

**MARJOL BATTERY SITE
QUARTERLY PROGRESS REPORT
NO. 1**

**MARJOL BATTERY SITE
QUARTERLY PROGRESS REPORT
NO. 1**

Prepared For:

**GOULD ELECTRONICS
Eastlake, Ohio**

Prepared By:

**ADVANCED GEOSERVICES CORP.
West Chester, Pennsylvania**

**November 7, 2006
92-002-130**

Gould Electronics Inc.
34929 Curtis Boulevard, Eastlake, Ohio 44095-4001
Telephone: 440-953-5000
FAX: 440-953-5050



CERTIFICATION STATEMENT

I certify that the information contained in or accompanying the Quarterly Progress Report No. 1 dated November 15, 2006 for the Marjol Battery Site in Throop, Pennsylvania is true, accurate and complete.

As to those portions of the Quarterly Report No. 1 for which I cannot personally verify their accuracy, I certify under penalty of law that this Quarterly Progress Report No. 1 and all attachments were prepared in accordance with procedures designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, or the immediate supervisor of such person(s), the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibilities of fines and imprisonment for knowing violations.

SIGNATURE:

James F. Cronmiller

NAME:

James F. Cronmiller

TITLE:

Director, Corporate Environmental Affairs

DATE:

November 7, 2006

**QUARTERLY PROGRESS REPORT NO. 1
MARJOL BATTERY SITE**

DATE: November 7, 2006 92-002-130

REPORTING PERIOD: Third Quarter 2006 (July 1 to September 30)

This document was prepared to satisfy quarterly progress reporting requirements in the Final Administrative Order on Consent (AOC) U.S. EPA Docket No. RCRA-03-2006-0041 CA effective July 13, 2006 between the United States Environmental Protection Agency (USEPA), Pennsylvania Department of Environmental Protection (PADEP) and Gould Electronics Inc. (Gould).

ACTIONS DURING THIRD QUARTER 2006

CORRECTIVE MEASURES IMPLEMENTATION

The following activities were accomplished during Third Quarter 2006:

- The AOC became effective on July 13, 2006.
- The *Corrective Measures Implementation Work Plan* was submitted to USEPA and PADEP on July 21, 2006.
- During the week of July 17, 2006, access roadways were constructed to Pre-Design Investigation (PDI) mine fire borings PDB-3 through PDB-6. The roads were constructed of 6 to 8 inches of 2A modified stone underlain by 10 ounce non-woven geotextile.
- A meeting was held at the Site on August 1, 2006 to discuss proposed procedures for PDI mine fire borings. USEPA, PADEP, Army Corps of Engineers, Gannett Fleming, Skelly & Loy, Advanced GeoServices and Gould representatives attended.
- A copy of the AOC was provided to subcontractors associated to date with CMI activities on August 3, 2006.
- On August 14, 2006, the Initial Cost Estimate and the Draft Title Notice were submitted in accordance with the schedule laid out in the AOC.
- On August 23, 2006, responses to comments received August 15, 2006 regarding PDI mine fire borings were submitted to USEPA and PADEP.
- On August 30, 2006, a revised draft Trust Agreement was submitted.

- On September 1, 2006, USEPA and PADEP approved the mine fire portion of the PDI. The drilling activities began on September 12, 2006. Drilling activities were conducted by ProSonic Corporation of Windsor, New Jersey under the observation of Advanced GeoServices, ACOE (for USEPA) and Skelly & Loy (for PADEP). By September 30, 2006, drilling was completed at PDB-1, PDB-2, PDB-3, PDB-4 and PDB 7.
- On September 14, 2006, USEPA and PADEP provided a letter approving the mine fire and depth to bedrock portions of the PDI.
- On September 21, 2006, a site walk was conducted by USEPA, PADEP, Advanced GeoServices and Gould to discuss proposed PDI soil sampling and the conceptual design. PDI mine fire boring activities were observed during the site walk.
- Preparation of the Preliminary (30%) Design began.

SITE MONITORING AND MAINTENANCE

The following activities were accomplished during Third Quarter 2006:

- Weekly air monitoring continued at the Site, and the results show that this Site is not contributing to air lead. PADEP continues to periodically split samples with Advanced GeoServices at high volume sampler locations #1 and #4. The Second Quarter 2006 Ambient Air Monitoring Report is attached.
- Second Quarter 2006 surface water and sediment sample results were received that show that the Site is not releasing lead to the River via stormwater discharges. The Second Quarter 2006 Stormwater Management Basin Performance Monitoring Report is attached.
- On August 28, 2006, Advanced GeoServices personnel collected Third Quarter 2006 sediment samples as part of the Stormwater Management Basin Monitoring Program.
- On September 12, 2006, Advanced GeoServices began daily air monitoring at limited locations to monitor the PDI mine fire borings. Samples were collected only when drilling activities were performed. Preliminary sample results, collected from the first week of drilling, indicate that airborne lead concentrations were below the National Ambient Air Quality Lead Standard of 1.5 $\mu\text{g}/\text{m}^3$ and that the drilling was not causing an air release of lead off-site.
- On September 18, 2006, Advanced GeoServices personnel collected Third Quarter 2006 surface water samples as part of the Stormwater Management Basin Monitoring Plan.

- On September 20, 2006, Advanced GeoServices personnel collected a sample from the west decontamination pad holding tank. Preliminary analytical results indicated that the lead concentration was less than the detection limit of 2 µg/L, and the water was discharged to the ground surface.
- The July, August and September 2006 Monthly Site Visits were performed on July 31, August 28 and September 29, 2006, respectively, and the reports are attached. The site visits show that the site conditions continue to be stable. The discharge of water through the gate valve for the basin discharge pipe appears to have ceased after cleaning the pipe.
- There were signs of all-terrain vehicles traversing the path along the outside of the perimeter chain-link fence during the months of July, August and September, 2006.
- Precipitation for July, August and September was 1.96", 4.08" and 5.42" respectively, in the form of rain.
- Securitas Security (f/k/a Burns Security) continued to patrol the perimeter fence on a regular basis.
- TEEM Environmental was on site during July, August and September, 2006 to perform the following site maintenance activities:
 - Cut/trim grass on-site and off-site.
 - Repair roof fan in support trailer.
 - Remove weeds growing on top of high hazard stockpile cover.
 - Cover bare areas on low hazard stockpile with topsoil, seed and straw.
 - Repair roof on storage shed.
 - Re-grade haul roads and parking lot.
 - Remove pieces of battery casing material from ground surface near northeast vehicle gate.
 - Replace valve on discharge line from decontamination pad to holding tank.
 - Repair / replace silt fencing and snow fencing at various locations on site.
 - Remove and replace boxed core samples from storage shed for review.
 - Fill in ground hog holes on site.
 - Flush discharge pipe gate valve at SMB and check for leaks.
 - Replace / repair doors on support trailer and guard trailer.
 - Replace electrical outlet at decontamination pad.
 - Replace sump pump at decontamination pad.
 - Place modified gravel at decontamination pad area and base of haul road.
 - Sweep site roadways.
 - Repair lights / electric at support trailer.
 - Remove trees along haul road.
 - Deliver pallets to site for drilling activities.

- Repair / replant grass at ruts made by drilling activities.
- Remove sludge from decontamination pad sump pit. Placed sludge in a labelled drum. Drum is stored at Drum Storage Area.

COMMUNITY RELATIONS

The following activities were accomplished during Third Quarter 2006:

- On July 5, 2006, follow-up letters for the Annual Blood Lead Screening Program were sent to the residents who did not respond to the initial June 19th letter regarding in-home blood lead screening.
- On July 7, 2006, letters were sent to the Throop Borough Emergency Responders inviting them to participate in the annual blood lead screening program as part of the medical surveillance program that began in October 1999.
- On July 7, 2006, letters were sent to local churches, PTA's, and Day Care facilities regarding the Annual Blood Lead Screening Program.
- On July 7, 2006, flyers were sent to the mailing list as a reminder of the Annual Blood Lead Screening Program.
- The door-to-door portion of the annual blood lead screening program was conducted on July 11th and 13th.
- Lisa Ayers attended Throop Borough Council's Mid-Month Meeting on July 13, 2006. (See attached notes.)
- On July 14, 2006, a second group of flyers were sent to the mailing list as a reminder of the Annual Blood Lead Screening Program.
- On July 17, 2006, Lisa Ayers contacted several residents living on Delaware, Hill, and Franko Streets as well as the Throop Borough Council President, Mayor, and Chief Clerk to inform them there would be truck traffic entering the Site to deliver stone for temporary roadways for the PDI mine fire borings.
- Blood lead screening was conducted in the Throop Borough Civic Center on July 19th and 22nd. 35 individuals participated in the annual blood lead screening program this year.
- Lisa Ayers attended the regularly scheduled Throop Borough Council Monthly Meeting on July 27, 2006. (See attached notes.)
- On Monday, July 31, 2006, Throop Borough held a Special Monthly Meeting to discuss concerns of residents living in Schoolside Estates, a new development in Throop. The concerns included mail delivery, water runoff problems, quads

running on paved and unpaved roads, lack of fencing around the detention pond, a school bus stop and other items. Lisa Ayers did not attend this meeting.

- Marjol Battery Site Newsletter Number 85 was mailed on August 25, 2006. The following topics were covered in the newsletter:
 - Consent Agreement Signed
 - Community Relations Activities
 - Pre-Design Investigation
 - Schedule
 - Summary of 2006 Annual Blood Lead Screening Program
 - Monitoring and Maintenance Activities
- On August 25, 2006, Gould's web site, <http://www.marjolicleanup.com>, for the Marjol Battery Site became active. The web site provides:
 - Site Background Information;
 - Project Information (including air monitoring data) and Schedule;
 - Meeting Information;
 - Frequently Asked Questions;
 - Contact Information; and
 - Documents Relating to the Site.
- USEPA conducted a Public Meeting on August 30, 2006, to discuss the Marjol Battery Site. Representatives from USEPA, PADEP, Senator Specter's Office, Senator Santorum's Office, Throop Borough, Gould Electronics Inc., Advanced GeoServices Corp., the Throop Community, and the media attended the meeting.
- Lisa Ayers attended the regularly scheduled Throop Borough Council Monthly Meeting on August 31, 2006. (See attached notes.)
- On September 1, 2006, the Marjol web site was updated. A notification was sent to those individuals who signed up for web-site update notification notices.
- On September 11, 2006, Lisa Ayers contacted several residents living on Delaware, Hill, Franko, and Sanderson Streets, as well as the Throop Borough Council President, Mayor, and Chief Clerk to inform them that the PDI mine fire borings would begin that day or the next and that there may be some noise from the drilling.
- Lisa Ayers attended Throop Borough Council's Mid-Month Meeting on September 14, 2006. (See attached notes.)
- Lisa Ayers attended a Special Council Meeting held on September 18, 2006. (See attached notes.)

- Lisa Ayers attended the regularly scheduled Throop Borough Council Monthly Meeting on September 25, 2006. (See attached notes.)

SCHEDULE AND PERCENT COMPLETE

The attached CMI Schedule has been updated with actual dates on which the tasks were accomplished. Based on a review of actual expenditures through September 30, 2006 versus the Initial Cost Estimate, the CMI is less than 1% complete.

PROBLEMS ENCOUNTERED

As USEPA and PADEP approval of the CMI Work Plan, title notice and trust fund agreement has not yet been received, these activities could not be conducted in accordance with the schedule presented in the Work Plan. These activities will be conducted in accordance with the time frames presented in the schedule once approval is received.

PERSONNEL CHANGES

No personnel changes occurred during Third Quarter 2006.

ACTIONS PLANNED FOR FOURTH QUARTER 2006

CORRECTIVE MEASURES IMPLEMENTATION

The following activities are planned for Fourth Quarter 2006:

- Submit summary report for PDI mine fire boring activities.
- Conduct PDI soil sampling and stormwater basin borings following approval by USEPA and PADEP.
- Obtain USEPA and PADEP approval of the CMI Work Plan, title notice, trust fund agreement and Initial Cost Estimate.
- Continue preparation of the Preliminary (30%) Design.

SITE MAINTENANCE

The following activities are planned for Fourth Quarter 2006:

- Continue the weekly air monitoring program.
- Continue daily air monitoring until PDI mine fire borings are completed.
- Perform Fourth Quarter 2006 Stormwater Management Basin Performance Monitoring sampling for surface water and sediment.
- Submit results for Third Quarter Ambient Air Monitoring Report, including air monitoring conducted during PDI mine fire borings.
- Submit results for Third Quarter 2006 Stormwater Management Basin Performance Monitoring sampling for surface water and sediment.
- Submit results for decontamination pad holding tank.



COMMUNITY RELATIONS

The following activities are planned for Fourth Quarter 2006:

- **October 12, 2006** - Throop Borough Council Mid -Month Meeting
- **October 18, 2006** - Update Marjol Battery Site Web Site
- **October 30, 2006** - Regularly Scheduled Throop Borough Council Meeting
- **November 9, 2006** - Throop Borough Council Mid-Month Meeting
- **November 29, 2006** - Regularly Scheduled Throop Borough Council Meeting
- **December 14, 2006** - Throop Borough Council Mid-Month Meeting
- **December 27, 2006** - Regularly Scheduled Throop Borough Council Meeting

ANTICIPATED PROBLEMS

No problems are anticipated for Fourth Quarter 2006.

Barbara L. Forslund, P.E.
Project Coordinator

cc: Lisa Ayers, AGC
James Cronmiller, Gould
Leonard Zelinka, PADEP

Throop Borough Council
Louis Cimini, Throop Borough Solicitor
Ron Brezinski, PADEP

**CORRECTIVE MEASURES IMPLEMENTATION
THIRD QUARTER 2006 SCHEDULE**



Estimated time for construction is 17 months of construction with minimum winter shutdown of 120 days (December through March).

	Milestone		Projected Dates	Actual Dates
1)	Restart Letter Received	Actual	9/19/2005	9/19/2005
2)	Notice on Dispute	Actual	9/26/2005	9/26/2005
3)	Consent Order Rec'd	Actual	12/1/2005	12/1/2005
4)	Consent Order Signed	Actual	7/13/2006	7/13/2006
5)	Proj. Coord. And Consultant Notice	In Order	7/13/2006	7/13/2006
6)	Title Notice Submitted	due 30 days after 4)	8/14/2006	8/14/2006 (Draft)*
7)	Cost Estimates Submitted	due 30 days after 4)	8/14/2006	8/14/2006*
8)	CMI Work Plan Submitted	due 60 days after 4)	7/21/2006	7/21/2006*
9)	Financial Assurances Due	due 60 days after 4) or 60 days after approval of 7), whichever is later	11/10/2006 (assumed 30 days to approve 7)	
10)	CMI WP Approved	assumed 60 days after 8). Can approve PDI early (14 days)	9/19/2006 for entire WVP. 8/4/2006 for PDI	9/1/2006 (mine fire only)
11)	PDI Start	assumed 3 weeks after PDI Work Plan approval	8/28/2006	9/12/2006 (mine fire only)
12)	PDI Complete	assumed 3 weeks after 11)	9/18/2006	
13)	Prelim. Design Submitted	due 90 days after 12)	12/18/2006	
14)	Prelim. Design Comments	Assumed 45 days after 13)	2/1/2007	
15)	Revised Cost Estimate	due on 2/15/2007	2/15/2007	
16)	90% Design Submitted	due 90 days after 14)	5/2/2007	
17)	Request for Bid Issued	assumed 2 weeks after 16)	5/16/2007	
18)	90% Design Approved with Comments	Assumed 30 days after 16)	6/1/2007	
19)	100% Design Complete to Bidders and EPA	due 2 weeks after 18)	6/15/2007	
20)	100% Design Approval	assumed 2 weeks after 19)	6/29/2007	
21)	Final Title Notice Submitted	due 30 days after 20)	7/30/2007	
22)	Bids Received	due 3 weeks after 20)	7/20/2007	
23)	Award	assumed 2 weeks after 22)	8/3/2007	
24)	Notice of Contractor to EPA/DEP	Day after award	8/4/2007	
25)	Revised Cost Estimate	due on 8/15/2007	8/15/2007	
26)	Construction Start	assumed 2 weeks after award	8/20/2007	
27)	Revised Cost Estimate	due 60 days after 20)	8/28/2007	
28)	Revised Cost Estimate	due on 2/15/2008	2/15/2008	
29)	Revised Cost Estimate	due on 8/15/2008	8/15/2008	
30)	Revised Cost Estimate	due on 2/15/2009	2/15/2009	
31)	Construction Complete	See note above	7/20/2009	
32)	Revised Cost Estimate	due on 8/15/2009	8/15/2009	
33)	Submit CMI Report	due 90 days after 31)	10/19/2009	
34)	CMI Report Approved	assumed 30 days after 33)	11/18/2009	

NOTES

1. The dates in bold are committed dates for submissions. Other dates are assumed time frames for activities. The projected dates are thus minimum dates that depend on earlier dates meeting the schedule. The schedule assumes that the Borough permitting process will not extend the time frame for construction start.
2. * indicates that USEPA and PADEP approval of the submitted document has not yet been received.

MONTHLY SITE REPORTS

JULY 2006 SITE VISIT

JULY 2006 MONTHLY SITE VISIT REPORT

PROJECT:	Marjol Battery Site	PROJECT NO.:	92-002-MP
LOCATION:	Throop, Pennsylvania	DATE:	July 31, 2006
CLIENT:	Gould Electronics Inc.	WEATHER:	90°F Hazy
CONTRACTOR(S):	TEEM Environmental Services, ServiceMaster Cleaners		
AGCs REPRESENTATIVE:	Adam Doubleday		
CONTRACTORS REPRESENTATIVE:	Mike Reuther, Charles Azarsky, Larry Frable		
VISITORS ON-SITE:	None		
	SHEET:	1 of 2	

PROGRESS OF WORK:

The perimeter barrier around the high hazard stockpile is stable and intact. The sand bag ballast system holding down the cover on the high hazard stockpile is secure. There are no visible tears or punctures in the cover.

The perimeter barrier around the low hazard stockpile is stable. The surface of the stockpile is covered with grass and is stable, except for one groundhog hole on the south slope, near the jersey barriers, that TEEM is scheduled to fill in later today (7/31/2006). The silt fence across the front of the pile is stable and secure.

The landfill area appears stable and secure. The basin haul road is in good condition.

The chain-link fence around the mine fissure area and the perimeter fence are stable and intact. The North Woods Barrier fence is stable and secure.

There was no indication of human activity in the area of Smith samples S-1 and S-2 (the wooded area north of the Woodlawn Street playground).

There were signs of all-terrain vehicles traversing the path along the outside of the perimeter chain-link fence during the month of July.

The storm water management basin (SMB) is in good condition. The ancillary structures are stable and in good condition. The discharge pipe gate valve is slowly leaking clear water (~50 ml/min), but the SMB continues to operate as designed.

The Northeast vehicle gate area is stable and secure.

The vehicle decontamination pad is operational. However, the sump pump electrical outlet is damaged and TEEM will have to replace the outlet.

Both on-site rain gauges are working properly.

Securitas Security continued to patrol the perimeter fence.

JULY 2006 MONTHLY SITE VISIT REPORT
(Continued)



PROJECT:	<u>Marjol Battery Site</u>	PROJECT NO.:	<u>92-002-MP</u>
LOCATION:	<u>Throop, Pennsylvania</u>	DATE:	<u>July 31, 2006</u>
CLIENT:	<u>Gould Electronics Inc.</u>	WEATHER:	<u>90°F Hazy</u>
CONTRACTOR(S)	<u>TEEM Environmental Services, ServiceMaster Cleaners</u>		
AGCs REPRESENTATIVE:	<u>Adam Doubleday</u>		
CONTRACTORS REPRESENTATIVE:	<u>Mike Reuther, Charles Azarsky, Larry Frable</u>		
VISITORS ON-SITE:	<u>None</u>		
	SHEET:	<u>2 of 2</u>	

TEEM Environmental was on-site to perform the following tasks during July:

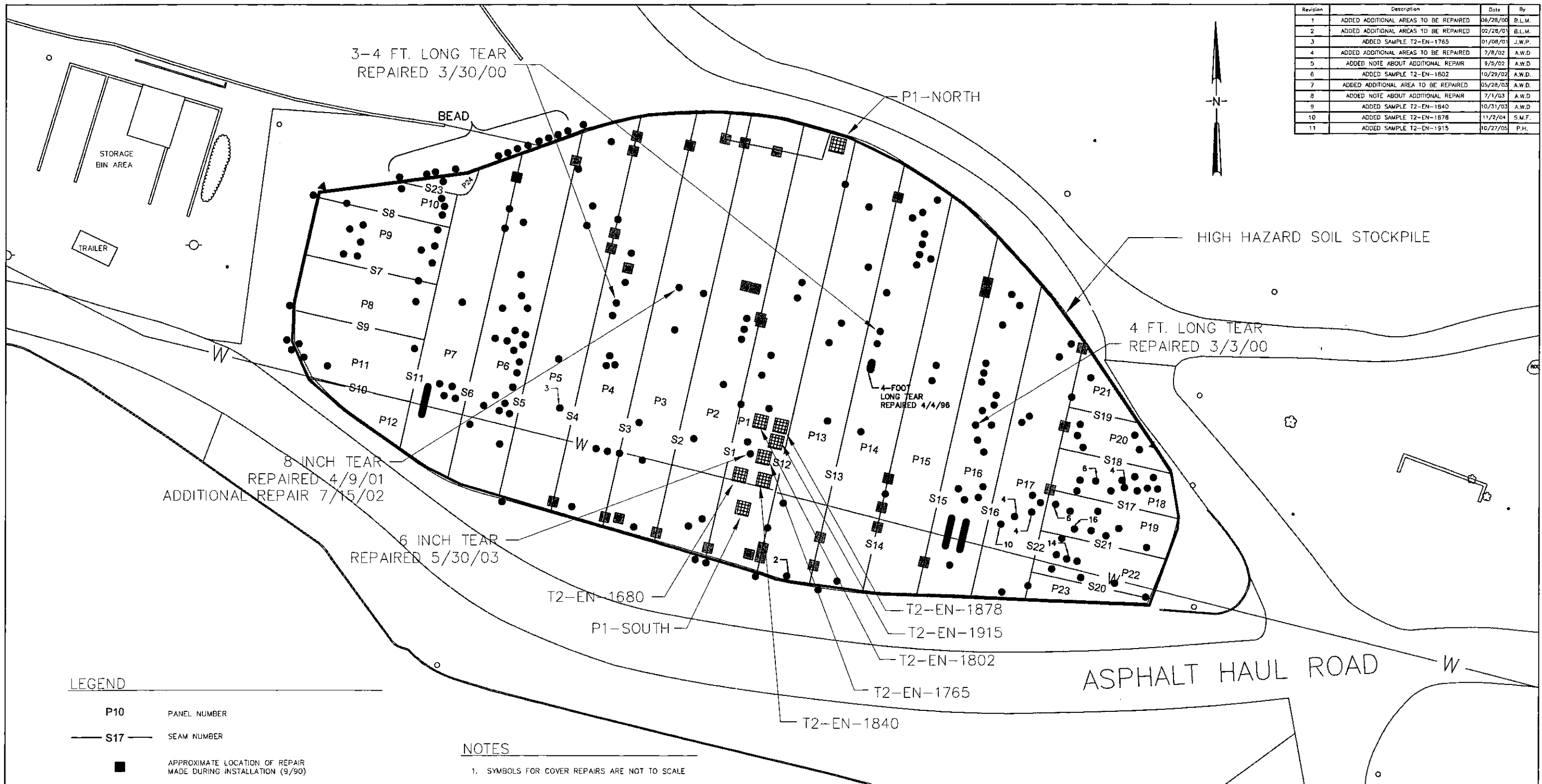
- July 13, 2006 – Repair roof fan in support trailer.
- July 14, 2006 - Cut and trim grass at residential areas.
- July 25, 2006 - Remove weeds growing on top of high hazard stockpile cover. Cover bare areas on low hazard stockpile with topsoil, seed and straw.
- July 26, 2006 – Repair roof on storage shed. Re-grade parking lot. Remove pieces of battery casing material from ground surface near northeast vehicle gate. Replace valve on discharge line from decontamination pad to holding tank. Repair silt fence on front edge of low hazard stockpile.
- July 31, 2006 – Place boxed core samples on poly sheeting near support trailers for review. Fill in ground hog hole in low hazard stockpile with gravel / slurry mixture.

HV air monitors #1, 2, 3, 4, 6, 7 were set up for operation on 7/3, 7/9, 7/15, 7/21, and 7/27/2006.

The site received 1.96" of precipitation in the month of July in the form of rain.

FIELD REPRESENTATIVE: Adam Doubleday REVIEWED BY: *But*

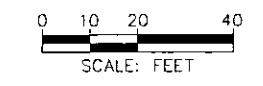
Revision	Description	Date	By
1	ADDED ADDITIONAL AREAS TO BE REPAIRED	06/28/00	B.L.M.
2	ADDED ADDITIONAL AREAS TO BE REPAIRED	02/28/01	B.L.M.
3	ADDED SAMPLE T2-EN-1765	01/08/01	J.W.P.
4	ADDED ADDITIONAL AREAS TO BE REPAIRED	7/8/02	A.W.D.
5	ADDED NOTE ABOUT ADDITIONAL REPAIR	9/5/02	A.W.D.
6	ADDED SAMPLE T2-EN-1802	10/29/02	A.W.D.
7	ADDED ADDITIONAL AREA TO BE REPAIRED	05/28/03	A.W.D.
8	ADDED NOTE ABOUT ADDITIONAL REPAIR	7/1/03	A.W.D.
9	ADDED SAMPLE T2-EN-1840	10/31/03	A.W.D.
10	ADDED SAMPLE T2-EN-1878	11/2/04	S.M.F.
11	ADDED SAMPLE T2-EN-1915	10/27/05	P.H.



LEGEND

P10	PANEL NUMBER
S17	SEAM NUMBER
■	APPROXIMATE LOCATION OF REPAIR MADE DURING INSTALLATION (9/90)
●	APPROXIMATE LOCATION OF REPAIRS MADE SINCE INSTALLATION (9/90 - 6/30/03)
▲	AREAS TO BE REPAIRED AS OF 6/30/03
10	NUMBER OF REPAIRS WITHIN A CONCENTRATED AREA
W	DISCONNECTED, GROUTED, WATER LINE
P1-NORTH	COVER SAMPLE LOCATION AND IDENTIFICATION NUMBER

- NOTES**
1. SYMBOLS FOR COVER REPAIRS ARE NOT TO SCALE
 2. THE HIGH HAZARD SOIL STOCKPILE COVER SYSTEM WAS INSTALLED BY RESICON CONTAINMENT INC. IN SEPTEMBER 1990.
 3. ALL REPAIRS HAVE ONLY BEEN TO THE HDPE COVER. THE UNDERLYING GEOTEXTILE FABRIC HAS NOT REQUIRED ANY REPAIRS SINCE INSTALLATION.



MARJOL BATTERY SITE
THROOP BOROUGH, LACKAWANNA COUNTY, PENNSYLVANIA

HIGH HAZARD SOIL STOCKPILE COVER PATCH LOCATION PLAN



Advanced GeoServices Corp.
1055 Andrew Drive Suite A
West Chester, Pennsylvania 19380
(610) 840-9100
FAX: (610) 840-9199

Scale: 1" = 40'
Originated By: B.L.M.
Drawn By: P.S.G.
Checked By: A.W.D.
Project Mgr: S.W.K.
Dwg No: 92002-04
Issued: NOV - 7 2006

Project No: 92-002-MP	FIGURE: 1
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AUGUST 2006 SITE VISIT

AUGUST 2006 MONTHLY SITE VISIT REPORT

PROJECT:	Marjol Battery Site	PROJECT NO.:	92-002-MP
LOCATION:	Throop, Pennsylvania	DATE:	August 28, 2006
CLIENT:	Gould Electronics Inc.	WEATHER:	75°F Overcast
CONTRACTOR(S):	None		
AGCs REPRESENTATIVE:	Matt Potter, Sue Fergesen		
CONTRACTORS REPRESENTATIVE:	None		
VISITORS ON-SITE:	None		
	SHEET:	1 of 2	

PROGRESS OF WORK:

The perimeter barrier around the high hazard stockpile is stable and intact. The sand bag ballast system holding down the cover on the high hazard stockpile is secure. There are no visible tears or punctures in the cover.

The perimeter barrier around the low hazard stockpile is stable. The surface of the stockpile is covered with grass and is stable. The silt fence across the front of the pile is stable and secure.

The landfill area appears stable and secure. The basin haul road is in fair condition.

The chain-link fence around the mine fissure area and the perimeter fence are stable and intact. The North Woods Barrier fence is stable and secure.

There was no indication of human activity in the area of Smith samples S-1 and S-2 (the wooded area north of the Woodlawn Street playground).

There were signs of all-terrain vehicles traversing the path along the outside of the perimeter chain-link fence during the month of August.

The storm water management basin (SMB) is in good condition. The ancillary structures are stable and in good condition. The discharge pipe gate valve is stable and secure and is not leaking.

The Northeast vehicle gate area is stable and secure.

The vehicle decontamination pad is operational. The sump pump electrical outlet was replaced and is working properly.

Both on-site rain gauges are working properly.

Securitas Security continued to patrol the perimeter fence.

AUGUST 2006 MONTHLY SITE VISIT REPORT

AUGUST 2006 MONTHLY SITE VISIT REPORT (Continued)



PROJECT:	<u>Marjol Battery Site</u>	PROJECT NO.:	<u>92-002-MP</u>
LOCATION:	<u>Throop, Pennsylvania</u>	DATE:	<u>August 28, 2006</u>
CLIENT:	<u>Gould Electronics Inc.</u>	WEATHER:	<u>75°F Overcast</u>
CONTRACTOR(S)	<u>None</u>		
AGCs REPRESENTATIVE:	<u>Matt Potter, Sue Fergesen</u>		
CONTRACTORS REPRESENTATIVE:	<u>None</u>		
VISITORS ON-SITE:	<u>None</u>		
	SHEET:	<u>2 of 2</u>	

TEEM Environmental was on-site to perform the following tasks during August:

- August 2, 2006 - Cut and trim grass at residential areas. Rewrap and replace boxed core samples in storage shed. Measure length of proposed roads on site.
- August 7, 2006 - Flush discharge pipe gate valve at SMB and check for leaks.
- August 8, 2006 - Replace door on support trailer. Replace electrical outlet at decontamination pad.
- August 10, 2006 - Cut and trim grass at residential areas. Install molding and paint trim on door at support trailer. Replace door knob on guard trailer door. Replace sump pump at decontamination pad.
- August 14,15,16,17,18, 21, 2006 - Cut and trim grass on site, at Sulphur Creek area, and at residential areas.
- August 21, 2006 - Place modified gravel at decontamination pad area and base of haul road.
- August 23, 2006 - Fill in ground hog holes in basin area with gravel / slurry mixture.
- August 25, 2006 - Fill in ground hog holes in landfill area with gravel / slurry mixture. Replace silt fencing in front of low hazard stockpile. Sweep site roadways.
- August 31, 2006 - Investigate electrical / lighting problems at the support trailer.

On August 28, 2006, AGC personnel collected the 3rd Quarter 2006 sediment samples as part of the Stormwater Management Basin Monitoring Plan.

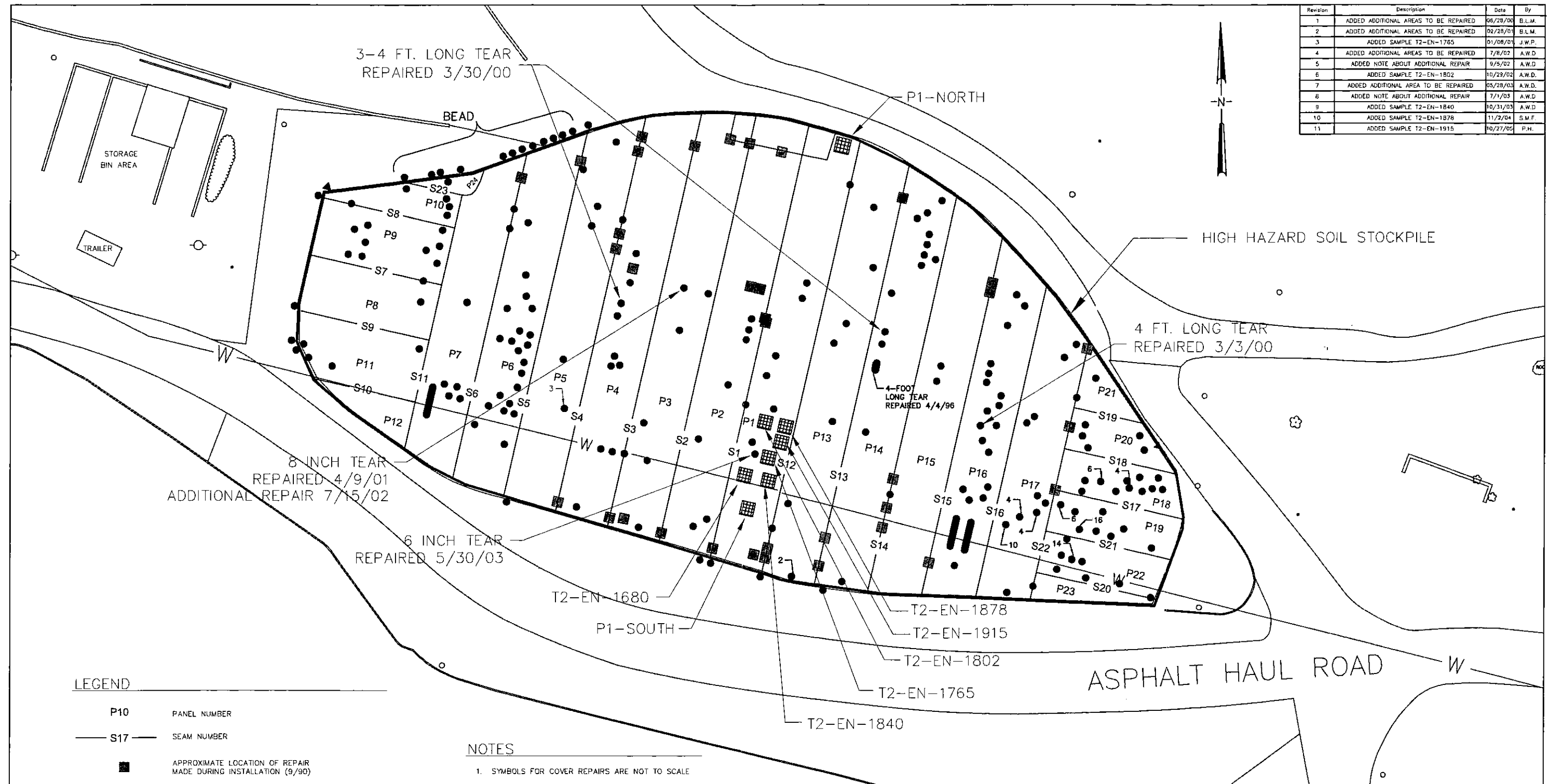
HV air monitors #1, 2, 3, 4, 6, 7 were set up for operation on 8/2, 8/8, 8/14, 8/20, and 8/26/2006.

The site received 4.08" of precipitation in the month of August in the form of rain.

FIELD REPRESENTATIVE: Matt Potter

REVIEWED BY: *mf*

Revision	Description	Date	By
1	ADDED ADDITIONAL AREAS TO BE REPAIRED	06/28/00	B.L.M.
2	ADDED ADDITIONAL AREAS TO BE REPAIRED	02/28/01	B.L.M.
3	ADDED SAMPLE T2-EN-1765	01/08/01	J.W.P.
4	ADDED ADDITIONAL AREAS TO BE REPAIRED	7/8/02	A.W.D.
5	ADDED NOTE ABOUT ADDITIONAL REPAIR	9/5/02	A.W.D.
6	ADDED SAMPLE T2-EN-1802	10/29/02	A.W.D.
7	ADDED ADDITIONAL AREA TO BE REPAIRED	05/28/03	A.W.D.
8	ADDED NOTE ABOUT ADDITIONAL REPAIR	7/1/03	A.W.D.
9	ADDED SAMPLE T2-EN-1840	10/31/03	A.W.D.
10	ADDED SAMPLE T2-EN-1878	11/2/04	S.M.F.
11	ADDED SAMPLE T2-EN-1915	10/27/05	P.H.

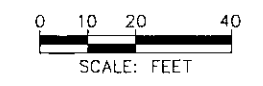


LEGEND

- P10 PANEL NUMBER
- S17 SEAM NUMBER
- APPROXIMATE LOCATION OF REPAIR MADE DURING INSTALLATION (9/90)
- APPROXIMATE LOCATION OF REPAIRS MADE SINCE INSTALLATION (9/90 - 6/30/03)
- ▲ AREAS TO BE REPAIRED AS OF 6/30/03
- 10 NUMBER OF REPAIRS WITHIN A CONCENTRATED AREA
- W DISCONNECTED, GROUTED, WATER LINE
- P1-NORTH COVER SAMPLE LOCATION AND IDENTIFICATION NUMBER

NOTES

1. SYMBOLS FOR COVER REPAIRS ARE NOT TO SCALE
2. THE HIGH HAZARD SOIL STOCKPILE COVER SYSTEM WAS INSTALLED BY RESICON CONTAINMENT INC. IN SEPTEMBER 1990.
3. ALL REPAIRS HAVE ONLY BEEN TO THE HDPE COVER. THE UNDERLYING GEOTEXTILE FABRIC HAS NOT REQUIRED ANY REPAIRS SINCE INSTALLATION.



MARJOL BATTERY SITE
THROOP BOROUGH, LACKAWANNA COUNTY, PENNSYLVANIA

HIGH HAZARD SOIL STOCKPILE COVER PATCH LOCATION PLAN

Scale: 1" = 40'
Originated By: B.L.M.
Drawn By: P.S.G.
Checked By: A.W.D.
Project Mgr: S.W.K.
Dwg No. 92002-04
Issued: NOV - 7 2006

Advanced GeoServices Corp.
1055 Andrew Drive Suite A
West Chester, Pennsylvania 19380
(610) 840-9100
FAX: (610) 840-9199

Project No. 92-002-MP	FIGURE: 1
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SEPTEMBER 2006 SITE VISIT

SEPTEMBER 2006 MONTHLY SITE VISIT REPORT

PROJECT:	Marjol Battery Site	PROJECT NO.:	92-002-MP
LOCATION:	Throop, Pennsylvania	DATE:	September 29, 2006
CLIENT:	Gould Electronics Inc.	WEATHER:	58°F Cloudy
CONTRACTOR(S):	ProSonic Corp.		
AGCs REPRESENTATIVE:	Lisa Ayers, Craig Petko		
CONTRACTORS REPRESENTATIVE:	Ben Grim, Larry Papenberg, Eric Pintinics, + 2 technicians		
VISITORS ON-SITE:	Ed Durburrow (Skelly & Loy), Charles Sutphen (Army Corps)		
	SHEET:	1 of 2	

PROGRESS OF WORK:

The perimeter barrier around the high hazard stockpile is stable and intact. The sand bag ballast system holding down the cover on the high hazard stockpile is secure. There are no visible tears or punctures in the cover.

The perimeter barrier around the low hazard stockpile is stable. The surface of the stockpile is covered with grass and is stable. The silt fence across the front of the pile is stable and secure.

The landfill area appears stable and secure. The basin haul road is in good condition.

The chain-link fence around the mine fissure area and the perimeter fence are stable and intact. The North Woods Barrier fence is stable and secure.

There was no indication of human activity in the area of Smith samples S-1 and S-2 (the wooded area north of the Woodlawn Street playground).

There were signs of all-terrain vehicles traversing the path along the outside of the perimeter chain-link fence during the month of September.

The storm water management basin (SMB) is in good condition. The ancillary structures are stable and in good condition. The discharge pipe gate valve is stable and secure and is not leaking.

There are a few pieces of battery casings near the northeast vehicle gate, these will be removed during the fall maintenance activities; otherwise the area is stable and secure.

The vehicle decontamination pad is operational, stable and secure.

Both on-site rain gauges are working properly.

Securitas Security continued to patrol the perimeter fence.

SEPTEMBER 2006 MONTHLY SITE VISIT REPORT

SEPTEMBER 2006 MONTHLY SITE VISIT REPORT (Continued)



PROJECT:	<u>Marjol Battery Site</u>	PROJECT NO.:	<u>92-002-MP</u>
LOCATION:	<u>Throop, Pennsylvania</u>	DATE:	<u>September 29, 2006</u>
CLIENT:	<u>Gould Electronics Inc.</u>	WEATHER:	<u>58°F Cloudy</u>
CONTRACTOR(S)	<u>ProSonic Corp.</u>		
AGCs REPRESENTATIVE:	<u>Lisa Ayers, Craig Petko</u>		
CONTRACTORS REPRESENTATIVE:	<u>Ben Grim, Larry Papenberg, Eric Pintinics, + 2 technicians</u>		
VISITORS ON-SITE:	<u>Ed Durburrow (Skelly & Loy), Charles Sutphen (Army Corps)</u>		
	SHEET:	<u>2 of 2</u>	

TEEM Environmental was on-site to perform the following tasks during September:

- September 1, 2006 - Cut and trim grass at residential areas. Repair lights / electric at support trailer.
- September 11, 2006 - Remove trees along haul road. Re-grade haul road.
- September 15, 2006 - Deliver pallets to site for drilling activities. Repair / replant grass at ruts made by drilling activities. Pump water from decontamination pad sump and remove sludge from bottom of sump pit. Place sludge in labeled drum. Stored drum at Drum Storage Area.
- September 20, 2006 - Repair / replant grass at ruts made by drilling activities. Remove trees along haul road. Repair silt fence and high visibility fencing at various locations on site.

On September 12, 2006, AGC began daily air monitoring at limited locations to monitor the drilling activities associated with the Pre Design Investigation. Samples are collected only when drilling activities are being performed. Preliminary sample results, collected from the first week of drilling, indicate that airborne lead concentrations were well below the National Ambient Air Quality Lead Standard of $1.5 \mu\text{g}/\text{m}^3$. Validated results will be submitted when the drilling activities are completed.

On September 18, 2006, AGC personnel collected the 3rd Quarter 2006 surface water samples as part of the Stormwater Management Basin Monitoring Plan.

On September 20, 2006, AGC personnel collected a sample from the west decontamination pad holding tank. Analytical results indicated that the lead concentration was less than the detection limit of $2 \mu\text{g}/\text{L}$ and the water was subsequently released to site.

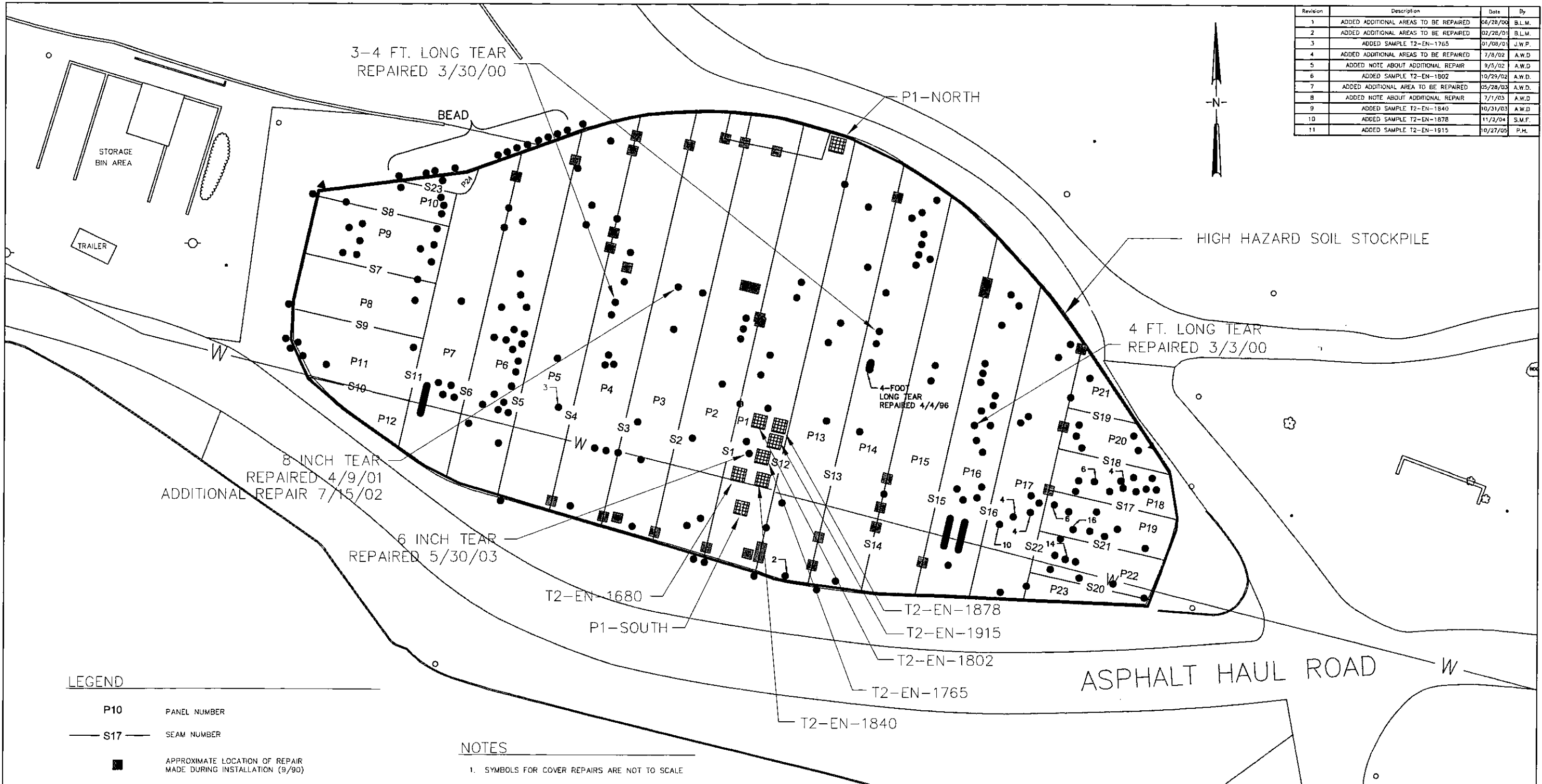
HV air monitors #1, 2, 3, 4, 6, 7 were set up for operation on 9/1, 9/7, 9/13, 9/19, and 9/25/2006.

The site received 5.42" of precipitation in the month of September in the form of rain.

FIELD REPRESENTATIVE: Lisa Ayers

REVIEWED BY: 

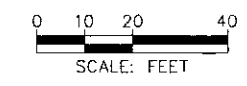
Revision	Description	Date	By
1	ADDED ADDITIONAL AREAS TO BE REPAIRED	06/28/00	B.L.M.
2	ADDED ADDITIONAL AREAS TO BE REPAIRED	02/28/01	B.L.M.
3	ADDED SAMPLE T2-EN-1765	01/08/01	J.W.P.
4	ADDED ADDITIONAL AREAS TO BE REPAIRED	7/8/02	A.W.D.
5	ADDED NOTE ABOUT ADDITIONAL REPAIR	9/5/02	A.W.D.
6	ADDED SAMPLE T2-EN-1802	10/29/02	A.W.D.
7	ADDED ADDITIONAL AREA TO BE REPAIRED	05/28/03	A.W.D.
8	ADDED NOTE ABOUT ADDITIONAL REPAIR	7/1/03	A.W.D.
9	ADDED SAMPLE T2-EN-1840	06/31/03	A.W.D.
10	ADDED SAMPLE T2-EN-1878	11/2/04	S.M.F.
11	ADDED SAMPLE T2-EN-1915	10/27/05	P.H.



LEGEND

- P10 PANEL NUMBER
- S17 SEAM NUMBER
- APPROXIMATE LOCATION OF REPAIR MADE DURING INSTALLATION (9/90)
- APPROXIMATE LOCATION OF REPAIRS MADE SINCE INSTALLATION (9/90 - 6/30/03)
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- 10 NUMBER OF REPAIRS WITHIN A CONCENTRATED AREA
- W DISCONNECTED, GROUTED, WATER LINE
- P1-NORTH COVER SAMPLE LOCATION AND IDENTIFICATION NUMBER

- NOTES**
1. SYMBOLS FOR COVER REPAIRS ARE NOT TO SCALE
 2. THE HIGH HAZARD SOIL STOCKPILE COVER SYSTEM WAS INSTALLED BY RESICON CONTAINMENT INC. IN SEPTEMBER 1990.
 3. ALL REPAIRS HAVE ONLY BEEN TO THE HDPE COVER. THE UNDERLYING GEOTEXTILE FABRIC HAS NOT REQUIRED ANY REPAIRS SINCE INSTALLATION.



MARJOL BATTERY SITE
THROOP BOROUGH, LACKAWANNA COUNTY, PENNSYLVANIA

HIGH HAZARD SOIL STOCKPILE COVER PATCH LOCATION PLAN

Scale: 1"=40'
Originated By: B.L.M.
Drawn By: P.S.G.
Checked By: A.W.D.
Project Mgr: S.W.K.
Dwg No. 92002-04
Issued: NOV - 7 2006

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West Chester, Pennsylvania 19380
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Project No. 92-002-MP	FIGURE: 1
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**SECOND QUARTER 2006
SITE STORMWATER MANAGEMENT BASIN
PERFORMANCE MONITORING REPORT
MARJOL BATTERY SITE
THROOP, PENNSYLVANIA**

**SECOND QUARTER 2006
AMBIENT AIR MONITORING REPORT
MARJOL BATTERY SITE
THROOP, PENNSYLVANIA**

Prepared For:

Gould Electronics
Eastlake, Ohio

Prepared By:

Advanced GeoServices Corp.
West Chester, Pennsylvania

November 7, 2006
92-002-120-03

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- B Orifice Transfer Standard Certification Worksheet
- C First Analytical Laboratories Data
- D Data Evaluation Checklists
- E Air Monitoring Program Checklists
- F Climatological Data

1.0 INTRODUCTION

Advanced GeoServices Corp. (AGC), of West Chester, Pennsylvania, was retained by Gould Electronics to perform continuous ambient air monitoring for lead concentrations at the Marjol Battery Site (Site) in Throop, Pennsylvania starting December 1, 1997. Prior to December 1997, ERD Environmental (ERD), of Pipersville, Pennsylvania was responsible for the set up and maintenance of the air samplers, collection of the air filters and monitoring of wind speed and direction data. The ambient air data presented in this report are for the 2nd Quarter of 2006.

To provide a profile of the ambient air lead concentrations on and surrounding the Site, a network of six high-volume samplers were run on a six day rotating sampling schedule. All sampling was simultaneous, with each event lasting approximately 24 hours. The air filters were collected weekly and sent monthly during April, May, and June to First Analytical Laboratories (FAL), Chapel Hill, North Carolina for lead analysis.

2.0 AMBIENT AIR SAMPLING PROCEDURES

2.1 SAMPLE COLLECTION

Sample collection was performed using the high-volume sampler method in accordance with 40 CFR 50, Appendix G. Samples are collected by drawing ambient air through a glass fiber filter at a rate of approximately 45 cubic feet per minute (CFM). The samplers are operated for a nominal 24 hour period. General Metal Works GMWS-2310 ACCU-VOL samplers are used. These samplers automatically control the sample flow rate to a referenced set point. Continuous flow recorders are used, as well as elapsed time indicators, to verify continuous rates and length of sampling time. Samplers are automatically started and stopped by an electrical timer.

2.2 SAMPLE LOCATIONS

Six high-volume samplers are located on and near the Site. The predominant wind direction is from the west and northwest. Two samplers are located in the predominant upwind direction, three samplers are located in the predominant downwind direction and one sampler is in the nearby town, Dickson City. The six monitoring locations are presented below and on the following map, Figure 1.

- HV-1 Northeast corner of the Site. This location is downwind of the battery casing material fill area when the wind is from the west and southwest.
- HV-2 Southeast corner of the Site. This location is downwind of the battery casing material fill area when the wind is from the west and northwest.
- HV-3 Southeast of battery casing material fill area inside the Site perimeter fence. This location is downwind of the battery casing material fill area when the wind is from the west and northwest.

- HV-4 Southwest corner of the Site. The location is predominantly upwind of the battery casing material fill area.
- HV-6 Northeast of storm water management basin inside the Site perimeter. This location is predominately upwind of the battery casing material fill area, but downwind of the storm water management basin.
- HV-7 Next to Dickson City Fire House approximately, one mile north of the Site. This location provides background data on ambient air lead concentrations.

2.3 SAMPLE IDENTIFICATION

Each filter collected was placed into a plastic bag and labeled. The sample label contained the following information:

- AGC project number;
- Date and time (military) of sample collection;
- Sample designation;
- Whether the sample is a grab or composite;
- Field representative(s) collecting the sample (Sampler); and,
- Analyses requested.

The sample designation consisted of the sample location (HV-1, HV-2, etc.) and sample run date (month, date, year) (example HV-2-062106).

2.4 SAMPLE CUSTODY

Once the samples were collected and the chain-of-custodies completed, the field representative maintained custody of the samples until the samples were transported to the AGC office in West Chester, Pennsylvania and transferred to AGC's Quality Assurance Scientist. AGC's Quality

Assurance Scientist maintained the custody of the samples until a complete month's worth of samples were collected and subsequently sent the samples (filters) via FED-EX to the laboratory (FAL). All transfers of custody of the samples were noted in the chain-of-custody records.

2.5 ANALYTICAL PROCEDURES

The samples were prepared according to SW-846 Method 3050B, which is a nitric acid digestion. One quarter of each sample (filter) was subjected to the digestion. Each digested sample was subsequently analyzed for lead in accordance with SW-846 Method 7421 (graphite furnace atomic absorption).

3.0 QUALITY ASSURANCE/QUALITY CONTROL

3.1 CALIBRATION PROCEDURES AND FREQUENCY

3.1.1 Field Sampler Calibration and Frequency

Each of the six high-volume samplers was calibrated at least once during the second quarter. Additionally, when maintenance was performed on a high-volume sampler, the sampler was recalibrated. The samplers were calibrated using a calibrated, certified orifice. The orifice pressure drop was used to set the sampler's internal mass flow meter to sample at a constant rate. The calibration worksheets are presented in Appendix A.

The sampling time for each high-volume sampler was verified upon the collection of the samples. The time of operation should be within $\pm 15\%$ of the total set sampling time of 24 hours. The Dickson disc recorder was also checked and each high-volume sampler should operate within ± 5 ft³/min of the calibrated flow rate. When either of these criteria was not met, corrective action was taken.

3.1.2 Orifice Calibration and Frequency

The Rootsmeter (s/n 9833620), Orifice ID 81K, was sent to Tisch Environmental, Village of Cleves, Ohio. The orifice was checked on February 14, 2006 for the annual performance calibration certification. The orifice transfer standard certification worksheet, TE-5025A, is presented in Appendix B.

3.1.3 Laboratory Instrument Calibration and Frequency

The filters were analyzed using graphite furnace atomic absorption methodology. Laboratory instruments were calibrated following the referenced SW-846 methodology. Initial calibrations were performed prior to sample analyses and instrument performance check standards were analyzed throughout the analytical run. A blank and four standards of known concentrations were used to

establish the calibration curve. The confirmation check sample was analyzed, at a minimum, after every ten samples.

3.2 DATA REDUCTION, VALIDATION AND REPORTING

The laboratory results were presented as total micrograms of lead present on the entire filter (lead content). Field blank contamination, when present, was subtracted from the measured lead content on each filter and the corrected value was used to calculate the total airborne lead concentration in micrograms per cubic meters ($\mu\text{g}/\text{m}^3$). The calculated total lead contents are reported on Table 1, Air Monitoring Results Summary. For each sample, the total airborne lead concentration was calculated as follows:

$$Pb \frac{\mu\text{g}}{\text{m}^3} = \frac{A - B}{T \times R}$$
$$R = \frac{45 \frac{\text{ft}^3}{\text{min}}}{\left(\frac{3.2806 \text{ ft}}{\text{m}}\right)^3} = 1.274 \frac{\text{m}^3}{\text{min}}$$

Where:

A = lead content (μg)

B = blank value (μg)

T = total time (min)

R = rate (m^3/min)

Validation of analytical data as received by the laboratory was performed by an AGC Quality Assurance Scientist. Validation was performed in accordance with the following data validation documents, where applicable:

- USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review. Office of Emergency and Remedial Response, USEPA, Washington D.C., February 1994.

- Region III Modifications to the Laboratory Data Validation Functional Guidelines for Evaluating Inorganic Analyses. USEPA Region III, Annapolis, MD. April 1993.

Data deliverables from the laboratory are included in Appendix C of this report. The laboratory deliverables include a results summary, QC summary for all laboratory QC samples and blanks, instrument raw data and chain-of-custodies. The Data Evaluation checklists completed upon validation of the laboratory deliverables are included in Appendix D.

3.3 INTERNAL QUALITY CONTROL CHECKS

A field blank was collected each month. The field blanks, filters from the same manufacturer and lot as the filters used to collect the samples, were analyzed with (and in the same manner) as the field samples. No lead contamination was present in any of the field blanks.

Laboratory method blanks were prepared using the same reagents and procedures as the samples and analyzed with each set of samples. No lead contamination was present in any of the laboratory method blanks.

Matrix spikes (MS) and matrix spike duplicate (MSD) samples were prepared by placing a known quantity of selected target analyte into a second aliquot of an actual field sample. At a minimum, one MS and MSD were prepared and analyzed with each set of samples. The MS and MSD recoveries were within acceptance limits.

Initial and continuing calibrations were performed throughout the analysis run to ensure accuracy. All of the associated initial and continuing calibration percent recoveries were within acceptable limits.

Laboratory replicate (duplicate) samples were analyzed with each set of samples. All laboratory replicates exhibited good reproducibility.

A laboratory control sample (LCS) was prepared by the laboratory by adding known concentrations of lead to DI water for analysis. One LCS was prepared, analyzed and reported for each set of samples. The LCS recoveries were all within acceptance criteria.

3.4 PREVENTATIVE MAINTENANCE

High-volume samplers are maintained in accordance with the manufacturer's instructions. All samplers were checked prior to installation in the field. Weekly, the high-volume sampler strip charts and timer run length were checked by a field technician to ensure continuous sample collection. The 2nd Quarter 2006 Air Monitoring Program Checklists are provided in Appendix E. All high-volume samplers are checked for total time of operation and flow rate. When the operation time or flow rate of a sampler is not within the defined acceptance ranges, preventative maintenance is performed. Preventative maintenance may include replacement of motor, replacement of pen, replacement of the entire high-volume sampler unit, adjustment of the Dickson recorder, etc. Specific maintenance performed is included on the Air Monitoring Program Checklists (Appendix E).

AGC has nine high-volume samplers (three of which are kept in storage). The six high-volume samplers which are in use are calibrated quarterly. The additional three high-volume samplers are available for use if a high-volume sampler in the field malfunctions and can not be repaired. Prior to use in the field, each new high-volume sampler is calibrated. The calibrations for the high-volume samplers are presented in Appendix A.

3.5 SPECIFIC ROUTINE PROCEDURES USED TO ASSESS DATA PRECISION, ACCURACY AND COMPLETENESS

The precision and accuracy of laboratory test results were acceptable. No lead contamination was present in the field blanks, method blanks, or calibration blanks. All laboratory duplicate results and MS/MSD results exhibited good reproducibility. Matrix spike and matrix spike duplicate results were within acceptance criteria. Initial and continuing calibration percent recoveries were within control limits.

The percent completeness was within the usability criteria of 90 percent. There were six instances where the sampler did not operate for a sufficient amount of time. In addition, there were three occasions in which the sampler time of operation exceeded the mean and standard deviation range and two instances when the monitor ran outside the 5ft³/minute calibrated flow rate. The percent completeness for this quarter was 93%.

3.6 CORRECTIVE ACTION

The following corrective actions were performed during the second quarter air monitoring sampling program for HV-1, HV-2, HV-3, HV-4, HV-6 and HV-7.

- HV-1

April 11, Timer adjusted for daylight savings time.

June 6, GFCI outlet on utility pole reset.

June 19, Rebuilt motor installed, calibration performed and flow rate adjusted.

- HV-2

April 11, Timer adjusted for daylight savings time.

April 11, Rebuilt motor installed, calibration performed and flow rate adjusted.

April 19, Rebuilt motor installed, calibration performed and flow rate adjusted.

April 19, GFCI outlet on utility pole reset.

June 6, GFCI outlet on utility pole reset.

- HV-3

April 11, Timer adjusted for daylight savings time.

June 12, Rebuilt motor installed, calibration performed and flow rate adjusted.

- HV-4

April 7, Quarterly calibration performed and flow rate adjusted.

April 11, Timer adjusted for daylight savings time.

June 6, Circuit breaker reset on main electrical panel.

- HV-6

April 11, Timer adjusted for daylight savings time.

June 12, Dickson recorder replaced, calibration performed and flow rate adjusted.

- HV-7

April 11, Timer adjusted for daylight savings time.

April 25, Quarterly calibration performed and flow rate adjusted.

June 26, Rebuilt motor installed, calibration performed and flow rate adjusted.

Other corrective action included adjusting the flow rate for the HV samplers when the actual flow rate was not consistent with the excel calibrated flow rate and installation of new ink pens. Refer to the Air Monitoring Program Checklists (Appendix E) for more detailed descriptions and dates of the corrective actions performed.

4.0 CLIMATOLOGICAL DATA

Climatological data are collected at the Site by way of an on-site weather station and the Northeast Regional Climate Center (NRCC). The Site weather station consists of a meteorological monitoring system manufactured by Met One Northwest, Grants Pass, Oregon and is located next to the main support trailer (Figure 1). This weather station provides the daily average temperature (°C) and the barometric pressure (in of Hg). When the site weather station is not recording data (due to electrical surges, power failures, etc.), daily average temperatures are obtained from the NRCC for the Wilkes Barre-Scranton Airport in Avoca, Pennsylvania. Wind speed and direction data are also obtained from the NRCC. The wind speed is recorded in miles per hour, while the direction is recorded in degrees. The direction recorded is the direction from which the wind is blowing. The Wilkes Barre-Scranton Airport is approximately 10 miles from the Site.

The wind speed and direction data for this quarter are presented on Table 2. The climatological data for the second quarter were obtained by AGC directly from the Site Weather Station and the Northeast Regional Climate Center. Ambient temperature charts are presented in Appendix F.

5.0 DATA SUMMARY

Data for April, May and June 2006 are presented in Table 1. The data from HV-4 on April 10 and June 3, 2006; HV-1 on June 3 and June 15, 2006; HV-2 on June 3, 2006; and HV-7 on June 21, 2006 is considered unusable due to insufficient run time. The data for HV-2 on April 16, 2006; and HV-3 on June 9 and June 15, 2006 is estimated due to the sampler operating for periods of time outside the acceptable time of operation range. The flow rate for HV-2 on April 4 and April 10, 2006 was outside the 5ft³/minute calibrated flow rate; the sample concentrations are considered estimated. All other results reported are acceptable as presented.

The range and average lead results for the 2nd Quarter 2006 data are as follows:

- Background (HV-7)

Range	0.002 - 0.014 $\mu\text{g}/\text{m}^3$
Average	0.005 $\mu\text{g}/\text{m}^3$

- Upwind (HV-4 and HV-6)

Range	0.001 - 0.014 $\mu\text{g}/\text{m}^3$
Average	0.005 $\mu\text{g}/\text{m}^3$

- Downwind (HV-1, HV-2 and HV-3)

Range	0.001 - 0.020 $\mu\text{g}/\text{m}^3$
Average	0.006 $\mu\text{g}/\text{m}^3$

During the 2nd Quarter 2006, all results were well below the National Ambient Air Quality Lead Standard of 1.5 $\mu\text{g}/\text{m}^3$.

TABLES

TABLE 1
AIR MONITORING RESULTS SUMMARY
2ND QUARTER - APRIL 2006

Sample Date	Collection Date	Sample Location	Filter Number	Timer Initial	Timer Final	Timer Units	Total Time (min)	Flow Rate (ft ³ /min)	Total Sample (m ³)	Lead Content (µg)	Blank Value (µg)	Corrected Lead Content (µg)	Total Lead (µg/m ³)	Q	
4/4/2006	4/7/2006	1	7754015	20039.2	20062.9	hrs	1423.8	45	1814.53	4.0	2.0 U	4	0.002	3	
4/4/2006	4/7/2006	2	7754016	6449.1	6473.3	hrs	1451.4	45	1849.71	5.8	2.0 U	5.8	0.003		
4/4/2006	4/7/2006	3	7754017	81403.5	82843.4	min	1439.9	45	1835.05	4.3	2.0 U	4.3	0.002		
4/4/2006	4/7/2006	4	7754019	2095.9	2119.8	hrs	1433.4	45	1826.77	4.0	2.0 U	4	0.002		
4/4/2006	4/7/2006	6	7754018	70438.4	71873.9	min	1435.5	45	1829.44	4.3	2.0 U	4.3	0.002		
4/4/2006	4/7/2006	7	7754020	15445.2	15469.0	hrs	1431.0	45	1823.71	5.8	2.0 U	5.8	0.003		
4/10/2006	4/11/2006	1	7754014	20062.9	20086.0	hrs	1385.4	45	1765.60	14.6	2.0 U	14.6	0.008	3	
4/10/2006	4/11/2006	2	7754013	6473.3	6497.3	hrs	1440.0	45	1835.18	22.8	2.0 U	22.8	0.012		
4/10/2006	4/11/2006	3	7754012	82843.4	84244.3	min	1400.9	45	1785.35	16.7	2.0 U	16.7	0.009		
4/10/2006	4/11/2006	4	7754011	2119.8	2119.8	hrs	1.2	45	1.53	2.0	2.0 U	2	NC		1
4/10/2006	4/11/2006	6	7754010	71873.9	73256.8	min	1382.9	45	1762.41	14.8	2.0 U	14.8	0.008		
4/10/2006	4/11/2006	7	7754009	15469.0	15492.7	hrs	1418.4	45	1807.65	9.4	2.0 U	9.4	0.005		
4/16/2006	4/19/2006	1	7754003	20086.0	20109.8	hrs	1426.2	45	1817.59	5.3	2.0 U	5.3	0.003	2	
4/16/2006	4/19/2006	2	7754004	6497.3	6505.8	hrs	513.0	45	653.78	2.3	2.0 U	2.3	0.004		
4/16/2006	4/19/2006	3	7754005	84244.3	85676.0	min	1431.7	45	1824.60	4.9	2.0 U	4.9	0.003		
4/16/2006	4/19/2006	4	7754007	2119.8	2144.0	hrs	1447.2	45	1844.36	5.0	2.0 U	5	0.003		
4/16/2006	4/19/2006	6	7754006	73256.8	74685.5	min	1428.7	45	1820.78	4.2	2.0 U	4.2	0.002		
4/16/2006	4/19/2006	7	7754008	15492.7	15517.0	hrs	1462.2	45	1863.47	5.5	2.0 U	5.5	0.003		
4/22/2006	4/25/2006	1	7750497	20109.8	20133.6	hrs	1431.6	45	1824.47	3.4	2.0 U	3.4	0.002		
4/22/2006	4/25/2006	2	7750498	6505.8	6529.9	hrs	1441.8	45	1837.47	4.2	2.0 U	4.2	0.002		
4/22/2006	4/25/2006	3	7750499	85676.0	87104.1	min	1428.1	45	1820.01	4.1	2.0 U	4.1	0.002		
4/22/2006	4/25/2006	4	7750495	2144.0	2167.9	hrs	1434.0	45	1827.53	5.8	2.0 U	5.8	0.003		
4/22/2006	4/25/2006	6	7750494	74685.5	76058.1	min	1372.6	45	1749.28	2.9	2.0 U	2.9	0.002		
4/22/2006	4/25/2006	7	7754002	15517.0	15540.7	hrs	1418.4	45	1807.65	4.8	2.0 U	4.8	0.003		
4/28/2006	5/2/2006	1	7750491	20133.6	20157.5	hrs	1431.0	45	1823.71	13.3	2.0 U	13.3	0.007		
4/28/2006	5/2/2006	2	7750492	6529.9	6553.9	hrs	1443.6	45	1839.77	6.8	2.0 U	6.8	0.004		
4/28/2006	5/2/2006	3	7750493	87104.1	88503.5	min	1399.4	45	1783.44	9.4	2.0 U	9.4	0.005		
4/28/2006	5/2/2006	4	7750495	2167.9	2191.8	hrs	1433.4	45	1826.77	6.8	2.0 U	6.8	0.004		
4/28/2006	5/2/2006	6	7750494	76058.1	77491.7	min	1433.6	45	1827.02	6.2	2.0 U	6.2	0.003		
4/28/2006	5/2/2006	7	7750496	15540.7	15564.6	hrs	1436.4	45	1830.59	6.4	2.0 U	6.4	0.003		

Notes:

Q - Qualifier.

U / ND - The analyte is not detected.

Timer Units are minutes (min) or seconds (sec).

1 Insufficient sample run time.

2 Sample run time outside the 15 % time of operation tolerance limits.

3 Flow rate was outside the 5ft³/minute calibrated flow rate.

NC - Not calculable

TABLE 1 (continued)
 AIR MONITORING RESULTS SUMMARY
 2ND QUARTER - MAY 2006

Sample Date	Collection Date	Sample Location	Filter Number	Timer Initial	Timer Final	Timer Units	Total Time (min)	Flow Rate (ft ³ /min)	Total Sample (m ³)	Lead Content (µg)	Blank Value (µg)	Corrected Lead Content (µg)	Total Lead (µg/m ³)	Q
5/4/2006	5/9/2006	1	7750484	20157.5	20181.6	hrs	1448.4	45	1845.88	18.4	2.0 U	18.4	0.010	
5/4/2006	5/9/2006	2	7750485	6553.9	6577.9	hrs	1440.0	45	1835.18	21.8	2.0 U	21.8	0.012	
5/4/2006	5/9/2006	3	7750486	88503.5	89945.4	min	1441.9	45	1837.60	20.1	2.0 U	20.1	0.011	
5/4/2006	5/9/2006	4	7750488	2191.8	2215.6	hrs	1433.4	45	1826.77	16.0	2.0 U	16	0.009	
5/4/2006	5/9/2006	6	7750487	77491.7	78950.5	min	1458.8	45	1859.14	15.4	2.0 U	15.4	0.008	
5/4/2006	5/9/2006	7	7750489	15564.6	15588.9	hrs	1455.0	45	1854.30	18.0	2.0 U	18	0.010	
5/10/2006	5/11/2006	1	7750478	20181.6	20205.5	hrs	1435.2	45	1829.06	11.7	2.0 U	11.7	0.006	
5/10/2006	5/11/2006	2	7750479	6577.9	6601.9	hrs	1440.0	45	1835.18	12.9	2.0 U	12.9	0.007	
5/10/2006	5/11/2006	3	7750480	89945.4	91397.9	min	1452.5	45	1851.11	11.5	2.0 U	11.5	0.006	
5/10/2006	5/11/2006	4	7750482	2215.6	2239.5	hrs	1433.4	45	1826.77	13.4	2.0 U	13.4	0.007	
5/10/2006	5/11/2006	6	7750481	78950.5	80373.1	min	1422.6	45	1813.00	11.2	2.0 U	11.2	0.006	
5/10/2006	5/11/2006	7	7750483	15588.9	15612.7	hrs	1430.4	45	1822.94	13.2	2.0 U	13.2	0.007	
5/16/2006	5/17/2006	1	7750472	20205.5	20229.8	hrs	1457.4	45	1857.35	8.6	2.0 U	8.6	0.005	
5/16/2006	5/17/2006	2	7750473	6601.9	6625.9	hrs	1440.0	45	1835.18	9.1	2.0 U	9.1	0.005	
5/16/2006	5/17/2006	3	7750474	91397.9	92809.3	min	1411.4	45	1798.73	9.1	2.0 U	9.1	0.005	
5/16/2006	5/17/2006	4	7750476	2239.5	2263.4	hrs	1433.4	45	1826.77	13.6	2.0 U	13.6	0.007	
5/16/2006	5/17/2006	6	7750475	80373.1	81852.6	min	1479.5	45	1885.52	9.0	2.0 U	9	0.005	
5/16/2006	5/17/2006	7	7750477	15612.7	15636.8	hrs	1444.2	45	1840.53	10.4	2.0 U	10.4	0.006	
5/22/2006	5/25/2006	1	7750471	20229.8	20253.9	hrs	1443.6	45	1839.77	5.4	2.0 U	5.4	0.003	
5/22/2006	5/25/2006	2	7750470	6625.9	6649.9	hrs	1440.0	45	1835.18	4.6	2.0 U	4.6	0.003	
5/22/2006	5/25/2006	3	7750469	92809.3	94268.7	min	1459.4	45	1859.90	5.2	2.0 U	5.2	0.003	
5/22/2006	5/25/2006	4	7750468	2263.4	2287.3	hrs	1434.0	45	1827.53	8.6	2.0 U	8.6	0.005	
5/22/2006	5/25/2006	6	7750467	81852.6	83351.3	min	1498.7	45	1909.99	4.8	2.0 U	4.8	0.003	
5/22/2006	5/25/2006	7	7750466	15636.8	15660.2	hrs	1405.8	45	1791.59	7.1	2.0 U	7.1	0.004	
5/28/2006	5/30/2006	1	7750461	20253.9	20277.2	hrs	1399.2	45	1783.18	31.2	2.0 U	31.2	0.017	
5/28/2006	5/30/2006	2	7750462	6649.9	6673.9	hrs	1440.6	45	1835.94	27.5	2.0 U	27.5	0.015	
5/28/2006	5/30/2006	3	7750463	94268.7	95715.5	min	1446.8	45	1843.85	36.6	2.0 U	36.6	0.020	
5/28/2006	5/30/2006	4	7750465	2287.3	2311.2	hrs	1433.4	45	1826.77	26.4	2.0 U	26.4	0.014	
5/28/2006	5/30/2006	6	7750464	83351.3	84781.4	min	1430.1	45	1822.56	25.8	2.0 U	25.8	0.014	
5/28/2006	5/30/2006	7	7750460	15660.2	15683.9	hrs	1419.0	45	1808.42	26.1	2.0 U	26.1	0.014	

Notes:

Q - Qualifier.

U / ND - The analyte is not detected.

Timer Units are minutes (min) or seconds (sec).

1 Insufficient sample run time.

2 Sample run time outside the 15 % time of operation tolerance limits.

3 Flow rate was outside the 5ft³/minute calibrated flow rate.

NC - Not calculable

TABLE 1 (continued)
AIR MONITORING RESULTS SUMMARY
2ND QUARTER - JUNE 2006

Sample Date	Collection Date	Sample Location	Filter Number	Timer Initial	Timer Final	Timer Units	Total Time (min)	Flow Rate (ft ³ /min)	Total Sample (m ³)	Lead Content (µg)	Blank Value (µg)	Corrected Lead Content (µg)	Total Lead (µg/m ³)	Q
6/3/2006	6/6/2006	1	7750453	20277.2	20277.2	hrs	0.0	45	0.00	ND	2.0 U	ND	NC	1
6/3/2006	6/6/2006	2	7750454	6673.9	6673.9	hrs	0.0	45	0.00	ND	2.0 U	ND	NC	1
6/3/2006	6/6/2006	3	7750455	95715.5	97128.7	min	1413.2	45	1801.02	8.0	2.0 U	8	0.004	
6/3/2006	6/6/2006	4	7750457	2311.2	2311.2	hrs	0.0	45	0.00	2.1	2.0 U	2.1	NC	1
6/3/2006	6/6/2006	6	7750456	84781.4	86258.1	min	1476.7	45	1881.95	7.6	2.0 U	7.6	0.004	
6/3/2006	6/6/2006	7	7750458	15683.9	15707.6	hrs	1426.8	45	1818.36	8.0	2.0 U	8	0.004	
6/9/2006	6/12/2006	1	7750447	20277.2	20301.5	hrs	1458.6	45	1858.88	12.9	2.0 U	12.9	0.007	
6/9/2006	6/12/2006	2	7750448	6673.9	6697.9	hrs	1440.0	45	1835.18	3.8	2.0 U	3.8	0.002	
6/9/2006	6/12/2006	3	7750449	97128.7	98609.6	min	1080.0	45	1376.38	3.9	2.0 U	3.9	0.003	2
6/9/2006	6/12/2006	4	7750451	2311.2	2335.1	hrs	1433.4	45	1826.77	4.4	2.0 U	4.4	0.002	
6/9/2006	6/12/2006	6	7750450	86258.1	87658.1	min	1400.0	45	1784.20	5.1	2.0 U	5.1	0.003	
6/9/2006	6/12/2006	7	7750452	15707.6	15732.0	hrs	1460.4	45	1861.18	4.4	2.0 U	4.4	0.002	
6/15/2006	6/19/2006	1	7750441	20301.5	20325.5	hrs	240.0	45	305.86	2.5	2.0 U	2.5	NC	1
6/15/2006	6/19/2006	2	7750442	6697.9	6721.9	hrs	1440.0	45	1835.18	6.4	2.0 U	6.4	0.003	
6/15/2006	6/19/2006	3	7750443	98609.6	104730.2	min	6120.6	45	7800.28	110.0	2.0 U	110	0.014	2
6/15/2006	6/19/2006	4	7750445	2335.1	2359.0	hrs	1433.4	45	1826.77	9.1	2.0 U	9.1	0.005	
6/15/2006	6/19/2006	6	7750444	87658.1	89130.1	min	1472.0	45	1875.96	7.5	2.0 U	7.5	0.004	
6/15/2006	6/19/2006	7	7750446	15732.0	15756.2	hrs	1450.8	45	1848.94	10.6	2.0 U	10.6	0.006	
6/21/2006	6/26/2006	1	7750435	20325.5	20349.2	hrs	1422.0	45	1812.24	14.9	2.0 U	14.9	0.008	
6/21/2006	6/26/2006	2	7750436	6721.9	6745.9	hrs	1440.0	45	1835.18	16.3	2.0 U	16.3	0.009	
6/21/2006	6/26/2006	3	7750437	4730.2	6198.7	min	1468.5	45	1871.50	13.6	2.0 U	13.6	0.007	
6/21/2006	6/26/2006	4	7750439	2359.0	2382.9	hrs	1434.0	45	1827.53	16.8	2.0 U	16.8	0.009	
6/21/2006	6/26/2006	6	7750438	89130.1	90592.6	min	1462.5	45	1863.85	17.2	2.0 U	17.2	0.009	
6/21/2006	6/26/2006	7	7750440	15756.2	15779.7	hrs	390.0	45	497.03	12.2	2.0 U	12.2	NC	1
6/27/2006	6/30/2006	1	7750429	20349.2	20372.7	hrs	1411.8	45	1799.24	3.0	2.0 U	3	0.002	
6/27/2006	6/30/2006	2	7750430	6745.9	6769.9	hrs	1440.0	45	1835.18	2.1	2.0 U	2.1	0.001	
6/27/2006	6/30/2006	3	7750431	6198.7	7588.6	min	1389.9	45	1771.33	ND	2.0 U	ND	NC	
6/27/2006	6/30/2006	4	7750433	2382.9	2406.8	hrs	1433.4	45	1826.77	2.7	2.0 U	2.7	0.001	
6/27/2006	6/30/2006	6	7750432	90592.6	92033.7	min	1441.1	45	1836.58	2.7	2.0 U	2.7	0.001	
6/27/2006	6/30/2006	7	7750434	15779.7	15803.7	hrs	1436.4	45	1830.59	ND	2.0 U	ND	NC	

Notes:

Q - Qualifier.

U / ND - The analyte is not detected.

Timer Units are minutes (min) or seconds (sec).

1 Insufficient sample run time.

2 Sample run time outside the 15 % time of operation tolerance limits.

3 Flow rate was outside the 5ft³/minute calibrated flow rate.

NC - Not calculable

TABLE 2
WIND SPEED AND DIRECTION SUMMARY
2ND QUARTER 2006

DATE SAMPLED	WINDSPEED (MPH)	WIND DIRECTION (DEGREES)
4/4/2006	12.2	312
4/10/2006	4.0	130
4/16/2006	11.4	356
4/22/2006	8.2	68
4/28/2006	9.0	18
5/4/2006	4.1	206
5/10/2006	4.4	92
5/16/2006	6.3	244
5/22/2006	12.8	318
5/28/2006	3.6	78
6/3/2006	6.9	344
6/9/2006	4.1	298
6/15/2006	7.3	338
6/21/2006	5.5	183
6/27/2006	5.4	200

The degree and compass point correlations are:

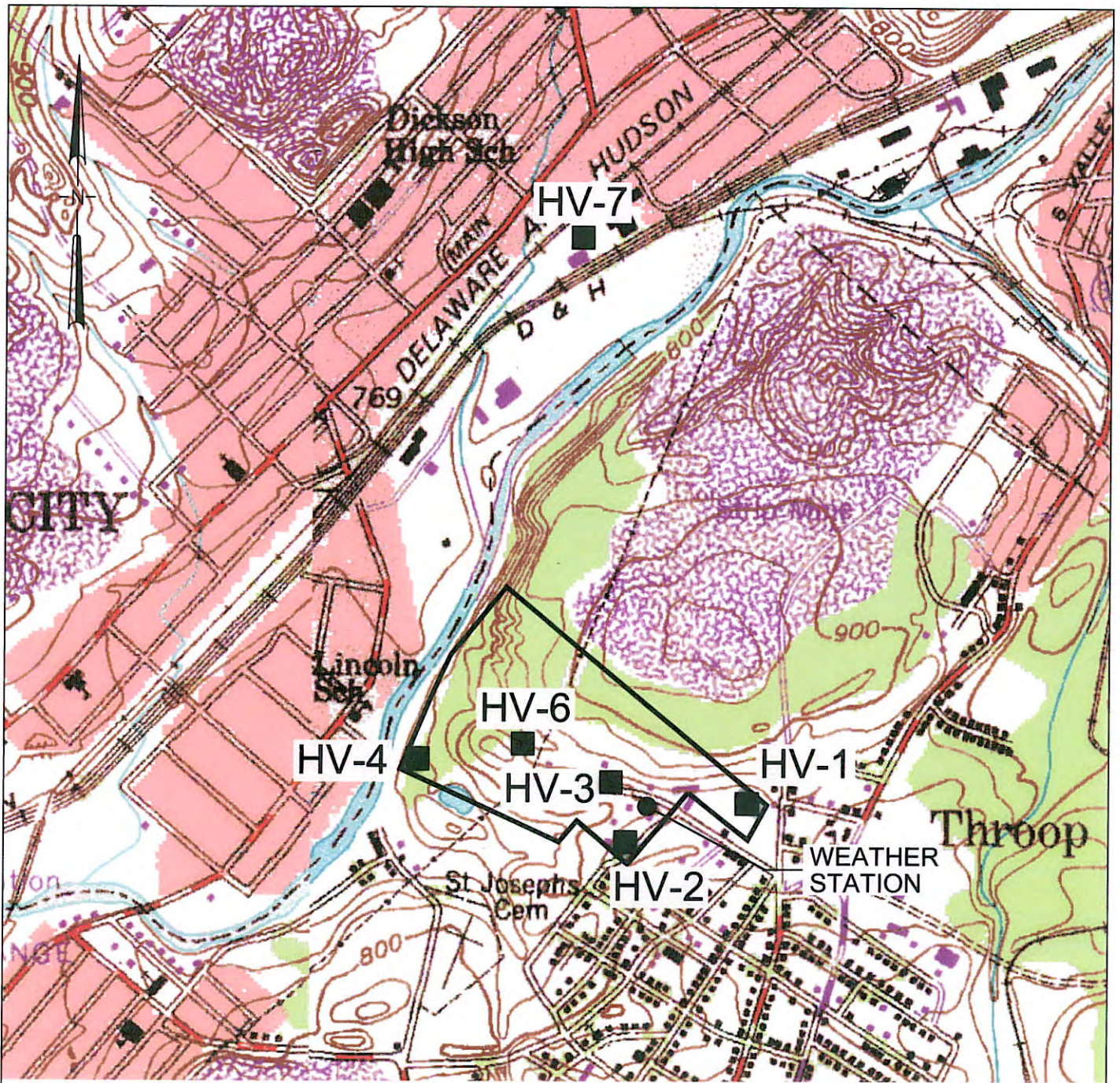
0 degrees	-	North
45 degrees	-	Northeast
90 degrees	-	East
135 degrees	-	Southeast
180 degrees	-	South
225 degrees	-	Southwest
270 degrees	-	West
315 degrees	-	Northwest

Note:

Wind speed is an average daily value.

Wind direction is a daily average of 24 hourly values. Each hourly value is a 2-minute average taken approximately 10 minutes before the top of the hour and is the direction the wind is blowing from.

FIGURE



LEGEND


■ - HIGH VOLUME SAMPLER LOCATION

Basemap Source:
 U.S.G.S. 7.5 minute quadrangles
 of Olyphant and Scranton Pennsylvania,
 dated 1946, photorevised 1983.



MARJOL BATTERY SITE

THROOP BOROUGH, LACKAWANNA COUNTY, PENNSYLVANIA

Scale: 1"=1000'	HIGH VOLUME SAMPLER LOCATIONS	
Originated By: A.W.D.		
Drawn By: S.M.F.	 Advanced GeoServices Corp. 1055 Andrew Drive, Suite A West Chester, Pennsylvania 19380 (610) 840-9100 FAX: (610) 840-9199	
Checked By: A.W.D.		
Project Mgr: B.L.F.		
Dwg No. 92002-17		
ISSUED: NOV - 7 2006	Project No. 92-002-MP	FIGURE: 1

**SECOND QUARTER 2006
SITE STORMWATER MANAGEMENT BASIN
PERFORMANCE MONITORING REPORT
MARJOL BATTERY SITE
THROOP, PENNSYLVANIA**

November 7, 2006

92-002-103

Ms. Maureen Essenthier (3WC22)
USEPA - Region III
1650 Arch Street
Philadelphia, PA 19103-2029

RE: Marjol Battery Site Stormwater Management Basin Performance Monitoring
2006 Second Quarter Sample Results

Dear Ms. Essenthier:

Advanced GeoServices Corp. (AGC) on behalf of Gould Electronics (Gould) is pleased to present the 2006 second quarter results for the Marjol Battery Site (Site) located in Throop Borough, Pennsylvania. Performance monitoring requirements are outlined in the Site Stabilization and Stormwater Management Plan and were amended April 1, 1991 in the Lackawanna River and Sedimentation Basin Monitoring Report, and in the Responses to United States Environmental Protection Agency (USEPA), Pennsylvania Department of Environmental Protection (PADEP) and Throop Borough comments for the RCRA Facility Investigation Report, dated October 22, 1993 in concurrence with the USEPA. The performance monitoring includes the collection of a stormwater sample taken from the Stormwater Management Basin (SMB) prior to discharging the detained stormwater, and surface water sampling at four locations in the Lackawanna River during the SMB discharge event. In addition, sediment samples are collected from the SMB and the Lackawanna River. The sample locations are shown on the attached Figure SMBP-1.

Surface Water and Stormwater Sampling Results

The second quarter stormwater basin and surface water samples were collected on June 6, 2006 and analyzed for total and dissolved lead by EPA Method 200.8. All surface water locations had total and dissolved lead concentrations below the detection limit of 2 µg/l.

The results are summarized in Table 1. The validated SMB surface water sample results are also presented in the Attachment. All results are consistent with historical results collected from the Lackawanna River and the SMB.



Ms. Maureen Essenthier
November 7, 2006
92-002-103
Page 2 of 2

Sediment Sampling Results

The second quarter SMB sediment samples were collected on April 19, 2006 and analyzed for total lead by USEPA SW-846 Method 6020. The rip-rap channel plunge pool (T2-EN-1930), the last filter berm (T2-EN-1928), and the center of the SMB (T2-EN-1929) sample results were 407 milligrams per kilogram (mg/kg), 26 mg/kg, and 205 mg/kg, respectively. The rip-rap channel plunge pool, the last filter berm, and the SMB discharge riser results are consistent with historic concentrations. A summary of the historic SMB sediment sample results is presented in Table 2. The validated laboratory SMB sediment sample results are also presented in the Attachment.

Sediment samples from the Lackawanna River were collected on April 19, 2006 and analyzed for total lead by USEPA SW-846 Method 6020. The background concentrations in the upstream (L48-09/10 and L48-11) and downstream (L48-01) locations ranged from 17 mg/kg to 23 mg/kg and averaged 20 mg/kg. The sample result for the most downstream location was 23 mg/kg (L48-01). Sediment sample results for locations L48-02, L48-03/04, L48-05, L48-06, L48-07, and L48-08, immediately south of the Sulphur Creek and Lackawanna River confluence had lead concentrations ranging from 21 mg/kg to 132 mg/kg. Lead concentrations at these sample locations were consistent with historical data collected from past river sediment sampling activities. A summary of the Lackawanna River sediment sample results are presented in Table 3. The validated laboratory sediment sample results are also presented in the attachment.

Please contact the undersigned at 610-840-9145 if you have any questions regarding this data.

Sincerely,

ADVANCED GEOSERVICES CORP.

Barbara L. Forslund, P.E.
Project Manager

BLF:vm

Enclosures

cc: Len Zelinka, PADEP
James F. Cronmiller, Gould
Lisa Ayers, AGC

Throop Borough Council
Louis Cimini, Throop Borough Solicitor
Ron Brezinski, PADEP

TABLES

Table 1
Summary of 2006 Second Quarter Surface Water
and Stormwater Sample Results

2006 2nd Quarter Sample Number	Location	Sample Results (µg/l)	
		Total Lead	Dissolved Lead
T2-EN-1931	Stormwater Management Basin	<2	<2
T2-EN-1932	Boulevard Ave. (= 1900 feet downstream of Sulphur Creek)	<2	<2
T2-EN-1933	680 ft. upstream of Sulphur Creek	<2	<2
T2-EN-1934	1350 ft. upstream of Sulphur Creek	<2	<2
T2-EN-1935	2350 ft. upstream of Sulphur Creek	<2	<2

Table 2
Summary of SMB Sediment Sampling Results

	Sample Event	Rip-Rap Channel Plunge Pool Sample Number/Last Filter Berm/Sedimentation Basin Sample Number	Total Lead Concentrations (mg/kg)		
			Rip-Rap Channel Plunge Pool	Last Filter Berm	Sedimentation Basin
1991	1 st Quarter	T2-EN-547/T2-EN-548	57	29	(1)
	2 nd Quarter	T2-EN-522/T2-EN-551	32	23	(1)
	3 rd Quarter	T2-EN-568/T2-EN-569	25	18	(1)
	4 th Quarter	T2-EN-1073/T2-EN-1074	180	39	(1)
1992	1 st Quarter	NS/NS	NS	NS	(1)
	2 nd Quarter	T2-EN-581/T2-EN-580	1500/930	29	(1)
	3 rd Quarter	T2-EN-588/T2-EN-587	330	11	(1)
	4 th Quarter	T2-EN-1308/T2-EN-1307	1400/1440	20	(1)
1993	1 st Quarter	T2-EN-1334/T2-EN-1333	136	12	(1)
	2 nd Quarter	T2-EN-1336/T2-EN-1335	443	33	(1)
	3 rd Quarter	T2-EN-1352/T2-EN-1353	39	21	(1)
	4 th Quarter	T2-EN-1371/T2-EN-1370	4	24	(1)
1994	1 st Quarter	T2-EN-1381/T2-EN-1380	690	39	(1)
	2 nd Quarter	T2-EN-1395/T2-EN-1396	970	15	(1)
	3 rd Quarter	T2-EN-1397/T2-EN-1398	236	31	(1)
	4 th Quarter	T2-EN-1415/T2-EN-1414	290	36	(1)
1995	1 st Quarter	NS/T2-EN-1424	NS	58	(1)
	2 nd Quarter	T2-EN-1427/T2-EN-1428	270	16	(1)
	3 rd Quarter	T2-EN-1441/T2-EN-1440	1200	19	(1)
	4 th Quarter	T2-EN-1443/T2-EN-1442	58.5	27.1	(1)
1996	1 st Quarter	T2-EN-1459/T2-EN-1458	93	14	(1)
	2 nd Quarter	T2-EN-1466/T2-EN-1467	840	42	(1)
	3 rd Quarter	T2-EN-1478/T2-EN-1477	260	28	(1)
	4 th Quarter	T2-EN-1492 /T2-EN-1491	400	31	(1)
1997	1 st Quarter	T2-EN-1499/T2-EN-1500	1100	17	(1)
	2 nd Quarter	T2-EN-1502/T2-EN-1501	440	24	(1)
	3 rd Quarter	T2-EN-1513/T2-EN-1512	140	17	(1)
	4 th Quarter	----	NS	NS	(1)
1998	1 st Quarter	T2-EN-1533/T2-EN-1532/ T2-EN-1534	2800	120	120
	2 nd Quarter	T2-EN-1541/T2-EN-1542/ T2-EN-1543	20	14	210
	3 rd Quarter	T2-EN-1601/T2-EN-1600/	340	120	270

Table 2
Summary of SMB Sediment Sampling Results
(Continued)

	Sample Event	Rip-Rap Channel Plunge Pool Sample Number/Last Filter Berm/Sedimentation Basin Sample Number	Total Lead Concentrations (mg/kg)		
			Rip-Rap Channel Plunge Pool	Last Filter Berm	Sedimentation Basin
		T2-EN-1602			
	4 th Quarter	T2-EN-1648/T2-EN-1647/ T2-EN-1646	320	10	530
1999	1 st Quarter	T2-EN-1656/T2-EN-1655/ T2-EN-1657	510	110	190
	2 nd Quarter	T2-EN-1660/T2-EN-1659 T2-EN-1661	2700	32	340
	3 rd Quarter	T2-EN-1669/T2-EN-1688 T2-EN-1670	12	54	180
	4 th Quarter	T2-EN-1682/T2-EN-1681/ T2-EN-1683	48	27	38
2000	1 st Quarter	T2-EN-1697/T2-EN-1696/ T2-EN-1698	1930	96	180
	2 nd Quarter	T2-EN-1711/T2-EN-1710/ T2-EN-1709 (T2-EN-1712)	310	21	150 (130)
	3 rd Quarter	T2-EN-1714/T2-EN-1713 T2-EN-1715	220	39	190
	4 th Quarter	T2-EN-1725/T2-EN-1724 (T2-EN-1735)/T2-EN-1726	96	39 (21)	890
2001	1 st Quarter	T2-EN-1744/T2-EN-1743 T2-EN-1745	2300	140	190
	2 nd Quarter	T2-EN-1752/T2-EN-1753 T2-EN-1754	250	14	450
	3 rd Quarter	T2-EN-1762/T2-EN-1763 T2-EN-1764	2200	65	280
	4 th Quarter	T2-EN-1772/T2-EN-1775 T2-EN-1774	220	200	130
2002	1 st Quarter	T2-EN-1776/T2-EN-1775 T2-EN-1777	3700	300	130
	2 nd Quarter	T2-EN-1791/T2-EN-1790 T2-EN-1792	330	46	130
	3 rd Quarter	T2-EN-1799/T2-EN-1800 T2-EN-1801	1300	110	220
	4 th Quarter	T2-EN-1804/T2-EN-1803 T2-EN-1805	190	19	160

Table 2
Summary of SMB Sediment Sampling Results
(Continued)

	Sample Event	Rip-Rap Channel Plunge Pool Sample Number/Last Filter Berm/Sedimentation Basin Sample Number	Total Lead Concentrations (mg/kg)		
			Rip-Rap Channel Plunge Pool	Last Filter Berm	Sedimentation Basin
2003	1 st Quarter	T2-EN-1819 T2-EN-1818 (T2-EN-1821) T2-EN-1820	1150	150/121	220
	2 nd Quarter	T2-EN-1829/T2-EN-1828 T2-EN-1830	490	22	99
	3 rd Quarter	T2-EN-1837/T2-EN-1838 T2-EN-1839	100	12	350
	4 th Quarter	T2-EN-1848/T2-EN-1847 T2-EN-1846	36	190	130
2004	1 st Quarter	T2-EN-1856/T2-EN-1855 T2-EN-1857	59	200	110
	2 nd Quarter	T2-EN-1860/T2-EN-1858 T2-EN-1859	64	370	240
	3 rd Quarter	T2-EN1876/T2-EN-1875 T2-EN-1874	230	370	160
	4 th Quarter	T2-EN-1887/T2-EN-1885 T2-EN-1886	790	44	120
2005	1 st Quarter	T2-EN-1890/T2-EN-1888 T2-EN-1889	2300	16	245
	2 nd Quarter	T2-EN-1899, T2-EN-1897 T2-EN-1898	2,300	42	170
	3 rd Quarter	T2-EN-1908, T2-EN-1906 T2-EN-1907	580	170	210
	4 th Quarter	T2-EN-1918, T2-EN-1916 T2-EN-1917	320J	77J	270J
2006	1st Quarter	T2-EN-1927, T2-EN-1925, T2-EN-1926	43	220	180
	2nd Quarter	T2-EN-1930, T2-EN-1928, T2-EN-1929	407	26	205

Notes:

(1) = USEPA did not request sample collection from this location until the 1st Quarter of 1998.

NS = Not sampled

**Table 3
Summary of Lackawanna River Sediment Sample Results**

2006 2nd Quarter Sample Number	Sample Location ¹	Depth of Sample (Inch)	1 st Qtr 1998	2 nd Qtr 1998	3 rd Qtr 1998	4 th Qtr 1998	1 st Qtr ⁽¹²⁾ 1999	2 nd Qtr 1999	3 rd Qtr 1999	4 th Qtr 1999	1 st Qtr 2000	2 nd Qtr 2000	3 rd Qtr 2000	4 th Qtr 2000	1 st Qtr 2001	2 nd Qtr 2001	3 rd Qtr 2001	4 th Qtr 2001	1 st Qtr 2002	2 nd Qtr 2002	3 rd Qtr 2002	4 th Qtr 2002	1 st Qtr 2003	2 nd Qtr 2003	3 rd Qtr 2003	4 th Qtr 2003	1 st Qtr 2004	2 nd Qtr 2004	3 rd Qtr 2004	4 th Qtr 2004	
L48-01	= 1600 ft. downstream of Sulphur Creek	0 - 3	NS ⁶	37	59	39	31	29	30	17	NS ⁶	NS ⁶	70	42	24	31	62	23	270	19	27	28	NS ⁶	17	25	26	48	31	33	32	
L48-02	= 115 ft. downstream of Sulphur Creek	0 - 3	NS ⁶	47	21	36	21	28	22	52	NS ⁶	NS ⁶	25	NS ⁶	40	NS ⁶	42	33	<56	25	140	66	NS ⁶	78	22	28	22	28	24	81	
L48-03	= 30 ft. downstream of Sulphur Creek	0 - 3	NS ⁶	140J	200J	56	1110 (860) ¹²	440	100	415	NS ⁶	NS ⁶	55	NS ⁶	110	270J	58	140	83	25	110J	39	NS ⁶	15J	20	64	43	40J	26J	670J	
L48-04 ⁴	= 30 ft. downstream of Sulphur Creek	0 - 3	NS ⁶	430J	430J	89	3474 (490) ¹²	710	230	250	NS ⁶	NS ⁶	91	NS ⁶	140	22J	70	180	91	51	46J	45	NS ⁶	290J	14	49	29	480J	39J	280J	
L48-05	= 45 ft. downstream of Sulphur Creek (at stormwater pipe outfall)	0 - 3	NS ⁶	200	130	140	520 (590) ¹²	330	170	135	240	160	320	110	140	76	260	46	120	94	470	120	NS ⁶	31	820	61	73	130	100	45	
L48-06	= 12 ft. downstream of Sulphur Creek (= 10 ft. from east bank of Lackawanna River)	0 - 3	NS ⁶	980	145	290	117	190	100	135	NS ⁶	NS ⁶	94	NS ⁶	290	96	110	40	130	41	110	75	NS ⁶	51	23	45	24	180	97	40	
L48-07	= 12 ft. downstream of Sulphur Creek (center of Lackawanna River)	0 - 3	NS ⁶	520	35	16	25	32	22	21	NS ⁶	NS ⁶	18	NS ⁶	29	8	40	47	<40	16	71	53	NS ⁶	34	21	60	28	36	22	40	
L48-08	= 9 ft. downstream of Sulphur Creek	0 - 3	NS ⁶	440	305	80	1430 (1100) ¹²	500	190	220	NS ⁶	NS ⁶	160	NS ⁶	160	170	160	71	<60	28	43	210	NS ⁶	28	32	340	31	63	34	120	
L48-09	= 850 ft. upstream of Sulphur Creek	0 - 3	NS ⁶	25	20	29	37	45	19	24	NS ⁶	NS ⁶	27	NS ⁶	27	27	<13	22	<30	18	26	33	NS ⁶	21J	23	30	33J	24	23	29	
L48-10 ⁵	= 850 ft. upstream of Sulphur Creek	0 - 3	NS ⁶	25	22	27	20	26	26	20	NS ⁶	NS ⁶	27	NS ⁶	21	22	28	33	<35	50	23	40	NS ⁶	32J	26	37	60J	28	33	31	
L48-11	= 1550 ft. upstream of Sulphur Creek	0 - 3	NS ⁶	84	20	26	41	31	54	44	NS ⁶	NS ⁶	40	NS ⁶	69	27	26	34	<48	18	32	56	NS ⁶	18	27	25	20	24	25	22	
L26-12 ¹³	= 1 ft. out from the bank of the Lackawanna River and at the center of Sulphur Creek												NS ⁶																		

2006 2nd Quarter Sample Number	Sample Location ¹	Depth of Sample (Inch)	1 st Qtr. 2005	2 nd Qtr. 2005	3 rd Qtr. 2005	4 th Qtr. 2005	1 st Qtr. 2006	2 nd Qtr. 2006
L48-01	= 1600 ft. downstream of Sulphur Creek	0 - 3	40	36	43	40J	18	23
L48-02	= 115 ft. downstream of Sulphur Creek	0 - 3	27	69	64	34J	19	21
L48-03	= 30 ft. downstream of Sulphur Creek	0 - 3	20	43	68	43J	76	132
L48-04 ⁴	= 30 ft. downstream of Sulphur Creek	0 - 3	25	49	95	35J	51	57
L48-05	= 45 ft. downstream of Sulphur Creek (at stormwater pipe outfall)	0 - 3	23	45	74	85J	49	49
L48-06	= 12 ft. downstream of Sulphur Creek (= 10 ft. from east bank of Lackawanna River)	0 - 3	45	31	56	79J	100	14
L48-07	= 12 ft. downstream of Sulphur Creek (center of Lackawanna River)	0 - 3	24	31	28	28J	31	16
L48-08	= 9 ft. downstream of Sulphur Creek	0 - 3	90	46	31	40J	28	28
L48-09	= 850 ft. upstream of Sulphur Creek	0 - 3	32	20	22	30J	29	21
L48-10 ⁵	= 850 ft. upstream of Sulphur Creek	0 - 3	31	26	32	20J	23	17
L48-11	= 1550 ft. upstream of Sulphur Creek	0 - 3	18	24	51	26J	36	14

Notes: All results reported in mg/kg

J Estimated result

¹ Distance from Sulphur Creek is measured from the approximate centerline of the creek.

⁴ Sample LXX-04 is a duplicate sample of LXX-03.

⁵ Sample LXX-10 is a duplicate sample of LXX-09.

⁶ NS - Not sampled due to elevated water levels and velocities

⁸ NA - Not applicable

⁹ NS - Not analyzed because the sample container broke during shipment to the laboratory.

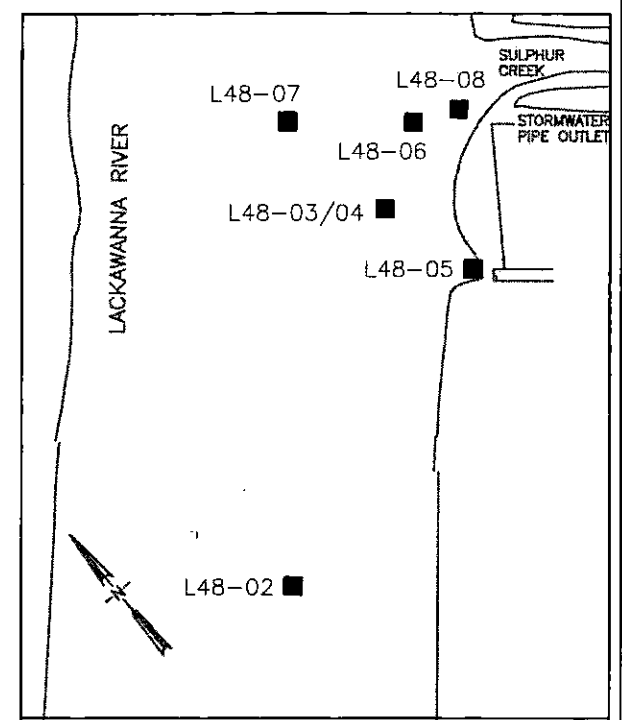
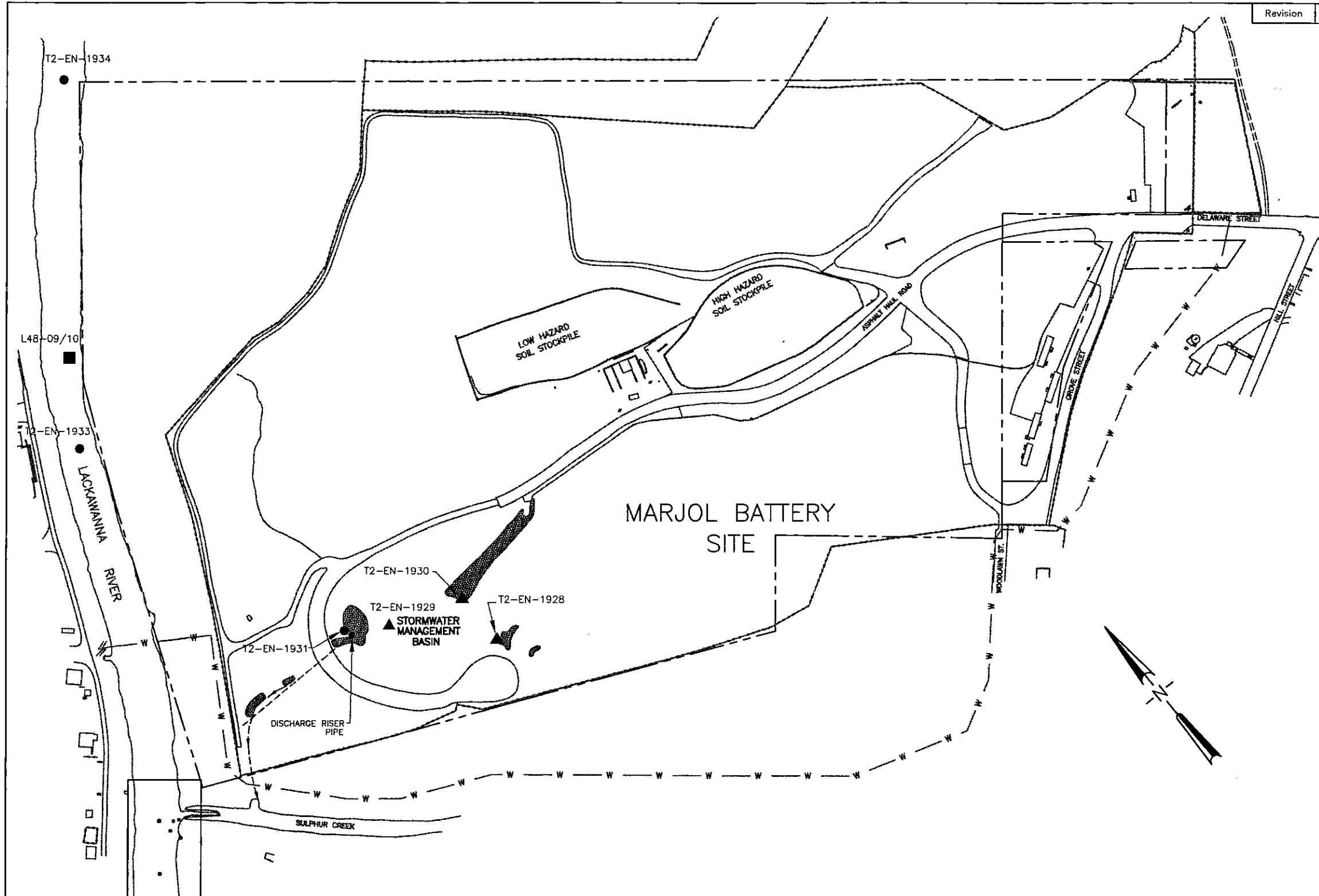
¹² Results in parenthesis represent the samples re-analysis results.

¹³ Sample location LXX-12 was added fourth quarter 2000 only.

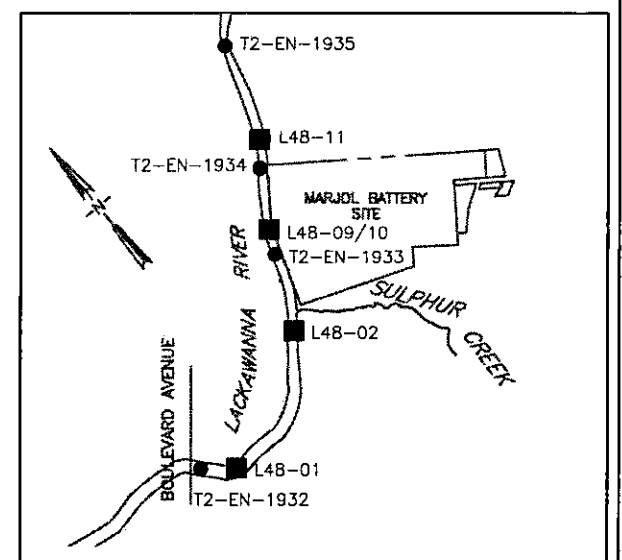


FIGURE

Revision	Description	Date	By
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SCALE 1" = 40' INSET No.1



NOT TO SCALE OVERVIEW No.1

LEGEND

	DISCHARGE CHANNEL
	18 - INCH DIAMETER DISCHARGE PIPE
	PROPERTY BOUNDARY
	FENCE LINE
	WATER LINE
	LACKAWANNA RIVER SEDIMENT SAMPLE LOCATION
	SURFACE WATER SAMPLE LOCATION
	STORMWATER MANAGEMENT BASIN PERFORMANCE MONITORING SEDIMENT SAMPLE LOCATION
	RIP RAP

- NOTES:**
- Ground control for February 1992 aerial survey, property line, and utility information based on surveys performed by:
George Dunda Associates
221 Barnard Street
Dunmore, PA 18512
 - Details concerning topography and physical features are shown on the "Current Conditions Plan".
 - This plan is based on information available at the time it was prepared. Actual conditions determined later may vary.

MARJOL BATTERY SITE
THROOP BOROUGH, LACKAWANNA COUNTY, PENNSYLVANIA.

**2006 SECOND QUARTER
SURFACE WATER AND SEDIMENT
SAMPLING LOCATION PLAN**

Advanced GeoServices Corp.
1055 Andrew Drive Suite A
West Chester, Pennsylvania 19380
(610) 840-9100
FAX: (610) 840-9199

Scale: 1" = 200'
Originated By: M.P.
Drawn By: M.P.
Checked By: A.W.D.
Project Mgr: B.L.F.
Dwg No. 92002-MP-16
ISSUED NOV - 7 2006

Project No. 92-002-MP	FIGURE: SMBP-1
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THROOP BOROUGH COUNCIL
MEETING NOTES

NOTES FROM THROOP BOROUGH COUNCIL
July 13, 2006 (Special Monthly Meeting)

**NOTES FROM THROOP BOROUGH COUNCIL
SPECIAL MONTHLY MEETING**

July 13, 2006

Council Members :

James Barnick - Vice President
Joseph Barone
Cindy Johnson - **absent**
Thomas Lukasewicz - President
George Marushock - **absent**
John Musewicz
Tony Chrzan

Additional Borough Representatives:

Attorney Louis Cimini (Solicitor)
Stanley Lukowski (Mayor)
Elaine Morrell (Chief Clerk/Treasurer)
Christina Sullivan (Secretary)
Lenore Dolan (Assistant Treasurer) – **absent**

ANNOUNCEMENTS:

“An Executive Session was held this evening at 5:30 p.m. to discuss legal and personnel matters.”

“A Louder Mill Hearing was held Tues., July 11, 2006 at 5:00 p.m.”

“A meeting will be held with EPA regarding Marjol on either August 28 or August 30, 2006. Senator Arlen Specter and Congressman Paul Kanjorski will be present at the meeting.”

“The monthly work sessions/meetings for the months of July and August will be held on the last Thursday of the month beginning at 6:30 p.m. (July 27 and August 31.)”

AUDIENCE COMMENTS ON THE AGENDA:

There were no audience comments on the agenda.

THE MEETING:

- * A motion was passed, “To ratify the sale of the 1984 GMC bucket truck to Ken Sosnowski for parts for \$300.00.” (All in favor.)
- * A motion was passed, “To authorize the 4th quarterly payment in the amount of \$812.50 to (PMPS) Pennsylvania Municipal Pension Services from the assets of the Non-Uniform Pension Fund.” (All in favor.)
- * A motion was passed, “To donate \$200.00 to the Third Annual Mayor Rocco Valvano Memorial Tank to Tank Walk. The walk will begin at the Tank on South Blakely Street in Dunmore and end at Memorial Park in Jessup.” (All in favor.)

- * A motion was passed, "To transfer \$25,000.00 from the Warsaw Playground Escrow Account to Andy Summa, as per the Solicitor Louis A. Cimini's recommendation and deed requirement." (All in favor.)

MOTIONS NOT ON THE WRITTEN AGENDA:

- * A motion was passed, to suspend Officer Eric Viola for ten (10) working days without pay for just cause effective July 14, 2006. Mr. Viola will return to his position as a full time Throop Borough Police Officer on July 28, 2006. (All in favor.)
- * A motion was passed, "To allocate \$30,000 to Throop Hose Co. #1 to help defray the costs of their new ladder/pumper truck; also to allocate the balance of their yearly allotment (2nd allotment) in the amount of \$15,000 upon receipt of the host municipal 2nd quarter, 2006 check." (All in favor.)
- * A motion was passed, "To accept the Letter of Intent from Tiffany Estates regarding the acceptance of the roads and the storm water detention system along the northwesterly boundary line of the development. The proposed system shall be similar to Spott's preliminary design. If any problems arise in the future, they are the responsibility of the developer, if any situation should occur. Once the draining situation is entirely rectified and completed and as-builts are provided to Throop Borough, acceptance by Ordinance will be granted." (All in favor.) "On the question", Mr. Lukasewicz asked that the motion include that once the piping is finished, the Borough completely accept Tiffany Estates. It was noted that is the only outstanding issue.
- * A motion was passed to advertise an Ordinance to grant conditional approval of the streets/paved road surfaces in School Side Estates. The conditional approval is solely for delivery of mail, plowing of streets/paved surfaces and pickup of garbage/recycling. (All in favor.)
- * A motion was passed to allocate \$5,000 for fireworks for Throop's Night Out. (All in favor.) "On the question, Chief Furiosi expressed his appreciation for the donation.

OFFICIAL COMMENTS

- * Joe Barone commented regarding odors from the sewer plant.
- * John Musewicz commented regarding the monument for the 2003 Champion Girls Softball Team.

AUDIENCE COMMENTS ON NEW BUSINESS

- * Dave Morrell, member of Throop Hose Co. #1, thanked Council for the money allocated for its new ladder/pumper truck.

NOTES FROM THROOP BOROUGH COUNCIL
July 27, 2006 (Monthly Meeting)

**NOTES FROM THROOP BOROUGH COUNCIL
MONTHLY MEETING**

July 27, 2006

Council Members :

James Barnick - Vice President
Joseph Barone
Cindy Johnson
Thomas Lukasewicz - President
George Marushock - **absent**
John Musewicz
Tony Chrzan

Additional Borough Representatives:

Attorney Louis Cimini (Solicitor)
Stanley Lukowski (Mayor)
Elaine Morrell (Chief Clerk/Treasurer)
Christina Sullivan (Secretary)
Lenore Dolan (Assistant Treasurer)

PRESENTATION:

Mayor Lukowski and Throop Borough Officials presented a "Certificate of Honor" plaque to Tim Shelton for his courageousness in preventing serious injury to one of Throop's police officers.

ANNOUNCEMENTS:

"The monthly work session/meeting for the month of August will be held on the last Thursday of the month beginning at 6:30 p.m. (August 31st)."

"EPA will conduct a public meeting Wednesday, August 30, 2006 at 6:00 p.m. to discuss the Marjol Battery Site."

Tom Lukasewicz noted that there would be some activity and noise around Marjol in the near future with the drilling that was going to be going on. He stated that hopefully there would be a good turn out for the meeting on August 30th and said that it was possible that work could get started this time next year on the Final Remedy. Mayor Lukowski said there were a lot of questions about what was going to be done with the Site. Tom Lukasewicz noted that a consent order has been signed by EPA, DEP and Gould indicating that the Site was moving forward toward actual cleanup.

"The Annual Night Out will be held Tuesday, August 1, 2006 at the Washington Street Park. Parade at 7:00 p.m. Festivities at the park include hamburgers, hot dogs, games, rides and fireworks."

It was announced that a meeting would be held with residents of School Side Estates on Monday, July 31 at 6:00 p.m. to discuss all concerns regarding the development.

AUDIENCE COMMENTS ON THE AGENDA:

There were no audience comments on the agenda.

THE MEETING:

- * Bids for the Borough's property located at 401 George Street in Throop (corner of George St. and Meade St.) were opened. A motion was passed, "To accept the bids for the corner of George and Meade Street (401 George Street) and to award the bid to the highest bidder." (All in favor.) Carmelo Riotta had the highest bid. It was discussed that Mr. Riotta would be required to execute an agreement of sale and to comply with its terms within 10 days. It was noted that an easement would be included in the agreement of sale. "On the question," Mr. Barone asked what the cost was to demolish the building. Mr. Barnick said it cost \$8,800.00.
- * Bids were opened for the new Department of Public Works (DPW) building. A motion was passed to reject all bids submitted and to award the contract to Jerry Ganz, Inc., Scranton, at a price of \$1,268,000.00 from the bid received June 26, 2006 and to proceed as soon as possible. (Johnson against; rest in favor.) "On the question", Mr. Lukasewicz explained that Council tried to make the DPW building affordable for the people of Throop. Council tried breaking the construction of the DPW building into separate items for bid, but the sum of all of the lowest bids was still higher than Jerry Ganz, Inc.'s original bid to do the complete project.
- * A motion was passed, "To accept the monthly zoning report and the minutes of the June 26th, June 29th and July 13th council meetings." (All in favor.)
- * A motion was passed, "To pay all the employees of Throop Borough." (Barnick abstained on paying his daughter; rest in favor of paying all the employees of Throop Borough.)
- * A motion was passed, "To ratify the quarterly loan payment to FNCB in the amount of \$55,047.09." (All in favor.)
- * A motion was passed, "To purchase a Sunny Day Fund CD in the amount of \$136,445.43 at FNCB for a 15 month term with an annual yield of 5.25%. This represents 10% of the quarterly host municipal landfill check in the amount of \$68,426.92 plus \$68,018.51 from a Sunny Day Fund CD that matures on 7/29/06. (This was the best rate available.)" (All in favor.)
- * A motion was passed, "To authorize payment #5, final bill, to IWDA in the amount of \$32,041.94 from the Capital Projects account for the Eddy, Franko, Delaware Streets Sanitary Sewer Project." (All in favor.)
- * A motion was passed, "To authorize payment #2 to IWDA in the amount of \$45,197.68 from the Capital Projects Account for the Eddy, Franko, Delaware Streets Storm Project." (All in favor.)

- * A motion was passed, "To authorize payment #2, final bill, to IWDA in the amount of \$1,332.95 from the Capital Projects Account for the George St. Stormwater Sewer Project." (All in favor.)
- * A motion was passed, "To adopt Throop Borough Ordinance #7, an Ordinance Granting Conditional Approval of the Streets/Paved Road Surfaces in School Side Estates. The conditional approval is solely for delivery of mail, plowing of streets/paved surfaces and pick up of garbage/recycling and also for school bus service." (All in favor.) "On the question", Tom Lukasewicz stated he was hesitant to grant this approval, but he felt this had to be done for the citizens.
- * A motion was passed, "To adopt Throop Borough Ordinance #8, an Ordinance Enacting a Realty Transfer Tax and Other Tax Related Provisions pursuant to article XI-D of the Tax Reform Code of 1971, and Authorizing the Department of Revenue of the Commonwealth of Pennsylvania to Determine, Collect and Enforce the Tax, Interest and Penalties. (Act 40 of 2005 amended the State Realty Transfer Tax provisions.)" (All in favor.)
- * A motion was passed, "To adopt Throop Borough Resolution #25 of 2006, a Blanket Resolution Adding the Code Enforcement Officer to Enforce Ordinances and Planning Matters." (All in favor.) "On the question," Mr. Barnick stated that this motion was on the agenda due to problems at School Side Estates. Mr. Barnick stated this will cover code enforcement, in addition to the Throop Police Department), for the other ordinances.
- * A motion was passed, "To submit the revised citizens' request for an amendment to the zoning map by BGM Enterprises for property in the School Side Estates Subdivision, to the Throop Borough Planning Agency and Lackawanna Regional Planning Agency for their review and non-binding recommendation." A hearing has been scheduled for September 7, 2006 at 6:00 p.m. (All in favor.)

MOTIONS NOT ON THE WRITTEN AGENDA:

- * A motion was passed, to require immediate fencing on detention ponds in developments, specifically School Side Estates. Atty. Cimini will research legal avenues available. (All in favor.)
- * A motion was passed to hire Chris Mazzucca, Jr. as a part time police officer at the prevailing rate. (All in favor.)

OFFICIAL COMMENTS

- * Tony Chrzan and Jim Barnick discussed the number of part-time police officers and the cost of vests and uniforms.

- * John Musewicz noted that the monument for the girls 2003 championship softball team would be delivered shortly. Mr. Musewicz said that a dedication ceremony would be held. Tom Lukasewicz said that the dedication ceremony would be held at the Civic Center and that the girls deserved a day of recognition. Mr. Lukasewicz also commended Mr. Barone on his work to make the monument a reality.
- * Elaine Morrell, Christina Sullivan, and Lenore Dolan were thanked for their efforts and hard work in getting things in the Borough running smoothly.

AUDIENCE COMMENTS ON NEW BUSINESS

- * Trudy DeLauder commented regarding problems with garbage at the housing authority property.
- * Donna Mast questioned what could be done about children being left unattended.
- * Mr. Woroby commented on work being done in the area near the billboard on Pancoast Street.

NOTES FROM THROOP BOROUGH COUNCIL
August 31, 2006 (Monthly Meeting)

**NOTES FROM THROOP BOROUGH COUNCIL
MONTHLY MEETING**

August 31, 2006

Council Members :

James Barnick - Vice President
Joseph Barone - **absent**
Cindy Johnson - **absent**
Thomas Lukasewicz - President
George Marushock - **absent**
John Musewicz
Tony Chrzan

Additional Borough Representatives:

Attorney Louis Cimini (Solicitor)
Stanley Lukowski (Mayor)
Elaine Morrell (Chief Clerk/Treasurer)
Christina Sullivan (Secretary)
Lenore Dolan (Assistant Treasurer)

ANNOUNCEMENTS:

“Thursday, September 7, 2006 at 6:00 p.m. – Public Hearing – To consider the request of BGM Enterprises, Inc. for an amendment of the Zoning Map.”

“Thursday, September 14, 2006 at 5:45 p.m. – Ground Breaking New DPW Garage.”

“Thursday, September 14, 2006 at 6:30 p.m. – Special Monthly Work Session/Meeting.”

AUDIENCE COMMENTS ON THE AGENDA:

There were no audience comments on the agenda.

THE MEETING:

- * A motion was passed, “To accept the monthly zoning report and the minutes of the July 27th, 2006 and July 3, 2006 council meetings.” (All in favor.)
- * A motion was passed, “To pay all the employees of Throop Borough.” (All in favor.)
- * A motion was passed, “To purchase a 4 dial Street Clock from The Verdin Company at a cost of \$19,575.00. The boom truck is to be provided by the Borough at the Borough’s cost.” (All in favor.) “On the question”, Mr. Barnick asked if the clock would also show the temperature. It was discussed that the clock would not show the temperature.

- * A motion was passed, "To accept the medical report from Dr. Alan P. Gillick on David C. Repchick. Dr. Gillick states that Captain Repchick is permanently disabled from being able to return to work as a policeman and to confirm Captain Repchick's eligibility for a monthly disability pension pursuant to the applicable police pension fund ordinance as it relates to total and permanent disability. Also to contact the Borough's Administrator and Ron Yanoski of Merrill Lynch regarding the Police Pension Fund." (All in favor.) "On the question" Mr. Barnick asked how it would affect this situation if the Borough's new Pension Fund Administrator was used for this case. It was discussed that there should not be a problem with using the Borough's new Administrator. Council told Mr. Repchick that it was sad to see him go.
- * A motion was passed, "To ratify the payment to Joyce, Jackman & Bell in the amount of \$97,817.00 for the annual borough insurance package." (All in favor.)
- * A motion was passed, "To authorize Charles Reed to return to work as full time police officer as per his medical clearance." (All in favor.)

MOTIONS NOT ON THE WRITTEN AGENDA:

- * A motion was passed, to appoint Joseph Duda as Administrator of the Non-Uniform and Police Pension Funds at an annual rate of \$2,500 for each plan, a total of \$5,000, effective September 1, 2006. (All in favor.)
- * A motion was passed to authorize Robert Davis to apply for the grant and to research Federal Guidelines with respect to the Bellman Street Pump Station. (All in favor.)
- * A motion was passed to authorize and solicit bids in regard to the evaluation of the core borings that are being done in conjunction with the investigation of mine fires for the Marjol final remedy and to have quotes ready if EPA allows the Borough to have someone review the samples. (All in favor.)

Mayor Lukowski asked how the Borough would go on the Marjol site. Tom Lukasewicz said they wouldn't go on-site; he stated that split samples were always offered by USEPA. Tom Lukasewicz said that if the Borough is allowed to review the samples, the Borough will solicit quotes. If they are not allowed, the Borough will go to Congressman Kanjorski because when Congressman Kanjorski was leaving the Marjol meeting, the Congressman told him that if USEPA doesn't allow the Borough to have someone review the samples that he would join Throop in a lawsuit to force them to.

Tom Lukasewicz asked Elaine Morrell to contact Gannett Fleming and PADEP to find out who the other 4 entities were that bid on the position Gannett Fleming got with the state so that those companies could bid in case USEPA allows the Borough to review the samples.

- * A motion was passed to purchase ammunition in the amount of \$1,450.00 for the annual police firearms qualifications. (All in favor.)

OFFICIAL COMMENTS

- * Tom Lukasewicz noted that the Maid Rite Steak Co. was cited again by PADEP with a notice of violation. Mr. Lukasewicz stated that this has been an ongoing problem and Maid Rite was supposed to have been shut down in May if it didn't come into compliance but it kept getting extensions. He said he was meeting Friday morning 10:00 a.m. near Maid Rite with Representative Gaynor Cawley, Frank Andrews Shimkus, and David DeCosmo (WYOU NEWS). Mr. Lukasewicz said, "the gloves were coming off, because if DEP wouldn't do anything for the people of Throop, they were going to have to." Tom Lukasewicz invited everyone to go to Maid Rite on Friday at 10 am.

- * Elaine Morrell asked what color Council wanted the new clock to be. Green was the decided color to match the building.

- * Tom Lukasewicz and Jim Barnick requested that Atty. Cimini push the county for the trust fund money from the landfill so that it can be used for Marjol as well as for developing the 48 acres. Tom Lukasewicz and Jim Barnick said they were going to attend another County Commissioners Meeting to try to obtain this money from the county. Mr. Barnick noted that the county was alluding toward an amount of \$500,000 for the Borough.

AUDIENCE COMMENTS ON NEW BUSINESS

- * Trudy DeLauder thanked Council for the speed signs and the children at play signs that were placed in the housing complex.

- * Dominick Rocco asked Council to consider changing Sanderson Street (at the bottom below the baseball field) to a one way Street.

NOTES FROM THROOP BOROUGH COUNCIL
September 14, 2006 (Special Monthly Meeting)

**NOTES FROM THROOP BOROUGH COUNCIL
SPECIAL MONTHLY MEETING**

September 14, 2006

Council Members :

James Barnick - Vice President
Joseph Barone
Cindy Johnson - **absent**
Thomas Lukasewicz - President
George Marushock - **absent**
John Musewicz
Tony Chrzan

Additional Borough Representatives:

Attorney Louis Cimini (Solicitor)
Stanley Lukowski (Mayor)
Elaine Morrell (Chief Clerk/Treasurer) - **absent**
Christina Sullivan (Secretary)
Lenore Dolan (Assistant Treasurer) - **absent**

ANNOUNCEMENTS:

“Monday, September 18, 2006 at 5:15 p.m. – Ground Breaking New DPW Garage, Hall Street.”

“Special Meeting on Monday, September 18, 2006 at 6:00 p.m. for general purposes.”

AUDIENCE COMMENTS ON THE AGENDA:

There were no audience comments on the agenda.

THE MEETING:

- * Bids were opened for a New Pump Station on Bellman Street. The bids came in almost double what the Borough’s engineer had estimated (\$121,546 versus \$78,400). A motion was passed, “To accept the bids for the ‘New Pump Station - Bellman St.’ and to submit them to the Engineer, Solicitor and Street Commissioner for their review and recommendation.” (All in favor.)
- * Bids were opened for remodeling of the old ambulance building into the New Police Headquarters/Mayor’s Office. A motion was passed, “To refer the bids for the ‘New Police Headquarters/Mayor’s Office’ and submit them to the Engineer, Solicitor and Street Commissioner for their review and recommendation.” (All in favor.)
- * A motion was passed, “To authorize monthly pension benefits to David Repchick in the amount of \$3,029.87 or as calculated by Joseph Duda based on Ordinance #8 of 2003, Section 13, Total and Permanent Disability. To continue \$100,000.00 life insurance policy.” (All in favor.)

- * A motion was passed, "To authorize payment to David Repchick for his unused 440 hrs. sick time, 384 hrs. vacation time and 96 hrs. personal time. Total \$21,442.08. (Sick time is ½ of the maximum 960 hours as per the union contract; 480 hours minus 40 hours paid on 9/14/06. Holiday time is under review.)" (All in favor.)

MOTIONS NOT ON THE WRITTEN AGENDA:

- * A motion was passed, to hire S.D.A. Design-Build Consultants at a rate of \$50.00 per hour for any consulting needed for the DPW Complex Project, to work in conjunction with Robert Kalinoski who is the overseer of the project. It was agreed that a committee of 3 Councilmen, Tom Lukasewicz, Jim Barnick, and Tony Chrzan, would have to be contacted before authorization can be given for Design-Build Consultants to do any work. (All in favor.)
- * A motion was passed to authorize Atty. Cimini to take whatever action is necessary on behalf of Throop Borough with regard to the Maid Rite Steak Co. It was noted that Atty. Cimini could confer with Atty. Gramelski who is representing some of the residents near Maid Rite. It was stated that Atty. Cimini should also work to obtain reimbursement for cleaning the sewer lines near Maid Rite. (All in favor.)

Note: During the work session, the Borough representatives were very upset with what they see as PADEP's inaction with regard to the Maid Rite malodors. They are planning on writing to Greg Greenfield or Michael Bedrin at PADEP regarding the situation at Maid Rite.

- * A motion was passed to adopt a resolution to demand PADEP to place air quality monitors at the Maid Rite Steak Co. and to provide results of the testing to Throop Borough. (All in favor.)
- * A motion was passed to advertise for bid two of the Borough's vehicles (the two oldest). (All in favor.)

OFFICIAL COMMENTS

- * Tom Lukasewicz suggested that Throop try to obtain a tank or some other piece of military equipment to display in the Borough. It was discussed that Mr. Barone would make some contacts regarding obtaining something like this. Joseph Wargo, audience member, suggested contacting Tobyhanna Army Depot.
- * Mr. Barnick commented on looking at an Immigration Ordinance.
- * Mr. Chrzan inquired on the status of a playground at School Side Estates. Mr. Chrzan also suggested looking into a new Pedophile act that was recently adopted in one of the nearby towns.
- * It was noted that the clock for outside the Civic Center was ordered.

- * Mayor Lukowski commented about something being done about a census. It was noted that Dunmore is collecting part of Throop's wage tax.
- * The painting of street lines on the road near Hoop City in Throop was discussed.
- * Mr. Barnick stated that he feels the money from the county should be coming soon – within the next few weeks.

AUDIENCE COMMENTS ON NEW BUSINESS

- * Dominick Rocco asked what Council was going to do about the Bellman Street Pump Station since the bids were so high. Mr. Rocco also asked about the grant for the Pump Station.
- * Mr. Turoski requested that the fire departments be available on Boulevard Avenue in case of heavy rains. It was discussed that Bill Tarby, Throop Borough Emergency Management Coordinator and the 3 police chiefs should come to the next meeting to discuss a plan for pumping out properties in the event of heavy rains.
- * Joseph Wargo commented that the bids to renovate the old ambulance building into the new police headquarters were almost as much as the building cost new.
- * Dave Morrell commended the Humane Society for work they did at a home in the Borough.

NOTES FROM THROOP BOROUGH COUNCIL
September 18, 2006 (Special Monthly Meeting)

**NOTES FROM THROOP BOROUGH COUNCIL
SPECIAL MONTHLY MEETING**

September 18, 2006

Council Members :

James Barnick - Vice President
Joseph Barone
Cindy Johnson
Thomas Lukasewicz - President
George Marushock - **absent**
John Musewicz
Tony Chrzan

Additional Borough Representatives:

Attorney Louis Cimini (Solicitor) - **absent**
Stanley Lukowski (Mayor)
Elaine Morrell (Chief Clerk/Treasurer)
Christina Sullivan (Secretary)
Lenore Dolan (Assistant Treasurer) – **absent**

ANNOUNCEMENTS:

“The monthly council meetings for September through December will be held on their normal schedule, on the last Monday of each month following the 6:30 p.m. monthly work session.”

“The mid-month special council work sessions followed by general purpose meetings will be held on the second Thursday of each month beginning at 6:30 p.m.”

AUDIENCE COMMENTS ON THE AGENDA:

There were no audience comments on the agenda.

THE MEETING:

- * Bids were opened for the 2006 Street Paving Program. A motion was passed, “To accept the bids for the ‘Street Paving Program 2006’ and submit them to the Engineer, Solicitor and Street Commissioner for their review and recommendation.” (All in favor.)

MOTIONS NOT ON THE WRITTEN AGENDA:

- * A motion was passed to authorize Peters Design Group to begin design work for the sidewalk project on George Street from Sanderson to Clark Street. (All in favor.) “On the question”, Mr. Barnick addressed the representative from Peters Design Group. It was discussed that Peters Design Group would provide a unit cost for “clean outs”.
- * A motion was passed to adopt a resolution accepting a payment of \$500,000 from the county to be used "as prescribed by legal guidelines". (All in favor.)

- * A motion was passed to reject the bids for the pump station. (All in favor.)
- * A motion was passed to reject the bids for the police complex. (All in favor.)

It was noted that both the pump station and the police complex would be done in-house by Throop Borough employees.

- * A motion was passed to authorize part-time police officers and DPW workers to work in conjunction with Robert Kalinoski to paint and do whatever is needed to get the police building ready. This is to be done at the employee's base rate and during work hours. (All in favor.)
- * A motion was passed to authorize the DPW Department in conjunction with Robert Kalinoski to begin work on the Bellman Street Pump Station. (All in favor.)
- * A motion was passed authorizing the Borough Streets Commissioner and the Chief Clerk to check on available state programs or to advertise for bids for a pump for the Bellman Street Pump Station. (All in favor.)

OFFICIAL COMMENTS

- * Jim Barnick asked Lisa Ayers if the drilling had started at the Marjol Battery site. Lisa Ayers said the drilling started last Tuesday. Tom Lukasewicz asked if there were any complaints from residents regarding noise. Lisa Ayers said she had not received any complaints and that the drilling was actually quieter than expected. Lisa Ayers said she didn't know if the Borough had received any complaints. Elaine Morrell indicated it hadn't. Jim Barnick asked where the samples from the drilling were being kept. Lisa Ayers said that the rock cores were at the site.
- * Robert Kalinoski, Streets Commissioner, addressed Ms. Johnson, on the record notifying her that he has been trying to contact her regarding her detached garage at 801 George Street. He noted that the property had been stickered and that certified letters had all been returned unclaimed. Mr. Kalinoski said that due to safety reasons, something has to be done about the garage. Mr. Kalinoski asked Ms. Johnson where he should send the letters. Ms. Johnson said she would leave her number with Elaine Morrell.
- * There was a discussion regarding a bar at the corner of Center Street and Dunmore Street. There was some structural damage to the building and the area was roped off in hazard tape. Robert Kalinoski and Dave Morrell were asked to contact Atty. Cimini to see what could be done about the property.

AUDIENCE COMMENTS ON NEW BUSINESS

- * Dominick Rocco thanked Council for the motion regarding the Bellman Street Pump Station.

Mr. Rocco asked the status of the bamboo being cut down by Sulphur Creek and the river.

Mr. Rocco asked about having some large trees removed that are leaning across the river and look like they might fall in the river.

- * Joe Tropiak commented on the storm sewer for Phillips Street and a discussion he had with Mr. Davis regarding a grant for the work.

Mr. Tropiak also questioned a cost to the homeowners for sidewalks on George Street. Tom Lukasewicz said there shouldn't be any cost to the homeowners.

- * Mr. Bolus asked if there was a maintenance schedule for the retention pond behind his property. Tom Lukasewicz asked Rob Kalinoski to come up with a maintenance plan, to log what is done, and to see if any recommendations can be made.

- * Mr. Bolus commented on a building that he had offered to donate to the Borough for a DPW facility or for the 48 acres.

NOTES FROM THROOP BOROUGH COUNCIL
September 25, 2006 (Special Monthly Meeting)

**NOTES FROM THROOP BOROUGH COUNCIL
MONTHLY MEETING**

September 25, 2006

Council Members :

James Barnick - Vice President
Joseph Barone
Cindy Johnson - **absent**
Thomas Lukasewicz - President
George Marushock - **absent**
John Musewicz
Tony Chrzan

Additional Borough Representatives:

Attorney Louis Cimini (Solicitor)
Stanley Lukowski (Mayor)
Elaine Morrell (Chief Clerk/Treasurer)
Christina Sullivan (Secretary)
Lenore Dolan (Assistant Treasurer)

ANNOUNCEMENTS:

“Sunday, October 1, 2006 – Throop Hose Co. #1 – Sausage & Pancake Breakfast 8:30 to 12:30”

“Sunday, October 1, 2006 – ‘Rip & Chip Walk Against Cancer’ to benefit the American Cancer Society sponsored by Kristin Repchick. Registration 10:00 a.m. at the Washington Street Park, entry fee \$10.00.”

“Sunday, October 1, 2006 – The Nature Conservatory Nature Walk on Moosic Mountain. Meet at Sheetz parking lot at 1:00 p.m.”

“October 10th – Continuation – Public Hearing – To consider the request of BGM Enterprises, Inc. for an amendment of the Zoning Map.”

“Thursday, October 12, 2006 at 6:30 p.m. – Special Monthly Work Session/Meeting (2nd Thursday of each month). “ Prior to the Special Work Session/Meeting, beginning at 5:30 p.m., Council will have its first budget meeting; it will be for Emergency Services- the ambulance, hose companies, and the police.

“Monday, October 30, 2006 at 6:30 p.m. – Monthly Work Session/Meeting (Last Monday of each month).”

AUDIENCE COMMENTS ON THE AGENDA:

- * Mr. Tarby, Throop Emergency Management Coordinator, noted that on October 8th, the Steamtown Marathon goes through Throop and there is usually a police officer available to assist the fire police.

THE MEETING:

- * A motion was passed, "To accept the monthly zoning report and the minutes of the August 31st, 2006 and September 14, 2006 council meetings." (All in favor.)
- * A motion was passed, "To pay all the employees of Throop Borough." (All in favor.)
- * A motion was passed, "To authorize payment to Pioneer Construction in the amount of \$71,577.54 for the Meade Street Curb and Paving Project, as per the cooperation agreement with Lackawanna County regarding the Community development Block Grant Funds (CDBG). Lackawanna County will reimburse the Borough \$71,577.54 with FFY 20006 CDBG Program Funds." (All in favor.) "On the question", Tom Lukasewicz asked if the money would be coming form Throop's General Fund or Capital Improvement Fund. It was discussed that it would come from the General Fund.
- * A motion was passed, "To accept the 'Financial Requirement and (MMO) Minimum Municipal Obligation Budget for 2007' Police Pension Fund MMO - \$35,813.00 and Non-Uniform Pension Plan MMO- \$75,835.00 as prepared by Duda Actuarial Consulting." (All in favor.) "On the question", Mr. Barnick asked how the new Plan Administrator, Mr. Duda, was working out. It was discussed that things were working well.
- * A motion was passed, "To authorize payment #1 to Jerry Ganz, Inc. in the amount of \$171,000.00 for the New DPW building pending approval by the Borough Engineer, Peters Design Group." (All in favor.) "On the question", it was discussed that these monies would come form the Capital Improvement Funds. Tom Lukasewicz asked what the status was on the salt shed. He asked for something in writing as soon as possible.

MOTIONS NOT ON THE WRITTEN AGENDA:

- * A motion was passed, to authorize Elaine Morrell to submit the application for a new recycling truck. (All in favor.) "On the question", Elaine Morrell suggested that the availability of grants might be greater if the Borough were to expand its recycling program to include cardboard and office paper.
- * A motion was passed to have Atty. Cimini research abandoning the northerly extension of Erie Street. (All in favor.)

AUDIENCE COMMENTS ON NEW BUSINESS

- * Robert Hegedus asked what criteria have to be met to have a building condemned. Mr. Hegedus was concerned about a bar located at the corner of Center and Dunmore Streets as well as a property on George Street. A discussion ensued.