

**MARJOL BATTERY SITE
QUARTERLY PROGRESS REPORT
NO. 3**

**MARJOL BATTERY SITE
QUARTERLY PROGRESS REPORT
NO. 3**

Prepared For:

**GOULD ELECTRONICS
Eastlake, Ohio**

Prepared By:

**ADVANCED GEOSERVICES
West Chester, Pennsylvania**

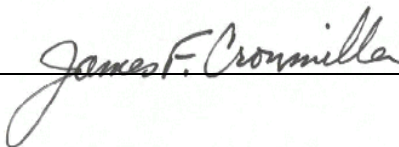
**May 15, 2007
92-002-130**

CERTIFICATION STATEMENT

I certify that the information contained in or accompanying the Quarterly Progress Report No. 3 dated May 15, 2007 for the Marjol Battery Site in Throop, Pennsylvania is true, accurate and complete.

As to those portions of the Quarterly Report No. 3 for which I cannot personally verify their accuracy, I certify under penalty of law that this Quarterly Progress Report No. 3 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:



NAME:

James F. Cronmiller

TITLE:

Gould Project Coordinator

DATE:

May 15, 2007

QUARTERLY PROGRESS REPORT NO. 3 MARJOL BATTERY SITE

DATE: May 15, 2007 92-002-130

REPORTING PERIOD: First Quarter 2007 (January 1 to March 31)

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 FIRST QUARTER 2007

CORRECTIVE MEASURES IMPLEMENTATION

The following activities were accomplished during First Quarter 2007:

- The design of the corrective measure is ongoing. A top of waste grading plan has been developed and draft specifications are being prepared. Previous site data have been compiled for limits of excavation.
- On January 24, 2007, an analysis of cross-sections to establish the northern-most possible limit of the Containment Area was submitted to USEPA and PADEP.
- On January 29, 2007, AGC attended an XRF training course at the EPA office.
- On February 6, 2007, a conference call was held with USEPA, PADEP and AGC to discuss PADEP's comments on the January 24, 2007 cross-sections. PADEP requested that the modeled surfaces be shown on cross-sections prepared for use during the SMFI field activities.
- On February 13, 2007, USEPA comments on the CMI Work Plan were received. The letter indicated that project implementation may proceed, with the exception of PDI soil sampling.
- On February 15, 2007, revised cross-sections to establish the northern-most possible limit of the Containment Area were submitted in response to the February 6, 2007 conference call.
- On February 15, 2007, Quarterly Report No. 2 (4Q2006) and the Revised Cost Estimate through December 31, 2006 were issued.
- On March 5, 2007, a conference call was held with USEPA, PADEP and AGC to discuss the February 15, 2007 comments on the CMI Work Plan. It was agreed that three area-wide composite samples would be collected during the PDI in the North Woods for PAH and PCB analysis, and these samples would be considered the confirmatory samples for these compounds. Post-excavation confirmatory sampling for lead at the North Woods and other excavations delineated during the PDI would be proposed as direct read XRF during the design process. Post-excavation sampling for lead, PAH and PCB for facility excavations will be determined during the design process.

- On March 6, 2007, a conference call was held with USEPA, PADEP, Gould and AGC to discuss USEPA comments on the cross-sections submitted February 15, 2007.
- On March 7, 2007, a conference call was held with USEPA, PADEP, Gould and AGC to discuss USEPA and PADEP comments on the cross-sections submitted February 15, 2007. Several items were discussed and approved by USEPA and PADEP, including:
 - The required isolation distance between the 5 ft coal seam and combustible waste is 12.5 feet.
 - The competent bedrock / bottom of 5 ft coal seam subcrop (i.e., green line) is the southern-most limit of possible pothole subsidence.
 - The subcrop (i.e., green line) is the northern-most possible limit of the Containment Area. This location provides adequate waste isolation distance provided that battery casing material between the subcrop and 12.5 feet south of the subcrop (i.e., pink line) is excavated and backfilled with non-combustible waste material.
 - The inside edge of the Containment Area berm (i.e., the limit of waste) will be at the subcrop (i.e., green line), and the berm, berm slope and anchor trench can be north of the subcrop.
- On March 14, 2007, USEPA provided written documentation of the approvals provided in the March 7, 2007 conference call.
- On March 22, 2007, the March 20, 2007 Subsidence Assessment for Cap Design by GAI Consultants, Inc. was submitted to USEPA and PADEP. The assessment quantified the anticipated ground surface deformations associated with a hypothetical future mine subsidence event.
- On March 23, 2007, responses to February 13, 2007 comments on the CMI Work Plan were submitted.

SITE MONITORING AND MAINTENANCE

The following activities were accomplished during First Quarter 2007:

- 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 Fourth Quarter 2006 Ambient Air Monitoring Report is attached.
- Fourth 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 despite increased muskrat activity in the basin. The Fourth Quarter 2006 Stormwater Management Basin Performance Monitoring Report is attached.
- On January 10, 2007, Advanced GeoServices personnel collected First Quarter 2007 surface water samples as part of the Stormwater Management Basin Monitoring Plan.

- On February 27, 2007, Advanced GeoServices personnel collected First Quarter 2007 sediment samples as part of the Stormwater Management Basin Monitoring Program.
- The January, February and March 2007 Monthly Site Visits were performed on January 24, February 27 and March 27, 2007, respectively, and the reports are attached. The site visits show that the site conditions continue to be stable. Advanced GeoServices personnel observed that several muskrat dens continue to be present in the basin and the discharge pipe gate valve is secure. The valve was observed to leak non-turbid water slowly during the March inspection. Three small tears (each less than one inch long) were observed at the seams of former repairs at the High Haz Stockpile cover. The Low Haz Stockpile soil cover has thinned and the erosion control matting is showing. These items will be repaired during the Spring Site Maintenance activities.
- There were signs of all-terrain vehicles traversing the path along the outside of the perimeter chain-link fence during the months of January, February, and March, 2007.
- Precipitation for January, February, and March, 2007 was 3.41", 1.83" and 3.58", respectively, in the form of rain and snow.
- Securitas Security (f/k/a Burns Security) continued to patrol the perimeter fence on a regular basis.
- TEEM Environmental was on site during January, February, and March, 2007 to perform the following site maintenance activities:
 - Apply salt to roadways.
 - Repair door to guard trailer.
 - Remove deer from site.
 - Plow snow, apply salt to roadways and clear paths to air monitors.
 - Defrost pipes, insulate drains and install heat trace under support trailer.
 - Repair frozen water line in decontamination trailer.

COMMUNITY RELATIONS

The following activities were accomplished during First Quarter 2007:

- On January 5, 2007, Gould's web site, <http://www.marjolcleanup.com>, for the Marjol Battery Site was updated. A notification was sent to those individuals who signed up for web-site update notices.
- Lisa Ayers attended Throop Borough Council's Mid-Month Meeting on January 11, 2007. (See notes attached.)
- USEPA conducted a Public Meeting on January 18, 2007, to discuss the conclusions from the Supplemental Mine Fire Investigation. Representatives from USEPA, PADEP, Senator Specter's office, Congressman Kanjorski's office, Senator Mellow's office, Throop Borough, Gould Electronics, Advanced GeoServices Corp., the Throop Community, and the Scranton Times attended the meeting.
- Lisa Ayers attended the regularly scheduled Throop Borough Council Monthly Meeting on January 29, 2007. (See notes attached.)

- On January 31, 2007, Gould's web site, <http://www.marjolcleanup.com>, for the Marjol Battery Site was updated. A notification was sent to those individuals who signed up for web-site update notices.
- On February 6, 2007, Elizabeth Piet from the Times-Tribune came to view the Marjol site in preparation for an article she was going to do on the Marjol Battery Site. Ms. Piet observed the Site from the Exclusion Zone and then visited the Marjol Community Relations Office to review some documents on the Site. Ms. Piet had a telephone interview with James Cronmiller the following day, February 7, 2007. The article has not appeared in the paper yet.
- Lisa Ayers attended Throop Borough Council's Mid-Month Meeting on February 8, 2007. (See notes attached.)
- Lisa Ayers attended the regularly scheduled Throop Borough Council Monthly Meeting on February 26, 2007. (See notes attached.)
- Marjol Battery Site Newsletter Number 86 was mailed out on February 28, 2007. The following topics were covered in the newsletter:
 - Results of Supplemental Mine Fire Investigation
 - Community Relations Activities
 - The Pre-Design Investigation
 - Schedule
 - Ongoing Monitoring Activities
- Lisa Ayers attended Throop Borough Council's Mid-Month Meeting on March 8, 2007. (See notes attached.)
- On March 23, 2007, Gould's web site, <http://www.marjolcleanup.com>, for the Marjol Battery Site was updated. A notification was sent to those individuals who signed up for web-site update notices.
- Lisa Ayers attended the regularly scheduled Throop Borough Council Monthly Meeting on March 26, 2007. (See notes attached.)

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 March 31, 2007 versus the Revised Cost Estimate through December 31, 2006, the CMI is approximately 3% complete. The design of the selected corrective measure is about 20% complete.

PROBLEMS ENCOUNTERED

As USEPA and PADEP approval of the PDI soil sampling, 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 First Quarter 2007.

ACTIONS PLANNED FOR SECOND QUARTER 2007

CORRECTIVE MEASURES IMPLEMENTATION

The following activities are planned for Second Quarter 2007:

- Weather permitting, conduct remaining PDI soil sampling following resolution of XRF use and approval by USEPA and PADEP.
- Obtain USEPA and PADEP approval of the title notice, trust fund agreement and Revised Cost Estimate.
- Complete and submit the Preliminary (30%) Design.

SITE MAINTENANCE

The following activities are planned for Second Quarter 2007:

- Continue weekly air monitoring program.
- Perform Second Quarter 2007 Stormwater Management Basin Performance Monitoring sampling for surface water and sediment.
- Submit results for First Quarter 2007 Ambient Air Monitoring Report.
- Submit results for First Quarter 2007 Stormwater Management Basin Performance Monitoring sampling for surface water and sediment.
- Conduct Spring Site maintenance activities, including:
 - Repair High Haz Stockpile cover;
 - Repair sections of Low Haz Stockpile cover and SMB discharge channel with exposed erosion control mat with topsoil, seed and straw;
 - Silt fence repair and hay bale replacement as needed;
 - Fence repairs at Martarano Street and perimeter fence;
 - Grass cutting;
 - Remove weeds and mulch areas previously mulched;
 - Sweeping of all paved site roadways during a rain event;
 - Clear overgrown vegetation from path along Lackawanna River;
 - Remove woody shrubs from rip rap channels and the perimeter fence;
 - Regrade parking lots and gravel roads;
 - Prepare decontamination trailer and decontamination pad for warm weather;
 - Remove debris/garbage that collected along fences;
 - Clear fallen tree limbs; and,
 - Repair roof at Storage Area #1.

COMMUNITY RELATIONS

The following activities are planned for Second Quarter 2007:

- **April 12, 2007** - Throop Borough Council Mid -Month Meeting
- **April 30, 2007** - Regularly Scheduled Throop Borough Council Meeting
- **May 10, 2007** - Throop Borough Council Mid -Month Meeting
- **May 31, 2007** - Regularly Scheduled Throop Borough Council Meeting
- **June 14, 2007** - Throop Borough Council Mid -Month Meeting
- **June 15, 2007** - Update Gould's web site for the Marjol Battery Site
- **June 18, 2007** - Send out Newsletter Number 87
- **June 19, 2007** - Send out letters regarding the annual Blood Lead Screening Program to the homes where excavations were conducted. The letters will ask the residents to send back a return form indicating whether or not they are interested in having blood lead screening done in their homes as part of the annual blood lead screening program.
- **June 25, 2007** - Regularly Scheduled Throop Borough Council Meeting

ANTICIPATED PROBLEMS

No problems are anticipated for Second Quarter 2007.

Barbara L. Forslund, P.E.
AGC Project Coordinator

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

Throop Borough Council
Louis Cimini, Throop Borough Solicitor
Ron Brezinski, PADEP
Repository (c/o Lisa Ayers)

**CORRECTIVE MEASURES IMPLEMENTATION
FIRST QUARTER 2007 SCHEDULE**

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

	Milestone		Projected Dates from		Actual Dates
			CMI Work Plan	Revised Projected Dates	
1)	Restart Letter Received	Actual	9/19/2005	n/a	9/19/2005
2)	Notice on Dispute	Actual	9/26/2005	n/a	9/26/2005
3)	Consent Order Rec'd	Actual	12/1/2005	n/a	12/1/2005
4)	Consent Order Signed	Actual	7/13/2006	n/a	7/13/2006
5)	Proj. Coord. And Consultant Notice	In Order	7/13/2006	n/a	7/13/2006
6)	Title Notice Submitted	due 30 days after 4)	8/14/2006	n/a	8/14/2006 (Draft)*
7)	Cost Estimates Submitted	due 30 days after 4)	8/14/2006	n/a	8/14/2006*
8)	CMI Work Plan Submitted	due 60 days after 4)	7/21/2006	n/a	7/21/2006*
9)	Financial Assurances Due	60 days after approval of 7)	11/10/2006 (assumed 30 days to approve 7)	6/30/2007	
10)	CMI WP Approved	assumed 60 days after 8). Can approve PDI early (14 days)	9/19/2006 for entire WP. 8/4/2006 for PDI	4/20/2007 (PDI soil sampling)	9/1/2006 (mine fire), 11/2/2006 (geoprobe), 2/13/2007 (Work Plan except soil sampling)
11)	PDI Start	assumed 3 weeks after PDI Work Plan approval, weather permitting	8/28/2006	4/23/2007 (soil sampling)	9/12/2006 (mine fire), 11/27/2006 (geoprobe)
12)	PDI Complete	assumed 3 weeks after 11)	9/18/2006	5/11/2007	10/16/2006 (mine fire), 11/29/2006 (geoprobe)
13)	Prelim. Design Submitted	due 90 days after 12)	12/18/2006	6/29/2007	
14)	Prelim. Design Comments	Assumed 45 days after 13)	2/1/2007	8/13/2007	
15)	Revised Cost Estimate	due on 2/15/2007	2/15/2007	2/15/2007	2/15/2007
16)	90% Design Submitted	due 90 days after 14)	5/2/2007	11/12/2007	
17)	Request for Bid Issued	assumed 2 weeks after 16)	5/16/2007	11/26/2007	
18)	90% Design Approved with Comments	Assumed 30 days after 16)	6/1/2007	12/12/2007	
19)	100% Design Complete to Bidders and EPA	due 2 weeks after 18)	6/15/2007	12/28/2007	
20)	100% Design Approval	assumed 2 weeks after 19)	6/29/2007	1/11/2008	
21)	Final Title Notice Submitted	due 30 days after 20)	7/30/2007	2/11/2008	
22)	Bids Received	due 3 weeks after 20)	7/20/2007	2/1/2008	
23)	Award	assumed 2 weeks after 22)	8/3/2007	2/15/2008	
24)	Notice of Contractor to EPA/DEP	Day after award	8/4/2007	2/16/2008	
25)	Revised Cost Estimate	due on 8/15/2007	8/15/2007	8/15/2007	
26)	Construction Start	assumed 2 weeks after award, weather permitting	8/20/2007	3/31/2008	
27)	Revised Cost Estimate	due 60 days after 20)	8/28/2007	3/11/2008	
28)	Revised Cost Estimate	due on 2/15/2008	2/15/2008	2/15/2008	
29)	Revised Cost Estimate	due on 8/15/2008	8/15/2008	8/15/2008	
30)	Revised Cost Estimate	due on 2/15/2009	2/15/2009	2/15/2009	
31)	Construction Complete	See note above	7/20/2009	11/30/2009	
32)	Revised Cost Estimate	due on 8/15/2009	8/15/2009	8/15/2009	
33)	Submit CMI Report	due 90 days after 31)	10/19/2009	2/28/2010	
34)	CMI Report Approved	assumed 30 days after 33)	11/18/2009	3/30/2010	

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.
3. Projected dates are from CMI Work Plan Table 11-1 and represent the original schedule for the CMI. The revised projected dates reflect the current schedule based on approvals

MONTHLY SITE REPORTS

JANUARY 2007 SITE VISIT

JANUARY 2007 MONTHLY SITE VISIT REPORT

PROJECT:	Marjol Battery Site	PROJECT NO.:	92-002-1MP
LOCATION:	Throop, Pennsylvania	DATE:	January 24, 2007
CLIENT:	Gould Electronics Inc.	WEATHER:	35°F Clear
CONTRACTOR(S):	None.		
AGCs REPRESENTATIVE:	Lisa Ayers		
CONTRACTORS REPRESENTATIVE:	None.		
VISITORS ON-SITE:	Len Zelinka, PADEP		
	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. Routine replacement of the silt fence materials will be done during Spring Site Maintenance Activities.

The landfill area appears stable and secure. The basin haul road is in good condition; routine regrading will be done during Spring Site Maintenance activities.

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. The lower portion of one picket on the fence behind Martarano Street is missing; this picket will be replaced during Spring Site Maintenance Activities.

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 January.

The storm water management basin (SMB) is in good condition. There continue to be several muskrat dens in the basin. The surface of the basin is frozen. 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 shut down for the winter months.

Both on-site rain gauges are working properly.

JANUARY 2007 MONTHLY SITE VISIT REPORT (Continued)

PROJECT:	<u>Marjol Battery Site</u>	PROJECT NO.:	<u>92-002-1MP</u>
LOCATION:	<u>Throop, Pennsylvania</u>	DATE:	<u>January 24, 2007</u>
CLIENT:	<u>Gould Electronics Inc.</u>	WEATHER:	<u>35°F Clear</u>
CONTRACTOR(S)	<u>None.</u>		
AGCs REPRESENTATIVE:	<u>Lisa Ayers</u>		
CONTRACTORS REPRESENTATIVE:	<u>None.</u>		
VISITORS ON-SITE:	<u>Len Zelinka, PADEP</u>		
	SHEET:	<u>2 of 2</u>	

Securitas Security continued to patrol the perimeter fence.

On January 10, 2007 Advanced GeoServices personnel collected the First Quarter 2007 surface water samples as part of the Stormwater Management Basin Monitoring Plan.

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

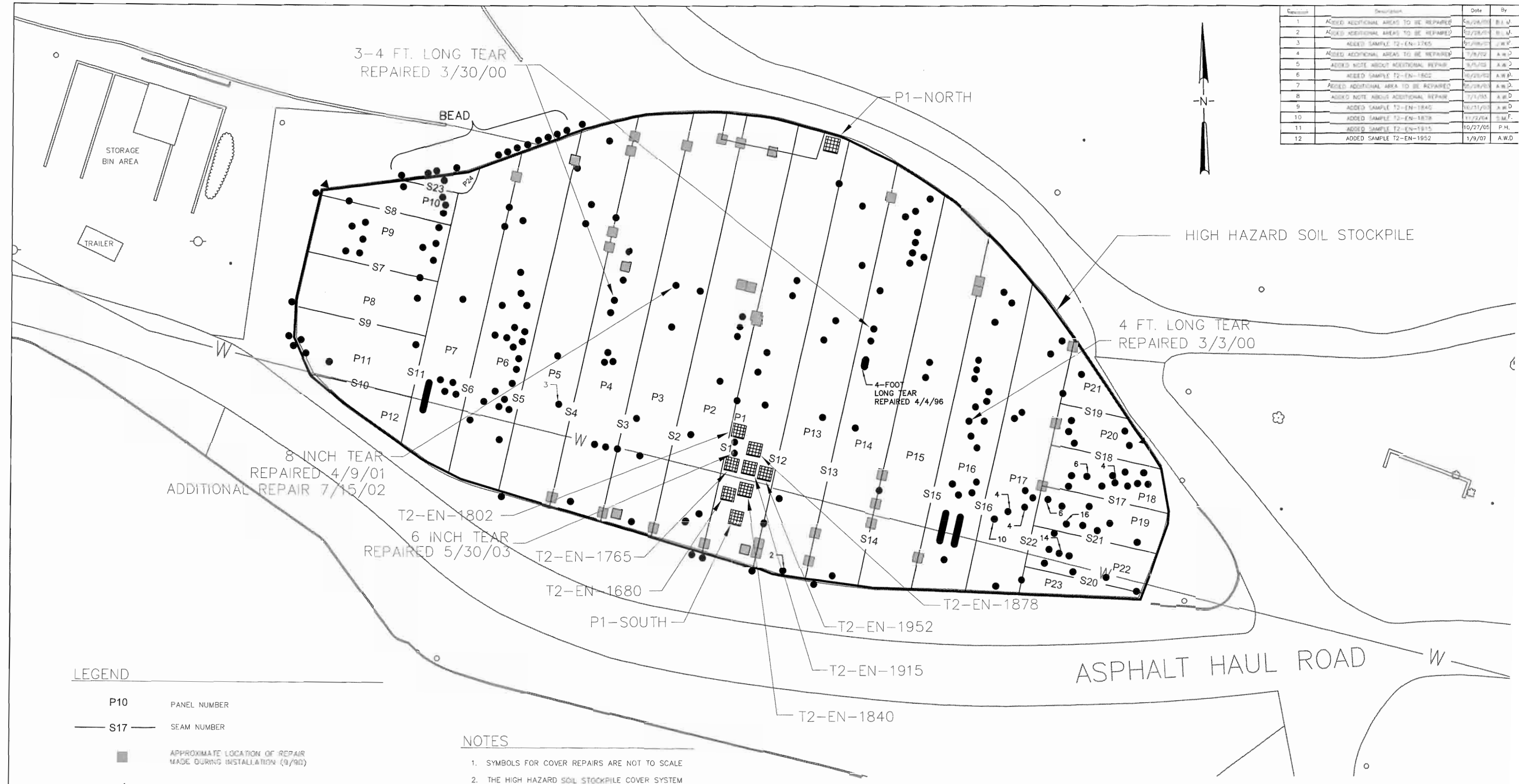
- January 3, 2007 – Apply salt to roadways. Repair door on guard trailer. Remove deer from site.
- January 10, 2007 – Apply salt to roadways.
- January 23, 2007 – Plow snow and apply salt to roadways. Repair door on guard trailer.
- January 31, 2007 - Plow snow and apply salt to roadways.

HV air monitors #1, 2, 3, 4, 6, 7 were set up for operation on 1/5, 1/11, 1/17, 1/23, and 1/29/2007.

The site received 3.41” of precipitation in the month of January in the form of rain and snow.

FIELD REPRESENTATIVE: Lisa Ayers **REVIEWED BY:** _____

Revision	Description	Date	By
1	ADDED ADDITIONAL AREAS TO BE REPAIRED	5/26/00	B.L.M.
2	ADDED ADDITIONAL AREAS TO BE REPAIRED	10/28/00	B.L.M.
3	ADDED SAMPLE T2-EN-1765	9/18/00	J.W.F.
4	ADDED ADDITIONAL AREAS TO BE REPAIRED	7/8/02	A.W.D.
5	ADDED NOTE ABOUT ADDITIONAL REPAIR	9/5/03	A.W.D.
6	ADDED SAMPLE T2-EN-1802	10/29/03	A.W.D.
7	ADDED ADDITIONAL AREA TO BE REPAIRED	10/29/03	A.W.D.
8	ADDED NOTE ABOUT ADDITIONAL REPAIR	7/1/05	A.W.D.
9	ADDED SAMPLE T2-EN-1840	10/11/05	A.W.D.
10	ADDED SAMPLE T2-EN-1878	11/22/04	S.M.F.
11	ADDED SAMPLE T2-EN-1915	10/27/05	P.H.
12	ADDED SAMPLE T2-EN-1952	1/9/07	A.W.D.



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.

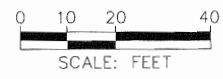
ASPHALT HAUL ROAD

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
MAY 15 2007

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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FEBRUARY 2007 SITE VISIT

FEBRUARY 2007 MONTHLY SITE VISIT REPORT

PROJECT:	Marjol Battery Site	PROJECT NO.:	92-002-1MP
LOCATION:	Throop, Pennsylvania	DATE:	February 27, 2007
CLIENT:	Gould Electronics Inc.	WEATHER:	34°F Overcast
CONTRACTOR(S):	None		
AGCs REPRESENTATIVE:	Robert Christy		
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. The pile is covered with snow so visible tears or punctures in the cover cannot be observed.

The perimeter barrier around the low hazard stockpile is stable. The surface of the stockpile is covered with snow and appears stable. The silt fence across the front of the pile is stable and secure. Routine replacement of the silt fence materials will be done during Spring Site Maintenance Activities.

The landfill area is covered with snow and appears stable and secure. The basin haul road is in fair condition and will need to be re-graded during the Spring Site Maintenance activities.

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. The lower portion of one picket on the fence behind the houses on Martarano Street is missing; this picket will be replaced during Spring Site Maintenance Activities.

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 February.

The storm water management basin (SMB) is in good condition. There continue to be several muskrat dens in the basin. The surface of the basin is frozen. 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 shut down for the winter months.

Both on-site rain gauges are working properly.

FEBRUARY 2007 MONTHLY SITE VISIT REPORT (Continued)

PROJECT:	<u>Marjol Battery Site</u>	PROJECT NO.:	<u>92-002-1MP</u>
LOCATION:	<u>Throop, Pennsylvania</u>	DATE:	<u>February 27, 2007</u>
CLIENT:	<u>Gould Electronics Inc.</u>	WEATHER:	<u>34°F Overcast</u>
CONTRACTOR(S)	<u>None</u>		
AGCs REPRESENTATIVE:	<u>Robert Christy</u>		
CONTRACTORS REPRESENTATIVE:	<u>None</u>		
VISITORS ON-SITE:	<u>None</u>		
	SHEET:	<u>2 of 2</u>	

Securitas Security continued to patrol the perimeter fence.

On February 27, 2007 Advanced GeoServices personnel collected the First Quarter 2007 sediment samples as part of the Stormwater Management Basin Monitoring Plan.

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

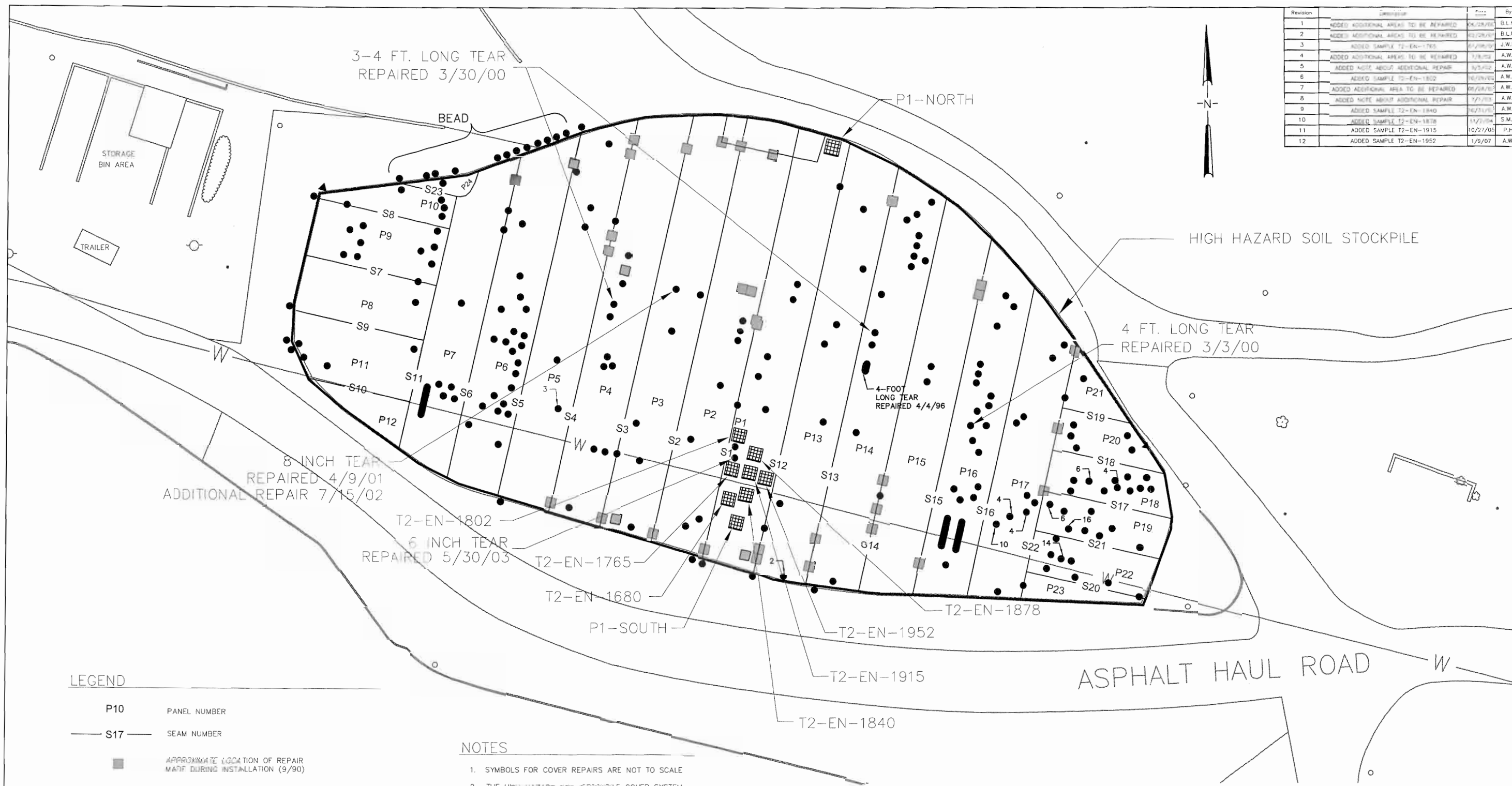
- February 3, 2007 – Plow snow and apply salt to roadways.
- February 6, 2007 – Defrost pipes, insulate drains and install heat trace under support trailer.
- February 14, 2007 – Plow snow from roadways.
- February 15, 2007 – Plow snow from roadways.
- February 16, 2007 – Plow and clear paths to air monitors on site and in Dickson City.
- February 17, 2007 - Plow snow, apply salt to roadways and clear paths to air monitors.
- February 26, 2007 - Plow snow and apply salt to roadways.

HV air monitors #1, 2, 3, 4, 6, 7 were set up for operation on 2/4, 2/10, 2/16, 2/22, and 2/28/2007.

The site received 1.83” of precipitation in the month of February in the form of rain and snow.

FIELD REPRESENTATIVE: Robert Christy **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	01/29/02	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	09/28/03	A.W.D.
8	ADDED NOTE ABOUT ADDITIONAL REPAIR	7/7/03	A.W.D.
9	ADDED SAMPLE T2-EN-1840	10/21/03	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.
12	ADDED SAMPLE T2-EN-1952	1/9/07	A.W.D.



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 - 5/30/03)
- ▲ 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.

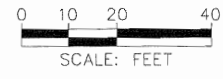
MARJOL BATTERY SITE
THROOP BOROUGH, LACKAWANNA COUNTY, PENNSYLVANIA

HIGH HAZARD SOIL STOCKPILE COVER PATCH LOCATION PLAN

Scale: 1"=40'
Originated By: B.L.M.
Drawn By: P.S.C.
Checked By: A.W.D.
Project Mgr: S.W.K.
Dwg No. 92002-04
DATE MAY 15 2007



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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MARCH 2007 SITE VISIT

MARCH 2007 MONTHLY SITE VISIT REPORT

PROJECT:	Marjol Battery Site	PROJECT NO.:	92-002-1MP
LOCATION:	Throop, Pennsylvania	DATE:	March 27, 2007
CLIENT:	Gould Electronics Inc.	WEATHER:	50°F Sunny
CONTRACTOR(S):	None		
AGCs REPRESENTATIVE:	Robert Christy		
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 three small tears (each less than one inch long) that have occurred along the seams of former repairs. These will be repaired during the Spring Site Maintenance activities.

The perimeter barrier around the low hazard stockpile is stable. There are a few places where the soil cover has thinned and the erosion control matting is showing. These areas will be covered with soil and re-seeded during the Spring Site Maintenance activities. Routine replacement of the silt fence material will also be done during the Spring Site Maintenance activities.

The landfill area appears stable and secure. The basin haul road is in fair condition and will need to be re-graded during the Spring Site Maintenance activities.

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. The lower portion of one picket on the fence behind Martarano Street is missing; this picket will be replaced during Spring Site Maintenance Activities.

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 March.

The storm water management basin (SMB) is in good condition. There continue to be several muskrat dens in the basin. The ancillary structures are stable and in good condition. The discharge pipe gate valve is slowly leaking clear water (approximately 10 ml/min), and the SMB continues to operate as designed.

The northeast vehicle gate area is stable and secure.

The vehicle decontamination pad is shut down for the winter months.

MARCH 2007 MONTHLY SITE VISIT REPORT (Continued)

PROJECT:	<u>Marjol Battery Site</u>	PROJECT NO.:	<u>92-002-1MP</u>
LOCATION:	<u>Throop, Pennsylvania</u>	DATE:	<u>March 27, 2007</u>
CLIENT:	<u>Gould Electronics Inc.</u>	WEATHER:	<u>50°F Sunny</u>
CONTRACTOR(S)	<u>None</u>		
AGCs REPRESENTATIVE:	<u>Robert Christy</u>		
CONTRACTORS REPRESENTATIVE:	<u>None</u>		
VISITORS ON-SITE:	<u>None</u>		
	SHEET:	<u>2 of 2</u>	

Both on-site rain gauges are working properly.

Securitas Security continued to patrol the perimeter fence.

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

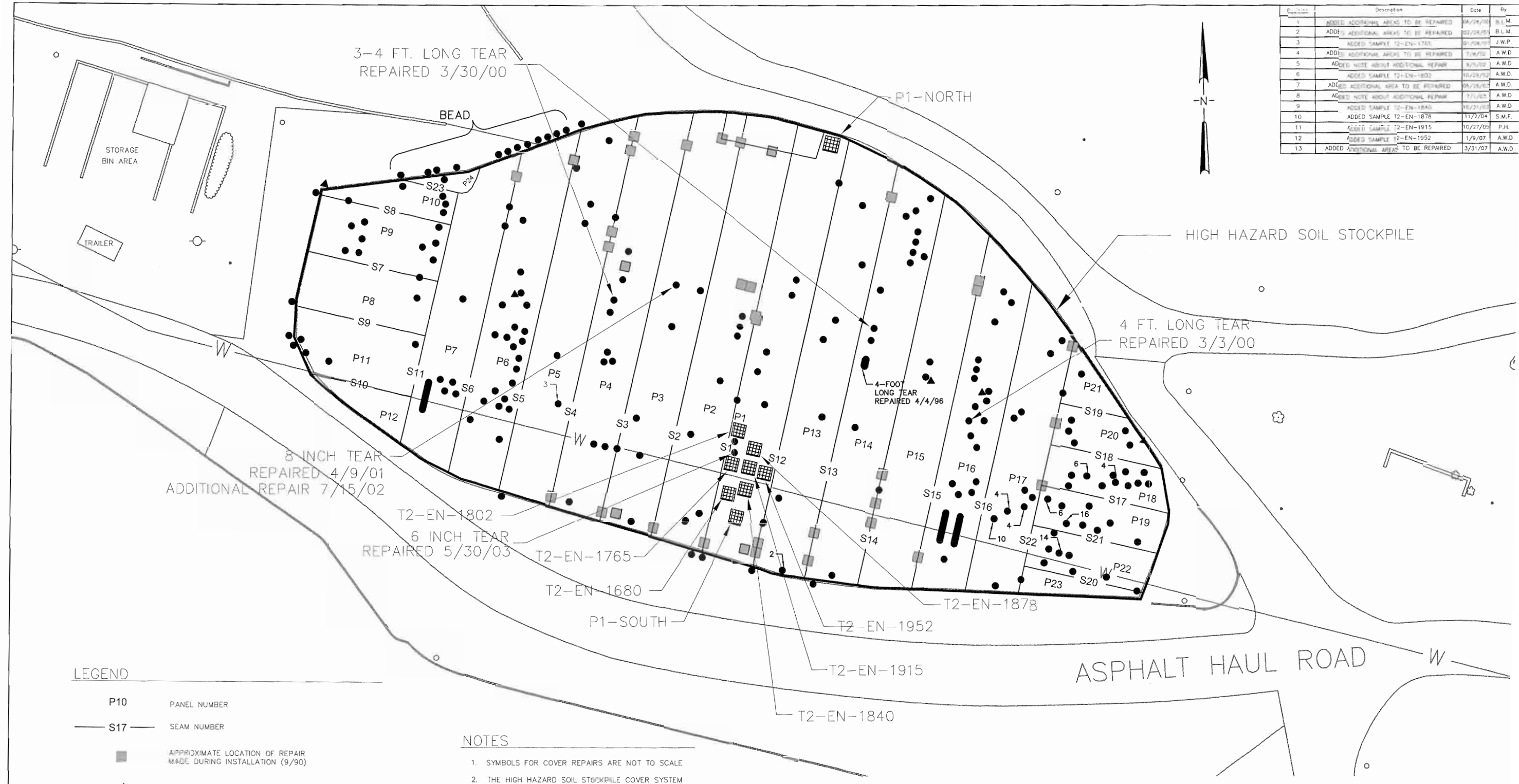
- March 7, 2007 – Plow snow and apply salt to roadways, repair frozen water line in decontamination trailer.
- March 16, 2007 – Plow snow and apply salt to roadways.
- March 17, 2007 – Plow snow and apply salt to roadways.
- March 19, 2007 – Plow drifting snow and apply salt to roadway.

HV air monitors #1, 2, 3, 4, 6, 7 were set up for operation on 3/6, 3/12, 3/18, 3/24, and 3/30/2007

The site received 3.58” of precipitation in the month of March in the form of rain and snow.

FIELD REPRESENTATIVE: Robert Christy **REVIEWED BY:** _____

Revision	Description	Date	By
1	ADDED ADDITIONAL AREAS TO BE REPAIRED	04/24/00	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	7/16/02	A.W.D.
5	ADDED NOTE ABOUT ADDITIONAL REPAIR	8/20/02	A.W.D.
6	ADDED SAMPLE T2-EN-1802	10/29/02	A.W.D.
7	ADDED ADDITIONAL AREA TO BE REPAIRED	09/28/02	A.W.D.
8	ADDED NOTE ABOUT ADDITIONAL REPAIR	7/11/03	A.W.D.
9	ADDED SAMPLE T2-EN-1840	10/31/03	A.W.D.
10	ADDED SAMPLE T2-EN-1878	11/27/04	S.M.F.
11	ADDED SAMPLE T2-EN-1915	10/27/05	P.H.
12	ADDED SAMPLE T2-EN-1952	1/9/07	A.W.D.
13	ADDED ADDITIONAL AREA TO BE REPAIRED	3/31/07	A.W.D.



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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ASPHALT HAUL ROAD

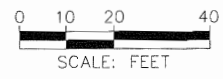
MARJOL BATTERY SITE
THROOP BOROUGH, LACKAWANNA COUNTY, PENNSYLVANIA

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
DATE MAY 15 2007

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

May 15, 2007

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 Fourth Quarter Sample Results

Dear Ms. Essenthier:

Advanced GeoServices Corp. (AGC) on behalf of Gould Electronics Inc. (Gould) is pleased to present the 2006 Fourth 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 Fourth Quarter stormwater basin and surface water samples were collected on December 24, 2006 and analyzed for total and dissolved lead by EPA Method 200.8. The surface water location T2-EN-1953 (SMB [near riser pipe]) had a total lead result of 4.4 micrograms per liter ($\mu\text{g/L}$). As mentioned previously in an e-mail dated December 15, 2006, muskrat activity in the basin has caused higher turbidity. Despite the increased turbidity, the total lead was well within historic levels, the dissolved lead is still below detection, and there was not lead detected in the river samples. Consequently it appears that the increased muskrat activity is not causing a detectable release of lead into the Lackawanna River. Total lead concentrations were below the detection limit of 2 $\mu\text{g/L}$ for sample locations T2-EN-1955, T2-EN-1956, T2-EN-1957 and T2-EN-1958 (Boulevard Avenue Bridge [1,900 feet downstream of Sulphur Creek], 680 feet, 1,350 feet and 2,350 feet upstream of Sulphur Creek, respectively. Dissolved lead results for all sample locations were below the detection limit (2 $\mu\text{g/L}$).

The results are summarized in Table 1. The validated SMB surface water sample results are also presented in the attachment. All total and dissolved lead concentrations were consistent with historical results.

Ms. Maureen Essenthier (3WC22)
92-002-103
May 15, 2007
Page 2 of 2

Sediment Sampling Results

The Fourth Quarter SMB sediment samples were collected on October 10, 2006 and analyzed for total lead by EPA Method 200.8. The rip-rap channel plunge pool (T2-EN-1950), the last filter berm (T2-EN-1948), and the center of the SMB (T2-EN-1940) sample results were 41.8 milligrams per kilogram (mg/kg), 23.2 mg/kg, and 140 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 October 10, 2006 and analyzed for total lead by EPA Method 200.8. The background concentrations in the upstream (L50-09/10 and L50-11) and downstream (L50-01) locations ranged from 8.0 mg/kg to 14.4 mg/kg and averaged 11.1 mg/kg. The sample result for the most downstream location was 14.4 mg/kg (L50-01). Sediment sample results for locations L50-02, L50-03/04, L50-05, L50-06, L50-07, and L50-08, immediately south of the Sulphur Creek and Lackawanna River confluence had lead concentrations ranging from 12.5 mg/kg to 348 mg/kg, with an average of 68.8 mg/kg. The lead concentration for sample L50-05 (45 feet downstream of Sulphur Creek) was 348 mg/kg. While this concentration is slightly higher than most of the historical data for this location, similar elevated concentrations have occurred sporadically in the past at this location but have dropped back to normal in subsequent quarters. Lead concentrations at all other 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

Barbara L. Forslund, P.E.
Project Manager

BLF:vm

Enclosures

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

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

TABLES

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

2006 4th Quarter Sample Number	Location	Sample Results (µg/l)	
		Total Lead	Dissolved Lead
T2-EN-1953	Stormwater Management Basin	4.4	<2
T2-EN-1955	Boulevard Ave. (= 1900 feet downstream of Sulphur Creek)	<2	<2
T2-EN-1956	680 ft. upstream of Sulphur Creek	<2	<2
T2-EN-1957	1350 ft. upstream of Sulphur Creek	<2	<2
T2-EN-1958	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/ T2-EN-1602	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
	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
	3rd Quarter	T2-EN-1939/T2-EN- 1937/T2-EN-1938	36.0	95.6	82.8
	4th Quarter	T2-EN-1950/T2-EN-1948 T2-EN-1949	41.8	23.2	140

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 4th 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
L50-01	= 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
L50-02	= 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
L50-03	= 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
L50-04 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
L50-05	= 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
L50-06	= 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
L50-07	= 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
L50-08	= 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
L50-09	= 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
L50-10 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
L50-11	= 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 4th 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	3 rd Qtr. 2006	4 th Qtr. 2006
L50-01	= 1600 ft. downstream of Sulphur Creek	0 - 3	40	36	43	40J	18	23	39.5	14.4
L50-02	= 115 ft. downstream of Sulphur Creek	0 - 3	27	69	64	34J	19	21	20.9	17.8
L50-03	= 30 ft. downstream of Sulphur Creek	0 - 3	20	43	68	43J	76	132J	52.7J	34.9
L50-04 ⁴	= 30 ft. downstream of Sulphur Creek	0 - 3	25	49	95	35J	51	57J	84.7J	25.2
L50-05	= 45 ft. downstream of Sulphur Creek (at stormwater pipe outfall)	0 - 3	23	45	74	85J	49	49	54.6	348
L50-06	= 12 ft. downstream of Sulphur Creek (= 10 ft. from east bank of Lackawanna River)	0 - 3	45	31	56	79J	100	14	58.5	15.3
L50-07	= 12 ft. downstream of Sulphur Creek (center of Lackawanna River)	0 - 3	24	31	28	28J	31	16	39.1	12.5
L50-08	= 9 ft. downstream of Sulphur Creek	0 - 3	90	46	31	40J	28	28	72.7	28.1
L50-09	= 850 ft. upstream of Sulphur Creek	0 - 3	32	20	22	30J	29	21	23.1J	12.8
L50-10 ⁵	= 850 ft. upstream of Sulphur Creek	0 - 3	31	26	32	20J	23	17	14.0J	9.2
L50-11	= 1550 ft. upstream of Sulphur Creek	0 - 3	18	24	51	26J	36	14	17.7	8.0

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.

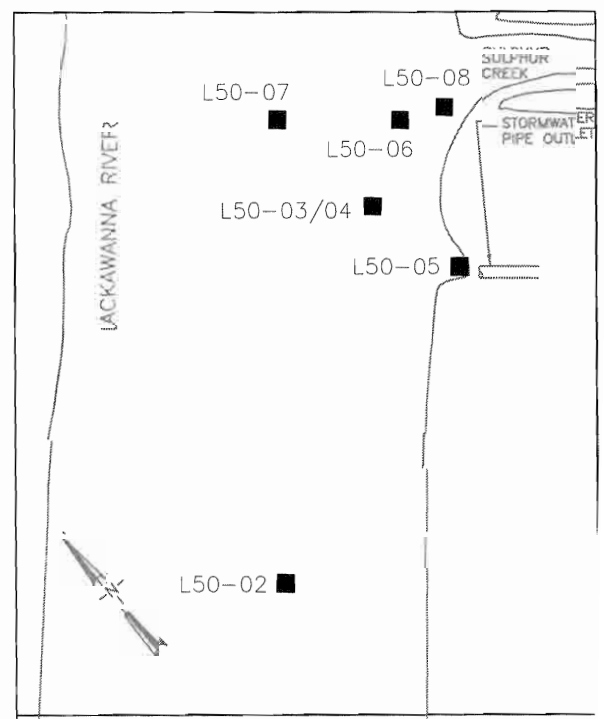
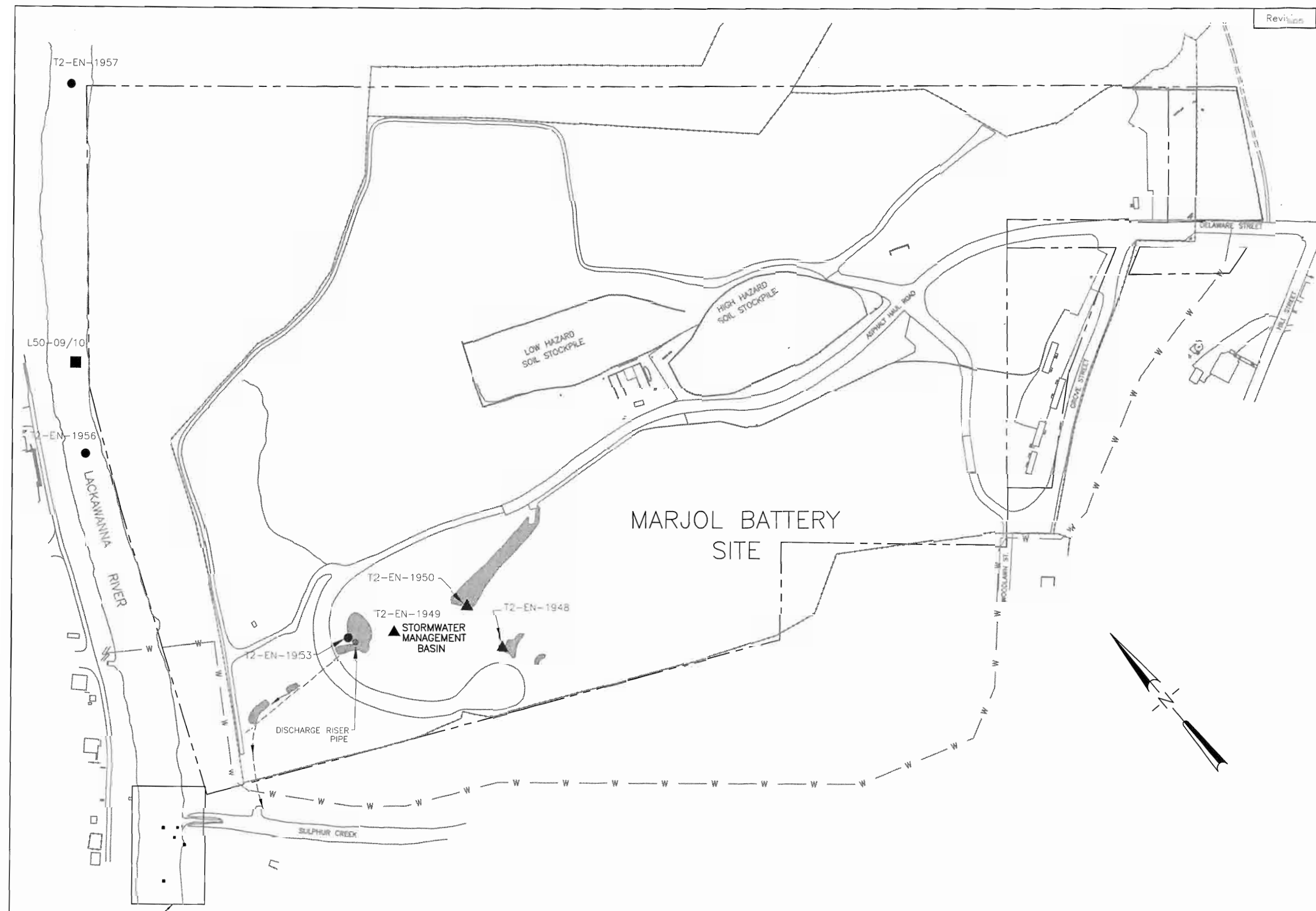
¹² Results in parenthesis represent the samples re-analysis results.

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

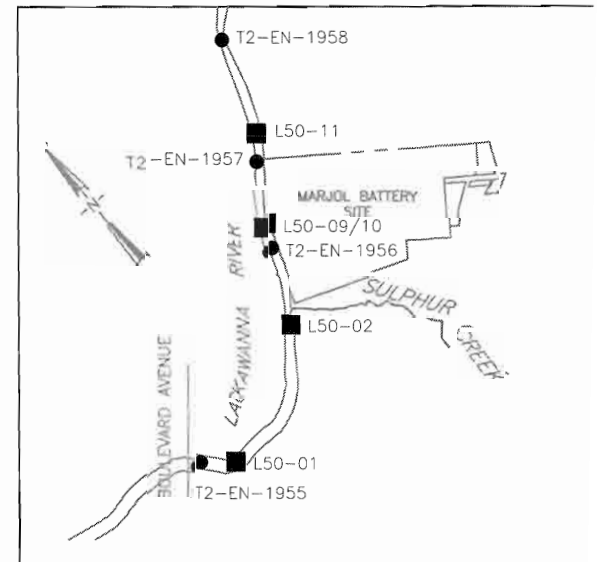


FIGURE

Revision	Description	Date	By
----------	-------------	------	----



SCALE 1" = 40' INSET No.1



NOT TO SCALE OVERVIEW No.1

INSET 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:

1. 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
2. Details concerning topography and physical features are shown on the "Current Conditions Plan".
3. 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 FOURTH QUARTER
SURFACE WATER AND SEDIMENT
SAMPLING LOCATION PLAN**

Scale: 1" = 200'
Originated By: A.W.D.
Drawn By: A.W.D.
Checked By: A.V.K.
Project Mgr: B.L.F.
Dwg No. 92002-MP-16
MAY 15 2007

Advanced GeoServices Corp
1055 Andrew Drive Suite A
West Chester, Pennsylvania 19380
(610) 440-9100
FAX: (610) 840-9199

Project No. 92-002-120-02	FIGURE: SMBP-1
------------------------------	----------------

ATTACHMENT

**Laboratory Surface Water Sample Results
and
Laboratory Sediment Sample Results**

**FOURTH QUARTER 2006
SURFACE WATER SAMPLES**

**FOURTH QUARTER 2006
SEDIMENT SAMPLES**

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

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

Prepared For:

**Gould Electronics
Eastlake, Ohio**

Prepared By:

**Advanced GeoServices
West Chester, Pennsylvania**

**May 15, 2007
92-002-120-03**

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APPENDIX

- A Hi-Volume Sampler Calibration Worksheets
- 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 4th 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 October, November, and December 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-3-101306).

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 fourth 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 have been 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 have operated within $\pm 5 \text{ ft}^3/\text{min}$ 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. Lead contamination was not 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 4th 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 cannot 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 criterion of 90 percent. There was one instance where the sampler did not operate for a sufficient amount of time. In addition, there were four occasions in which the sampler time of operation exceeded the mean and standard deviation range and four instances when the monitor ran outside the 5ft³/minute calibrated flow rate. The percent completeness for this quarter was 99%.

3.6 CORRECTIVE ACTION

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

- HV-1
October 2, Rebuilt motor installed, calibration performed and flow rate adjusted.
October 30, Timer adjusted to reflect the end daylight savings time.
November 14, Rebuilt motor installed, calibration performed and flow rate adjusted.
November 29, “Motor On” and “Motor Off” pins were reversed to proper position on the electrical timer.
- HV-2
October 30, Timer adjusted to reflect the end daylight savings time.
December 11, Rebuilt motor installed, calibration performed and flow rate adjusted.
- HV-3
October 30, Timer adjusted to reflect the end daylight savings time.
November 3, GFCI outlet on utility pole reset.
November 21, New motor installed, calibration performed and flow rate adjusted.
December 29, GFCI outlet on utility pole reset.
- HV-4
October 30, Timer adjusted to reflect the end daylight savings time.
December 11, Quarterly calibration performed and flow rate adjusted.

- HV-6
October 30, Timer adjusted to reflect the end daylight savings time.
December 29, Quarterly calibration performed and flow rate adjusted.
- HV-7
October 3, Rebuilt motor installed, calibration performed and flow rate adjusted.
October 30, Timer adjusted to reflect the end daylight savings time.

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 fourth 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 October, November, and December 2006 are presented in Table 1. The data from HV-3 on December 24, 2006 is considered unusable due to insufficient run time. The data for HV-1 on October 1, November 18, and November 24, 2006; and HV-7 on October 1, 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 October 25, December 12, and December 18, 2006; and HV-4 on October 1, 2007 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 4th Quarter 2006 data are as follows:

- Background (HV-7)

Range	0.003 - 0.043 $\mu\text{g}/\text{m}^3$
Average	0.011 $\mu\text{g}/\text{m}^3$

- Upwind (HV-4 and HV-6)

Range	0.002 - 0.037 $\mu\text{g}/\text{m}^3$
Average	0.009 $\mu\text{g}/\text{m}^3$

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

Range	0.001 - 0.058 $\mu\text{g}/\text{m}^3$
Average	0.010 $\mu\text{g}/\text{m}^3$

During the 4th 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
4TH QUARTER - OCTOBER 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
10/1/2006	10/3/2006	1	7788999	20810.3	20834.2	hrs	900.0	45	1146.99	4.8	2.0 U	4.8	0.004	2
10/1/2006	10/3/2006	2	7788998	5311.6	6757.9	min	1446.3	45	1843.21	9.7	2.0 U	9.7	0.005	
10/1/2006	10/3/2006	3	7788997	34208.4	35656.4	min	1448.0	45	1845.37	8.2	2.0 U	8.2	0.004	3
10/1/2006	10/3/2006	4	7788996	2765.3	2789.2	hrs	1433.4	45	1826.77	9.7	2.0 U	9.7	0.005	
10/1/2006	10/3/2006	6	7788995	13783.8	15204.5	min	1420.7	45	1810.58	8.1	2.0 U	8.1	0.004	
10/1/2006	10/3/2006	7	7788994	16165.1	16188.8	hrs	900.0	45	1146.99	5.0	2.0 U	5	0.004	2
10/7/2006	10/9/2006	1	7788974	20869.5	20893.6	hrs	1441.2	45	1836.71	85.8	2.0 U	85.8	0.047	
10/7/2006	10/9/2006	2	7788973	8869.3	10272.0	min	1402.7	45	1787.64	104.1	2.0 U	104.1	0.058	
10/7/2006	10/9/2006	3	7788972	37790.1	39207.7	min	1417.6	45	1806.63	91.8	2.0 U	91.8	0.051	
10/7/2006	10/9/2006	4	7788984	2789.2	2813.2	hrs	1437.6	45	1832.12	68.4	2.0 U	68.4	0.037	
10/7/2006	10/9/2006	6	7788985	15204.5	16654.3	min	1449.8	45	1847.67	54.2	2.0 U	54.2	0.029	
10/7/2006	10/9/2006	7	7788986	16188.8	16212.8	hrs	1440.6	45	1835.94	78.6	2.0 U	78.6	0.043	
10/13/2006	10/18/2006	1	7788956	20923.9	20947.8	hrs	1434.0	45	1827.53	10.4	2.0 U	10.4	0.006	
10/13/2006	10/18/2006	2	7788955	2257.3	3694.3	min	1437.0	45	1831.36	12.2	2.0 U	12.2	0.007	
10/13/2006	10/18/2006	3	7788954	41008.4	42472.5	min	1464.1	45	1865.89	11.8	2.0 U	11.8	0.006	
10/13/2006	10/18/2006	4	7788963	2813.2	2837.0	hrs	1433.4	45	1826.77	10.5	2.0 U	10.5	0.006	
10/13/2006	10/18/2006	6	7788964	16654.3	18141.7	min	1487.4	45	1895.59	11.6	2.0 U	11.6	0.006	
10/13/2006	10/18/2006	7	7788965	16212.8	16236.8	hrs	1444.2	45	1840.53	12.0	2.0 U	12	0.007	
10/19/2006	10/24/2006	1	7788948	20947.8	20971.9	hrs	1444.8	45	1841.30	12.5	2.0 U	12.5	0.007	
10/19/2006	10/24/2006	2	7788949	3694.3	5177.0	min	1482.7	45	1889.60	12.3	2.0 U	12.3	0.007	
10/19/2006	10/24/2006	3	7788950	42472.5	43920.8	min	1448.3	45	1845.76	12.5	2.0 U	12.5	0.007	
10/19/2006	10/24/2006	4	7788951	2837.0	2860.9	hrs	1433.4	45	1826.77	14.0	2.0 U	14	0.008	
10/19/2006	10/24/2006	6	7788952	18141.7	19574.0	min	1432.3	45	1825.37	13.0	2.0 U	13	0.007	
10/19/2006	10/24/2006	7	7788953	16236.8	16260.8	hrs	1439.4	45	1834.41	13.0	2.0 U	13	0.007	
10/25/2006	10/30/2006	1	7788947	20971.9	20995.6	hrs	1422.0	45	1812.24	2.3	2.0 U	2.3	0.001	
10/25/2006	10/30/2006	2	7788946	5177.0	6619.9	min	1442.9	45	1838.88	2.6	2.0 U	2.6	0.001	
10/25/2006	10/30/2006	3	7788945	43920.8	45363.3	min	1442.5	45	1838.37	2.8	2.0 U	2.8	0.002	
10/25/2006	10/30/2006	4	7788944	2860.9	2884.8	hrs	1433.4	45	1826.77	4.4	2.0 U	4.4	0.002	
10/25/2006	10/30/2006	6	7788943	19574.0	19983.1	min	1440.0	45	1835.18	3.0	2.0 U	3	0.002	
10/25/2006	10/30/2006	7	7788942	16260.8	16284.7	hrs	1434.6	45	1828.30	ND	2.0 U	ND	NC	
10/31/2006	11/3/2006	1	7788941	20995.6	21019.4	hrs	1425.6	45	1816.83	17.1	2.0 U	17.1	0.009	
10/31/2006	11/3/2006	2	7788940	6619.9	8135.3	min	1515.4	45	1931.27	19.2	2.0 U	19.2	0.010	
10/31/2006	11/3/2006	3	7788939	45363.3	46809.6	min	1446.3	45	1843.21	18.9	2.0 U	18.9	0.010	
10/31/2006	11/3/2006	4	7788938	2884.8	2908.7	hrs	1433.4	45	1826.77	19.2	2.0 U	19.2	0.011	
10/31/2006	11/3/2006	6	7788937	19983.1	21150.0	min	1500.0	45	1911.64	18.3	2.0 U	18.3	0.010	
10/31/2006	11/3/2006	7	7788936	16284.7	16308.9	hrs	1447.2	45	1844.36	20.5	2.0 U	20.5	0.011	

Notes:

Q - Qualifier.

U / ND - The analyte is not detected.

Timer Units are minutes (min) or hours (hrs).

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
4TH QUARTER - NOVEMBER 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
11/6/2006	11/7/2006	1	7788929	21019.4	21042.8	hrs	1406.4	45	1792.36	25.0	2.0 U	25	0.014	
11/6/2006	11/7/2006	2	7788930	8135.3	9581.5	min	1446.2	45	1843.08	30.8	2.0 U	30.8	0.017	
11/6/2006	11/7/2006	3	7788931	46809.6	48242.4	min	1432.8	45	1826.00	32.8	2.0 U	32.8	0.018	
11/6/2006	11/7/2006	4	7788933	2908.7	2932.7	hrs	1437.0	45	1831.36	30.2	2.0 U	30.2	0.016	
11/6/2006	11/7/2006	6	7788932	21150.0	22593.6	min	1443.6	45	1839.77	29.2	2.0 U	29.2	0.016	
11/6/2006	11/7/2006	7	7788934	16308.9	16332.8	hrs	1437.6	45	1832.12	34.1	2.0 U	34.1	0.019	
11/12/2006	11/14/2006	1	7788923	21042.8	21064.4	hrs	1294.8	45	1650.13	3.3	2.0 U	3.3	0.002	
11/12/2006	11/14/2006	2	7788924	9581.5	11065.9	min	1484.4	45	1891.76	7.6	2.0 U	7.6	0.004	
11/12/2006	11/14/2006	3	7788925	48242.4	49719.6	min	1477.2	45	1882.59	8.4	2.0 U	8.4	0.004	
11/12/2006	11/14/2006	4	7788927	2932.7	2956.5	hrs	1429.8	45	1822.18	6.0	2.0 U	6	0.003	
11/12/2006	11/14/2006	6	7788926	22593.6	24082.0	min	1488.4	45	1896.86	6.6	2.0 U	6.6	0.003	
11/12/2006	11/14/2006	7	7788928	16332.8	16357.2	hrs	1464.6	45	1866.53	7.0	2.0 U	7	0.004	
11/18/2006	11/21/2006	1	7788922	21064.4	21122.3	hrs	3471.6	45	4424.31	7.3	2.0 U	7.3	0.002	2
11/18/2006	11/21/2006	2	7788921	1065.9	2437.2	min	1371.3	45	1747.63	3.1	2.0 U	3.1	0.002	
11/18/2006	11/21/2006	3	7788920	49719.6	51138.6	min	1419.0	45	1808.42	2.6	2.0 U	2.6	0.001	
11/18/2006	11/21/2006	4	7788919	2956.5	2980.3	hrs	1427.4	45	1819.12	4.0	2.0 U	4	0.002	
11/18/2006	11/21/2006	6	7788918	24082.0	25485.7	min	1403.7	45	1788.92	3.1	2.0 U	3.1	0.002	
11/18/2006	11/21/2006	7	7788917	16357.2	16380.7	hrs	1408.8	45	1795.42	4.5	2.0 U	4.5	0.003	
11/24/2006	11/29/2006	1	7788916	21122.3	21227.3	hrs	6301.2	45	8030.44	139.0	2.0 U	139	0.017	2
11/24/2006	11/29/2006	2	7788915	2437.2	3830.1	min	1392.9	45	1775.15	14.6	2.0 U	14.6	0.008	
11/24/2006	11/29/2006	3	7788914	51138.6	52568.7	min	1430.1	45	1822.56	16.2	2.0 U	16.2	0.009	
11/24/2006	11/29/2006	4	7788913	2980.3	3004.3	hrs	1439.4	45	1834.41	18.9	2.0 U	18.9	0.010	
11/24/2006	11/29/2006	6	7788912	25485.7	26890.6	min	1404.9	45	1790.45	15.9	2.0 U	15.9	0.009	
11/24/2006	11/29/2006	7	7788911	16380.7	16404.5	hrs	1429.2	45	1821.42	23.5	2.0 U	23.5	0.013	
11/30/2006	12/4/2006	1	7788905	21227.3	21251.4	hrs	1445.4	45	1842.06	13.4	2.0 U	13.4	0.007	
11/30/2006	12/4/2006	2	7788906	3830.1	5262.4	min	1432.3	45	1825.37	13.4	2.0 U	13.4	0.007	
11/30/2006	12/4/2006	3	7788907	52568.7	53987.1	min	1418.4	45	1807.65	14.6	2.0 U	14.6	0.008	
11/30/2006	12/4/2006	4	7788909	3004.3	3028.2	hrs	1433.4	45	1826.77	15.0	2.0 U	15	0.008	
11/30/2006	12/4/2006	6	7788908	26890.6	28353.0	min	1462.4	45	1863.73	16.0	2.0 U	16	0.009	
11/30/2006	12/4/2006	7	7788910	16404.5	16428.2	hrs	1417.8	45	1806.89	19.4	2.0 U	19.4	0.011	

Notes:

Q - Qualifier.

U / ND - The analyte is not detected.

Timer Units are minutes (min) or hours (hrs).

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
4TH QUARTER - DECEMBER 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
12/6/2006	12/11/2006	1	7788904	21251.4	21275.0	hrs	1419.6	45	1809.18	20.0	2.0 U	20	0.011	
12/6/2006	12/11/2006	2	7788903	5262.4	6631.5	min	1369.1	45	1744.82	23.2	2.0 U	23.2	0.013	
12/6/2006	12/11/2006	3	7788902	53987.1	55409.3	min	1422.2	45	1812.49	12.3	2.0 U	12.3	0.007	
12/6/2006	12/11/2006	4	7788901	3028.2	3052.1	hrs	1433.4	45	1826.77	27.6	2.0 U	27.6	0.015	
12/6/2006	12/11/2006	6	7789800	28353.0	29840.2	min	1487.2	45	1895.33	27.1	2.0 U	27.1	0.014	
12/6/2006	12/11/2006	7	7789799	16428.2	16451.9	hrs	1425.0	45	1816.06	20.8	2.0 U	20.8	0.011	
12/12/2006	12/15/2006	1	7789792	21275.0	21298.2	hrs	1389.6	45	1770.95	13.3	2.0 U	13.3	0.008	
12/12/2006	12/15/2006	2	7789793	6631.5	8059.9	min	1428.4	45	1820.40	17.0	2.0 U	17	0.009	3
12/12/2006	12/15/2006	3	7789794	55409.3	56814.3	min	1405.0	45	1790.57	16.4	2.0 U	16.4	0.009	
12/12/2006	12/15/2006	4	7789796	3052.1	3076.0	hrs	1435.2	45	1829.06	14.0	2.0 U	14	0.008	
12/12/2006	12/15/2006	6	7789795	29840.2	31317.1	min	1476.9	45	1882.21	14.4	2.0 U	14.4	0.008	
12/12/2006	12/15/2006	7	7789797	16451.9	16475.9	hrs	1441.8	45	1837.47	15.0	2.0 U	15	0.008	
12/18/2006	12/20/2006	1	7789791	21298.2	21321.2	hrs	1383.0	45	1762.54	10.6	2.0 U	10.6	0.006	
12/18/2006	12/20/2006	2	7789790	8059.9	9458.6	min	1398.7	45	1782.55	13.9	2.0 U	13.9	0.008	3
12/18/2006	12/20/2006	3	7789789	56814.3	58230.2	min	1415.9	45	1804.47	15.9	2.0 U	15.9	0.009	
12/18/2006	12/20/2006	4	7789788	3076.0	3099.9	hrs	1433.4	45	1826.77	15.0	2.0 U	15	0.008	
12/18/2006	12/20/2006	6	7789787	31317.1	32711.8	min	1394.7	45	1777.45	14.2	2.0 U	14.2	0.008	
12/18/2006	12/20/2006	7	7789786	16475.9	16499.2	hrs	1395.0	45	1777.83	17.6	2.0 U	17.6	0.010	
12/24/2006	12/29/2006	1	7789785	21321.2	21344.2	hrs	1377.0	45	1754.89	6.0	2.0 U	6	0.003	
12/24/2006	12/29/2006	2	7789784	9458.6	9543.0	min	1425.0	45	1816.06	5.2	2.0 U	5.2	0.003	
12/24/2006	12/29/2006	3	7789783	58230.2	58230.2	min	0.0	45	0.00	ND	2.0 U	ND	NC	1
12/24/2006	12/29/2006	4	7789782	3099.9	3123.8	hrs	1433.4	45	1826.77	7.3	2.0 U	7.3	0.004	
12/24/2006	12/29/2006	6	7789781	32711.8	34094.2	min	1382.4	45	1761.73	6.8	2.0 U	6.8	0.004	
12/24/2006	12/29/2006	7	7789780	16499.2	16522.4	hrs	1390.8	45	1772.48	5.8	2.0 U	5.8	0.003	
12/30/2006	1/4/2007	1	7789774	21344.2	21367.7	hrs	1413.0	45	1800.77	11.6	2.0 U	11.6	0.006	
12/30/2006	1/4/2007	2	7789775	9543.0	9608.3	min	1470.0	45	1873.41	11.6	2.0 U	11.6	0.006	
12/30/2006	1/4/2007	3	7789776	58230.2	59658.7	min	1428.5	45	1820.52	13.4	2.0 U	13.4	0.007	
12/30/2006	1/4/2007	4	7789778	3123.8	3147.7	hrs	1434.0	45	1827.53	12.4	2.0 U	12.4	0.007	
12/30/2006	1/4/2007	6	7789777	34094.2	35520.7	min	1426.5	45	1818.01	12.4	2.0 U	12.4	0.007	
12/30/2006	1/4/2007	7	7789779	16522.4	16546.2	hrs	1430.4	45	1822.94	14.1	2.0 U	14.1	0.008	

Notes:

Q - Qualifier.

U / ND - The analyte is not detected.

Timer Units are minutes (min) or hours (hrs).

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
4TH QUARTER 2006

DATE SAMPLED	WINDSPEED (MPH)	WIND DIRECTION (DEGREES)
10/1/2006	6.3	221
10/7/2006	5.9	70
10/13/2006	7.3	218
10/19/2006	5.0	222
10/25/2006	10.7	329
10/31/2006	4.9	233
11/6/2006	3.3	165
11/12/2006	8.0	13
11/18/2006	7.6	341
11/24/2006	3.5	47
11/30/2006	5.6	214
12/6/2006	7.3	207
12/12/2006	4.1	156
12/18/2006	6.6	283
12/24/2006	10.0	264
12/30/2006	8.8	297

The degree and compass point correlations are:

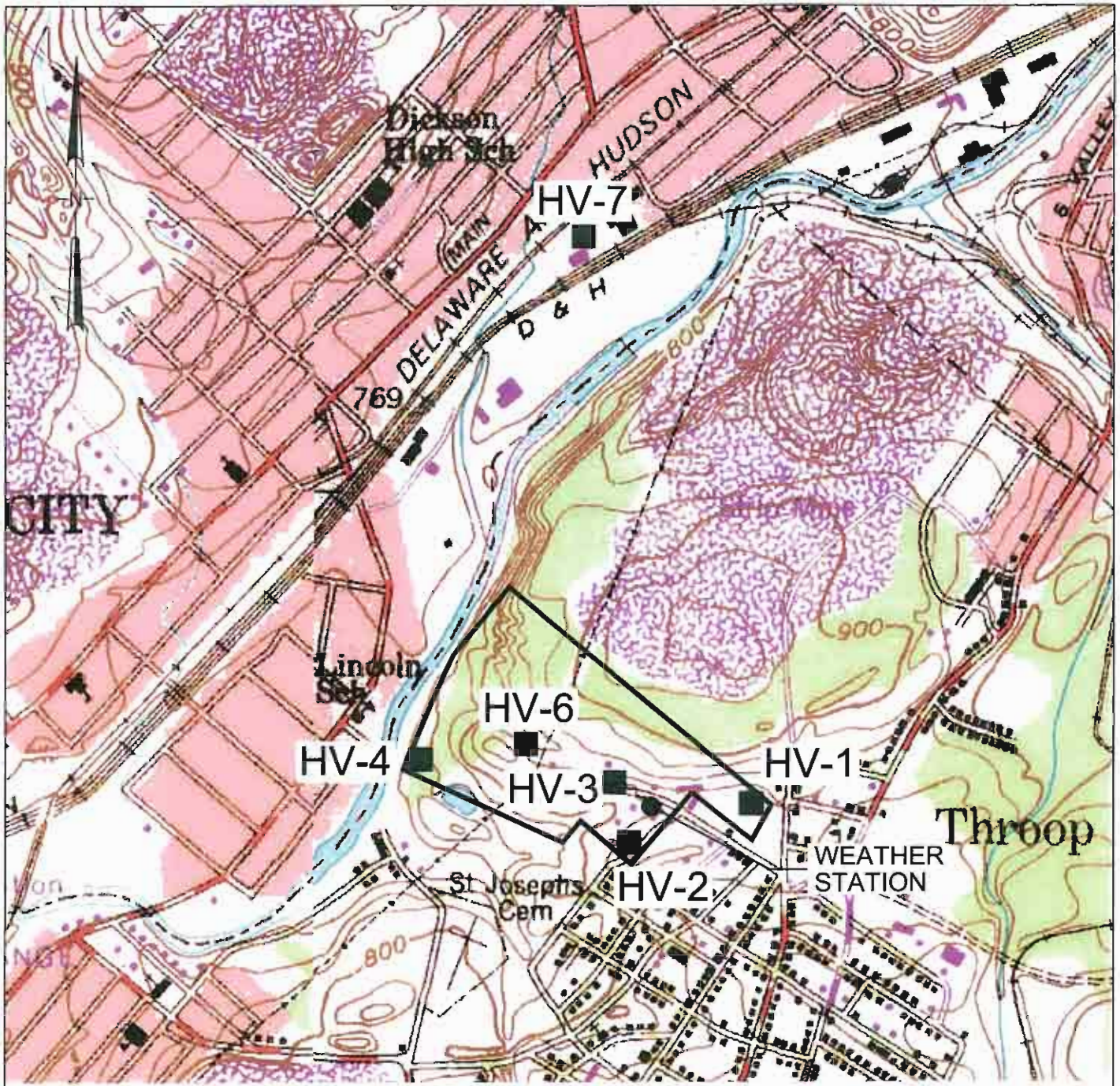
0 degrees	-	North
45 degrees	-	Northeast
90 degrees	-	East
135 degrees	-	Southeast
180 degrees	-	South
225 degrees	-	Southwest
270 degrees	-	West
315 degrees	-	Northwest

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.



SCALE FEET
 0 250 500 1000

MARJOL BATTERY SITE

THROOP BOROUGH, LACKAWANNA COUNTY, PENNSYLVANIA

Scale 1"=1000'	HIGH VOLUME SAMPLER LOCATIONS
Originated By A.W.C.	
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.C.	
Project Mgr B.L.F.	
Dwg No 32002-17	
92-002 MP	FIGURE: 1

APPENDIX A

HI-VOLUME SAMPLER CALIBRATION WORKSHEETS

MARJOL BATTERY SITE
HIGH VOLUME AIR SAMPLER
CALIBRATION WORKSHEET

Date: 10/2/2006
Calibrator's name: Lisa M. Ayers

Calibration Orifice

Make: GRASEBY Serial Number: 81K
Model: GS2310 Date Certified: 2/14/2006
m: 1.9412
b: -0.022

Conditions
Barometric pressure (in. Hg) 30.2
Temperature (C) 9.833

LOCATION: HV-1

HI-VOL ID: _____

Resistant Plate Number	Orifice manometer inches H2O		Dickson Flow Recorder Reading	Corrected Dickson Flow Recorder Reading	Actual Flow Rate ft3/min (Calculated)
	left	right			
18	4	3.9	44.0	46.6	53.1
13	3	2.9	40.0	42.3	46.0
10	2.2	2.1	35.0	37.0	39.3
7	1.2	1.1	27.0	28.6	28.9
5	0.6	0.5	20.0	21.2	20.1

Slope = 0.74 Intercept = 5.64
Calibrated Dickson reading for 45cfm flow = 38.7
Correlation: 0.9984

LOCATION: HV-2

HI-VOL ID: _____

Resistant Plate Number	Orifice manometer inches H2O		Dickson Flow Recorder Reading	Corrected Dickson Flow Recorder Reading	Actual Flow Rate ft3/min (Calculated)
	left	right			
18					
13					
10					
7					
5					

Slope = #DIV/0! Intercept = #DIV/0!
Calibrated Dickson reading for 45cfm flow = #DIV/0!
Correlation: #####

LOCATION: HV-3

HI-VOL ID: _____

Resistant Plate Number	Orifice manometer inches H2O		Dickson Flow Recorder Reading	Corrected Dickson Flow Recorder Reading	Actual Flow Rate ft3/min (Calculated)
	left	right			
18					
13					
10					
7					
5					

Slope = #DIV/0! Intercept = #DIV/0!
Calibrated Dickson reading for 45cfm flow = #DIV/0!
Correlation: #####

LOCATION: HV-4

HI-VOL ID: _____

Resistant Plate Number	Orifice manometer inches H2O		Dickson Flow Recorder Reading	Corrected Dickson Flow Recorder Reading	Actual Flow Rate ft3/min (Calculated)
	left	right			
18					
13					
10					
7					
5					

Slope = #DIV/0! Intercept = #DIV/0!
Calibrated Dickson reading for 45cfm flow = #DIV/0!
Correlation: #####

MARJOL BATTERY SITE
HIGH VOLUME AIR SAMPLER
CALIBRATION WORKSHEET

Date: 11/14/2006
Calibrator's name: Lisa M. Ayers

Conditions	
Barometric pressure (in. Hg)	<u>29.79</u>
Temperature (C)	<u>9.06</u>

LOCATION: HV-1

HI-VOL ID: _____

Resistant Plate Number	Orifice manometer inches H2O		Dickson Flow Recorder Reading	Corrected Dickson Flow Recorder Reading	Actual Flow Rate ft3/min (Calculated)
	left	right			
18	2.3	7.7	56.0	59.0	59.4
13	1.1	7.1	49.0	51.7	53.8
10	0.3	6.6	44.0	46.4	49.4
7	1	5	38.0	40.1	46.1
5	1.5	4.1	34.0	35.8	44.6

Slope = 1.43 Intercept = -28.33
Calibrated Dickson reading for 45cfm flow = 36.1
Correlation: 0.9912

LOCATION: HV-3

HI-VOL ID: _____

Resistant Plate Number	Orifice manometer inches H2O		Dickson Flow Recorder Reading	Corrected Dickson Flow Recorder Reading	Actual Flow Rate ft3/min (Calculated)
	left	right			
18					
13					
10					
7					
5					

Slope = #DIV/0! Intercept = #DIV/0!
Calibrated Dickson reading for 45cfm flow = #DIV/0!
Correlation: #####

Calibration Orifice

Make:	<u>GRASEBY</u>	Serial Number:	<u>81K</u>
Model:	<u>GS2310</u>	Date Certified:	<u>2/14/2006</u>
m:	<u>1.9412</u>		
b:	<u>-0.022</u>		

LOCATION: HV-2

HI-VOL ID: _____

Resistant Plate Number	Orifice manometer inches H2O		Dickson Flow Recorder Reading	Corrected Dickson Flow Recorder Reading	Actual Flow Rate ft3/min (Calculated)
	left	right			
18					
13					
10					
7					
5					

Slope = #DIV/0! Intercept = #DIV/0!
Calibrated Dickson reading for 45cfm flow = #DIV/0!
Correlation: #####

LOCATION: HV-4

HI-VOL ID: _____

Resistant Plate Number	Orifice manometer inches H2O		Dickson Flow Recorder Reading	Corrected Dickson Flow Recorder Reading	Actual Flow Rate ft3/min (Calculated)
	left	right			
18					
13					
10					
7					
5					

Slope = #DIV/0! Intercept = #DIV/0!
Calibrated Dickson reading for 45cfm flow = #DIV/0!
Correlation: #####

MARJOL BATTERY SITE
HIGH VOLUME AIR SAMPLER
CALIBRATION WORKSHEET

Date: 11/21/2006
Calibrator's name: Lisa M. Ayers

Calibration Orifice

Make: GRASEBY Serial Number: 81K
Model: GS2310 Date Certified: 2/14/2006
m: 1.9412
b: -0.022

Conditions

Barometric pressure (in. Hg)	<u>29.733</u>
Temperature (C)	<u>10.2</u>

LOCATION: HV-1

HI-VOL ID: _____

Resistant Plate Number	Orifice manometer inches H2O		Dickson Flow Recorder Reading	Corrected Dickson Flow Recorder Reading	Actual Flow Rate ft3/min (Calculated)
	left	right			
18					
13					
10					
7					
5					

Slope = #DIV/0! Intercept = #DIV/0!
Calibrated Dickson reading for 45cfm flow = #DIV/0!
Correlation: #####

LOCATION: HV-2

HI-VOL ID: _____

Resistant Plate Number	Orifice manometer inches H2O		Dickson Flow Recorder Reading	Corrected Dickson Flow Recorder Reading	Actual Flow Rate ft3/min (Calculated)
	left	right			
18					
13					
10					
7					
5					

Slope = #DIV/0! Intercept = #DIV/0!
Calibrated Dickson reading for 45cfm flow = #DIV/0!
Correlation: #####

LOCATION: HV-3

HI-VOL ID: _____

Resistant Plate Number	Orifice manometer inches H2O		Dickson Flow Recorder Reading	Corrected Dickson Flow Recorder Reading	Actual Flow Rate ft3/min (Calculated)
	left	right			
18	4.5	5.3	63.0	66.1	58.6
13	3.5	4.2	57.0	59.8	52.0
10	2.7	3.3	48.0	50.3	46.0
7	1.7	2.3	41.0	43.0	37.6
5	1	1.5	35.0	36.7	29.8

Slope = 0.99 Intercept = 4.30
Calibrated Dickson reading for 45cfm flow = 49.0
Correlation: 0.9935

LOCATION: HV-4

HI-VOL ID: _____

Resistant Plate Number	Orifice manometer inches H2O		Dickson Flow Recorder Reading	Corrected Dickson Flow Recorder Reading	Actual Flow Rate ft3/min (Calculated)
	left	right			
18					
13					
10					
7					
5					

Slope = #DIV/0! Intercept = #DIV/0!
Calibrated Dickson reading for 45cfm flow = #DIV/0!
Correlation: #####

MARJOL BATTERY SITE
HIGH VOLUME AIR SAMPLER
CALIBRATION WORKSHEET

Date: 12/11/2006

Calibrator's name: Adam Doubleday

Calibration Orifice

Make: GRASEBY Serial Number: 81K
 Model: GS2310 Date Certified: 2/14/2006
m: 1.9412
b: -0.022

Conditions

Barometric pressure (in. Hg) 29.395
 Temperature (C) 10.029

LOCATION: HV-1

HI-VOL ID: _____

Resistant Plate Number	Orifice manometer inches H2O		Dickson Flow Recorder Reading	Corrected Dickson Flow Recorder Reading	Actual Flow Rate ft3/min (Calculated)
	left	right			
18					
13					
10					
7					
5					

Slope = #DIV/0! Intercept = #DIV/0!
 Calibrated Dickson reading for 45cfm flow = #DIV/0!
 Correlation: #####

LOCATION: HV-2

HI-VOL ID: _____

Resistant Plate Number	Orifice manometer inches H2O		Dickson Flow Recorder Reading	Corrected Dickson Flow Recorder Reading	Actual Flow Rate ft3/min (Calculated)
	left	right			
18	4.4	4.3	53.0	55.3	55.0
13	3.85	3.75	51.0	53.2	51.4
10	3.05	2.95	45.5	47.5	45.7
7	1.65	1.6	34.0	35.5	33.8
5	1.1	1.05	29.0	30.3	27.5

Slope = 0.90 Intercept = 3.96
 Calibrated Dickson reading for 45cfm flow = 44.6
 Correlation: 0.9988

LOCATION: HV-3

HI-VOL ID: _____

Resistant Plate Number	Orifice manometer inches H2O		Dickson Flow Recorder Reading	Corrected Dickson Flow Recorder Reading	Actual Flow Rate ft3/min (Calculated)
	left	right			
18					
13					
10					
7					
5					

Slope = #DIV/0! Intercept = #DIV/0!
 Calibrated Dickson reading for 45cfm flow = #DIV/0!
 Correlation: #####

LOCATION: HV-4

HI-VOL ID: _____

Resistant Plate Number	Orifice manometer inches H2O		Dickson Flow Recorder Reading	Corrected Dickson Flow Recorder Reading	Actual Flow Rate ft3/min (Calculated)
	left	right			
18	5.55	5.8	60.5	63.1	62.7
13	4.45	4.6	54.5	56.9	56.1
10	3.3	3.4	48.0	50.1	48.3
7	2.3	2.35	40.0	41.7	40.3
5	1.4	1.45	32.0	33.4	31.6

Slope = 0.92 Intercept = 3.12
 Calibrated Dickson reading for 45cfm flow = 44.4
 Correlation: 0.9996

MARJOL BATTERY SITE
HIGH VOLUME AIR SAMPLER
CALIBRATION WORKSHEET

Date: 12/29/2006
Calibrator's name: Adam Doubleday

Calibration Orifice

Make: GRASEBY Serial Number: 81K
Model: GS2310 Date Certified: 2/14/2006
m: 1.9412
b: -0.022

Conditions
Barometric pressure (in. Hg) 29.523
Temperature (C) -0.75589

LOCATION: HV-6 HI-VOL ID: _____

Resistant Plate Number	Orifice manometer inches H2O		Dickson Flow Recorder Reading	Corrected Dickson Flow Recorder Reading	Actual Flow Rate ft3/min (Calculated)
	left	right			
18	5.2	5.4	53.5	58.2	62.0
13	4.2	4.3	48.0	52.2	55.5
10	3.25	3.3	42.0	45.7	48.8
7	2.1	2.15	35.0	38.1	39.4
5	1.3	1.35	28.0	30.4	31.2

Slope = 0.82 Intercept = 2.36
Calibrated Dickson reading for 45cfm flow = 39.4
Correlation: 0.9996

LOCATION: HV-7 HI-VOL ID: _____

Resistant Plate Number	Orifice manometer inches H2O		Dickson Flow Recorder Reading	Corrected Dickson Flow Recorder Reading	Actual Flow Rate ft3/min (Calculated)
	left	right			
18					
13					
10					
7					
5					

Slope = #DIV/0! Intercept = #DIV/0!
Calibrated Dickson reading for 45cfm flow = #DIV/0!
Correlation: #####

LOCATION: Storage HI-VOL ID: _____

Resistant Plate Number	Orifice manometer inches H2O		Dickson Flow Recorder Reading	Corrected Dickson Flow Recorder Reading	Actual Flow Rate ft3/min (Calculated)
	left	right			
18					
13					
10					
7					
5					

Slope = #DIV/0! Intercept = #DIV/0!
Calibrated Dickson reading for 45cfm flow = #DIV/0!
Correlation: #####

LOCATION: Storage HI-VOL ID: _____

Resistant Plate Number	Orifice manometer inches H2O		Dickson Flow Recorder Reading	Corrected Dickson Flow Recorder Reading	Actual Flow Rate ft3/min (Calculated)
	left	right			
18					
13					
10					
7					
5					

Slope = #DIV/0! Intercept = #DIV/0!
Calibrated Dickson reading for 45cfm flow = #DIV/0!
Correlation: #DIV/0!

LOCATION: Storage HI-VOL ID: _____

LOCATION: Storage HI-VOL ID: _____

APPENDIX B

**ORIFICE TRANSFER STANDARD CERTIFICATION
WORKSHEET**

APPENDIX C

FIRST ANALYTICAL LABORATORIES DATA

OCTOBER 2006 SAMPLES

NOVEMBER 2006 SAMPLES

DECEMBER 2006 SAMPLES

APPENDIX D

DATA EVALUATION CHECKLISTS

APPENDIX E

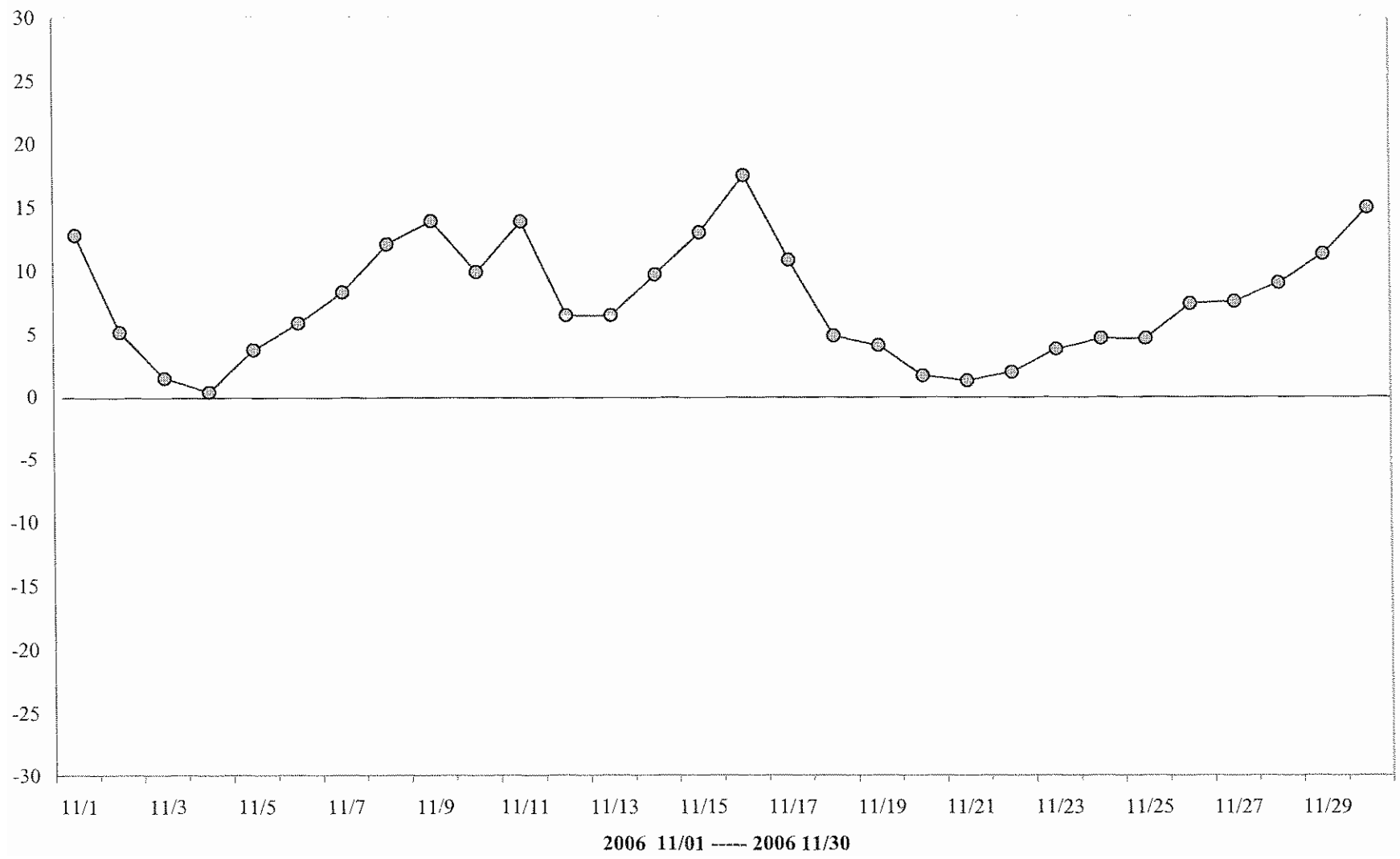
AIR MONITORING PROGRAM CHECKLISTS

APPENDIX F
CLIMATOLOGICAL DATA

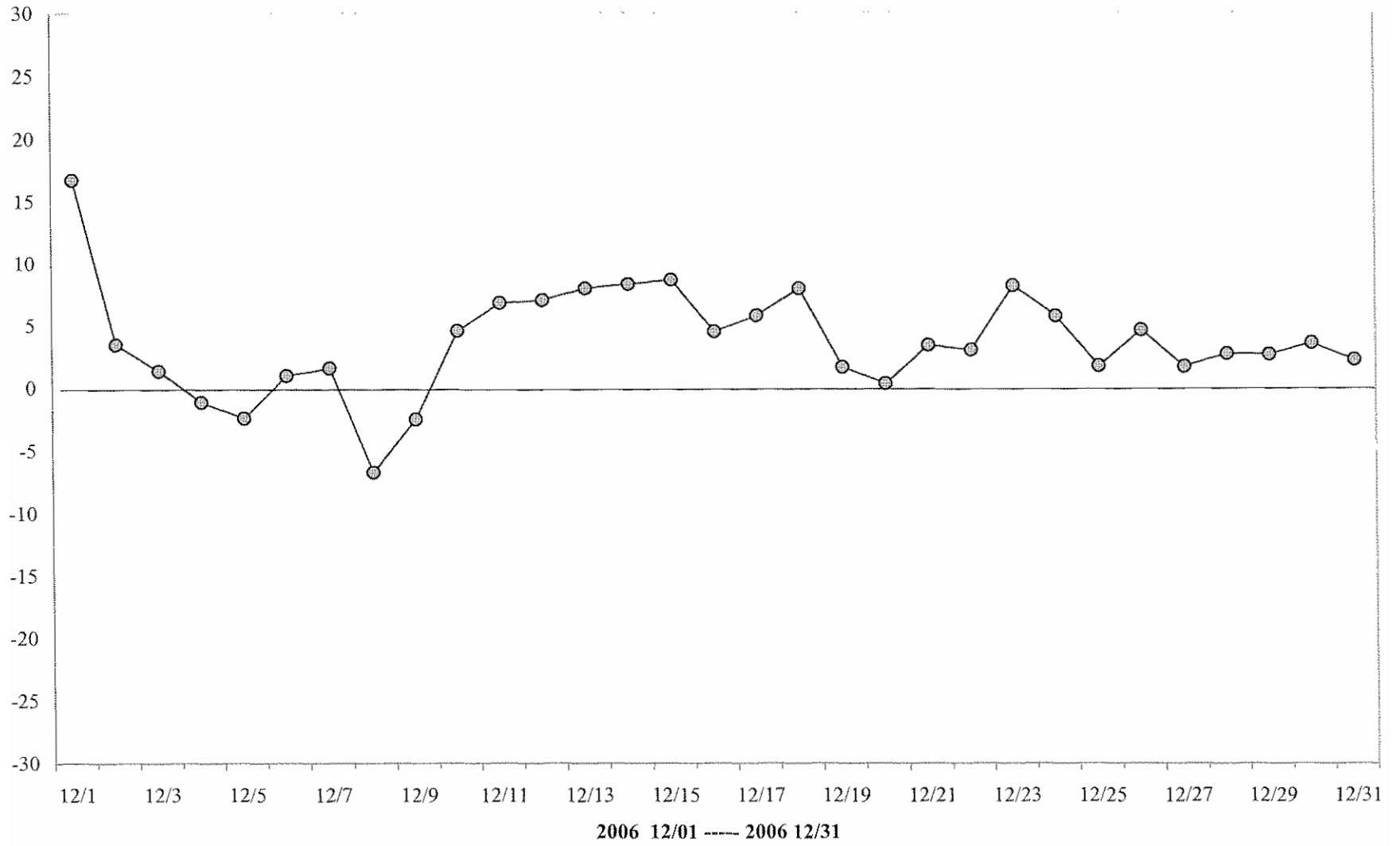
AT (Deg C) TREND CHART



AT (Deg C) TREND CHART



AT (Deg C) TREND CHART



THROOP BOROUGH COUNCIL
MEETING NOTES

NOTES FROM THROOP BOROUGH COUNCIL
January 11, 2007 (Special Monthly Meeting)

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

January 11, 2007

Council Members :

James Barnick - Vice President
Joseph Barone
Ray Jarosh
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:

- * “Marjol Meeting – Thursday, Jan. 18, 2007 at 6:30 p.m. at the Civic Center.”
Tom Lukasewicz said this was a very important meeting and he urged all interested people to attend.
- * “Throop Borough Council will conduct a Public Hearing on Mon., Jan. 29, 2007 at 6:00 p.m. regarding the request of JMF Development for a Conditional Use Permit. The Monthly Work Session/Meeting will follow at 6:30 p.m.”.
- * “The Council Work Sessions and Meetings for 2007 will be held on the 2nd Thursdays of the month and the last Mondays of the month. The Work Sessions will begin at 6:30 p.m. and the meetings will follow, any changes will be advertised.”
- * “A CDBG Public Hearing will be held Thurs., Feb. 8, 2007 beginning at 6:00 p.m. The mid-month Work Session/Meeting will follow at 6:30 p.m.”
- * An Executive Session was held at 6:30 p.m. to discuss the Maid Rite lawsuit.
- * The Lackawanna County Board of Elections will meet on Thurs., Jan. 25, 2007 at 11:00 a.m. and consider the request for consolidation of a centralized voting location for Throop at the Civic Center.

AUDIENCE COMMENTS ON THE AGENDA:

- * Marie McColligan commented regarding a lawsuit filed by 26 residents against Maid Rite. It was noted that Atty. Cimini had spoken with the residents’ attorney, J. Ratchford.

- * Pat Regan also commented on Maid Rite. He spoke of a smoke cloud from Maid Rite and grease from Maid Rite on furniture and cars. Tom Lukasewicz read correspondence from the Borough to PADEP requesting an update on the status of requirements for Maid Rite under the 9/25/06 Consent Order and Agreement with PADEP. A discussion took place.

THE MEETING:

- * A motion was passed, "To ratify the amount of the (TAN) Tax Anticipation Note is two (2) million dollars at FNCB at 3.95% as per Throop Borough Resolution #28 of 2006 adopted at the monthly meeting on December 27, 2006." (All in favor.)
- * A motion was passed, "To adopt Throop Borough Resolution #1 of 2007, a resolution to invest two (2) million dollars at FNCB at a rate of 5%." (All in favor.)
- * A motion was passed, "To approve Application for Payment #1 in the amount of \$214,580.07 to American Asphalt Paving Co. for the 2006 Street Paving Program as approved by the Borough Engineer, Robert Nitch, Peters Design Group, Inc. (\$75,000.00 will be paid from the Liquid Fuels account and \$139,580.07 will be paid from the General Fund Account.)" Initially, Jim Barnick was going to make a motion to table this motion, but then Tom Lukasewicz suggested that the motion be voted on and approved as long as Robert Kalinoski approved of the payment. It was discussed that there was a 10% retainage fee. (All in favor.)
- * A motion was passed to appoint Jerry Barone as interim Fire Marshal for 2007. (All in favor.) Before this motion was made, Elaine Morrell explained that in the past, the fire companies had done a rotation of appointing Fire Marshall and Assistant Fire Marshal. This year, Maurice Menichetti (Hose Co. #2), who had served his 2 years as Asst. Fire Marshal was to be Fire Marshal. Mr. Menichetti changed his affiliation from Hose Co. #2 to Hose Co. #3 which led to a discussion of who should be Fire Marshal. Jerry Barone had been Fire Marshal in 2006. Christine Hartshorn spoke on behalf of Hose Co. #2 and said Hose Co. #2 would like to appoint Eric Hartshorn as Fire Marshal. A discussion took place. Council members did not make a motion to appoint any one for the position, so Tom Lukasewicz suggested a motion to leave Jerry Barone in the position (if he agreed) for the time being until a decision could be made as to how to handle the situation.

MOTIONS NOT ON THE WRITTEN AGENDA:

- * A motion was passed to accept Change Order #1 from American Asphalt Paving Co. regarding the 2006 Street Paving Project - a deduct of \$9,680.68 for liquidated damages. (All in favor.) "On the question", Tom Lukasewicz asked Atty. Cimini if American Asphalt was in agreement. Atty. Cimini said it was.

- * A motion was passed for Throop Borough to join the citizens' lawsuit against Maid Rite which was filed in the Lackawanna County Court of Common Pleas. (Chrzan abstained; rest in favor.) "On the question", Jim Barnick requested that copies of all correspondence be requested from PADEP. Resident, Pat Regan, commented that the fumes from Maid Rite burn your eyes and nose.

OFFICIAL COMMENTS

- * Mayor Lukowski urged everyone to attend the meeting on Marjol on January 18th. Tom Lukasewicz stated it was a last effort for the Borough.

AUDIENCE COMMENTS ON NEW BUSINESS

- * Dominick Rocco suggested that Dickson City be notified of the upcoming Marjol meeting.
- * Betty Goreschek suggested that a letter be sent to Olyphant as well regarding the Marjol Meeting.
- * Joe Wargo asked why Marjol wasn't told to move the batteries out at the time (when they were being placed there).
- * Christine Hartshorn asked if the 2006 final hose company allotment would be released to Hose Co. #2. Tom Lukasewicz said the checks would be released if the information requested by Council was provided by the Hose Companies. A discussion ensued regarding consolidation of Throop Borough's three Hose Companies. Mrs. Hartshorn stated that Hose Co. #2 was not interested in consolidation. It was discussed that a mandatory meeting would be set up to discuss consolidation with the three Hose Companies.

Mrs. Hartshorn noted that the swearing in of Hose Co. #2 officers and Fire Police would be held on Sunday, February 4, 2007, at 1:00 pm. Mrs. Hartshorn said Council was welcome to attend.

NOTES FROM THROOP BOROUGH COUNCIL
January 29, 2007 (Monthly Meeting)

**NOTES FROM THROOP BOROUGH COUNCIL
MONTHLY MEETING**

January 29, 2007

Council Members :

James Barnick - Vice President
Joseph Barone
Ray Jarosh
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) - **absent**
Lenore Dolan (Assistant Treasurer)

ANNOUNCEMENTS:

- * “An Executive Session was held on Thursday, January 18, 2007 at 6:30 pm with members of Teamsters Local Union 229 to discuss the wage re-opener for March 2007.”
- * “February 8, 2007 – Public Hearing at 6:00 pm for the FFY year 2007 CDBG. The mid-month general purpose work session will be held at 6:30 and the meeting will follow.”
- * “A Special Work Session/Meeting will be held on Monday, February 12, 2007 at 6:30 pm. Purpose to meet with all three Throop Hose Companies.”

AUDIENCE COMMENTS ON THE AGENDA:

- * Bob Bolus commented regarding Motion #16, a motion “To adopt Throop Borough ordinance #2 of 2007, an ordinance prohibiting parking on Sanderson St./Marshwood Road (S.R. 2008) from Hall St. to Keystone Industrial Park Road and on Underwood Road extending 1000 feet from its intersection with Sanderson St./Marshwood Road (S.R. 2008).” Mr. Bolus was concerned with how the Ordinance would impact his business. A discussion ensued.
- * Daryl Menichetti also commented on Motion #16. Ms. Menichetti requested clarification as to whether the Ordinance prohibited parking on the street or in the right of way. A discussion took place.

THE MEETING:

- * A motion was passed, “To accept the monthly zoning reports.” (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 employees.)
- * A motion was passed, "To appoint Officer Keith Jones as Acting Chief while Chief Furiosi is on Heart & Lung." (All in favor.)
- * Motions were passed accepting the resignation of Karen Horvath as a childcare provider at the Civic Center and of Patrolman David Posluszny as a police officer with the Throop Police Department. (All in favor of both motions.)
- * A motion was passed, "To adopt Throop Borough Resolution #3, a resolution to acknowledge the Interjurisdictional Agreement with the Lackawanna River Basin Sewer Authority dated the 29th day of March 1993, and the adoption of the Discharge Resolution of the Authority on the 30th of January 1996. Upon the request of USEPA, the LRBSA has revised its Discharge Resolution. A copy is on file." (All in favor.)
- * A motion was passed, "To authorize payment in the amount of \$7,810.85 to Scottsdale Insurance toward the deductible amount due regarding Christine Hartshorn vs. Throop Borough." (All in favor.)
- * A motion was passed, "To purchase a Sunny Day Fund CD in the amount of \$61,904.27. This represents 10% of the Quarterly Host Municipality Fee." (All in favor.) "On the question", Mr. Barnick asked if this was 10% of the Borough's maximum. Elaine Morrell stated that since it was the start of a new year, the Borough can take 10% until it hits its maximum.
- * A motion was passed, "To authorize payment from the Capital Projects Account to SDA Architects in the amount of \$2,861.94 for professional services on the DPW Garage Project." (All in favor.)
- * A motion was passed, "To open a Special Account as required, Resolution #5 of 2007, for 'Highway Transfer (Turnback) Program'. The payment in the amount of \$119,438.95 was electronically deposited into the Liquid Account. The state now requires a special account be opened for the Turnback only." (All in favor.) "On the question", Jim Barnick asked if this account would affect the Borough's grant (\$160,000). Mr. Barnick asked if George Street was going to be deeded back to the Borough. A discussion took place.
- * A motion was passed, "To appoint Peters Design Group, Inc. as the engineer for the Throop Borough Planning Agency." (All in favor.)
- * A motion was passed, "To adopt an Ordinance prohibiting parking on Sanderson St./Marshwood Road (S.R. 2008) from Hall St. to Keystone Industrial Park Road and on Underwood Road extending 1000 feet from its intersection with Sanderson St./Marshwood Road (S.R. 2008). (All in favor.) "On the question", Mr. Barnick wanted it put on the record that many complaints had been received from citizens and from the school. He said that vehicles being parked on the shoulder of the road and in the triangle were creating a dangerous situation. Mr. Barnick said the

ordinance would not affect Mr. Bolus's parking at his business. Tom Lukasewicz wanted it put on the record that the Ordinance does not have anything to do with Mr. Bolus and his business and is not intended to hurt his business or any other businesses in the area.

MOTIONS NOT ON THE WRITTEN AGENDA:

- * A motion was passed to accept the petition from School Side Estates residents regarding the drainage throughout the properties; to forward the petition to the Borough solicitor for his review and to the principals of School Side Estates requesting a written response from them within 5 days and also requesting that a representative of School Side Estates attend the next meeting. (All in favor.)
- * A motion was passed to ratify a \$0.55 per hour wage increase for the re-opener of the March 2007-2008 contract with the DPW workers (Teamsters Local Union 229 members.) (All in favor.)
- * A motion was passed to solicit bids for a bucket truck. Specs will be prepared by Robert Kalinoski, Throop Borough Streets Commissioner. It was noted that the money for the bucket truck will come from an \$80,000 grant secured from Senator Mellow's office. (All in favor.)
- * A motion was passed to appoint Maurice Menichetti as Throop Borough Fire Marshal for 2007. (All in favor.)
- * A motion was passed to authorize the Borough Engineer to prepare specs and place bids for the Oleckna Street Storm and Sanitary Sewer Project. (All in favor.) "On the question", Jim Barnick commented on the schedule for opening the bids stating that the sewer line was not going to last. Tom Lukasewicz stated that his only concern was that the traffic be re-routed so as to not cause a burden in the area.

COMMENTS FROM BOROUGH OFFICIALS:

- * Tom Lukasewicz stressed the importance of the Eddy Creek Project.
- * Jim Barnick noted that the Lackawanna County Commissioners were meeting on February 1, 2007 at 5:00 p.m. with the municipalities regarding the Post Closure Trust Fund.

AUDIENCE COMMENTS ON NEW BUSINESS

- * Joe Keyasko asked what was going on with Marjol. Tom Lukasewicz said that "it appears they are going to do what they want to do". Mr. Keyasko brought up the high-haz pile and said that it was only supposed to be temporary. Mayor Lukowski told Mr. Keyasko to "blame Philadelphia." Mr. Keyasko told Council to go to court and file against Gould and EPA. Mr. Keyasko told Council not to be afraid of EPA. Mr. Keyasko noted an ordinance in the Borough prohibiting hazardous landfills and told Council to file charges. Mr. Keyasko pointed out that

removal was done in West Point. Mr. Keyasko told Council, "you have to make noise or you're out of business."

NOTES FROM THROOP BOROUGH COUNCIL
February 8, 2007 (Special Monthly Meeting)

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

February 8, 2007

Council Members :

James Barnick - Vice President - **absent**
Joseph Barone
Ray Jarosh
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:

- * "A Special Work Session/Meeting will be held on Monday, February 12, 2007 at 6:30 pm. Purpose to meet with all three Throop Volunteer Hose Companies."

AUDIENCE COMMENTS ON THE AGENDA:

- * Robert Davis, Throop Borough's Grantsman, updated Council on his progress with grant applications including grants for the Eddy Creek Sewer Line Project. The grantsman also noted that there are grants available for the Borough's fire companies and stated he would be happy to assist the fire companies with these grants. Tom Lukasewicz asked the grantsman to look into securing funds for elderly housing - new units dedicated exclusively for the elderly.

THE MEETING:

- * A motion was passed, "To accept the minutes of the December 14, 2006 and December 29, 2006 council meetings." (All in favor.)
- * A motion was passed, "To approve application for payment #5 in the amount of \$105, 507.00 to Jerry Ganz, Inc. for the DPW Building as approved by the borough engineer and street commissioner." (All in favor.) "On the question", there was a brief discussion about the status of construction of the DPW facility.
- * A motion was passed, "To repeal Throop Borough Resolution #1 of 2007, a resolution to invest two (2) million dollars at FNCB at a rate of 5%." (All in favor.)

- * A motion was passed, “To adopt Throop Borough Resolution #6 of 2007, a resolution to invest two (2) million dollars with the Pennsylvania Treasurer’s INVEST Program for Local Governments and Nonprofits at the current rate. The current rate is 5.18%.” (All in favor.)
- * A motion was passed, “To authorize payment in the amount of \$100.00 to Booth Appraisal Company for the land appraisal on an abandoned street between 813 and 904 Center Street. (The \$100.00 was reimbursed by the abutting property owners, Charles F. Kroptavich 904 Center Street and Danielle Antonello 813 Center Street).” (All in favor.)
- * A motion was passed, “To sell a parcel of land which consists of the abandoned portion of Erie Street at 813 and 904 Center Street (a.k.a. northerly extension of Erie St.) to Charles F. Kroptavich in the amount of \$600.00. All metes and bounds as provided by Charles F. Kroptavich.” (All in favor.)
- * A motion was passed, “To sell a parcel of land which consists of the abandoned portion of Erie Street at 813 and 904 Center Street (a.k.a. northerly extension of Erie St.) to Danielle Antonello in the amount of \$600.00. All metes and bounds as provided by Danielle Antonello.” (All in favor.)
- * A motion was passed, “To submit a grant application to Lackawanna County Council on the Arts for a \$500.00 grant for the Annual Night Out.” (All in favor.) “On the question”, Tom Lukasewicz stated that he believed last year Throop Borough was given a \$500 grant for the Annual Night Out.
- * A motion was passed, “To ratify the submission of the grant application to NEPA (Northeastern Pennsylvania Alliance) in the amount of \$250.00 toward the installation of new high speed internet service in the police department.” (All in favor.)

AUDIENCE COMMENTS ON NEW BUSINESS

There were no Audience Comments on New Business.

NOTES FROM THROOP BOROUGH COUNCIL
February 26, 2007 (Monthly Meeting)

**NOTES FROM THROOP BOROUGH COUNCIL
MONTHLY MEETING**

February 26, 2007

Council Members :

James Barnick - Vice President
Joseph Barone
Ray Jarosh
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)

Prior to the meeting, Lackawanna County Commissioners Robert Cordaro and A.J. Munchak addressed Council regarding the \$500,000 from the landfill trust fund which is earmarked for Throop Borough. The county wants to design/organize/bid out and supervise whatever project the Borough wants to use the money for. Council would like to use the \$500,000 for the 48 acres, in particular, to open it up, put a walking track in around the property, and also to have some of the grading design work done. Rob Kalinoski will meet with one of the county representatives on 2/27/07 to discuss what information the Borough already has and how to move forward as quickly as possible.

ANNOUNCEMENTS:

- * "A Special Work Session/Meeting will be held on Monday, March 12, 2007 at 6:30 pm. Purpose to meet with all three Throop Hose Companies."
- * "Thursday, March 8, 2007 beginning at 6:30 p.m. – Special Work Session/Meeting for General Purposes."
- * "Monday, March 26, 2007 beginning at 6:30 p.m. – Monthly Work Session/Meeting for General Purposes."

AUDIENCE COMMENTS ON THE AGENDA:

- * Bette Goreschak noted that there was a Planning Commission meeting on March 12, 2007.
- * Joe Barone noted that Mr. Marushock gets paid (Council member stipend) every month but he has only attended 4 meetings since January of 2006.

THE MEETING:

- * A motion was passed, "To accept the monthly zoning reports and the minutes of the January 11th, January 29th and February 8th council meetings and January 29th Public Hearing regarding the request of JMF Development for a Conditional Use Permit and the February 8th CDBG Public Hearing." (All in favor.)
- * A motion was passed, "To accept the treasurers' reports as posted and to pay the monthly bills against the borough as posted and/or printed on the agenda." (All in favor.) A discussion took place regarding the status of the Oleckna Street and Eddy Creek Projects.
- * A motion was passed, "To pay all the employees of Throop Borough." (Barnick abstained on paying his daughter; rest in favor of paying all employees.)
- * A motion was passed, "To accept the correspondence as read or posted." (All in favor.) "On the question", Jim Barnick stated that he did not agree with a complaint that was received about plowing on Dunmore and Meade Streets. Mr. Barnick said that as far as the roads being open and cleared, Throop is one of the best looking towns. Elaine Morrell noted that the Borough often receives compliments on the clearing of its streets from surrounding towns.
- * A motion was passed, "To grant permission to Throop Hose Company #3 (27 Rescue) to use the Washington Street Park on Friday, July 27, 2007 and Friday, August 24, 2007 for fund-raising, as per the request of Andy Hegedus, Fundraising Chairman." (All in favor.) "On the question", it was noted that all requirements followed by the Throop Booster Club for their Annual Cow Flop must be adhered to including, but not limited to, liability insurance, permits/license, security, and clean-up.
- * A motion was passed to pay contractors in the amount of \$22,132.50 for "Snow Removal Assistance for the February 14, 2007 Valentine's Day Storm". (All in favor.) "On the question", Council was pleased that these contractors were able to assist the Borough in snow removal from this storm.
- * A motion was passed, "To authorize payment #6 from the Capital Projects Account to Jerry Ganz, Inc. in the amount of \$88,977.00 for the DPW Garage Project as per the recommendation of the borough engineer and street commissioner." (Lukasewicz against; rest in favor) Tom Lukasewicz indicated that he was not personally happy with the construction; he said there was a degree of workmanship that hasn't been followed. Jim Barnick stated that he was against giving the contractor any extensions. A short discussion took place.
- * A motion, "To adopt Throop Borough Resolution #7 of 2007, that the Borough of Throop hereby suspends member contributions to the Borough of Throop Police Pension Plan for the years 2003, 2004, 2005, 2006 and 2007." (All in favor.) "On the question", Jim Barnick noted this motion is something that Council had forgotten to do over the past few years. Tom Lukasewicz stated that because the pension fund is so over funded, there is no need to contribute to the fund.

MOTIONS NOT ON THE WRITTEN AGENDA:

- * A motion to donate \$50.00 to the St. Patrick's Day Parade failed due to lack of a second.
- * A motion was passed to direct the solicitor to prepare an ordinance regulating parking in the 500 block of Dunmore Street. (All in favor.)
- * A motion was passed to authorize Atty. Cimini to prepare an ordinance to allow only local traffic, no trucks, on Simpson Street. (All in favor.)

AUDIENCE COMMENTS ON NEW BUSINESS

- * Dave Repchick commended the Borough's DPW, Street Commissioner, and Council on the excellent job they do on clearing the roads.
- * Dominick Rocco asked for verification that voting in the Borough had been centralized to the Throop Civic Center location.
- * Paul Zilla complained about tractor trailers traveling on Simpson Street.

NOTES FROM THROOP BOROUGH COUNCIL
March 8, 2007 (Special Monthly Meeting)

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

March 8, 2007

Council Members :

James Barnick - Vice President
Joseph Barone
Ray Jarosh
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:

- * "A Special Work Session/Meeting will be held on Monday, March 12, 2007 at 6:30 pm. Purpose to meet with all three Throop Volunteer Hose Companies."
- * "Monday, March 26, 2007 beginning at 6:30 p.m. – Monthly Work Session/Meeting for General Purposes."

AUDIENCE COMMENTS ON THE AGENDA:

There were no audience comments on the agenda.

THE MEETING:

- * A motion was passed, "To approve application for payment #7 in the amount of \$23,930.50 to Jerry Ganz, Inc. for the DPW Building as approved by the borough engineer and street commissioner. (To be paid from the Capital Projects Account.)" (Barnick abstained; Lukasewicz against; rest in favor.) "On the question", Joe Barone asked if things were moving along pretty well. Tom Lukasewicz replied that they were not and stated that some things that were done were not up to par.
- * A motion was passed, "To adopt Throop Borough Resolution #8 of 2007, a resolution to apply for a Planning Grant through PADCNR for the 48 acres Recreational Project. This grant is based on a 50/50 match. (Grant writer Robert Davis.)" (All in favor.)

- * A motion was passed, “To adopt Throop Borough Resolution #9 of 2007, a resolution to apply for a Demonstration/Construction Grant through PADCNR for the 48 acres Recreational Project. This grant is based on a 50/50 match. (Grant writer Robert Davis.)” (All in favor.)
- * A motion was passed, “To adopt Throop Borough Resolution #10 of 2007, a resolution to apply for a Grant through PADCNR for the Civic Center Basement Facilities. This grant is based on a 50/50 match. (Grant writer Robert Davis.)” (Barnick against; rest in favor.)
- * A motion was passed, “To grant permission to the Throop Booster Club to use the Washington Street Park for their Annual Cow Flop on June 30th and July 1st.” (All in favor.) “On the question”, Jim Barnick commented that maybe the Booster Club would have a travel trailer by the time of the Cow Flop. Tom Luaksewicz asked if the county charged the Booster Club for use of its bandstand last year. A discussion took place.
- * A motion was passed, “To sponsor the Annual Fireworks Display in the amount of \$5,000.00 at the Cow Flop.” (All in favor.) “On the question”, Tom Luaksewicz questioned the Cow Flop being on two nights. John Musewicz stated that the fire works would be on Sunday night.
- * A motion was passed, to purchase a Sunny Day Fund CD in the amount of \$135,211.76. This represents two certificates of deposit that are maturing on March 8th and March 14th. The CD will be purchased at the best rate and term available.” (All in favor.)
- * A motion was passed, “To condemn or take by eminent domain the property that is needed for the Rebecca St. and Oleckna St. exchange with PennDOT.” (All in favor.)
- * A motion was passed, “To authorize Dave Morrell, Zoning Code Enforcement Officer, to attend the two day course on plumbing essentials at a cost of \$195.00. The class will be held at the Radisson in Scranton.” (All in favor.) “On the question”, Jim Barnick questioned a class on plumbing essentials. Elaine Morrell explained that it was part of the Zoning Officer’s information.

MOTIONS NOT ON THE WRITTEN AGENDA:

- * A motion was passed to authorize Atty. Cimini to prepare an ordinance regarding parking restrictions along SR 347, Segment 61 and the 500 block of Dunmore Street, as per the letter dated 3/1/07 from Jeff Fuhr, PennDOT. (All in favor.)
- * A motion was passed to advertise for bid the Oleckna Street Sewer Project. (All in favor.)
- * A motion was passed to advertise for bid Phase I of the Eddy Creek Sanitary Sewer Line Project. (All in favor.)

COMMENTS FROM BOROUGH OFFICIALS:

- * Mayor Lukowski noted that he received a letter from Dr. Joseph Crotti, Superintendent of Mid Valley School District, regarding cars speeding on Underwood Road.
- * John Musewicz reminded everyone that the Throop Little League was holding its final registration for baseball and softball on Sunday, March 11th.
- * Tony Chrzan noted that Mid Valley School District was holding “Meet the Coaches” from 6:00- 9:00 pm that evening.
- * Joe Barone commented that he would like to see a light on the Girls’ Softball monument.

AUDIENCE COMMENTS ON NEW BUSINESS

- * Joseph Tropiak commented regarding his concerns with the grant application and funding cycle for Phillips Street.
- * Dominick Rocco commented regarding the Hose Companies. He stated that there were never any problems with responses to fire calls. Council members noted that they were told there were times when some hose companies were telling other companies or the ambulance not to respond.

NOTES FROM THROOP BOROUGH COUNCIL
March 26, 2007 (Monthly Meeting)

NOTES FROM THROOP BOROUGH COUNCIL MONTHLY MEETING

March 26, 2007

Council Members :

James Barnick - Vice President
Joseph Barone
Ray Jarosh
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:

- * “A Special Work Session/Meeting will be held on Thursday, March 29, 2007 at 6:30 p.m.. Purpose to open the bids for the Oleckna St. Sewer Project and Eddy Creek Sewer Project and to meet with all three Throop Hose Companies.”
- * “Thursday, April 12, 2007 beginning at 6:30 p.m. – Mid-Month Special Work Session/Meeting for General Purposes.”
- * “Monday, April 30, 2007 beginning at 6:30 p.m. – Monthly Work Session/Meeting for General Purposes.”
- * “Electronic Recycling – March 31st from 8 am to 4 pm at PNC Field on Montage Mountain Road. \$5.00 per car load. Additional information is posted.”

AUDIENCE COMMENTS ON THE AGENDA:

There were no audience comments on the agenda.

THE MEETING:

- * A motion was passed, “To accept the monthly zoning reports and the minutes of the February 12th, February 26th, March 8th and March 12th council meetings.” (All in favor.)
- * A motion was passed, “To accept the treasurers’ reports as posted and to pay the monthly bills against the borough as posted and/or printed on the agenda.” (All in favor.) A discussion took place regarding bills related to a sewer back-up that occurred at one of the resident’s homes.

- * A motion was passed, "To pay all the employees of Throop Borough." (All in favor.)
- * A motion was passed, "To accept the correspondence as read or posted." (All in favor.)
- * A motion was passed, "To adopt Throop Borough Ordinance #3 of 2007, an ordinance regulating residential rental units within the borough." (All in favor.)
- * A motion was passed, "To adopt Resolution #11, a resolution adding Elaine Morrell, Charles Kroptavich and David Morrell to the Suplus List." (All in favor.)
- * A motion was passed, "To reappoint David F. Garvey as Sewage Enforcement Officer, annual retainer is \$550.00." (All in favor.)
- * A motion was passed, "To authorize payment from the Capital Projects Account to SDA Architects in the amount of \$2,800.00 for professional services on the DPW Garage Project." (All in favor.)
- * A motion was passed, "To authorize payment to Damage Control in the amount of \$3,877.18." (All in favor.) "On the question", Jim Barnick stated that this bill was for damage that was mentioned earlier for a sewer back-up that occurred at a resident's home.
- * A motion was passed, "To adopt Throop Borough Resolution #12 of 2007, a resolution authorizing the Board of Commissioners of Lackawanna County to submit an application for Federal Fiscal Year 2007 Community Development Block Grant Program Funds in the amount of \$97,731.00 on behalf of the Borough of Throop." (All in favor.)

MOTIONS NOT ON THE WRITTEN AGENDA:

- * A motion was passed to authorize \$5,000 in emergency money to the owner of the home where the sewer back-up occurred so she can begin purchasing replacement items for some of the necessities that were lost in the incident. (All in favor.)
- * A motion was passed to install a backflow preventer on the sewer line in the area where the sewer back-up problem occurred. (All in favor.)

AUDIENCE COMMENTS ON NEW BUSINESS

- * Dave Repchick commended and thanked the Throop Police Department for their response to a personal incident that occurred.
- * Joseph Tropiak asked if a letter had been sent to Representative Shimkus requesting his support on a grant for Phillips Street. It was discussed that the representatives would be contacted for support on all grants including the grant for work on Phillips Street.

- * Dominick Rocco questioned the status of the pump station and commented on trees leaning into the river.
- * Joseph Rhoke commented on a personal property ownership dispute.
- * A resident commented about her curbing being damaged during snow plowing activities and asked if it would be repaired.
- * Larry Hartshorn, Jr. questioned what was being done with St. Anthony's school. Mr. Hartshorn also questioned Tom Lukasewicz personally regarding No Parking/No Trespassing signs that were placed in the area of the school.
- * Jack Wall asked about the swale in Schoolside Estates. It was discussed that Atty. Cimini would try to get a written response from Schoolside Estates regarding the swale.