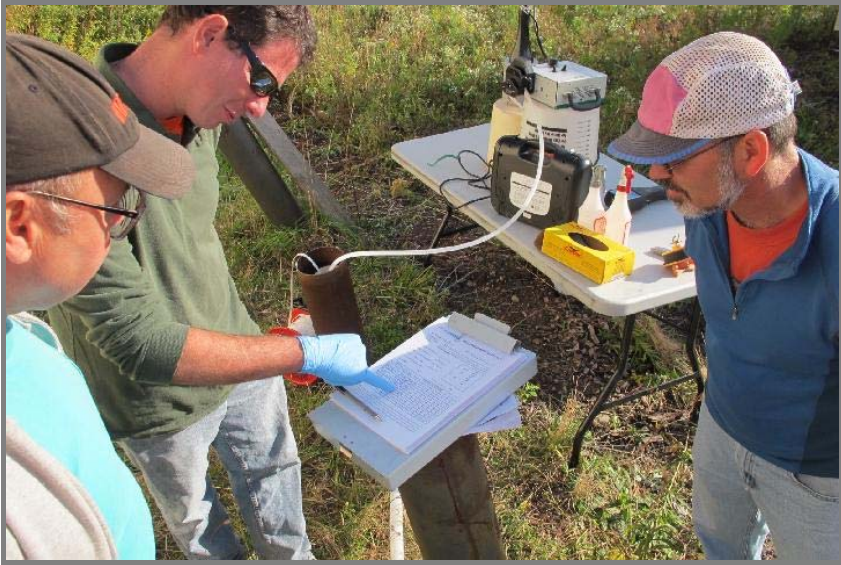


MW-4



MW-4. Jeremy Wycoff looks at the parameter values of pH, temperature, conductivity, turbidity, etc.

When values do not fluctuate more than 10%, we conclude that native water is flowing from the aquifer through our equipment and it is time to take our samples.



MW-4, Carl, Jeremy and Larry review the parameter data taken from the "cell" instrument which monitors parameters.



Val Woodward packing up a sample.



Preparation activity between sampling locations. Jeremy Wycoff



Our DER sampling van. Blue coolers for the samples, waste tubing in the waste basket.

Payson calibrates the Horiba U-50 "cell.



From the equipment manual:

The U-50 Series Multi Water Quality Checker features an integrated control unit and sensors. It is capable of making a maximum of eleven simultaneous measurements for various parameters, and is perfect for use in the field. The U-50 Series is designed with on-site ease-of-use in mind, provides a wide variety of functions, and can be used for water quality measurements and inspections of river water, groundwater, and waste water.



MW-7



Payson with his hand on the peristaltic sampling pump's on-off switch. Larry reviewing the tally sheets.



View of MW-7. Coming out of the well are the measuring tape to monitor depth to water and our sampling tubing.



Payson with the MW-7 setup.



Payson cleaning the tape used at the MW-5 setup.

At each location I wielded a scythe and cut grass and brush to give us a place to work. It was good exercise after a long car ride.



This location was a "jungle" until I hit it with the scythe!



The last well to sample was MW-1 near the apple tree along side of the beige brick building. This well is sampled last because it is heavily contaminated with PCB oil.



Organic vapors were 1257 ppb measured with the photoionization detector (PID).



The Great Lakes Veneer Company Inc. left behind waste oil in drums here and here around the derelict facility. Whoever owns this property will be liable for penalties and cleanup costs if it gets spilled.



Peering into the drum.



Waste in cans



Somebody painted "Area 51" on this door.



Payson and I continue our rounds documenting waste which poses concern.



Interior showing waste liquid in containers.



Interior



Interior shot. Stacked oak.



Interior, 180 degrees from the previous shot



Larry and Val at MW-1. Larry is filling one of two sampling bottles.



Disposing of the sampling tubing. This well has an oil sheen. The oil is heavier than water and rests at the bottom of the well.



Appendix D

Well Inspection Forms

GROUNDWATER MONITORING WELL INSPECTION

SITE/PROJECT NAME: Oswego Casting PROJECT NUMBER: 738083
 DATE OF INSPECTION: 9/25/12 INSPECTOR: L. Thomas
 WELL DESIGNATION: MW-1
 WELL LOCATION: UTM 380653 4814452 Elev. 274
(Payson's Phone GPS)

Outward Appearance

Flushmount Diameter _____ inches N/A
 Approximate Stickup Height 3 feet N/A
 Integrity of Protective Casing Describe: Good - nice yellow paint
 Protective Casing Material Steel Stainless Steel Other _____
 Protective Casing Width or Dia. 6 inches
 Weep Hole in Protective Casing Yes No
 Surface Seal/Apron Material Cement Bentonite Not apparent Other _____
 Integrity of Surface Seal/Apron Describe: good
 Surface Drainage Away from Wellhead Toward Wellhead Flat
 Bollards Present? Yes No Describe: _____
 Well ID. Visible? Yes No Describe: under cap
 Lock Present and Functional? Yes No Describe: _____
 Photograph Taken? Photo # Yes No Describe: on payson's camera

Inner Appearance

Integrity of Well Casing Describe: good
 Integrity of Cap Seal Describe: good
 Surface Water in Casing? Yes No Describe: _____
 Well Casing Diameter 4 inches
 Well Casing Material PVC Steel Stainless Steel
 Inner Cap Threaded Slip Expansion Plug None
 Reference/Measuring Point Groove Indelible Mark None
 Evidence of Double Casing? Yes No Describe: _____

Downhole

Odor Yes No Describe: PCB??
 PID Reading 1257 ppb (ppb)
 Depth to Water (to top of casing) 10.85 feet (nearest 0.01) Depth to LNAPL _____ feet (nearest 0.01) N/A
 Total Well Depth (to top of casing) 16.00 feet (nearest 0.1)
 Sediment (Hard/Soft Bottom) Describe: _____

Additional Comments:

3 feet from south side of Bldg - on roadside

GROUNDWATER MONITORING WELL INSPECTION

SITE/PROJECT NAME: Ozweyo Pasture PROJECT NUMBER: 738033
 DATE OF INSPECTION: 9/24/12 INSPECTOR: L. Thomas
 WELL DESIGNATION: MW-2R
 WELL LOCATION: 4' from S. side of Bldg

UTM18 380687 4814462 Alt: 362' AMSL
via Payson GPS/Phone at top of protective casing

Outward Appearance

Flushmount Diameter inches N/A
 Approximate Stickup Height 3 feet N/A
 Integrity of Protective Casing Describe: good
 Protective Casing Material Steel Stainless Steel Other
 Protective Casing Width or Dia. 4" inches
 Weep Hole in Protective Casing Yes No
 Surface Seal/Apron Material Cement Bentonite Not apparent Other
 Integrity of Surface Seal/Apron Describe: Good brick runs
 Surface Drainage Away from Wellhead Toward Wellhead Flat - wet today
 Bollards Present? Yes No Describe:
 Well ID. Visible? Yes No Describe: Payson will mark name.
 Lock Present and Functional? Yes No Describe:
 Photograph Taken? Photo # Yes No Describe:

Inner Appearance

Integrity of Well Casing Describe: good
 Integrity of Cap Seal Describe: J-Plug in place
 Surface Water in Casing? Yes No Describe:
 Well Casing Diameter 2 inches
 Well Casing Material PVC Steel Stainless Steel
 Inner Cap Threaded Slip Expansion Plug None
 Reference/Measuring Point Groove Indelible Mark None
 Evidence of Double Casing? Yes No Describe:

Downhole

Odor Yes No Describe:
 PID Reading 0.110 ppm in Riser - oppb in breathing zone
 Depth to Water (to top of casing) 6.67 feet (nearest 0.01) Depth to LNAPL feet (nearest 0.01) N/A
 Total Well Depth (to top of casing) 15.55 feet (nearest 0.1) - inside casing
 Sediment (Hard/Soft Bottom) Describe: Hard bottom

Additional Comments:

GROUNDWATER MONITORING WELL INSPECTION

SITE/PROJECT NAME: Oswego Casting PROJECT NUMBER: 738033
 DATE OF INSPECTION: 9/24/12 INSPECTOR: L. Thomas
 WELL DESIGNATION: MW-3
 WELL LOCATION: UTM 380800 4814589 A/4 355' Am sl
Via Payson's GPS/Phone

Outward Appearance

Flushmount Diameter _____ inches N/A
 Approximate Stickup Height 3 feet N/A
 Integrity of Protective Casing Describe: good
 Protective Casing Material Steel Stainless Steel Other _____
 Protective Casing Width or Dia. 4 inches
 Weep Hole in Protective Casing Yes No
 Surface Seal/Apron Material Cement Bentonite Not apparent Other _____
 Integrity of Surface Seal/Apron Describe: good
 Surface Drainage Away from Wellhead Toward Wellhead
 Bollards Present? Yes No Describe: _____
 Well ID. Visible? Yes No Describe: _____
 Lock Present and Functional? Yes No Describe: _____
 Photograph Taken? Photo # Yes No Describe: _____

Inner Appearance

Integrity of Well Casing Describe: Good
 Integrity of Cap Seal Describe: Good
 Surface Water in Casing? Yes No Describe: _____
 Well Casing Diameter 4 inches
 Well Casing Material PVC Steel Stainless Steel
 Inner Cap Threaded Slip Expansion Plug None
 Reference/Measuring Point Groove Indelible Mark None
 Evidence of Double Casing? Yes No Describe: _____

Downhole

Odor Yes No Describe: _____
 PID Reading 0.0 ppb
 Depth to Water (to top of casing) 10.61 feet (nearest 0.01) Depth to LNAPL _____ feet (nearest 0.01) N/A
 Total Well Depth (to top of casing) 14.36 feet (nearest 0.1)
 Sediment (Hard/Soft Bottom) Describe: _____

Additional Comments:

Plow Material came up with tape.
WL- 10.61

GROUNDWATER MONITORING WELL INSPECTION

SITE/PROJECT NAME: OSWEGO CASTINGS PROJECT NUMBER: 738033
 DATE OF INSPECTION: 9/24/12 INSPECTOR: Val
 WELL DESIGNATION: MW-4
 WELL LOCATION: 380627, 4814519 333 elev
4814519

Outward Appearance

Flushmount Diameter 6.4 inches N/A []
 Approximate Stickup Height 2 feet N/A []
 Integrity of Protective Casing Describe: OK w/ 1 1/2 BOLLARDS
 Protective Casing Material Steel Stainless Steel [] Other _____
 Protective Casing Width or Dia. 6 inches
 Weep Hole in Protective Casing Yes [] No []
 Surface Seal/Apron Material Cement Bentonite [] Not apparent [] Other _____
 Integrity of Surface Seal/Apron Describe: gran-covered but OK
 Surface Drainage Away from Wellhead [] Toward Wellhead []
 Bollards Present? Yes No [] Describe: _____
 Well ID. Visible? Yes [] No Describe: _____
 Lock Present and Functional? Yes No Describe: we lifted off the alum. top.
 Photograph Taken? Photo # Yes No [] Describe: _____

Inner Appearance

Integrity of Well Casing Describe: PVC
 Integrity of Cap Seal Describe: gripmer
 Surface Water in Casing? Yes [] No Describe: _____
 Well Casing Diameter 4 inches
 Well Casing Material PVC Steel [] Stainless Steel []
 Inner Cap Threaded [] Slip [] Expansion Plug None []
 Reference/Measuring Point Groove [] Indelible Mark None []
 Evidence of Double Casing? Yes [] No Describe: _____

Downhole

Odor Yes [] No [] Describe: _____
 PID Reading 0.0 ppm
 Depth to Water (to top of casing) 4.46 feet (nearest 0.01) Depth to LNAPL _____ feet (nearest 0.01) N/A []
 Total Well Depth (to top of casing) 16.16 feet (nearest 0.1)
 Sediment (Hard/Soft Bottom) Describe: _____

Additional Comments:

GROUNDWATER MONITORING WELL INSPECTION

SITE/PROJECT NAME: Oswego Castings PROJECT NUMBER: 738033
 DATE OF INSPECTION: 9/25/12 INSPECTOR: Hal Woodward
 WELL DESIGNATION: MW 5
 WELL LOCATION: 380503, 4814632 360 AMLS
Via Payson Cell GPS

Outward Appearance

Flushmount Diameter _____ inches N/A
 Approximate Stickup Height 3.5 feet N/A
 Integrity of Protective Casing Describe: good - Painted Blue
 Protective Casing Material Steel Stainless Steel Other _____
 Protective Casing Width or Dia. 4 inches
 Weep Hole in Protective Casing Yes No
 Surface Seal/Apron Material Cement Bentonite Not apparent Other _____
 Integrity of Surface Seal/Apron Describe: good
 Surface Drainage Away from Wellhead Toward Wellhead
 Bollards Present? Yes No Describe: _____
 Well ID. Visible? Yes No Describe: _____
 Lock Present and Functional? Yes No Describe: _____
 Photograph Taken? Photo # Yes No Describe: _____

Inner Appearance

Integrity of Well Casing Describe: good
 Integrity of Cap Seal Describe: good
 Surface Water in Casing? Yes No Describe: _____
 Well Casing Diameter 2 inches
 Well Casing Material PVC Steel Stainless Steel
 Inner Cap Threaded Slip Expansion Plug None
 Reference/Measuring Point Groove Indelible Mark None
 Evidence of Double Casing? Yes No Describe: _____

Downhole

Odor Yes No Describe: _____
 PID Reading 230 ppm
 Depth to Water (to top of casing) 14.91 feet (nearest 0.01) Depth to LNAPL _____ feet (nearest 0.01) N/A
 Total Well Depth (to top of casing) 14.69 feet (nearest 0.1)
 Sediment (Hard/Soft Bottom) Describe: _____

Additional Comments:

GROUNDWATER MONITORING WELL INSPECTION

SITE/PROJECT NAME: Orange Casting PROJECT NUMBER: 738033
 DATE OF INSPECTION: 9/24/12 INSPECTOR: Val
 WELL DESIGNATION: MW-6
 WELL LOCATION: VTM380854 4814491 372 AMLS
Via Payson Cell GPS

Outward Appearance

Flushmount Diameter _____ inches N/A []
 Approximate Stickup Height 3 feet N/A []
 Integrity of Protective Casing Describe: good
 Protective Casing Material Steel Stainless Steel [] Other _____
 Protective Casing Width or Dia. 4 inches
 Weep Hole in Protective Casing Yes [] No
 Surface Seal/Apron Material Cement Bentonite [] Not apparent [] Other _____
 Integrity of Surface Seal/Apron Describe: good
 Surface Drainage Away from Wellhead [] Toward Wellhead
 Bollards Present? Yes [] No Describe: _____
 Well ID. Visible? Yes No [] Describe: _____
 Lock Present and Functional? Yes No [] Describe: _____
 Photograph Taken? Photo # Yes No [] Describe: _____

Inner Appearance

Integrity of Well Casing Describe: good
 Integrity of Cap Seal Describe: good
 Surface Water in Casing? Yes [] No Describe: _____
 Well Casing Diameter 4 inches
 Well Casing Material PVC Steel [] Stainless Steel []
 Inner Cap Threaded [] Slip Expansion Plug [] None []
 Reference/Measuring Point Groove [] Indelible Mark [] None []
 Evidence of Double Casing? Yes [] No [] Describe: _____

Downhole

Odor Yes [] No Describe: _____
 PID Reading 0.4 ppb
 Depth to Water (to top of casing) 14.35 feet (nearest 0.01) Depth to LNAPL _____ feet (nearest 0.01) N/A []
 Total Well Depth (to top of casing) 36.60 feet (nearest 0.1)
 Sediment (Hard/Soft Bottom) Describe: Soft

Additional Comments:

Casing Painted Blue

GROUNDWATER MONITORING WELL INSPECTION

SITE/PROJECT NAME: Oswego Casting PROJECT NUMBER: 738033
 DATE OF INSPECTION: 9/25/12 INSPECTOR: L. Thomas
 WELL DESIGNATION: MW-7
 WELL LOCATION: 380638 4814665 348 Amcs
via Payson GPS cell

Outward Appearance

Flushmount Diameter _____ inches N/A
 Approximate Stickup Height 3 feet N/A []
 Integrity of Protective Casing Describe: Good
 Protective Casing Material Steel Stainless Steel [] Other _____
 Protective Casing Width or Dia. 4 inches
 Weep Hole in Protective Casing Yes [] No
 Surface Seal/Apron Material Cement Bentonite [] Not apparent [] Other _____
 Integrity of Surface Seal/Apron Describe: Good Condition
 Surface Drainage Away from Wellhead Toward Wellhead []
 Bollards Present? Yes [] No Describe: _____
 Well ID. Visible? Yes [] No Describe: _____
 Lock Present and Functional? Yes No [] Describe: _____
 Photograph Taken? Photo # Yes No [] Describe: _____

Inner Appearance

Integrity of Well Casing Describe: Good
 Integrity of Cap Seal Describe: good - J Plug
 Surface Water in Casing? Yes [] No Describe: _____
 Well Casing Diameter 2 inches
 Well Casing Material PVC Steel [] Stainless Steel []
 Inner Cap Threaded [] Slip [] Expansion Plug None []
 Reference/Measuring Point Groove [] Indelible Mark None []
 Evidence of Double Casing? Yes [] No Describe: _____

Downhole

Odor Yes [] No [] Describe: _____
 PID Reading 5 ppm
 Depth to Water (to top of casing) 2.20 feet (nearest 0.01) Depth to LNAPL _____ feet (nearest 0.01) N/A []
 Total Well Depth (to top of casing) 15.00 feet (nearest 0.1)
 Sediment (Hard/Soft Bottom) Describe: _____

Additional Comments:

Appendix E

Groundwater Level Data Form

Appendix F

Groundwater Sampling Purge Logs

WELL DEVELOPMENT/ PURGING LOG

WELL NUMBER: MW-1

DATE: 9/25/12

PROJECT NAME: Oswego Casting

PROJECT NUMBER: 738033

SAMPLERS: Payson, Will, Larry, Val, Carl

A: Total Casing and Screen Length: 3' 16.00

B: Casing Internal Diameter: 4"

C: Water Level Below Top of Casing: 10.85'

D: Volume of Water in Casing: 3.399

Well I.D.	Vol. Gal./ft.
1"	0.04
2"	0.17
3"	0.38
<u>4"</u>	0.66
5"	1.04
6"	1.50
8"	2.60

$v = 0.0408 (B)^2 \times (A-C) = D$

$v = 0.0408 (4)^2 \times (16.00 - 10.85) = \frac{3.399}{53.79102} \text{ gal.}$

PARAMETER	ACCUMULATED VOLUME PURGED												
	12:15	12:20	12:25	12:30	12:35	12:40	12:45	12:50	12:55	13:00	13:05	13:10	13:15
Time													
Gallons			0.5	0.75	1	1.25	1.5	1.75	2	2.75 3	3.5	4	
Depth to Water	11.15	11.41	11.75	11.90	12.11	12.23	12.42	12.58	12.78	12.91	13.11	13.30	13.41
Temperature (°C)	20.59	18.77	18.00	17.88	17.90	17.87	17.90	17.91	18.03	17.99	18.00	18.12	18.13
pH	7.39	7.31	7.29	7.27	7.25	7.23	7.24	7.24	7.24	7.27	7.25	7.24	7.25
Redox (mV)	-7	-74	-77	-59	-35	-24	-9	2	-5	-28	-32	-46	-54
Conductivity (mohm/cm)	0.544	.566	.566	.566	0.564	0.566	0.565	0.564	0.560	0.564	0.560	0.566	.564
Turbidity (ntu)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0
Disolved Oxygen (mg/l)	0.00	0.00	0.00	0.00	0.09	0.12	0.18	0.24	4.23	3.91	3.22	3.37	3.85
TDS	0.349	.363	.363	0.363	0.362	0.362	0.361	0.362	0.359	0.361	0.358	0.362 0.362	0.362
Salinity	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3

Notes: Taking a Duplicate Sample at the Location.
well sampled 13:15 with Approx 4 Gallons Purged

WELL DEVELOPMENT/ PURGING LOG

WELL NUMBER: MW-2R DATE: 9/24/12

PROJECT NAME: Oswego Castings

PROJECT NUMBER: _____

SAMPLERS: P. Long, L. Thomas, Jeremy (Malcolm Pirnie)

A: Total Casing and Screen Length: 15.55
 B: Casing Internal Diameter: 2"
 C: Water Level Below Top of Casing: ~~6.66~~ 6.67
 D: Volume of Water in Casing: 1.50%

Well I.D.	Vol. Gal./ft.
1"	0.04
2"	0.17
3"	0.38
4"	0.66
5"	1.04
6"	1.50
8"	2.60

$v = 0.0408 (B)^2 \times (A-C) = D$

$v = 0.0408 (\quad)^2 \times (\quad - \quad) = \underline{\sim 1.7} \text{ gal.}$

PARAMETER	ACCUMULATED VOLUME PURGED									
	1	2	3	4	5	6	7	8	9	10
Time	1250	1255	1300	1305	1310	1315	1320	1325	1330	
Gallons <i>Cumulative</i>								2.0	2.50	
Depth to Water	6.93	7.08	7.09	7.41	7.69	8.13	8.31	8.65	8.93	
Temperature (°C)	20.31	19.79	19.86	19.11	19.41	19.64	19.7	19.66	19.71	
pH	8.7	7.8	7.51	7.45	7.27	7.22	7.20	7.2	7.21	
Redox (mV)	6.0	9.2	100	112	124	131	134	137	138	
Conductivity (mohm/cm)	.714	.666	0.668	0.673	0.655	0.65	0.65	0.648	0.637	
Turbidity (ntu)	31.2	39.3	15	4.3	3.0	2.6	1.9	1.5	1.0	
Disolved Oxygen (mg/l)	10.25	9.78	10.07	4.37	6.18	7.12	7.52	7.75	7.68	
TDS	0.453	0.42	0.427	0.431	0.419	0.417	0.418	0.415	0.407	
Salinity	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	

Notes: Start Purge: 1240; Reset take between 3rd + 4th readings, to eliminate air bubble; 1330 - stabilized readings - began filling bottles for PCB analysis - 2 x 1 liter.

PH 10
 Redox 10 mV
 Cond. 3%

DO 100%
 Turb 10%

PID = 0.0 ppm
 PPB Ray = 110pp in riser
 Oppb in breathing zone

WELL DEVELOPMENT/ PURGING LOG

WELL NUMBER: MW 3

DATE: 9/24/12

PROJECT NAME: Oswego Castings

PROJECT NUMBER: 938033

SAMPLERS: Payson Long

A: Total Casing and Screen Length: 14.36

B: Casing Internal Diameter: 4"

C: Water Level Below Top of Casing: 10.61

D: Volume of Water in Casing: 2.475

Well I.D.	Vol. Gal./ft.
1"	0.04
2"	0.17
3"	0.38
<u>4"</u>	0.66
5"	1.04
6"	1.50
8"	2.60

$v = 0.0408 (B)^2 \times (A-C) = D$

$v = 0.0408 (\quad)^2 \times (\quad - \quad) = \underline{2.475}$ gal.

PARAMETER	ACCUMULATED VOLUME PURGED									
	16:00	16:05	16:10	16:15	16:20					
Time										
Gallons					2					
Depth to Water	10.81	11.07	11.30	11.49	11.77					
Temperature (°C)	20.00	18.77	18.57	18.70	18.68					
pH	7.2	7.03	6.98	6.95	6.90					
Redox (mV)	118	118	115	113	115					
Conductivity (mohm/cm)	0.755	0.773	0.776	0.774	0.774					
Turbidity (ntu)	29.8	212.5	7.8	8.3	6.4					
Disolved Oxygen (mg/l)	0	0	0	0	0					
TDS	0.487	0.495	0.497	0.495	0.496					
Salinity	0.4	0.4	0.4	0.4	0.4					

Notes: Well sampled 1622

WELL DEVELOPMENT/ PURGING LOG

WELL NUMBER: MW - 4

DATE: 9/24/2012

PROJECT NAME: OSWEGO CASTINGS

PROJECT NUMBER: _____

SAMPLERS: W. Welling, ~~at~~ V. Woodward

A: Total Casing and Screen Length: 16.16

B: Casing Internal Diameter: 4

C: Water Level Below Top of Casing: 4.48

D: Volume of Water in Casing: 7.7088

Well I.D.	Vol. Gal./ft.
1"	0.04
2"	0.17
3"	0.38
<u>4"</u>	0.66
5"	1.04
6"	1.50
8"	2.60

$v = 0.0408 (B)^2 \times (A-C) = D$

$v = 0.0408 (\quad)^2 \times (\quad) = \underline{7.7088} \text{ gal.}$

PARAMETER	ACCUMULATED VOLUME PURGED									
	17:00	17:05	17:10	17:15	17:20					
Time										
Gallons <i>cumulative</i>					1.50					
Depth to Water	4.46	4.81	5.31	5.72	6.16					
Temperature (°C)	21.33	20.92	20.64	20.69	20.52					
pH	7.22	7.09	7.03	7.01	7.00					
Redox (mV)	141	138	133	130	128					
Conductivity (mohm/cm)	0.647	0.651	0.654	0.652	0.653					
Turbidity (ntu)	4.1	19.8	2.6	2.6	2.8					
Disolved Oxygen (mg/l)	0.03	0	0	0	0					
TDS	0.44	0.416	0.418	0.417	0.418					
Salinity	0.3	0.3	0.3	0.3	0.3					

Notes: well sampled 1725

WELL DEVELOPMENT/ PURGING LOG

WELL NUMBER: MW-5

DATE: 9/25/12

PROJECT NAME: Oswego Castings

PROJECT NUMBER: 738033

SAMPLERS: Payson

A: Total Casing and Screen Length: 16.69

B: Casing Internal Diameter: 2"

C: Water Level Below Top of Casing: 14.91

D: Volume of Water in Casing: 0.3026

Well I.D.	Vol. Gal./ft.
1"	0.04
<u>2"</u>	0.17
3"	0.38
4"	0.66
5"	1.04
6"	1.50
8"	2.60

$v = 0.0408 (B)^2 \times (A-C) = D$

$v = 0.0408 (\quad)^2 \times (\quad - \quad) = \underline{0.3026} \text{ gal.}$

PARAMETER	ACCUMULATED VOLUME PURGED											
Time												
Gallons												
Depth to Water												
Temperature (°C)												
pH												
Redox (mV)												
Conductivity (mohm/cm)												
Turbidity (ntu)												
Disolved Oxygen (mg/l)												
TDS												
Salinity												

Notes: Sampled with out Purging
at 1125

WELL DEVELOPMENT/ PURGING LOG

WELL NUMBER: MW-6

DATE: 9/24/12

PROJECT NAME: Oswego Casting

PROJECT NUMBER: 738033

SAMPLERS: Payson

- A: Total Casing and Screen Length: 36.60
- B: Casing Internal Diameter: 2"
- C: Water Level Below Top of Casing: 14.35
- D: Volume of Water in Casing: 3,7825

Well I.D.	Vol. Gal./ft.
1"	0.04
<u>2"</u>	0.17
3"	0.38
4"	0.66
5"	1.04
6"	1.50
8"	2.60

$v = 0.0408 (B)^2 \times (A-C) = D$

$v = 0.0408 (\quad)^2 \times (\quad - \quad) = \underline{3.7825} \text{ gal.}$

PARAMETER	ACCUMULATED VOLUME PURGED												
	14:15	14:20	14:25	14:35	14:40	14:45	14:50	14:55	15:00	15:05	15:10	15:15	
Time													
Gallons													
Depth to Water	16.31	17.20	18.10	18.70	19.74	20.73	21.57	22.54	23.45	24.38	24.87	25.53	
Temperature (°C)	21.56	19.87	18.7	18.86	17.45	17.22	17.21	17.53	16.95	17.46	17.79	17.75	
pH	7.56	7.55	7.57	7.65	7.64	7.66	7.64	7.66	7.66	7.66	7.65	7.67	
Redox (mV)	102	102	100	102	84	53	40	28	17	4	1	2	
Conductivity (mohm/cm)	0.44	0.45	0.458	0.452	0.455	0.451	0.450	0.449	0.457	0.453	0.449	0.448	
Turbidity (ntu)	4.1	1.05	23.8	23.6	23.9	14.9	6.5	0.7	0.0	12.7	15.3	15.5	
Disolved Oxygen (mg/l)	0.07	0.00	0.85	1.64	1.14	1.31	1.38	1.46	4.34	1.60	1.82	1.56	
TDS	0.28	0.29	0.30	0.295	0.295	0.292	0.292	0.293	0.297	0.294	0.291	0.291	
Salinity	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	

Notes: Well sampled 1520 adjusted tubing

pH +/- .1
Redox +/- 10 mV
conduct +/- 3%
turbidity +/- 10%
D.O. +/- 10%

Sampled at
15:20
2 1/2 gallons collected

WELL DEVELOPMENT/ PURGING LOG

WELL NUMBER: MW-7 DATE: 9/25/12

PROJECT NAME: Oswego Castings

PROJECT NUMBER: _____

SAMPLERS: L. Thomas, V. Woodward

A: Total Casing and Screen Length: 15.00
 B: Casing Internal Diameter: 2"
 C: Water Level Below Top of Casing: 12.20
 D: Volume of Water in Casing: 0.476

Well I.D.	Vol. Gal./ft.
1"	0.04
<u>2"</u>	0.17
3"	0.38
4"	0.66
5"	1.04
6"	1.50
8"	2.60

$v = 0.0408 (B)^2 \times (A-C) = D$

$v = 0.0408 (\quad)^2 \times (\quad - \quad) = \underline{0.746}$ gal.

PARAMETER	ACCUMULATED VOLUME PURGED									
	10:20	10:25	10:30	10:35	10:40	10:45	10:50	10:55		
Time										
Gallons					1.25	1.5	1.75			
Depth to Water	12.60	13.0	13.25	13.5	13.8	14.0	14.25	14.35		
Temperature (°C)	18.74	18.31	18.26	18.52	18.48	18.98	18.87	19.51		
pH	6.87	7.21	7.27	7.33	7.26	7.22	7.26	7.19		
Redox (mV)	114	116	110	108	112	129	128	136		
Conductivity (mohm/cm)	0.563	0.554	0.551	0.548	0.549	0.546	0.548	0.548		
Turbidity (ntu)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Disolved Oxygen (mg/l)	3.03	0.08	0.0	0.0	0.00	0.21	0.32	0.86		
TDS	0.364	0.354	0.353	0.350	0.351	0.350	0.350	0.352		
Salinity	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3		

Notes: 10:42 Removed air bubble from tubing and Re-set tubing depth
Sampled 10:55

Appendix G

Analytical Data Packages

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-25677-1

Client Project/Site: Oswego Castings #738033

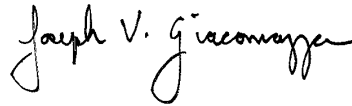
For:

New York State D.E.C.

1150 North Westcott Road

Schenectady, New York 12306

Attn: Carl Hoffman



Authorized for release by:

10/1/2012 12:23:07 PM

Joe Giacomazza

Project Administrator

joe.giacomazza@testamericainc.com

Designee for

Sally Hoffman

Project Manager II

sally.hoffman@testamericainc.com

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

1

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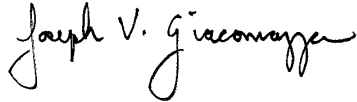
8

9

10

11

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Joe Giacomazza
Project Administrator
10/1/2012 12:23:07 PM



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Definitions/Glossary

Client: New York State D.E.C.
Project/Site: Oswego Castings #738033

TestAmerica Job ID: 480-25677-1

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: New York State D.E.C.
Project/Site: Oswego Castings #738033

TestAmerica Job ID: 480-25677-1

Job ID: 480-25677-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-25677-1

Receipt

The samples were received on 9/26/2012 9:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 3 coolers at receipt time were 2.1° C, 2.5° C and 2.6° C.

GC Semi VOA

Method 8082: The following samples were diluted due to the abundance of target analytes: DUP (480-25677-5), MW-1 92512 (480-25677-6). As such, surrogate recoveries are not representative, and elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.



Client Sample Results

Client: New York State D.E.C.
 Project/Site: Oswego Castings #738033

TestAmerica Job ID: 480-25677-1

Client Sample ID: MW-2R 92412

Lab Sample ID: 480-25677-1

Date Collected: 09/24/12 13:30

Matrix: Water

Date Received: 09/26/12 09:00

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.49	0.17	ug/L		09/27/12 14:11	09/28/12 17:19	1
PCB-1221	ND		0.49	0.17	ug/L		09/27/12 14:11	09/28/12 17:19	1
PCB-1232	ND		0.49	0.17	ug/L		09/27/12 14:11	09/28/12 17:19	1
PCB-1242	ND		0.49	0.17	ug/L		09/27/12 14:11	09/28/12 17:19	1
PCB-1248	ND		0.49	0.17	ug/L		09/27/12 14:11	09/28/12 17:19	1
PCB-1254	ND		0.49	0.24	ug/L		09/27/12 14:11	09/28/12 17:19	1
PCB-1260	ND		0.49	0.24	ug/L		09/27/12 14:11	09/28/12 17:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	90		19 - 126	09/27/12 14:11	09/28/12 17:19	1
Tetrachloro-m-xylene	91		23 - 127	09/27/12 14:11	09/28/12 17:19	1

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Oswego Castings #738033

TestAmerica Job ID: 480-25677-1

Client Sample ID: MW-6 92412

Lab Sample ID: 480-25677-2

Date Collected: 09/24/12 15:20

Matrix: Water

Date Received: 09/26/12 09:00

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.49	0.17	ug/L		09/27/12 14:11	09/28/12 17:35	1
PCB-1221	ND		0.49	0.17	ug/L		09/27/12 14:11	09/28/12 17:35	1
PCB-1232	ND		0.49	0.17	ug/L		09/27/12 14:11	09/28/12 17:35	1
PCB-1242	ND		0.49	0.17	ug/L		09/27/12 14:11	09/28/12 17:35	1
PCB-1248	ND		0.49	0.17	ug/L		09/27/12 14:11	09/28/12 17:35	1
PCB-1254	ND		0.49	0.25	ug/L		09/27/12 14:11	09/28/12 17:35	1
PCB-1260	ND		0.49	0.25	ug/L		09/27/12 14:11	09/28/12 17:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	82		19 - 126	09/27/12 14:11	09/28/12 17:35	1
Tetrachloro-m-xylene	87		23 - 127	09/27/12 14:11	09/28/12 17:35	1

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Oswego Castings #738033

TestAmerica Job ID: 480-25677-1

Client Sample ID: MW-3 92412

Lab Sample ID: 480-25677-3

Date Collected: 09/24/12 16:22

Matrix: Water

Date Received: 09/26/12 09:00

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.17	ug/L		09/27/12 14:11	09/28/12 17:51	1
PCB-1221	ND		0.50	0.17	ug/L		09/27/12 14:11	09/28/12 17:51	1
PCB-1232	ND		0.50	0.17	ug/L		09/27/12 14:11	09/28/12 17:51	1
PCB-1242	ND		0.50	0.17	ug/L		09/27/12 14:11	09/28/12 17:51	1
PCB-1248	ND		0.50	0.17	ug/L		09/27/12 14:11	09/28/12 17:51	1
PCB-1254	ND		0.50	0.25	ug/L		09/27/12 14:11	09/28/12 17:51	1
PCB-1260	ND		0.50	0.25	ug/L		09/27/12 14:11	09/28/12 17:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	85		19 - 126	09/27/12 14:11	09/28/12 17:51	1
Tetrachloro-m-xylene	89		23 - 127	09/27/12 14:11	09/28/12 17:51	1

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Oswego Castings #738033

TestAmerica Job ID: 480-25677-1

Client Sample ID: MW-4 92412

Lab Sample ID: 480-25677-4

Date Collected: 09/24/12 17:25

Matrix: Water

Date Received: 09/26/12 09:00

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.49	0.17	ug/L		09/27/12 14:11	09/28/12 18:07	1
PCB-1221	ND		0.49	0.17	ug/L		09/27/12 14:11	09/28/12 18:07	1
PCB-1232	ND		0.49	0.17	ug/L		09/27/12 14:11	09/28/12 18:07	1
PCB-1242	ND		0.49	0.17	ug/L		09/27/12 14:11	09/28/12 18:07	1
PCB-1248	ND		0.49	0.17	ug/L		09/27/12 14:11	09/28/12 18:07	1
PCB-1254	ND		0.49	0.25	ug/L		09/27/12 14:11	09/28/12 18:07	1
PCB-1260	ND		0.49	0.25	ug/L		09/27/12 14:11	09/28/12 18:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	88		19 - 126	09/27/12 14:11	09/28/12 18:07	1
Tetrachloro-m-xylene	88		23 - 127	09/27/12 14:11	09/28/12 18:07	1

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Oswego Castings #738033

TestAmerica Job ID: 480-25677-1

Client Sample ID: DUP

Lab Sample ID: 480-25677-5

Date Collected: 09/25/12 00:00

Matrix: Water

Date Received: 09/26/12 09:00

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	47	J	50	17	ug/L		09/27/12 14:11	09/28/12 18:23	100
PCB-1221	ND		50	17	ug/L		09/27/12 14:11	09/28/12 18:23	100
PCB-1232	ND		50	17	ug/L		09/27/12 14:11	09/28/12 18:23	100
PCB-1242	ND		50	17	ug/L		09/27/12 14:11	09/28/12 18:23	100
PCB-1248	ND		50	17	ug/L		09/27/12 14:11	09/28/12 18:23	100
PCB-1254	ND		50	25	ug/L		09/27/12 14:11	09/28/12 18:23	100
PCB-1260	ND		50	25	ug/L		09/27/12 14:11	09/28/12 18:23	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>DCB Decachlorobiphenyl</i>	0	X	19 - 126	09/27/12 14:11	09/28/12 18:23	100
<i>Tetrachloro-m-xylene</i>	83		23 - 127	09/27/12 14:11	09/28/12 18:23	100

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Oswego Castings #738033

TestAmerica Job ID: 480-25677-1

Client Sample ID: MW-1 92512

Lab Sample ID: 480-25677-6

Date Collected: 09/25/12 13:15

Matrix: Water

Date Received: 09/26/12 09:00

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	54		50	17	ug/L		09/27/12 14:11	09/28/12 18:39	100
PCB-1221	ND		50	17	ug/L		09/27/12 14:11	09/28/12 18:39	100
PCB-1232	ND		50	17	ug/L		09/27/12 14:11	09/28/12 18:39	100
PCB-1242	ND		50	17	ug/L		09/27/12 14:11	09/28/12 18:39	100
PCB-1248	ND		50	17	ug/L		09/27/12 14:11	09/28/12 18:39	100
PCB-1254	ND		50	25	ug/L		09/27/12 14:11	09/28/12 18:39	100
PCB-1260	ND		50	25	ug/L		09/27/12 14:11	09/28/12 18:39	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	X	19 - 126	09/27/12 14:11	09/28/12 18:39	100
Tetrachloro-m-xylene	96		23 - 127	09/27/12 14:11	09/28/12 18:39	100

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Oswego Castings #738033

TestAmerica Job ID: 480-25677-1

Client Sample ID: EQUIPMENT BLANK PROBE

Lab Sample ID: 480-25677-7

Date Collected: 09/25/12 13:47

Matrix: Water

Date Received: 09/26/12 09:00

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.49	0.17	ug/L		09/27/12 14:11	09/28/12 18:55	1
PCB-1221	ND		0.49	0.17	ug/L		09/27/12 14:11	09/28/12 18:55	1
PCB-1232	ND		0.49	0.17	ug/L		09/27/12 14:11	09/28/12 18:55	1
PCB-1242	ND		0.49	0.17	ug/L		09/27/12 14:11	09/28/12 18:55	1
PCB-1248	0.53		0.49	0.17	ug/L		09/27/12 14:11	09/28/12 18:55	1
PCB-1254	ND		0.49	0.24	ug/L		09/27/12 14:11	09/28/12 18:55	1
PCB-1260	ND		0.49	0.24	ug/L		09/27/12 14:11	09/28/12 18:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>DCB Decachlorobiphenyl</i>	72		19 - 126	09/27/12 14:11	09/28/12 18:55	1
<i>Tetrachloro-m-xylene</i>	90		23 - 127	09/27/12 14:11	09/28/12 18:55	1

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Oswego Castings #738033

TestAmerica Job ID: 480-25677-1

Client Sample ID: MW-7 92512

Lab Sample ID: 480-25677-8

Date Collected: 09/25/12 11:00

Matrix: Water

Date Received: 09/26/12 09:00

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.56	0.20	ug/L		09/27/12 14:11	09/28/12 19:10	1
PCB-1221	ND		0.56	0.20	ug/L		09/27/12 14:11	09/28/12 19:10	1
PCB-1232	ND		0.56	0.20	ug/L		09/27/12 14:11	09/28/12 19:10	1
PCB-1242	ND		0.56	0.20	ug/L		09/27/12 14:11	09/28/12 19:10	1
PCB-1248	ND		0.56	0.20	ug/L		09/27/12 14:11	09/28/12 19:10	1
PCB-1254	ND		0.56	0.28	ug/L		09/27/12 14:11	09/28/12 19:10	1
PCB-1260	ND		0.56	0.28	ug/L		09/27/12 14:11	09/28/12 19:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	88		19 - 126	09/27/12 14:11	09/28/12 19:10	1
Tetrachloro-m-xylene	91		23 - 127	09/27/12 14:11	09/28/12 19:10	1

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Oswego Castings #738033

TestAmerica Job ID: 480-25677-1

Client Sample ID: MW-5 92512

Lab Sample ID: 480-25677-9

Date Collected: 09/25/12 11:25

Matrix: Water

Date Received: 09/26/12 09:00

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.53	0.19	ug/L		09/27/12 14:11	09/28/12 19:26	1
PCB-1221	ND		0.53	0.19	ug/L		09/27/12 14:11	09/28/12 19:26	1
PCB-1232	ND		0.53	0.19	ug/L		09/27/12 14:11	09/28/12 19:26	1
PCB-1242	ND		0.53	0.19	ug/L		09/27/12 14:11	09/28/12 19:26	1
PCB-1248	ND		0.53	0.19	ug/L		09/27/12 14:11	09/28/12 19:26	1
PCB-1254	ND		0.53	0.26	ug/L		09/27/12 14:11	09/28/12 19:26	1
PCB-1260	ND		0.53	0.26	ug/L		09/27/12 14:11	09/28/12 19:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	58		19 - 126	09/27/12 14:11	09/28/12 19:26	1
Tetrachloro-m-xylene	87		23 - 127	09/27/12 14:11	09/28/12 19:26	1

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Oswego Castings #738033

TestAmerica Job ID: 480-25677-1

Client Sample ID: EQUIPMENT BLANK CELL

Lab Sample ID: 480-25677-10

Date Collected: 09/25/12 11:50

Matrix: Water

Date Received: 09/26/12 09:00

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.47	0.17	ug/L		09/27/12 14:11	09/28/12 19:42	1
PCB-1221	ND		0.47	0.17	ug/L		09/27/12 14:11	09/28/12 19:42	1
PCB-1232	ND		0.47	0.17	ug/L		09/27/12 14:11	09/28/12 19:42	1
PCB-1242	ND		0.47	0.17	ug/L		09/27/12 14:11	09/28/12 19:42	1
PCB-1248	ND		0.47	0.17	ug/L		09/27/12 14:11	09/28/12 19:42	1
PCB-1254	ND		0.47	0.24	ug/L		09/27/12 14:11	09/28/12 19:42	1
PCB-1260	ND		0.47	0.24	ug/L		09/27/12 14:11	09/28/12 19:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	68		19 - 126	09/27/12 14:11	09/28/12 19:42	1
Tetrachloro-m-xylene	88		23 - 127	09/27/12 14:11	09/28/12 19:42	1

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Oswego Castings #738033

TestAmerica Job ID: 480-25677-1

Client Sample ID: MW-2R 92412

Lab Sample ID: 480-25677-1

Date Collected: 09/24/12 13:30

Matrix: Water

Date Received: 09/26/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			82621	09/27/12 14:11	DE	TAL BUF
Total/NA	Analysis	8082		1	82772	09/28/12 17:19	JM	TAL BUF

Client Sample ID: MW-6 92412

Lab Sample ID: 480-25677-2

Date Collected: 09/24/12 15:20

Matrix: Water

Date Received: 09/26/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			82621	09/27/12 14:11	DE	TAL BUF
Total/NA	Analysis	8082		1	82772	09/28/12 17:35	JM	TAL BUF

Client Sample ID: MW-3 92412

Lab Sample ID: 480-25677-3

Date Collected: 09/24/12 16:22

Matrix: Water

Date Received: 09/26/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			82621	09/27/12 14:11	DE	TAL BUF
Total/NA	Analysis	8082		1	82772	09/28/12 17:51	JM	TAL BUF

Client Sample ID: MW-4 92412

Lab Sample ID: 480-25677-4

Date Collected: 09/24/12 17:25

Matrix: Water

Date Received: 09/26/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			82621	09/27/12 14:11	DE	TAL BUF
Total/NA	Analysis	8082		1	82772	09/28/12 18:07	JM	TAL BUF

Client Sample ID: DUP

Lab Sample ID: 480-25677-5

Date Collected: 09/25/12 00:00

Matrix: Water

Date Received: 09/26/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			82621	09/27/12 14:11	DE	TAL BUF
Total/NA	Analysis	8082		100	82772	09/28/12 18:23	JM	TAL BUF

Client Sample ID: MW-1 92512

Lab Sample ID: 480-25677-6

Date Collected: 09/25/12 13:15

Matrix: Water

Date Received: 09/26/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			82621	09/27/12 14:11	DE	TAL BUF
Total/NA	Analysis	8082		100	82772	09/28/12 18:39	JM	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Oswego Castings #738033

TestAmerica Job ID: 480-25677-1

Client Sample ID: EQUIPMENT BLANK PROBE

Lab Sample ID: 480-25677-7

Date Collected: 09/25/12 13:47

Matrix: Water

Date Received: 09/26/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			82621	09/27/12 14:11	DE	TAL BUF
Total/NA	Analysis	8082		1	82772	09/28/12 18:55	JM	TAL BUF

Client Sample ID: MW-7 92512

Lab Sample ID: 480-25677-8

Date Collected: 09/25/12 11:00

Matrix: Water

Date Received: 09/26/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			82621	09/27/12 14:11	DE	TAL BUF
Total/NA	Analysis	8082		1	82772	09/28/12 19:10	JM	TAL BUF

Client Sample ID: MW-5 92512

Lab Sample ID: 480-25677-9

Date Collected: 09/25/12 11:25

Matrix: Water

Date Received: 09/26/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			82621	09/27/12 14:11	DE	TAL BUF
Total/NA	Analysis	8082		1	82772	09/28/12 19:26	JM	TAL BUF

Client Sample ID: EQUIPMENT BLANK CELL

Lab Sample ID: 480-25677-10

Date Collected: 09/25/12 11:50

Matrix: Water

Date Received: 09/26/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			82621	09/27/12 14:11	DE	TAL BUF
Total/NA	Analysis	8082		1	82772	09/28/12 19:42	JM	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: New York State D.E.C.
 Project/Site: Oswego Castings #738033

TestAmerica Job ID: 480-25677-1

Laboratory: TestAmerica Buffalo

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-13
California	NELAC	9	1169CA	09-30-12
Connecticut	State Program	1	PH-0568	09-30-12
Florida	NELAC	4	E87672	06-30-13
Georgia	State Program	4	N/A	03-31-13
Georgia	State Program	4	956	03-31-12
Illinois	NELAC	5	200003	09-30-12
Iowa	State Program	7	374	03-01-13
Kansas	NELAC	7	E-10187	01-31-13
Kentucky	State Program	4	90029	12-31-12
Kentucky (UST)	State Program	4	30	04-01-13
Louisiana	NELAC	6	02031	06-30-13
Maine	State Program	1	NY00044	12-04-12
Maryland	State Program	3	294	03-31-13
Massachusetts	State Program	1	M-NY044	06-30-13
Michigan	State Program	5	9937	04-01-13
Minnesota	NELAC	5	036-999-337	12-31-12
New Hampshire	NELAC	1	2973	09-11-13
New Hampshire	NELAC	1	2337	11-17-12
New Jersey	NELAC	2	NY455	06-30-13
New York	NELAC	2	10026	03-30-13
North Dakota	State Program	8	R-176	03-31-13
Oklahoma	State Program	6	9421	08-31-13
Oregon	NELAC	10	NY200003	06-09-13
Pennsylvania	NELAC	3	68-00281	07-31-13
Tennessee	State Program	4	TN02970	04-01-13
Texas	NELAC	6	T104704412-11-2	07-31-13
USDA	Federal		P330-11-00386	11-22-14
Virginia	NELAC	3	460185	09-14-13
Washington	State Program	10	C784	02-10-13
West Virginia DEP	State Program	3	252	09-30-12
Wisconsin	State Program	5	998310390	08-31-13

Method Summary

Client: New York State D.E.C.
Project/Site: Oswego Castings #738033

TestAmerica Job ID: 480-25677-1

Method	Method Description	Protocol	Laboratory
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600



Sample Summary

Client: New York State D.E.C.
Project/Site: Oswego Castings #738033

TestAmerica Job ID: 480-25677-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-25677-1	MW-2R 92412	Water	09/24/12 13:30	09/26/12 09:00
480-25677-2	MW-6 92412	Water	09/24/12 15:20	09/26/12 09:00
480-25677-3	MW-3 92412	Water	09/24/12 16:22	09/26/12 09:00
480-25677-4	MW-4 92412	Water	09/24/12 17:25	09/26/12 09:00
480-25677-5	DUP	Water	09/25/12 00:00	09/26/12 09:00
480-25677-6	MW-1 92512	Water	09/25/12 13:15	09/26/12 09:00
480-25677-7	EQUIPMENT BLANK PROBE	Water	09/25/12 13:47	09/26/12 09:00
480-25677-8	MW-7 92512	Water	09/25/12 11:00	09/26/12 09:00
480-25677-9	MW-5 92512	Water	09/25/12 11:25	09/26/12 09:00
480-25677-10	EQUIPMENT BLANK CELL	Water	09/25/12 11:50	09/26/12 09:00

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Temperature on Receipt _____
 Drinking Water? Yes No

Chain of Custody Record

TAL-4124 (1007)

Client: **NYS DEC** Chain of Custody Number: **223580**
 Address: **625 Broadway** Lab Number: **9/24/12**
 City: **ALBANY** State: **NY** Zip Code: **12233** Page: **1** of **1**
 Project Name and Location: **Oswego Casting** Site Contact: **738033**
 Project Manager: **Payson Long** Lab Contact: _____
 Telephone Number (Area Code)/Fax Number: **(518) 402-9813**

Special Instructions/
 Conditions of Receipt

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives				Analysis (Attach list if more space is needed)		
			Air	Soil	Sludge	Water	Unpres.	H2SO4	HNO3	HCl		HOAc	
MW-2R-92412	9/24/12	1330	X				X						
MW-6-92412	9/24/12	1520	X				X						
MW-3-92412	9/24/12	1622	X				X						
MW-4-92412	9/24/12	1725	X				X						
DUP	9/25/12	—	X				X						
MW-1-92512	9/25/12	1315	X				X						
Equipment Blank Probe	9/25/12	1347	X				X						
MW-7-92512	9/25/12	1100	X				X						
MW-5-92512	9/25/12	1125	X				X						
Equipment Blank Cell	9/25/12	1150	X				X						

Possible high PLS
 concentration
 for next test 9/25/12

Possible Hazard Identification
 Non-Hazard Flammable Skin Irritant Poison B Unknown Return To Client Disposal By Lab Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
 24 Hours 48 Hours 7 Days 14 Days 21 Days Other _____

1. Relinquished By: **Payson Long** Date: **9/25/12** Time: **1600**
 2. Relinquished By: **Debra Lick** Date: **9/25/12** Time: **1910**
 3. Relinquished By: _____ Date: _____ Time: _____

OC Requirements (Specify)
 1. Received By: **Debra Lick** Date: **9/25/12** Time: **16:00**
 2. Received By: **Out of the Lab** Date: **9/25/12** Time: **09:00**
 3. Received By: _____ Date: _____ Time: _____

Comments: **7.6, 7.5, 7.1 #1**

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-25677-1

Login Number: 25677

List Number: 1

Creator: Robitaille, Zach L

List Source: TestAmerica Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	NYSDEC
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

