

November 15, 2007

92-002-130

Ms. Maureen Essenthier (3WC22)
U.S. Environmental Protection Agency
1650 Arch Street
Philadelphia, PA 19103

Mr. Ronald Brezinski
PA Department of Environmental Protection
Northeast Regional Office – 2 Public Square
Wilkes-Barre, PA 18711

RE: Quarterly Progress Report No. 5
Third Quarter 2007
Marjol Battery Site, Throop, Pennsylvania


Dear Ms. Essenthier and Mr. Brezinski:

Enclosed please find Quarterly Progress Report No. 5 (Third Quarter 2007) for the Marjol Battery Site in Throop, Pennsylvania. This report is submitted as required by Section VI.L.3 of the Final Administrative Order on Consent which became effective on July 13, 2006.

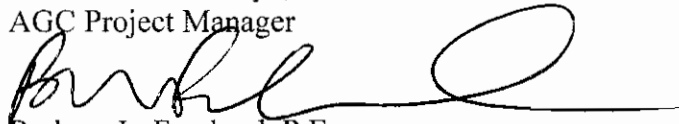
If you have any questions, please contact Barbara Forslund at (610) 840-9145 or Jen DiJoseph at (610) 840-9189.

Sincerely,

ADVANCED GEOSERVICES



Jennifer W. DiJoseph, P.E.
AGC Project Manager



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

JWD:BLF:vm

Enclosures

cc: L. Ayers (2 copies)
L. Cimini
R. Moose
J. Cronmiller
A. Doubleday
L. Zelinka
Throop Borough Council

**MARJOL BATTERY SITE
QUARTERLY PROGRESS REPORT
NO. 5**

**MARJOL BATTERY SITE
QUARTERLY PROGRESS REPORT
NO. 5**

Prepared For:

**GOULD ELECTRONICS
Eastlake, Ohio**

Prepared By:

**ADVANCED GEOSERVICES
West Chester, Pennsylvania**

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

CERTIFICATION STATEMENT

I certify that the information contained in or accompanying Quarterly Progress Report No. 5 dated November, 2007 for the Marjol Battery Site in Throop, Pennsylvania is true, accurate and complete.

As to those portions of Quarterly Progress Report No. 5 for which I cannot personally verify their accuracy, I certify under penalty of law that this 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:

Thomas N. Rich

NAME:

Thomas N. Rich

TITLE:

Chief Administrative Officer

DATE:

November 15, 2007

**QUARTERLY PROGRESS REPORT NO. 5
MARJOL BATTERY SITE**

DATE: November 15, 2007

92-002-130

REPORTING PERIOD: Third Quarter 2007 (July 1 to September 30)

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

ACTIONS DURING THIRD QUARTER 2007

CORRECTIVE MEASURES IMPLEMENTATION

The following activities were accomplished during Third Quarter 2007:

- Design activities continued for the Pre-Final (90%) Remedial Design, including stormwater management and final grading.
- On July 12, 2007, questions were received from USEPA regarding Pre-Design Investigation (PDI) XRF results. Responses were provided by AGC.
- On July 24, 2007, USEPA and PADEP were notified of the laboratory name change from STL to Test America.
- On August 3, 2007, the request for wetland permit waiver was submitted to PADEP Northeast Regional Office. The request was approved on September 4, 2007. A PADEP wetland permit is not required for the proposed activities.
- On August 6 and 7, 2007, PDI soil sampling for total lead was conducted in a wooded area in the western portion of the facility. PCB and PAH area-wide sampling was also conducted at the North Woods. PCB and PAH sample results were less than the performance standard for each parameter. Results for total lead, PCB and PAH sampling will be provided in the Pre-Final (90%) Design.
- On August 10, 2007, USEPA and PADEP comments on the Preliminary (30%) Design, excluding the Sampling and Analysis Plan, were received. Responses to comments on the Preliminary (30%) Design were submitted to USEPA and PADEP on September 7, 2007.
- On August 15, 2007, a revised cost estimate was submitted to USEPA and PADEP.
- On August 17, 2007, a Request for Determination of Changes of Minor Significance and Exemption from Plan Approval/Operating Permit for waste solidification using a pugmill was submitted to PADEP, New Source Review Section. Additional information was submitted on September 13, 2007 in

response to PADEP's request. Approval was not received by the end of the reporting period.

- On August 21, 2007, information regarding coal seam conditions at the facility was submitted to Paul Grella, PADEP, for use in determining if infiltration of stormwater was acceptable for the Site. A meeting was held on September 19, 2007 at the PADEP Wilkes Barre office with Mr. Grella and Tim Matechak of Lackawanna County Conservation District to review the proposed work and NPDES permit procedures. A follow-up memo was submitted by AGC on September 25, 2007.
- On September 4, 2007, a memorandum was submitted to Throop Borough requesting clarification of stormwater design requirements. A response was not received by the end of the reporting period.
- On September 14, 2007, proposed Off-Site Verification Sampling was submitted to USEPA and PADEP.
- On September 19, 2007 a meeting was held at the PADEP Bethlehem office to discuss responses to 30% Design comments and the design status. USEPA, ACOE, PADEP, Gannett Fleming and AGC attended the meeting.
- On September 26, 2007, a memorandum regarding proposed road protection and traffic control measures was submitted to Throop Borough. A response was not received by the end of the reporting period.

SITE MONITORING AND MAINTENANCE

The following activities were accomplished during Third Quarter 2007:

- Weekly air monitoring continued at the Site, and the results show that the Site is not contributing to air lead. PADEP continues to periodically split samples with Advanced GeoServices at high volume sampler locations #1 and #4. The Second Quarter 2007 Ambient Air Monitoring Report is attached.
- Second Quarter 2007 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 turbidity from muskrat activity in the basin. The Second Quarter 2007 Stormwater Management Basin Performance Monitoring Report is attached.
- On August 1, 2007, Advanced GeoServices personnel collected Third Quarter 2007 sediment samples as part of the Stormwater Management Basin Monitoring Program.
- On September 12, 2007, Advanced GeoServices personnel collected Third Quarter 2007 surface water samples as part of the Stormwater Management Basin Monitoring Plan.
- The July, August and September 2007 Monthly Site Visits were performed on July 25, August 28, and September 28, 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.

- Four previously observed small tears along the seams of former repairs, and five areas of deterioration along manufacturer's creases (four to seven feet in length) were repaired/reinforced on July 6, 2007.
- There were signs of all-terrain vehicles traversing the path along the outside of the perimeter chain-link fence during the months of July, August and September 2007.
- Precipitation for July, August and September 2007 was 5.21", 5.26", and 1.84", respectively in the form of rain.
- Securitas Security (f/k/a Burns Security) continued to patrol the perimeter fence on a regular basis.
- TEEM Environmental was on-site during July, August and September 2007 to perform the following site maintenance activities.
 - Repair of High Hazard stockpile cover.
 - Routine replacement of silt fence material at Low Hazard stockpile.
 - Regrading of gravel haul roads and parking lot areas.
 - Cut/trim grass at the Site, residential areas, Helen Street, Woodlawn Street, Sulphur Creek, and Lackawanna River trail.
 - Remove weeds growing from between the sandbags and the HDPE cover at the High Hazard stockpile.
 - Repair wooden landing behind decontamination trailer.
 - Remove woody shrubs and saplings from the exclusion zone fence.

COMMUNITY RELATIONS

The following activities were accomplished during Third Quarter 2007:

- On July 8, 2007, follow-up letters for the Annual Blood Lead Screening Program were sent to the residents who did not respond to the initial June 11th letter regarding in-home blood lead screening.
- On July 8, 2007, flyers were sent to those on the mailing list reminding everyone of the Annual Blood Lead Screening Program.
- On July 9, 2007, letters were sent to local churches, PTA's, and Day Care facilities regarding the Annual Blood Lead Screening Program.
- On July 11, 2007, letters were sent to the Throop Borough Emergency Responders inviting them to participate in the annual blood lead screening program as part of the medical surveillance program that began in October 1999.
- The door-to-door part of the annual blood lead screening program was conducted on July 10th and 12th, 2007.
- Lisa Ayers attended Throop Borough Council's Mid-Month Meeting on July 12, 2007. (See notes attached.)
- On July 14, 2007, a second group of flyers were sent to those on the mailing list reminding everyone of the Annual Blood Lead Screening Program.
- Blood lead screening was conducted in the Throop Borough Civic Center on July 17th and 21st. Thirty-two individuals participated in the annual blood lead screening program this year.

- Lisa Ayers attended the regularly scheduled Throop Borough Council Monthly Meeting on July 30, 2007. (See notes attached.)
- On July 31, 2007, representatives from Throop Borough, Gould Electronics, Advanced GeoServices, and USEPA met to discuss implementation of the Final Remedy for the Marjol site, including the possibility of opening Franko Street and the possibility of using fill material from Throop Borough's 48 acre parcel.
- On July 31, 2007, Gould Electronics conducted a site tour for Throop Borough Council and Throop Borough Representatives. Representatives from USEPA, PADEP, State Representative Frank Shimkus, representatives from Senator Specter's Office and Senator Casey's Office, and representatives from Gould Electronics and Advanced GeoServices participated in the tour.
- USEPA conducted a Public Meeting on July 31, 2007, to discuss the Preliminary (30%) Design for the Marjol Battery Site. State Representative Frank Shimkus, representatives from USEPA, PADEP, Senator Specter's Office, Senator Casey's Office, Congressman Kanjorski's Office, Throop Borough, Gould Electronics, Advanced GeoServices, the Throop Community, and the media attended the meeting.
- On August 6, 2007, Lisa Ayers attended Congressman Kanjorski's Town Hall Meeting at the Throop Borough Municipal Building. Congressman Kanjorski addressed questions from citizens on various topics including Marjol. (See notes attached.)
- Throop Borough Council's August 9, 2007, Mid-Month Meeting was cancelled.
- On August 17, 2007, Gould's web site, <http://www.marjolicleanup.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 August 27, 2007. (See notes attached.)
- On August 29, 2007, Advanced GeoServices, on behalf of Gould Electronics, submitted a letter to Throop Borough Council, regarding the availability of fill material on the Borough's 48 acre property.
- On September 5, 2007, Gould's web site, <http://www.marjolicleanup.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 Special Monthly Meeting on September 6, 2007. (See notes attached.)
- On September 12th, representatives from Advanced GeoServices, on behalf of Gould Electronics, met with Robert Nitch, Throop Borough Engineer, regarding fill material on the Borough's 48 acre property.
- Lisa Ayers attended Throop Borough Council's Public Hearing regarding the Sunny Day Ordinance on September 13, 2007. (See notes attached.)
- Lisa Ayers attended Throop Borough Council's Mid-Month Meeting on September 13, 2007. (See notes attached.)
- On September 21, 2007, Advanced GeoServices, on behalf of Gould Electronics, provided property tax information to Throop Borough for the parcels Gould owns in Throop Borough. Throop Borough had requested the information from Gould on behalf of Representative Frank Shimkus.

- On September 21, 2007, Advanced GeoServices, on behalf of Gould Electronics, submitted a letter to Throop Borough regarding payment of engineering fees associated with the permit application review process.
- Lisa Ayers attended the regularly scheduled Throop Borough Council Monthly Meeting on September 24, 2007. (See notes attached.)

SCHEDULE AND PERCENT COMPLETE

The attached CMI Schedule has been updated with actual dates on which the tasks were accomplished and corresponding revisions to the projected completion dates. Based on a review of actual expenditures through September 30, 2007 versus the Revised Cost Estimate through June 30, 2007, the CMI is approximately 7% complete.

PROBLEMS ENCOUNTERED

As USEPA and PADEP approval of the trust fund agreement has not yet been received, this activity could not be conducted in accordance with the schedule presented in the Work Plan. The trust fund will be established in accordance with the time frames presented in the schedule once approval is received.

PERSONNEL CHANGES

No personnel changes occurred during Third Quarter 2007.

ACTIONS PLANNED FOR FOURTH QUARTER 2007

CORRECTIVE MEASURES IMPLEMENTATION

The following activities are planned for Fourth Quarter 2007:

- Obtain USEPA and PADEP approval of the trust fund agreement and Revised Cost Estimate.
- Obtain USEPA and PADEP comments on the 30% Design Sampling and Analysis Plan.
- Conduct a design review meeting in mid-October 2007 with USEPA and PADEP.
- Submit the Pre-Final (90%) Design.
- Request Contractor bids based on the 90% Design.
- Obtain USEPA and PADEP approval of the 90% Design.
- Submit the Final (100%) Design.
- Obtain approval of the Air Permit Request for Determination for solidification from PADEP.
- Obtain responses from Throop Borough for memorandums regarding stormwater and road protection/traffic control.
- Submit permit applications for General NPDES permit, Air Permit Request for Determination for the passive gas vent, fence permit, preliminary land

development plan, stormwater management plan, and building permit (if applicable).

SITE MAINTENANCE

The following activities are planned for Fourth Quarter 2007:

- Continue weekly air monitoring program.
- Perform Fourth Quarter 2007 Stormwater Management Basin Performance Monitoring sampling for surface water and sediment.
- Submit results for Third Quarter 2007 Ambient Air Monitoring Report with Quarterly Progress Report No. 6.
- Submit results for Third Quarter 2007 Stormwater Management Basin Performance Monitoring sampling for surface water and sediment with Quarterly Progress Report No. 6.

COMMUNITY RELATIONS

The following activities are planned for Fourth Quarter 2007:

- **October 15, 2007** - Throop Borough Council Budget Work Session
- **October 18, 2007** - Throop Borough Council Mid-Month Meeting
- **October 24, 2007** - Send out Newsletter Number 87
- **October 29, 2007** - Regularly Scheduled Throop Borough Council Meeting
- **November 8, 2007** - Throop Borough Council Budget Work Session and Mid - Month Meeting
- **November 30, 2007** - Update Gould's web site for the Marjol Battery Site
- **November 28, 2007** - Regularly Scheduled Throop Borough Council Meeting
- **December 13, 2007** - Throop Borough Council Mid-Month Meeting
- **December 27, 2007** - Regularly Scheduled Throop Borough Council Meeting



ANTICIPATED PROBLEMS

No problems are anticipated for Fourth Quarter 2007.

A handwritten signature in black ink, appearing to read 'Barbara L. Forslund', written over a horizontal line.

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

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

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

TABLE 1
CORRECTIVE MEASURES IMPLEMENTATION SCHEDULE
THIRD QUARTER 2007

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

	Milestone		Projected Dates from CMI		Actual Dates
			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 submitted) 5/29/2007 (approved) 6/4/2007 (recorded)
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)	12/31/2007	
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	n/a	9/1/2006 (mine fire), 11/2/2006 (geoprobe), 2/13/2007 (Work Plan except soil sampling), 4/20/2007 (soil), 5/3/2007 (Work Plan except Section 7.5)
11)	PDI Start	assumed 3 weeks after PDI Work Plan approval, weather permitting	8/28/2006	n/a	9/12/2006 (mine fire), 11/27/2006 (geoprobe), 4/23/2007 (soil, lead), 8/6/2007 (soil, PCB PAH)
12)	PDI Complete	assumed 3 weeks after 11)	9/18/2006	n/a	10/16/2006 (mine fire), 11/29/2006 (geoprobe), 5/25/2007 (soil, lead), 8/6/2007 (soil, PCB PAH)
13)	Prelim. Design Submitted	due 90 days after 12)	12/18/2006	n/a	6/29/2007
14)	Prelim. Design Comments	Assumed 45 days after 13)	2/1/2007	n/a	8/10/2007
15)	Revised Cost Estimate	due on 2/15/2007	2/15/2007	n/a	2/15/2007
16)	90% Design Submitted	due 90 days after 14)	5/2/2007	11/8/2007	
17)	Request for Bid Issued	assumed 2 weeks after 16)	5/16/2007	11/22/2007	
18)	90% Design Approved with Comments	Assumed 30 days after 16)	6/1/2007	12/7/2007	
19)	100% Design Complete to Bidders and EPA	due 2 weeks after 18)	6/15/2007	12/21/2007	
20)	100% Design Approval	assumed 2 weeks after 19)	6/29/2007	1/4/2008	
21)	Final Title Notice Submitted	due 30 days after 20)	7/30/2007	2/4/2008	
22)	Bids Received	due 3 weeks after 20)	7/20/2007	1/25/2008	
23)	Award	assumed 2 weeks after 22)	8/3/2007	2/8/2008	
24)	Notice of Contractor to EPA/DEP	Day after award	8/4/2007	2/11/2008	
25)	Revised Cost Estimate	due on 8/15/2007	8/15/2007	n/a	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	3/4/2008	
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

- 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.
- * indicates that USEPA and PADEP approval of the submitted document has not yet been received.
- 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 received to-date.

MONTHLY SITE REPORTS

JULY 2007 SITE VISIT

JULY 2007 MONTHLY SITE VISIT REPORT

PROJECT:	Marjol Battery Site	PROJECT NO.:	92-002-1MP
LOCATION:	Throop, Pennsylvania	DATE:	July 25, 2007
CLIENT:	Gould Electronics Inc.	WEATHER:	85°F Sunny
CONTRACTOR(S):	None		
AGCs REPRESENTATIVE:	Bob 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. All areas of former repairs are stable and secure.

The perimeter barrier around the low hazard stockpile is stable. The silt fence on the west side of the pile is stable and secure. The soil cover is intact and covered with grass.

The landfill area appears stable and secure.

The basin haul road is in good condition.

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

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

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

The storm water management basin (SMB) is in good condition. There continue to be several muskrat dens in the basin. The ancillary structures are stable and in good condition. The SMB continues to operate as designed.

The northeast vehicle gate area is stable and secure.

The vehicle decontamination pad is operational, stable and secure.

JULY 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>July 25, 2007</u>
CLIENT:	<u>Gould Electronics Inc.</u>	WEATHER:	<u>85°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 July:

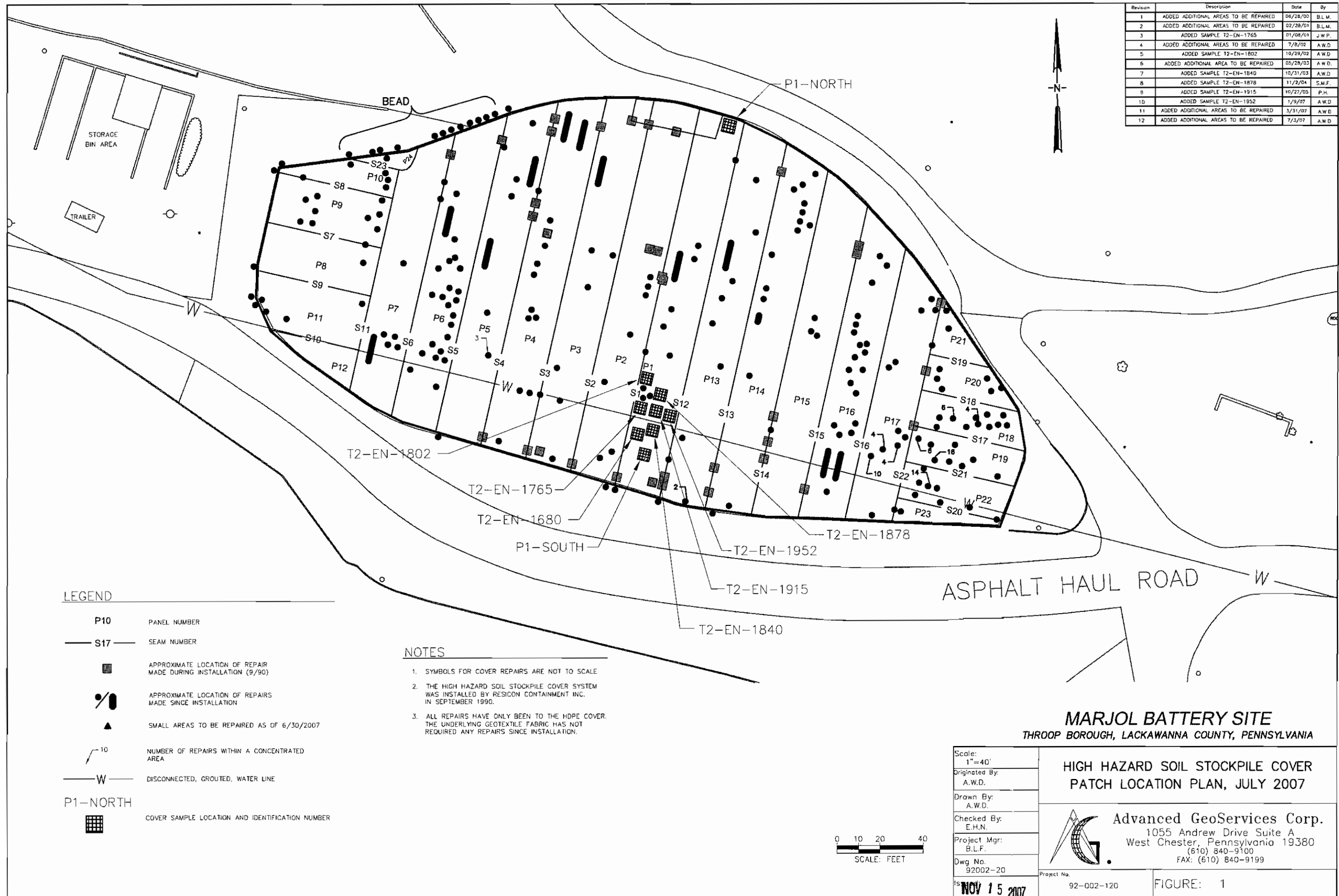
- July 2, 6, 19, 27, 2007 – Cut / trim grass at residential areas.
- July 2, 6, 30, 2007 - Re-grade haul roads (twice after storms).
- July 6, 2007 – Repair tears in hi-hazard stockpile cover.
- July 12, 13, 16, 17, 18, 19, 20, 23, 2007 – Cut / trim grass on site.
- July 13, 16, 17, 2007 – Sulphur Creek cutting and trimming.
- July 16, 2007 – Helen & Woodlawn Street cutting and trimming.
- July 18, 2007 – Lackawanna River path clearing.
- July 20, 2007 – Fallen tree cutting and removal from roadway.
- July 23, 2007 – Remove weeds growing from between the sandbags and the HDPE cover on hi-hazard stockpile. Remove woody shrubs and saplings from the exclusion zone fence. Repair silt fence at the low-hazard stockpile.
- July 27, 2007 – Refasten plastic fence near decontamination trailer.
- July 30, 2007 – Repair rear landing at decontamination trailer.

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

The site received 5.21” of precipitation in the month of July in the form of rain.

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	01/08/01	J.W.P.
4	ADDED ADDITIONAL AREAS TO BE REPAIRED	7/8/02	A.W.D.
5	ADDED SAMPLE T2-EN-1802	10/29/02	A.W.D.
6	ADDED ADDITIONAL AREA TO BE REPAIRED	05/28/03	A.W.D.
7	ADDED SAMPLE T2-EN-1840	10/31/03	A.W.D.
8	ADDED SAMPLE T2-EN-1878	11/2/04	S.M.F.
9	ADDED SAMPLE T2-EN-1915	10/27/05	P.H.
10	ADDED SAMPLE T2-EN-1952	1/9/07	A.W.D.
11	ADDED ADDITIONAL AREAS TO BE REPAIRED	3/31/07	A.W.D.
12	ADDED ADDITIONAL AREAS TO BE REPAIRED	7/3/07	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
▲	SMALL AREAS TO BE REPAIRED AS OF 6/30/2007
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, JULY 2007

Scale:	1"=40'
Originated By:	A.W.D.
Drawn By:	A.W.D.
Checked By:	E.H.N.
Project Mgr:	B.L.F.
Dwg No.:	92002-20
Date:	NOV 15 2007

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

Project No.:	92-002-120	FIGURE:	1
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AUGUST 2007 SITE VISIT

AUGUST 2007 MONTHLY SITE VISIT REPORT

PROJECT:	Marjol Battery Site	PROJECT NO.:	92-002-1MP
LOCATION:	Throop, Pennsylvania	DATE:	August 28, 2007
CLIENT:	Gould Electronics Inc.	WEATHER:	74°F Sunny
CONTRACTOR(S):	TEEM		
AGCs REPRESENTATIVE:	Erica Nicholson		
CONTRACTORS REPRESENTATIVE:	Charles Azarsky, Robert Delayo		
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 a few sandbags that need to be refolded and tied during the fall 2007 maintenance activities.

The perimeter barrier around the low hazard stockpile is stable. The silt fence on the west side of the pile is stable and secure. The soil cover is intact and covered with grass.

The landfill area appears stable and secure.

The basin haul road is in good condition.

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

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

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

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 SMB continues to operate as designed.

The northeast vehicle gate area is stable and secure. A few small pieces of battery casing material have been spotted around the gate. These will be removed during the fall 2007 maintenance activities.

The vehicle decontamination pad is operational, stable and secure.

AUGUST 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>August 28, 2007</u>
CLIENT:	<u>Gould Electronics Inc.</u>	WEATHER:	<u>74°F Sunny</u>
CONTRACTOR(S)	<u>TEEM</u>		
AGCs REPRESENTATIVE:	<u>Erica Nicholson</u>		
CONTRACTORS REPRESENTATIVE:	<u>Charles Azarsky, Robert Delayo</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 August:

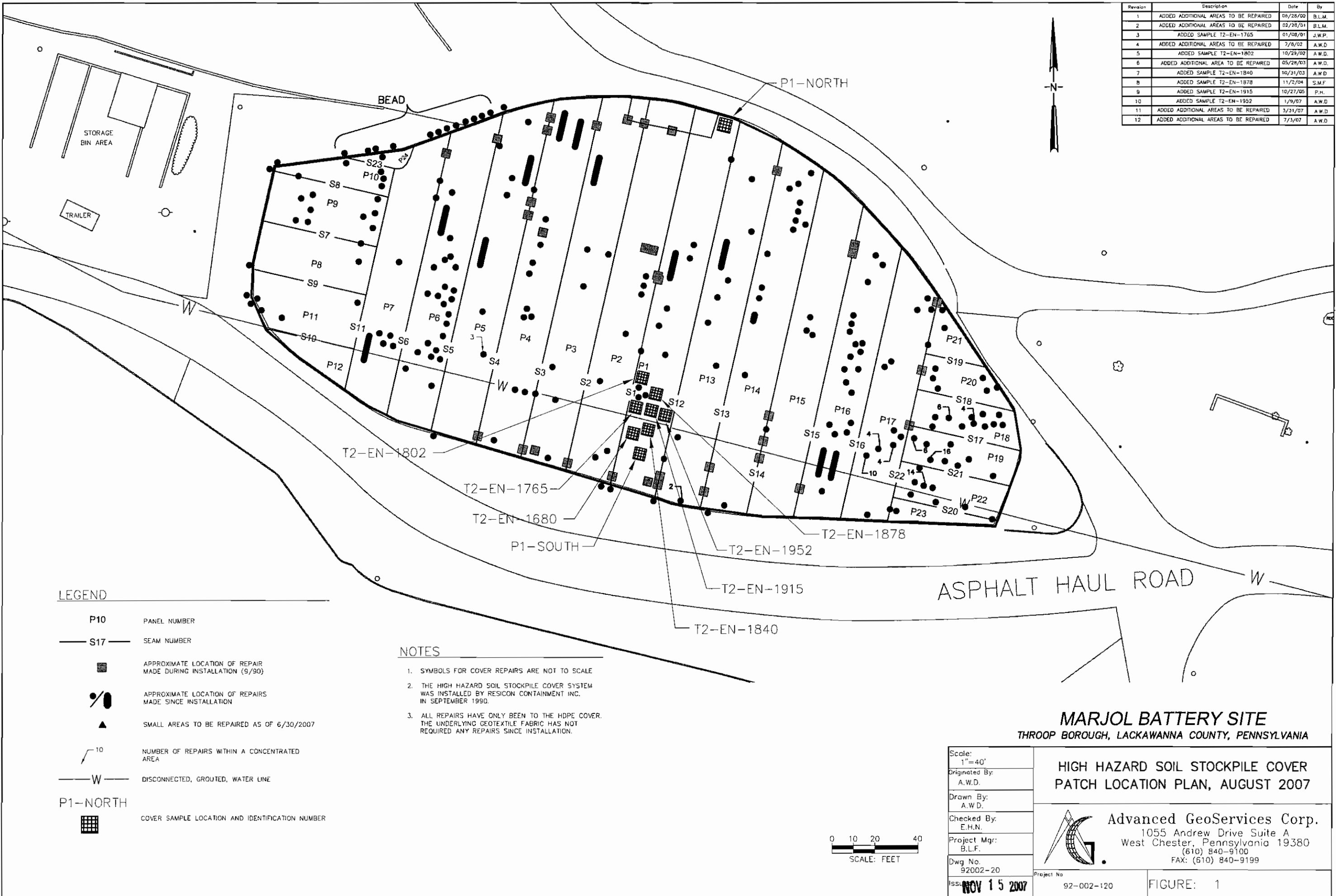
- August 9, 2007 – Re-grade haul road.
- August 13, 20, 28, 2007 – Cut / trim grass at residential areas.
- August 28, 2007 – Cut / trim area near fence line at Martarano Drive.

HV air monitors #1, 2, 3, 4, 6, 7 were set up for operation on 8/3, 8/9, 8/15, 8/21, and 8/27/2007.

The site received 5.26” of precipitation in the month of August in the form of rain.

FIELD REPRESENTATIVE: Erica Nicholson **REVIEWED BY:** _____

Revision	Description	Date	By
1	ADDED ADDITIONAL AREAS TO BE REPAIRED	06/28/00	B.L.M.
2	ADDED ADDITIONAL AREAS TO BE REPAIRED	02/28/01	B.L.M.
3	ADDED SAMPLE T2-EN-1765	01/08/01	J.W.P.
4	ADDED ADDITIONAL AREAS TO BE REPAIRED	7/8/02	A.W.D.
5	ADDED SAMPLE T2-EN-1802	10/29/02	A.W.D.
6	ADDED ADDITIONAL AREA TO BE REPAIRED	05/28/03	A.W.D.
7	ADDED SAMPLE T2-EN-1840	10/31/03	A.W.D.
8	ADDED SAMPLE T2-EN-1878	11/2/04	S.M.F.
9	ADDED SAMPLE T2-EN-1915	10/27/05	P.H.
10	ADDED SAMPLE T2-EN-1952	1/9/07	A.W.D.
11	ADDED ADDITIONAL AREAS TO BE REPAIRED	3/31/07	A.W.D.
12	ADDED ADDITIONAL AREAS TO BE REPAIRED	7/3/07	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
	SMALL AREAS TO BE REPAIRED AS OF 6/30/2007
	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, AUGUST 2007

Scale:	1"=40'
Originated By:	A.W.D.
Drawn By:	A.W.D.
Checked By:	E.H.N.
Project Mgr:	B.L.F.
Dwg No.	92002-20
ISSUE DATE	NOV 15 2007

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

Project No.	92-002-120	FIGURE:	1
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SEPTEMBER 2007 SITE VISIT

SEPTEMBER 2007 MONTHLY SITE VISIT REPORT

PROJECT:	Marjol Battery Site	PROJECT NO.:	92-002-1MP
LOCATION:	Throop, Pennsylvania	DATE:	September 28, 2007
CLIENT:	Gould Electronics Inc.	WEATHER:	62°F Cloudy/rainy
CONTRACTOR(S):	None		
AGCs REPRESENTATIVE:	Erica Nicholson		
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 a few sandbags that need to be tied and refolded that will be attended to during the fall 2007 maintenance activities. There are two small tears in the cover at the corner of the Jersey barriers on either end of the high hazard stockpile, that will be repaired during the fall 2007 maintenance activities.

The perimeter barrier around the low hazard stockpile is stable. The silt fence on the west side of the pile is loose, and will be repaired during the fall 2007 maintenance activities. The soil cover is intact and covered with grass.

The landfill area appears stable and secure.

The basin haul road is in good condition.

The chain-link fence around the mine fissure area and the perimeter fence are stable and intact. A branch is resting on the North Woods Barrier fence and will be removed during the fall 2007 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 September.

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 SMB continues to operate as designed.

The northeast vehicle gate area is stable and secure. A few small pieces of battery casing material have been spotted around the gate. These will be removed during the fall 2007 maintenance activities.

SEPTEMBER 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>September 28, 2007</u>
CLIENT:	<u>Gould Electronics Inc.</u>	WEATHER:	<u>62°F Cloudy/rainy</u>
CONTRACTOR(S)	<u>None</u>		
AGCs REPRESENTATIVE:	<u>Erica Nicholson</u>		
CONTRACTORS REPRESENTATIVE:	<u>None</u>		
VISITORS ON-SITE:	<u>None</u>		
	SHEET:	<u>2 of 2</u>	

The vehicle decontamination pad is operational, stable and secure. A few small pieces of battery casing material have been spotted on the slope between the decontamination pad and the decontamination trailer. These will be removed during the fall 2007 maintenance activities

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 September:

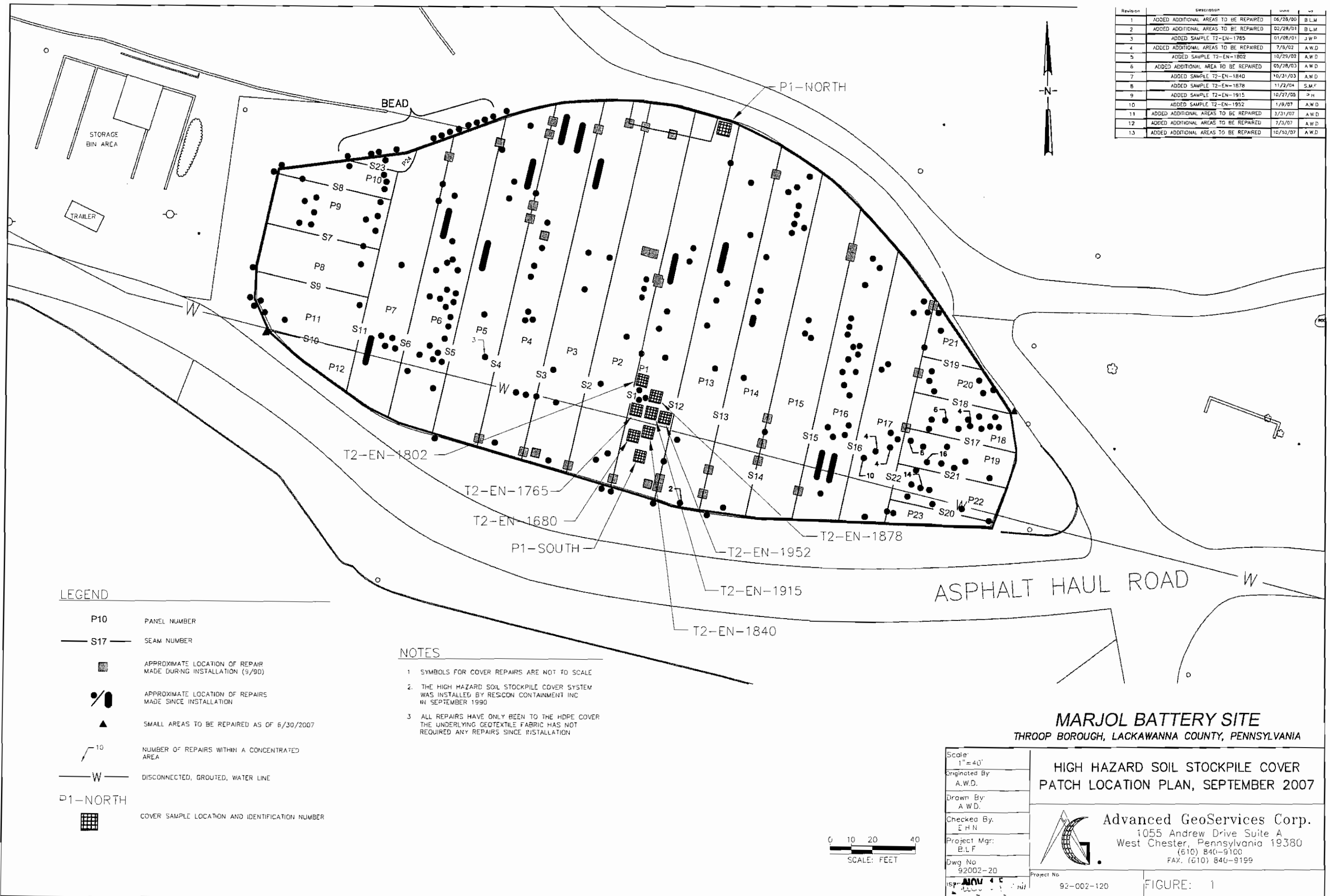
- September 14, 21, 2007 – Cut / trim grass at residential areas.

HV air monitors #1, 2, 3, 4, 6, 7 were set up for operation on 9/2, 9/8, 9/14, 9/20, and 9/26/2007.

The site received 1.84" of precipitation in the month of September in the form of rain.

FIELD REPRESENTATIVE: Erica Nicholson **REVIEWED BY:** _____

Revision	DESCRIPTION	DATE	BY
1	ADDED ADDITIONAL AREAS TO BE REPAIRED	06/28/00	B.L.M.
2	ADDED ADDITIONAL AREAS TO BE REPAIRED	02/28/01	B.L.M.
3	ADDED SAMPLE T2-EN-1765	01/08/01	J.W.P.
4	ADDED ADDITIONAL AREAS TO BE REPAIRED	7/6/02	A.W.D.
5	ADDED SAMPLE T2-EN-1802	10/29/02	A.W.D.
6	ADDED ADDITIONAL AREA TO BE REPAIRED	05/28/03	A.W.D.
7	ADDED SAMPLE T2-EN-1840	10/31/03	A.W.D.
8	ADDED SAMPLE T2-EN-1878	11/2/04	S.M.F.
9	ADDED SAMPLE T2-EN-1915	10/27/05	A.W.D.
10	ADDED SAMPLE T2-EN-1952	1/8/07	A.W.D.
11	ADDED ADDITIONAL AREAS TO BE REPAIRED	3/31/07	A.W.D.
12	ADDED ADDITIONAL AREAS TO BE REPAIRED	7/3/07	A.W.D.
13	ADDED ADDITIONAL AREAS TO BE REPAIRED	10/10/07	A.W.D.



**SECOND QUARTER 2007
AMBIENT AIR MONITORING REPORT
MARJOL BATTERY SITE
THROOP, PENNSYLVANIA**

**SECOND QUARTER 2007
AMBIENT AIR MONITORING REPORT
MARJOL BATTERY SITE
THROOP, PENNSYLVANIA**

Prepared For:

Gould Electronics
Eastlake, Ohio

Prepared By:

Advanced GeoServices Corp.
West Chester, Pennsylvania

November 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. (Advanced GeoServices), of West Chester, Pennsylvania, was retained by Gould Electronics to perform continuous ambient air monitoring for lead concentrations at the Marjol Battery Site (Site) in Throop, Pennsylvania starting December 1, 1997. Prior to December 1997, ERD Environmental (ERD), of Pipersville, Pennsylvania was responsible for the set up and maintenance of the air samplers, collection of the air filters and monitoring of wind speed and direction data. The ambient air data presented in this report are for the 2nd Quarter of 2007.

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

2.0 AMBIENT AIR SAMPLING PROCEDURES

2.1 SAMPLE COLLECTION

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

2.2 SAMPLE LOCATIONS

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

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

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

2.3 SAMPLE IDENTIFICATION

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

- Advanced GeoServices 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-7-040507).

2.4 SAMPLE CUSTODY

Sample custody was maintained by Advanced GeoServices field representative until the samples were transferred to Advanced GeoServices Quality Assurance Scientist. Advanced GeoServices Quality Assurance Scientist maintained the custody of the samples until a complete month's worth

of samples were collected. The samples were then sent to the laboratory (FAL) via FED-EX. All transfers of custody of the samples were noted in the chain-of-custody records.

2.5 ANALYTICAL PROCEDURES

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

3.0 QUALITY ASSURANCE/QUALITY CONTROL

3.1 CALIBRATION PROCEDURES AND FREQUENCY

3.1.1 Field Sampler Calibration and Frequency

Each of the six high-volume samplers was calibrated at least once during the second quarter. Additionally, when a motor or a flow recorder was replaced, 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 13, 2007 for the annual performance calibration certification. The orifice transfer standard certification worksheets are 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 meter ($\mu\text{g}/\text{m}^3$). The calculated total lead concentrations 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 Advanced GeoServices 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 spike (MS) and matrix spike duplicate (MSD) samples were prepared by placing a known quantity of selected target analyte into a second aliquot of an actual field sample. At a minimum, one MS and MSD were prepared and analyzed with each set of samples. The MS and MSD recoveries were within acceptance limits.

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

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

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

3.4 PREVENTATIVE MAINTENANCE

High-volume samplers are maintained in accordance with the manufacturer's instructions. All samplers were checked prior to installation in the field. Weekly, the high-volume sampler strip charts and timer run length were checked by a field technician to ensure continuous sample collection. The 2nd Quarter 2007 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).

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

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

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

The percent completeness was within the usability criteria of 90 percent. There was one instance where the sampler did not operate for a sufficient amount of time. In addition, there were eight instances where the sampler ran outside the 15% time of operation tolerance limit. Finally, there were seven occasions in which monitor ran outside the 5ft³/minute calibrated flow rate. The percent completeness for this quarter was 98.9%.

3.6 CORRECTIVE ACTION

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

- HV-1
June 7, Rebuilt motor installed, calibration performed and flow rate adjusted.
June 18, Rebuilt motor installed, calibration performed and flow rate adjusted.
June 26, GFCI outlet on utility pole reset.
- HV-2
May 22, Rebuilt motor installed, calibration performed and flow rate adjusted.
May 24, Rebuilt motor installed, calibration performed and flow rate adjusted.
- HV-3
June 14, Quarterly calibration performed and flow rate adjusted.
- HV-4
May 15, Rebuilt motor installed, calibration performed and flow rate adjusted.
- HV-6
April 19, Rebuilt motor installed, calibration performed and flow rate adjusted.
May 2, new flow rate adjuster installed, no calibration necessary.

- HV-7
May 2, Rebuilt motor installed, calibration performed and flow rate adjusted.
June 14, Rebuilt motor installed, calibration performed and flow rate adjusted.

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

4.0 CLIMATOLOGICAL DATA

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

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

5.0 DATA SUMMARY

Data for April, May, and June 2007 are presented in Table 1. The data from HV-1 on June 28, 2007 is considered unusable due to insufficient run time. The sample run time for HV-6 on April 29, 2007; HV-7 on April 29, 2007; HV-4 on May 11, 2007; HV-2 on May 17, and May 23, 2007; HV-1 on June 4, June 16, and June 22, 2007, were outside the 15% time of operations tolerance limit; the sample concentrations are considered estimated. The flow rate for HV-7 on April 5, 2007; HV-2 on May 11, May 15, May 29, June 4, 2007; and HV-1 on June 10, and June 16, 2007 were outside the 5ft³/minute calibrated flow rate; the sample concentrations are considered estimated. All other results reported are acceptable as presented.

The range and average lead results for the 2nd Quarter 2007 data are as follows:

- Background (HV-7)

Range	0.001-0.022 µg/m ³
Average	0.007 µg/m ³

- Upwind (HV-4 and HV-6)

Range	0.002-0.022 µg/m ³
Average	0.007 µg/m ³

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

Range	0.002-0.022 µg/m ³
Average	0.006 µg/m ³

During the 2nd Quarter 2007, all results were well below the National Ambient Air Quality Lead Standard of 1.5 µg/m³.

TABLES

TABLE 1
AIR MONITORING RESULTS SUMMARY
2ND QUARTER - APRIL 2007

Sample Date	Collection Date	Sample Location	Filter Number	Timer Initial	Timer Final	Timer Units	Total Time (min)	Flow Rate (ft ³ /min)	Total Sample (m ³)	Lead Content (µg)	Blank Value (µg)	Corrected Lead Content (µg)	Total Lead (µg/m ³)	Q
4/5/2007	4/10/2007	1	7763575	21704.3	21729.3	hrs	1500.6	45	1912.41	8.0	2.0 U	8	0.004	3
4/5/2007	4/10/2007	2	7763576	4528.1	4683.9	min	1455.0	45	1854.30	4.1	2.0 U	4.1	0.002	
4/5/2007	4/10/2007	3	7763577	81433.5	82901.1	min	1467.6	45	1870.35	3.3	2.0 U	3.3	0.002	
4/5/2007	4/10/2007	4	7763578	3506.1	3530.0	hrs	1434.0	45	1827.53	4.0	2.0 U	4	0.002	
4/5/2007	4/10/2007	6	7763579	48588.0	50046.2	min	1458.2	45	1858.37	3.2	2.0 U	3.2	0.002	
4/5/2007	4/10/2007	7	7763580	16909.9	16934.1	hrs	1447.8	45	1845.12	2.5	2.0 U	2.5	0.001	
4/11/2007	4/16/2007	1	7763569	21729.3	21753.3	hrs	1435.8	45	1829.83	16.2	2.0 U	16.2	0.009	
4/11/2007	4/16/2007	2	7763570	4683.9	4853.3	min	1440.0	45	1835.18	12.6	2.0 U	12.6	0.007	
4/11/2007	4/16/2007	3	7763571	82901.1	84353.7	min	1452.6	45	1851.24	13.1	2.0 U	13.1	0.007	
4/11/2007	4/16/2007	4	7763572	3530.0	3553.9	hrs	1433.4	45	1826.77	14.6	2.0 U	14.6	0.008	
4/11/2007	4/16/2007	6	7763573	50046.2	51513.6	min	1467.4	45	1870.10	17.8	2.0 U	17.8	0.010	
4/11/2007	4/16/2007	7	7763574	16934.1	16957.7	hrs	1415.4	45	1803.83	19.6	2.0 U	19.6	0.011	
4/17/2007	4/19/2007	1	7763563	21753.3	21777.4	hrs	1449.6	45	1847.41	4.2	2.0 U	4.2	0.002	2
4/17/2007	4/19/2007	2	7763564	4853.3	4995.3	min	1440.0	45	1835.18	4.9	2.0 U	4.9	0.003	
4/17/2007	4/19/2007	3	7763565	84353.7	85781.0	min	1427.3	45	1818.99	3.8	2.0 U	3.8	0.002	
4/17/2007	4/19/2007	4	7763566	3553.9	3577.8	hrs	1433.4	45	1826.77	4.8	2.0 U	4.8	0.003	
4/17/2007	4/19/2007	6	7763567	51513.6	52189.5	min	675.9	45	861.39	ND	2.0 U	ND	ND	
4/17/2007	4/19/2007	7	7763568	16957.7	16982.3	hrs	1481.4	45	1887.94	4.4	2.0 U	4.4	0.002	
4/23/2007	4/25/2007	1	7763557	21777.4	21801.2	hrs	1423.2	45	1813.77	40.0	2.0 U	40	0.022	3
4/23/2007	4/25/2007	2	7763558	4995.3	5602.3	min	1440.0	45	1835.18	27.1	2.0 U	27.1	0.015	
4/23/2007	4/25/2007	3	7763559	85781.0	87247.0	min	1466.0	45	1868.31	28.2	2.0 U	28.2	0.015	
4/23/2007	4/25/2007	4	7763560	3577.8	3601.7	hrs	1434.0	45	1827.53	35.1	2.0 U	35.1	0.019	
4/23/2007	4/25/2007	6	7763561	52189.5	53636.7	min	1447.2	45	1844.36	39.7	2.0 U	39.7	0.022	
4/23/2007	4/25/2007	7	7763562	16982.3	17006.3	hrs	1435.2	45	1829.06	39.7	2.0 U	39.7	0.022	
4/29/2007	5/2/2007	1	7763551	21801.2	21824.8	hrs	1419.6	45	1809.18	7.8	2.0 U	7.8	0.004	
4/29/2007	5/2/2007	2	7763552	5602.3	5764.8	min	1440.0	45	1835.18	6.0	2.0 U	6	0.003	
4/29/2007	5/2/2007	3	7763553	87247.0	88692.8	min	1445.8	45	1842.57	7.1	2.0 U	7.1	0.004	
4/29/2007	5/2/2007	4	7763554	3601.7	3625.6	hrs	1433.4	45	1826.77	8.3	2.0 U	8.3	0.005	
4/29/2007	5/2/2007	6	7763555	53636.7	55052.5	min	1415.8	45	1804.34	8.4	2.0 U	8.4	0.005	
4/29/2007	5/2/2007	7	7763556	17006.3	17030.3	hrs	1080.0	45	1376.38	6.1	2.0 U	6.1	0.004	

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
2ND QUARTER - MAY 2007

Sample Date	Collection Date	Sample Location	Filter Number	Timer Initial	Timer Final	Timer Units	Total Time (min)	Flow Rate (ft ³ /min)	Total Sample (m ³)	Lead Content (µg)	Blank Value (µg)	Corrected Lead Content (µg)	Total Lead (µg/m ³)	Q
5/5/2007	5/8/2007	1	7763545	21824.8	21849.0	hrs	1453.8	45	1852.77	8.0	2.0 U	8	0.004	
5/5/2007	5/8/2007	2	7763546	5764.8	6232.9	min	1440.0	45	1835.18	7.3	2.0 U	7.3	0.004	
5/5/2007	5/8/2007	3	7763547	88692.8	90105.0	min	1412.2	45	1799.75	7.6	2.0 U	7.6	0.004	
5/5/2007	5/8/2007	4	7763548	3625.6	3649.5	hrs	1434.0	45	1827.53	8.8	2.0 U	8.8	0.005	
5/5/2007	5/8/2007	6	7763549	55052.5	56478.2	min	1425.7	45	1816.95	9.2	2.0 U	9.2	0.005	
5/5/2007	5/8/2007	7	7763550	17030.3	17053.9	hrs	1420.2	45	1809.95	9.1	2.0 U	9.1	0.005	
5/11/2007	5/15/2007	1	7763538	21849.0	21873.1	hrs	1444.8	45	1841.30	7.8	2.0 U	7.8	0.004	
5/11/2007	5/15/2007	2	7763539	6232.9	6233.4	min	1455.0	45	1854.30	6.8	2.0 U	6.8	0.004	3
5/11/2007	5/15/2007	3	7763540	90105.0	91518.2	min	1413.2	45	1801.02	7.8	2.0 U	7.8	0.004	
5/11/2007	5/15/2007	4	7763541	3649.5	3673.0	hrs	1185.0	45	1510.20	9.0	2.0 U	9	0.006	2
5/11/2007	5/15/2007	6	7763542	56478.2	57948.3	min	1470.1	45	1873.54	8.8	2.0 U	8.8	0.005	
5/11/2007	5/15/2007	7	7763543	17053.9	17077.1	hrs	1392.6	45	1774.77	10.1	2.0 U	10.1	0.006	
5/17/2007	5/22/2007	1	7763532	21873.1	21897.1	hrs	1441.2	45	1836.71	3.9	2.0 U	3.9	0.002	
5/17/2007	5/22/2007	2	7763533	6233.4	6802.1	min	585.0	45	745.54	ND	2.0 U	ND	ND	2
5/17/2007	5/22/2007	3	7763534	91518.2	92945.5	min	1427.3	45	1818.99	3.4	2.0 U	3.4	0.002	
5/17/2007	5/22/2007	4	7763535	3673.0	3697.3	hrs	1452.6	45	1851.24	8.4	2.0 U	8.4	0.005	
5/17/2007	5/22/2007	6	7763536	57948.3	59396.8	min	1448.5	45	1846.01	3.3	2.0 U	3.3	0.002	
5/17/2007	5/22/2007	7	7763537	17077.1	17101.5	hrs	1462.2	45	1863.47	4.7	2.0 U	4.7	0.003	
5/23/2007	5/24/2007	1	7763526	21897.1	21920.9	hrs	1423.2	45	1813.77	20.8	2.0 U	20.8	0.011	
5/23/2007	5/24/2007	2	7763527	6802.1	7479.1	min	660.0	45	841.12	6.6	2.0 U	6.6	0.008	2, 3
5/23/2007	5/24/2007	3	7763528	92945.5	94405.6	min	1460.1	45	1860.80	16.3	2.0 U	16.3	0.009	
5/23/2007	5/24/2007	4	7763529	3697.3	3721.2	hrs	1434.6	45	1828.30	19.1	2.0 U	19.1	0.010	
5/23/2007	5/24/2007	6	7763530	59396.8	60872.2	min	1475.4	45	1880.29	14.2	2.0 U	14.2	0.008	
5/23/2007	5/24/2007	7	7763531	17101.5	17125.7	hrs	1453.2	45	1852.00	16.8	2.0 U	16.8	0.009	
5/29/2007	6/1/2007	1	7763520	21920.9	21944.5	hrs	1416.0	45	1804.59	5.4	2.0 U	5.4	0.003	
5/29/2007	6/1/2007	2	7763521	7479.1	8948.7	min	1469.6	45	1872.90	6.1	2.0 U	6.1	0.003	3
5/29/2007	6/1/2007	3	7763522	94405.6	95882.9	min	1477.3	45	1882.72	8.3	2.0 U	8.3	0.004	
5/29/2007	6/1/2007	4	7763523	3721.2	3745.1	hrs	1433.4	45	1826.77	9.9	2.0 U	9.9	0.005	
5/29/2007	6/1/2007	6	7763524	60872.2	62402.2	min	1530.0	45	1949.88	7.8	2.0 U	7.8	0.004	
5/29/2007	6/1/2007	7	7763525	17125.7	17150.2	hrs	1469.4	45	1872.65	8.8	2.0 U	8.8	0.005	

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
2ND QUARTER - JUNE 2007

Sample Date	Collection Date	Sample Location	Filter Number	Timer Initial	Timer Final	Timer Units	Total Time (min)	Flow Rate (ft ³ /min)	Total Sample (m ³)	Lead Content (µg)	Blank Value (µg)	Corrected Lead Content (µg)	Total Lead (µg/m ³)	Q
6/4/2007	6/7/2007	1	7763514	21944.5	21968.0	hrs	840.0	45	1070.52	3.0	2.0 U	3	0.003	2
6/4/2007	6/7/2007	2	7763515	8948.7	10355.4	min	1406.7	45	1792.74	16.6	2.0 U	16.6	0.009	3
6/4/2007	6/7/2007	3	7763516	95882.9	97309.6	min	1426.7	45	1818.23	13.3	2.0 U	13.3	0.007	
6/4/2007	6/7/2007	4	7763517	3745.1	3768.9	hrs	1433.4	45	1826.77	13.1	2.0 U	13.1	0.007	
6/4/2007	6/7/2007	6	7763518	62402.2	63861.7	min	1459.5	45	1860.03	9.1	2.0 U	9.1	0.005	
6/4/2007	6/7/2007	7	7763519	17150.2	17174.0	hrs	1425.0	45	1816.06	8.6	2.0 U	8.6	0.005	
6/10/2007	6/14/2007	1	7763507	21968.0	21991.4	hrs	1407.0	45	1793.12	7.2	2.0 U	7.2	0.004	3
6/10/2007	6/14/2007	2	7763508	355.4	1790.6	min	1435.2	45	1829.06	8.6	2.0 U	8.6	0.005	
6/10/2007	6/14/2007	3	7763509	97309.6	98756.4	min	1446.8	45	1843.85	7.8	2.0 U	7.8	0.004	
6/10/2007	6/14/2007	4	7763510	3768.9	3792.8	hrs	1433.4	45	1826.77	10.6	2.0 U	10.6	0.006	
6/10/2007	6/14/2007	6	7763511	63861.7	65301.6	min	1439.9	45	1835.05	9.6	2.0 U	9.6	0.005	
6/10/2007	6/14/2007	7	7763512	17174.0	17197.8	hrs	1430.4	45	1822.94	9.6	2.0 U	9.6	0.005	
6/16/2007	6/18/2007	1	7763501	21991.4	21998.6	hrs	433.2	45	552.08	6.4	2.0 U	6.4	0.012	2,3
6/16/2007	6/18/2007	2	7736502	1790.6	3265.5	min	1474.9	45	1879.66	13.0	2.0 U	13	0.007	
6/16/2007	6/18/2007	3	7763503	98756.4	100197.9	min	1441.5	45	1837.09	13.4	2.0 U	13.4	0.007	
6/16/2007	6/18/2007	4	7763504	3792.8	3816.7	hrs	1433.4	45	1826.77	14.2	2.0 U	14.2	0.008	
6/16/2007	6/18/2007	6	7763505	65301.6	66758.6	min	1457.0	45	1856.84	13.2	2.0 U	13.2	0.007	
6/16/2007	6/18/2007	7	7763506	17197.8	17222.1	hrs	1455.0	45	1854.30	15.6	2.0 U	15.6	0.008	
6/22/2007	6/26/2007	1	7761595	21998.6	22018.0	hrs	1159.8	45	1478.08	7.0	2.0 U	7	0.005	2
6/22/2007	6/26/2007	2	7761596	3265.5	4681.3	min	1415.8	45	1804.34	7.6	2.0 U	7.6	0.004	
6/22/2007	6/26/2007	3	7761597	197.9	1646.3	min	1448.4	45	1845.88	5.4	2.0 U	5.4	0.003	
6/22/2007	6/26/2007	4	7761598	3816.7	3840.6	hrs	1434.0	45	1827.53	9.3	2.0 U	9.3	0.005	
6/22/2007	6/26/2007	6	7761599	66758.6	68201.8	min	1443.2	45	1839.26	6.6	2.0 U	6.6	0.004	
6/22/2007	6/26/2007	7	7761600	17222.1	17246.2	hrs	1451.4	45	1849.71	6.0	2.0 U	6	0.003	
6/28/2007	7/2/2007	1	7761589	22018.0	22021.3	hrs	202.8	45	258.45	3.0	2.0 U	3	NC	1
6/28/2007	7/2/2007	2	7761590	4681.3	6133.3	min	1452.0	45	1850.47	22.6	2.0 U	22.6	0.012	
6/28/2007	7/2/2007	3	7761591	1646.3	3137.4	min	1491.1	45	1900.30	21.5	2.0 U	21.5	0.011	
6/28/2007	7/2/2007	4	7761592	3840.6	3864.5	hrs	1433.4	45	1826.77	18.9	2.0 U	18.9	0.010	
6/28/2007	7/2/2007	6	7761593	68201.8	68201.8	min	1470.0	45	1873.41	18.0	2.0 U	18	0.010	
6/28/2007	7/2/2007	7	7761594	17246.2	17270.3	hrs	1442.4	45	1838.24	21.1	2.0 U	21.1	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 2
WIND SPEED AND DIRECTION SUMMARY
2ND QUARTER 2007

DATE SAMPLED	WINDSPEED (MPH)	WIND DIRECTION (DEGREES)
4/5/2007	13.1	275
4/11/2007	5.6	110
4/17/2007	11.5	345
4/23/2007	8.7	235
4/29/2007	7.8	313
5/5/2007	8.5	22
5/11/2007	5.5	333
5/17/2007	6.1	2
5/23/2007	5.9	220
5/29/2007	5.0	27
6/4/2007	4.3	62
6/10/2007	3.2	348
6/16/2007	3.5	212
6/22/2007	9.2	328
6/28/2007	5.3	222

The degree and compass point correlations are:

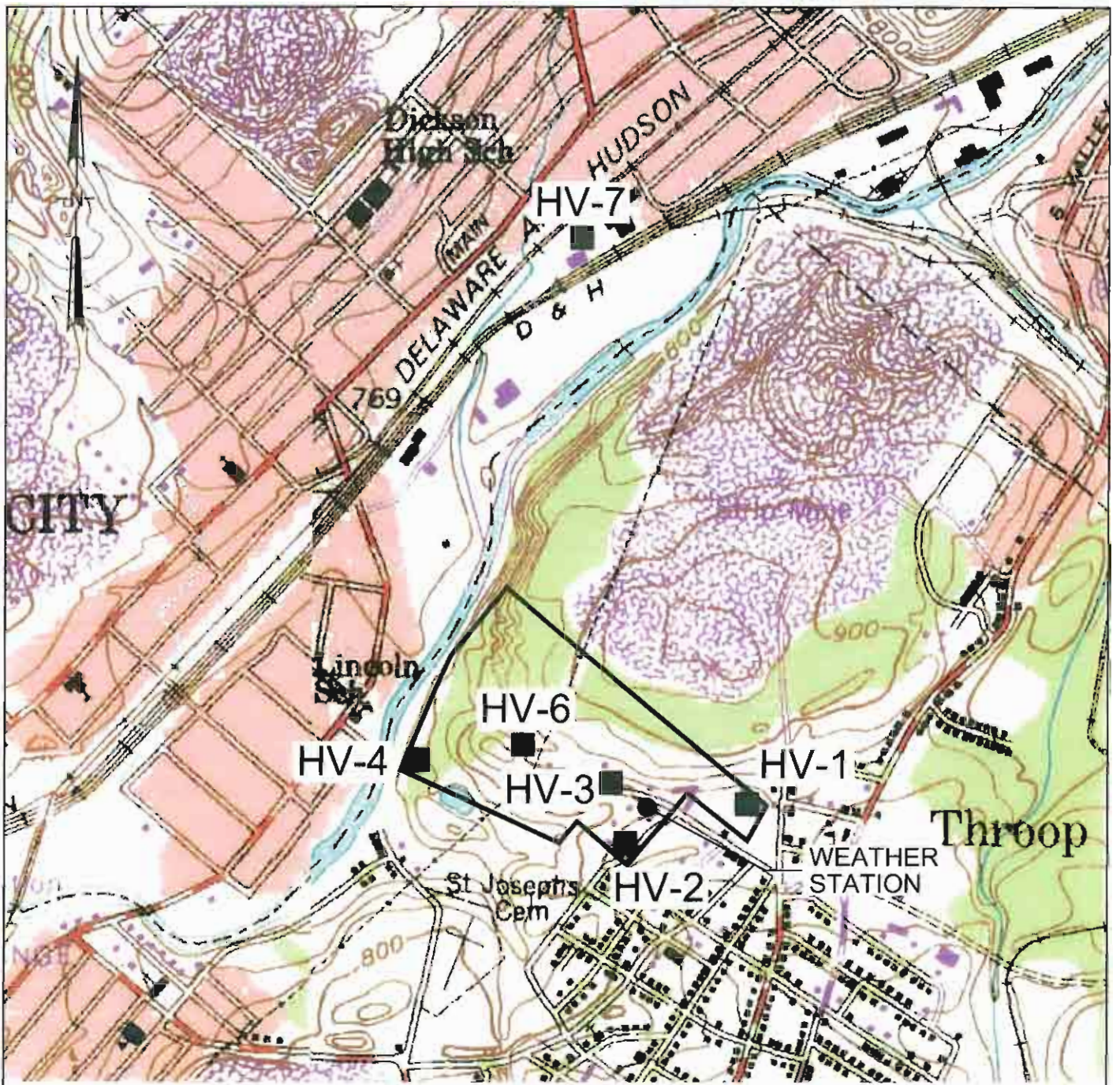
0 degrees	-	North
45 degrees	-	Northeast
90 degrees	-	East
135 degrees	-	Southeast
180 degrees	-	South
225 degrees	-	Southwest
270 degrees	-	West
315 degrees	-	Northwest

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.

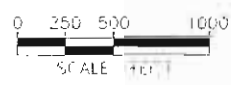
FIGURE



LEGEND


■ - HIGH VOLUME SAMPLER LOCATION

Base Map Source:
 U.S.G.S 7.5 minute quadrangles
 of Ulysses and Scranton Pennsylvania,
 dated 1946, photo-revised 1983.



MARJOL BATTERY SITE

THROOP BOROUGHS, LACKAWANNA COUNTY, PENNSYLVANIA

Scale: 1" = 1000'	HIGH VOLUME SAMPLER LOCATIONS
Designed By: A.W.D.	
Drawn By: S.M.T.	 Advanced GeoServices Corp. 1025 Andrew Drive, Suite A West Chester, Pennsylvania 19380 (610) 840-2900 FAX (610) 840-9191
Checked By: A.W.D.	
Project Mgr: S.L.F.	
Drawn By: S.M.T.	
DATE: 15 2003	FIGURE: 1

APPENDIX A

HI-VOLUME SAMPLER CALIBRATION WORKSHEETS

APPENDIX B

**ORIFICE TRANSFER STANDARD CERTIFICATION
WORKSHEETS**

APPENDIX C

FIRST ANALYTICAL LABORATORIES DATA

APRIL 2007 SAMPLES

MAY 2007 SAMPLES

JUNE 2007 SAMPLES

APPENDIX D

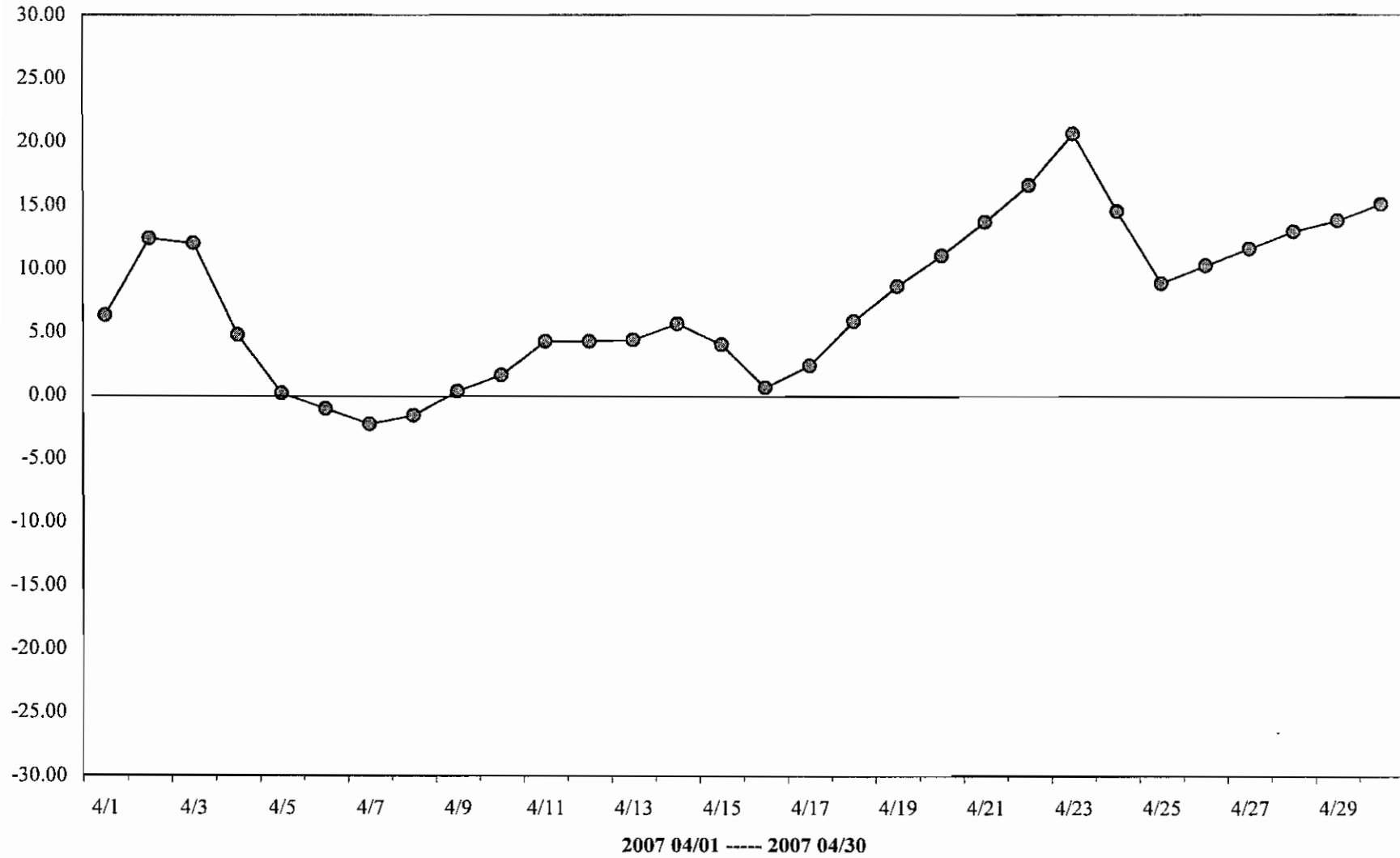
DATA EVALUATION CHECKLISTS

APPENDIX E

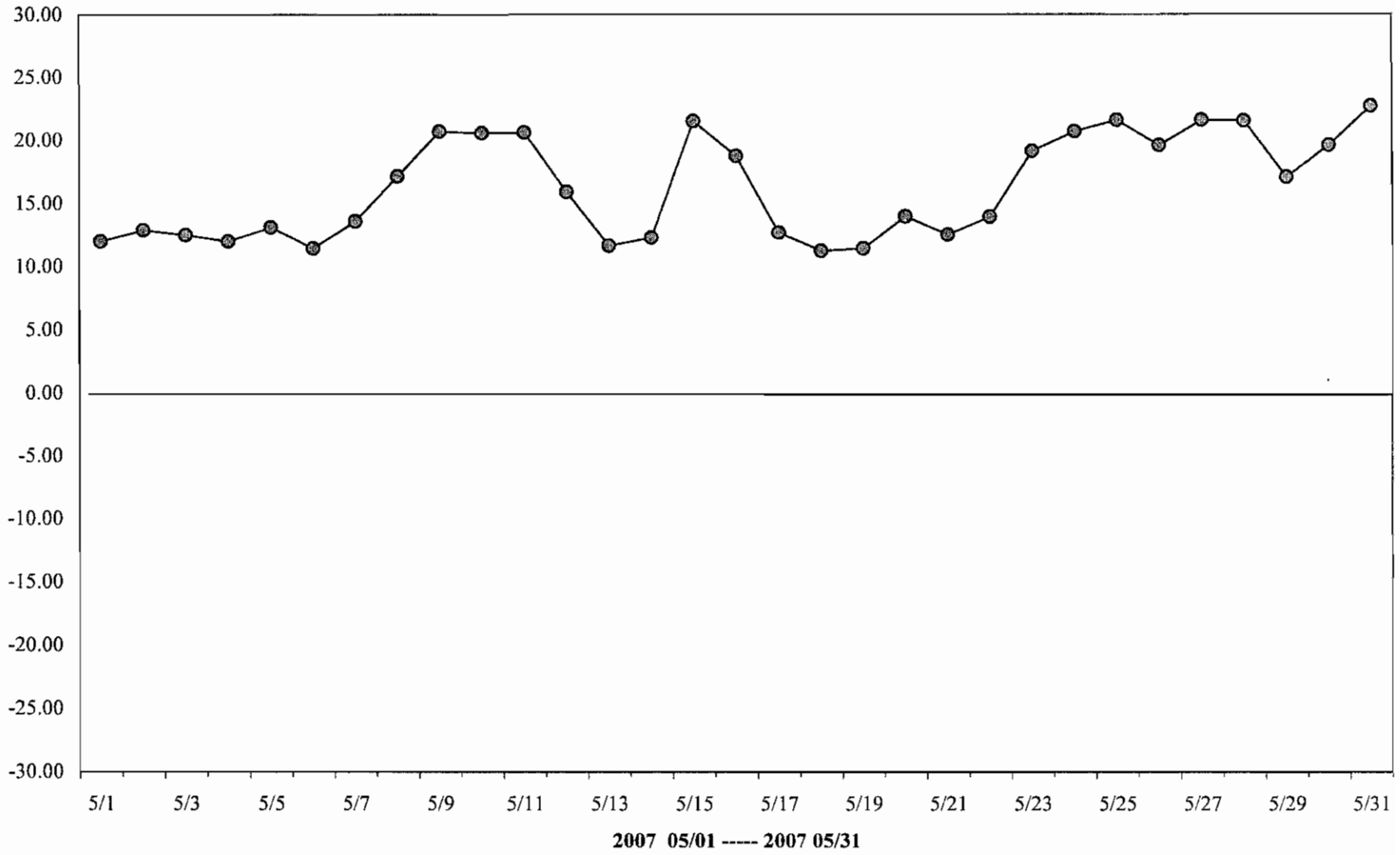
AIR MONITORING PROGRAM CHECKLISTS

APPENDIX F
CLIMATOLOGICAL DATA

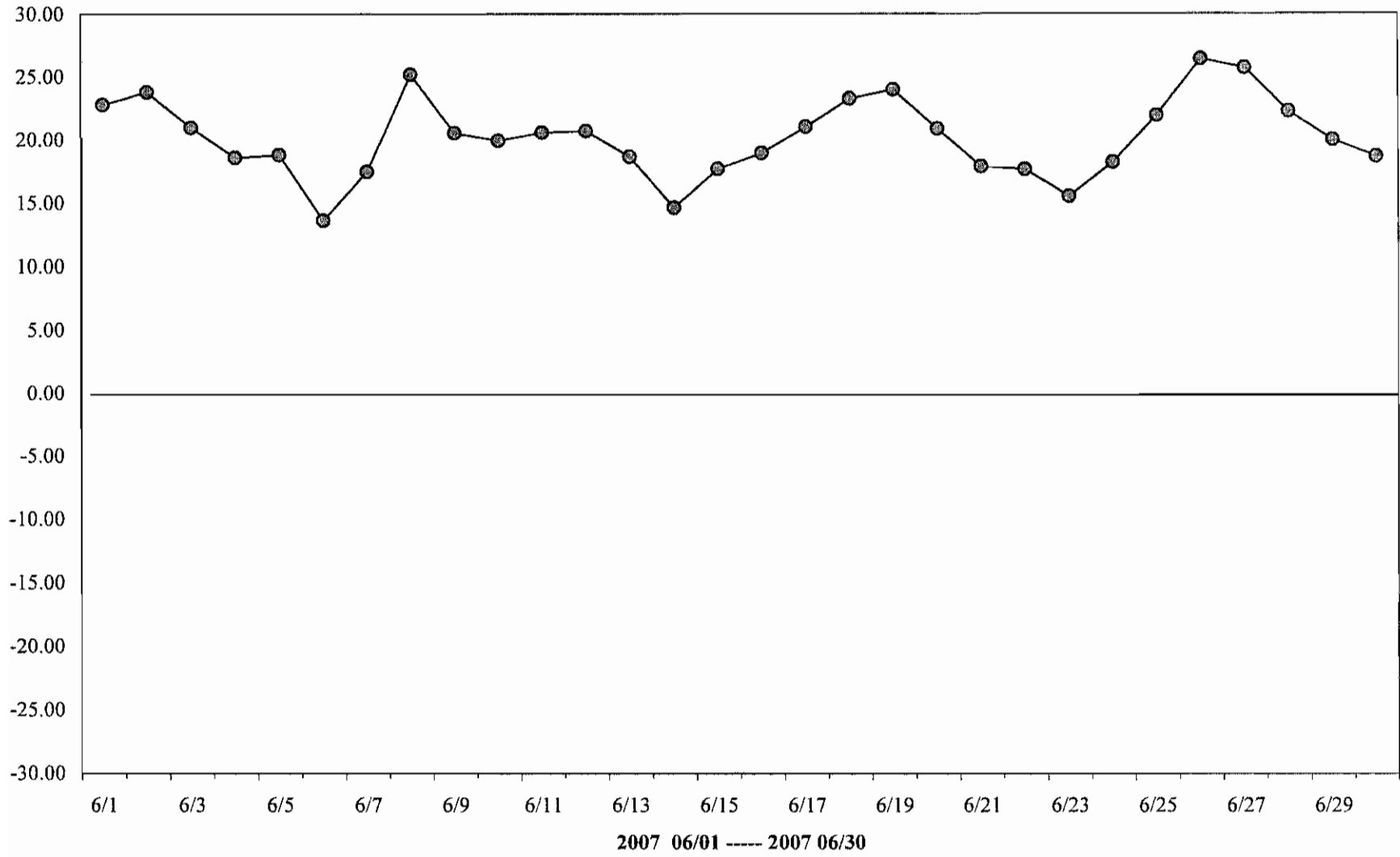
AT (Deg C) TREND CHART



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**SECOND QUARTER 2007
SITE STORMWATER MANAGEMENT BASIN
PERFORMANCE MONITORING REPORT
MARJOL BATTERY SITE
THROOP, PENNSYLVANIA**

November 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
2007 Second Quarter Sample Results

Dear Ms. Essenthier:

Advanced GeoServices Corp. (AGC) on behalf of Gould Electronics Inc. (Gould) is pleased to present the 2007 Second Quarter results for the Marjol Battery Site (Site) located in Throop Borough, Pennsylvania. Performance monitoring requirements are outlined in the Site Stabilization and Stormwater Management Plan and were amended April 1, 1991 in the Lackawanna River and Sedimentation Basin Monitoring Report, and in the Responses to United States Environmental Protection Agency (USEPA), Pennsylvania Department of Environmental Protection (PADEP) and Throop Borough comments for the RCRA Facility Investigation Report, dated October 22, 1993 in concurrence with the USEPA. The performance monitoring includes the collection of a stormwater sample taken from the Stormwater Management Basin (SMB) prior to discharging the detained stormwater, and surface water sampling at four locations in the Lackawanna River during the SMB discharge event. In addition, sediment samples are collected from the SMB and the Lackawanna River. The sample locations are shown on the attached Figure SMBP-1.

Surface Water and Stormwater Sampling Results

The Second Quarter stormwater basin and surface water samples were collected on June 29, 2007 and analyzed for total and dissolved lead by EPA Method 200.8. The surface water location T2-EN-1970 (SMB [near riser pipe]) had a total lead result of 5.8 micrograms per liter ($\mu\text{g/L}$), which is well within historic levels. Total lead concentrations were below the detection limit of 2 $\mu\text{g/L}$ for sample locations T2-EN-1972, T2-EN-1973, T2-EN-1974 and T2-EN-1975 (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 Essentier (3WC22)
92-002-103
November 15, 2007
Page 2 of 2

Sediment Sampling Results

The Second Quarter SMB sediment samples were collected on May 8, 2007 and analyzed for total lead by EPA Method 200.8. The rip-rap channel plunge pool (T2-EN-1969), the last filter berm (T2-EN-1967), and the center of the SMB (T2-EN-1968) sample results were 615 milligrams per kilogram (mg/kg), 30.6 mg/kg, and 134 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 May 8, 2007 and analyzed for total lead by EPA Method 200.8. The background concentrations in the upstream (L52-09/10 and L52-11) and downstream (L52-01) locations ranged from 15.5 mg/kg to 29.1 mg/kg and averaged 20.9 mg/kg. The sample result for the most downstream location was 29.1 mg/kg (L52-01). Sediment sample results for locations L52-02, L52-03/04, L52-05, L52-06, L52-07, and L52-08, immediately south of the Sulphur Creek and Lackawanna River confluence had lead concentrations ranging from 14.4 mg/kg to 166 mg/kg, with an average of 44.4 mg/kg. 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 2007 Second Quarter Surface Water
and Stormwater Sample Results

2007 2nd Quarter Sample Number	Location	Sample Results (µg/l)	
		Total Lead	Dissolved Lead
T2-EN-1970	Stormwater Management Basin	5.8	<2
T2-EN-1972	Boulevard Ave. (= 1900 feet downstream of Sulphur Creek)	<2	<2
T2-EN-1973	680 ft. upstream of Sulphur Creek	<2	<2
T2-EN-1974	1350 ft. upstream of Sulphur Creek	<2	<2
T2-EN-1975	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

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
2007	1st Quarter	T2-EN-1966, T2-EN-1967, T2-EN-19NA	206	232	NS
	2nd Quarter	T2-EN-1969, T2-EN-1967, T2-EN-1968	615	30.6	134

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**

2007 2nd Quarter Sample Number	Sample Location ¹	Depth of Sample (Inch)	1 st Qtr. 1998	2 nd Qtr. 1998	3 rd Qtr. 1998	4 th Qtr. 1998	1 st Qtr. ⁽¹²⁾ 1999	2 nd Qtr. 1999	3 rd Qtr. 1999	4 th Qtr. 1999	1 st Qtr. 2000	2 nd Qtr. 2000	3 rd Qtr. 2000	4 th Qtr. 2000	1 st Qtr. 2001	2 nd Qtr. 2001	3 rd Qtr. 2001	4 th Qtr. 2001	1 st Qtr. 2002	2 nd Qtr. 2002	3 rd Qtr. 2002	4 th Qtr. 2002	1 st Qtr. 2003	2 nd Qtr. 2003	3 rd Qtr. 2003	4 th Qtr. 2003	1 st Qtr. 2004	2 nd Qtr. 2004	3 rd Qtr. 2004	4 th Qtr. 2004	
L52-01	= 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	
L52-02	= 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	
L52-03	= 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	
L52-04 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	
L52-05	= 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	
L52-06	= 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	
L52-07	= 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	
L52-08	= 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	
L52-09	= 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	
L52-10 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	
L52-11	= 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																		

2007 2nd Quarter Sample Number	Sample Location ¹	Depth of Sample (Inch)	1 st Qtr. 2005	2 nd Qtr. 2005	3 rd Qtr. 2005	4 th Qtr. 2005	1 st Qtr. 2006	2 nd Qtr. 2006	3 rd Qtr. 2006	4 th Qtr. 2006	1 st Qtr. 2007	2 nd Qtr. 2007
L52-01	= 1600 ft. downstream of Sulphur Creek	0 - 3	40	36	43	40J	18	23	39.5	14.4	42.3	29.1
L52-02	= 115 ft. downstream of Sulphur Creek	0 - 3	27	69	64	34J	19	21	20.9	17.8	17.6	14.4
L52-03	= 30 ft. downstream of Sulphur Creek	0 - 3	20	43	68	43J	76	132J	52.7J	34.9	16.6	24
L52-04 ⁴	= 30 ft. downstream of Sulphur Creek	0 - 3	25	49	95	35J	51	57J	84.7J	25.2	22.4	28
L52-05	= 45 ft. downstream of Sulphur Creek (at stormwater pipe outfall)	0 - 3	23	45	74	85J	49	49	54.6	348	76.3	41.8
L52-06	= 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	29.3	20.5
L52-07	= 12 ft. downstream of Sulphur Creek (center of Lackawanna River)	0 - 3	24	31	28	28J	31	16	39.1	12.5	18	166
L52-08	= 9 ft. downstream of Sulphur Creek	0 - 3	90	46	31	40J	28	28	72.7	28.1	18	15.9
L52-09	= 850 ft. upstream of Sulphur Creek	0 - 3	32	20	22	30J	29	21	23.1J	12.8	14	20.7
L52-10 ⁵	= 850 ft. upstream of Sulphur Creek	0 - 3	31	26	32	20J	23	17	14.0J	9.2	14.8	15.5
L52-11	= 1550 ft. upstream of Sulphur Creek	0 - 3	18	24	51	26J	36	14	17.7	8.0	19.2	18.1

Notes: All results reported in mg/kg

J Estimated result

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

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

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

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

⁸ NA - Not applicable

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

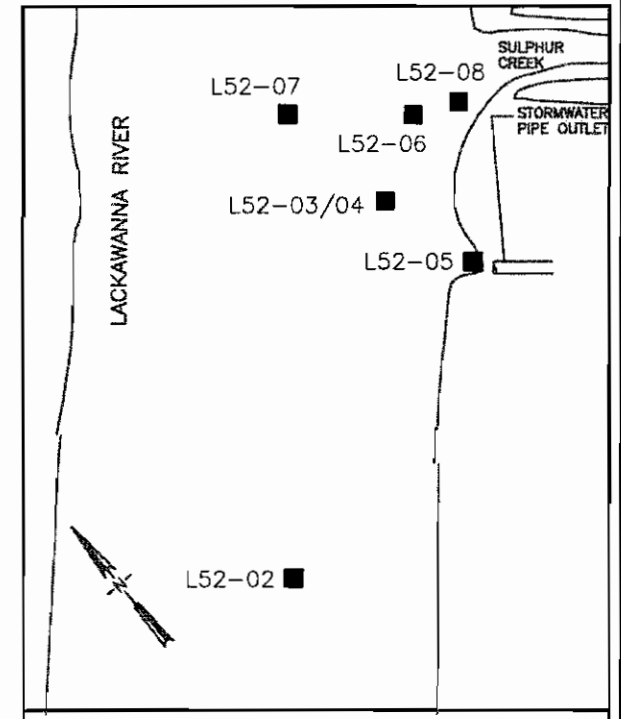
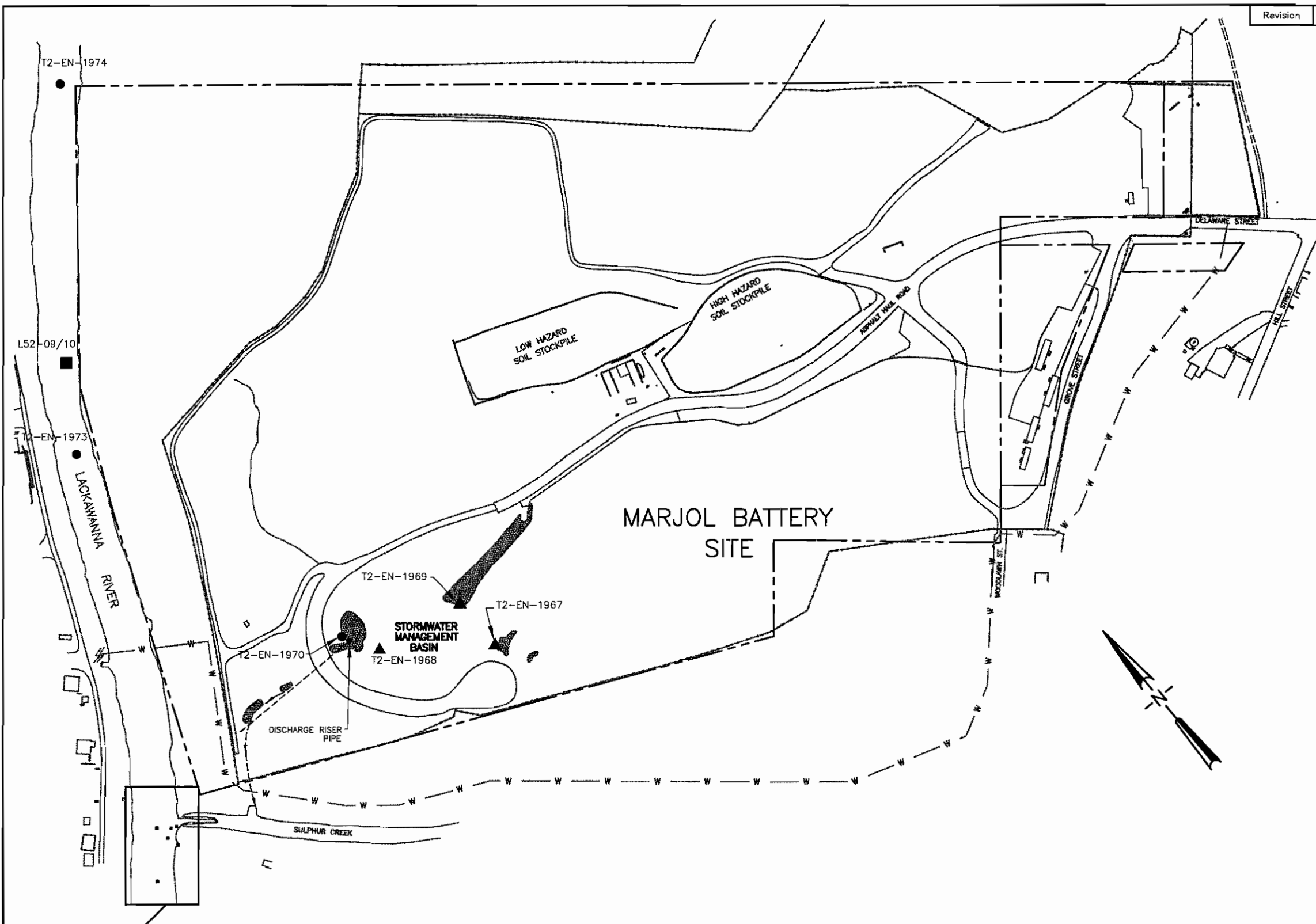
¹² Results in parenthesis represent the samples re-analysis results.

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

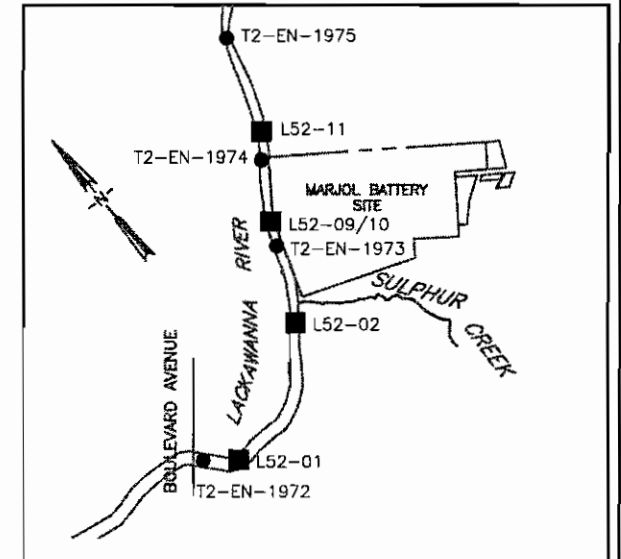


FIGURE

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



NOT TO SCALE OVERVIEW No.1

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:

- 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
- 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.

**2007 SECOND QUARTER
SURFACE WATER AND SEDIMENT
SAMPLING LOCATION PLAN**

Scale: 1" = 200'
Originated By: A.W.D.
Drawn By: A.W.D.
Checked By: E.H.N.
Project Mgr: B.L.F.
Dwg No. 92002-MP-16
Issue Date: NOV 15 2007

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

Project No. 92-002-120-02	FIGURE: SMBP-1
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**SECOND QUARTER 2007
SURFACE WATER SAMPLES**

**SECOND QUARTER 2007
SEDIMENT SAMPLES**

ATTACHMENT

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

THROOP BOROUGH COUNCIL
MEETING NOTES

NOTES FROM THROOP BOROUGH COUNCIL
July 12, 2007 (Special Monthly Meeting)

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

July 12, 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:

- * “Meet & Greet Frank Andrews Shimkus, Thursday, July 19th, 6:00 p.m. to 8:00 p.m. at the Throop Municipal Building.”
- * “2007 Annual Blood Lead Screening Program – Tuesday, July 17th 6:30 pm to 8:30 pm and Saturday, July 21st 1:00 pm to 3:00 pm.”
- * “The Bid opening for the Civic Center Gym Floor will be at the month end meeting on Monday, July 30, 2007. The bids are due by 12 noon that day.”

AUDIENCE COMMENTS ON THE AGENDA:

There were no audience comments on the agenda.

THE MEETING:

- * A motion was passed, “To ratify the transfer of \$50,000.00 from the Capital Projects Account to the General Fund. (The last payment for the Eddy Creek Project was paid from the General Fund.)” (All in favor.) “On the question”, Tom Lukasewicz asked if there would still be \$115,400.89 left in the account after the transfer. Elaine Morrell said there would be \$115,400.89 left in the budget line item.
- * A motion was passed, “To advertise Throop Borough Ordinance #5 of 2007, an ordinance prohibiting truck traffic on Simpson Street.” (All in favor.)

AUDIENCE COMMENTS ON NEW BUSINESS

- * Holly Angerson, Burt Geoffroy, John Richards, John (Jack) Wall, Jessica Kalinoski, and Bill Shevchik commented on items related to Schoolside Estates. A lengthy discussion took place.

NOTES FROM THROOP BOROUGH COUNCIL
July 30, 2007 (Monthly Meeting)

**NOTES FROM THROOP BOROUGH COUNCIL
MONTHLY MEETING**

July 30, 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:

- * “Tomorrow, Tuesday, July 31, 2007 at 7:00 p.m. – Marjol Meeting at the Throop Civic Center.”
- * “Thursday, August 2, 2007 – Tom Bradley, Veterans Outreach will be at the Throop Municipal Building from Noon to 3:00 p.m.”
- * “Monday, August 6, 2007 at 7:00 p.m. – Congressman Kanjorski’s Town Hall Meeting at the Throop Municipal Building.”
- * “Tuesday, August 7, 2007 – Throop Annual Night Out – Parade at 7:00 p.m. Festivities at Washington Street Park, including Fireworks.”

AUDIENCE COMMENTS ON THE AGENDA:

- * Officer William Hazleton commented on the upcoming Night Out.
- * Mr. Zilla commented on Motion #7, “To adopt Throop Borough Ordinance #5 of 2007, an ordinance prohibiting truck traffic on Simpson Street, all trucks exceeding 21,000 lbs. except for local deliveries will be prohibited.” There was discussion about a similar ordinance for Clark Street.
- * Dominick Rocco commented on Motion #9, “To authorize payment #11 to Jerry Ganz, Inc. in the amount of \$115,216.00 for the DPW Garage Project as per the recommendation of SDA Architects.” Mr. Rocco said he felt that payment should be withheld if there were still problems with the DPW building.

- * Bette Goreschak noted that the Keystone Industrial Park sign is blocked by bushes and truck drivers cannot see it. Elaine Morrell stated that Dave Morrell was working on it.

THE MEETING:

- * Bids were opened for the Throop Civic Center Gym Floor. A motion was passed, “To refer the bids for review and recommendation.” (All in favor.)
- * A motion was passed, “To accept the monthly zoning reports and the minutes of the June 25th and July 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 motion was passed, “To pay all the employees of Throop Borough.” (Barnick abstained on voting for his daughter’s pay; rest in favor of paying all employees.)
- * A motion was passed, “To accept the correspondence as read or posted.” (All in favor.)
- * A motion was passed, “To adopt Throop Borough Ordinance #5 of 2007, an ordinance prohibiting truck traffic on Simpson Street, all trucks exceeding 21,000 lbs. except for local deliveries will be prohibited.” (All in favor.)
- * A motion was passed, “To authorize payment #11 to Jerry Ganz, Inc. in the amount of \$115,216.00 for the DPW Garage Project as per the recommendation of SDA Architects.” (Barnick against; rest in favor.)
- * A motion was passed, “To adopt Throop Borough Resolution #16 of 2007 appointing Jonathan Musewicz, Jr. as a member of the Throop Borough Planning Agency to fill the vacancy due to the resignation of Wayne Williams. This is a 4 year term. The current term expires March 5, 2008.” (Musewicz abstained; rest in favor.)

MOTIONS NOT ON THE WRITTEN AGENDA:

- * A motion was passed, “To increase the allocations of the Non-Uniform and Police Pension Plans to 60% equity and 40% bonds, as recommended by Ron Yanoski and Joseph Duda.” (All in favor.)
- * A motion was passed to accept the bid from Richard Mellow, electrical contractor, in the amount of \$8,400 for the Bellman Street Pump Station.” (All in favor.)
- * A motion was passed, “To direct the solicitor to develop an ordinance to prohibit trucks on the 600 and 700 blocks of Clark Street (from George St. to Cypress St.). “On the question”, Tom Lukasewicz commented that a traffic study would have to be done. Jim Barnick noted that if too many streets ban truck traffic, there won’t be anywhere to turn.

AUDIENCE COMMENTS ON NEW BUSINESS

- * Jack Wahl commended council for doing a good job.

**NOTES FROM TOWN MEETING WITH
CONGRESSMAN KANJORSKI
August 6, 2007**

NOTES FROM TOWN MEETING WITH CONGRESSMAN KANJORSKI
August 6, 2007

Congressman Kanjorski held a town meeting on August 6, 2007, at the Throop Borough Building. The Congressman said he was holding the meeting because at the last meeting in Dunmore, Joe Keyasko (Throop Borough Citizen) was upset that he hadn't had a meeting in Throop.

Citizens from all over the area attended the meeting with a variety of issues to bring to Congressman Kanjorski's attention.

Mary Ann Richardson (formerly of Throop) and Joe Keyasko (Throop Borough) spoke regarding the Marjol Battery Site. Congressman Kanjorski said now they have to see that the remedy is implemented as it is laid out in the law.

NOTES FROM THROOP BOROUGH COUNCIL
August 27, 2007 (Monthly Meeting)

**NOTES FROM THROOP BOROUGH COUNCIL
MONTHLY MEETING**

August 27, 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**

PRESENTATION:

Mayor Lukowski gave a plaque to the owners of Bosak's Meats in appreciation for their support to the Throop DARE and Night Out Programs.

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 July 30, 2007 Council Meeting." (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 motion was passed, "To pay all the employees of Throop Borough." (Barnick abstained on voting for his daughter's pay; Musewicz abstained on voting for his son's and daughter's pays; rest in favor of paying all employees.)
- * A motion was passed, "To accept the correspondence as read or posted." (All in favor.)
- * A motion was passed, "To ratify awarding the bid to the lowest responsible bidder, Mark Stom, Rainbow Floors, for the Civic Center Gym Floor in the amount of \$13,600.00." (All in favor.) "On the question", Joe Barone asked when the work was going to start. A discussion took place.

- * A motion was passed, “To ratify Scranton Craftsmen’s Change Order #4 in the amount of \$8,715.00 for the Eddy Creek Sewer Replacement Project. A letter to be sent to Scranton Craftsmen and Peters Design Group requesting a detailed explanation for the Change Order; written responses to be submitted within two weeks directly to Atty. Cimini.” (All in favor.) “On the question”, Jim Barnick asked who was responsible for the “mess-up” – Scranton Craftsmen or Peters Design. A discussion took place.
- * A motion was passed, “To participate in the Local Update of Census Addresses (LUCA) Program 2010 Decennial Census. To authorize a liaison and reviewers; Elaine Morrell, Christina Sullivan, Robert Kalinoski, David Morrell, Keith Jones, Mayor Stan Lukowski and council members present this evening, James Barnick, Joseph Barone, Tony Chrzan, Ray Jarosh, Thomas Lukasewicz, and John Musewicz. A Confidentiality Agreement must be signed by the participants.” (All in favor.)
- * A motion was passed, “To direct the solicitor to prepare a “Waste Ordinance” as required by PA DEP Bureau of Waste Management Act 101 Municipal Recycling Program Performance Grant. HB 1902, now Act 140, was signed by Governor Rendell on November 9th. One of the requirements is that through ordinance, that all residents have waste and recycling service.” (All in favor.) “On the question”, Tom Lukasewicz commented that this was required and just making the Borough do more work, spend more money, and waste time. Jim Barnick suggested that instead of wasting its time on things like this, PADEP should go to Maid-Rite and do something.
- * A motion was passed, “To give conditional approval to Scranton Craftsmen Excavating Application for Payment #3 in the amount of \$48,575.00 for the Eddy Creek Sewer Project as per the borough engineer, pending all matters are resolved with the street commissioner and borough engineer – all required sign-offs before payment is made.” (All in favor.) “On the question”, Tom Lukasewicz stressed that all sign-offs be obtained from Rob Kalinoski and Peters Design before payment is made. A discussion took place.
- * A motion was passed, to table Motion #14, “To give conditional approval to Scranton Craftsmen Excavating Application Payment #4 in the amount of \$8,715.00 for Change Order #4 for the Eddy Creek Sewer Project pending authorization by the borough engineer and all matters are resolved with the street commissioner and borough engineer.” (All in favor of tabling the motion.) “On the question”, Jim Barnick stated that he understands the work was done, but suggested that before the bill is paid, Council has to determine who was at fault. A discussion took place.

MOTIONS NOT ON THE WRITTEN AGENDA:

- * A motion was passed, “To grant the request for leave of absence by Richard Fuhr.” (All in favor.)

- * A motion was passed, "To advertise for a full-time maintenance individual at the Civic Center, background to include electrical, plumbing, painting; 'jack of all trades'." (All in favor.) "On the question", Jim Barnick and Tom Lukasewicz discussed getting a good individual who knows what they are doing and who cares about the Civic Center.
- * A motion was passed, "To direct the solicitor to develop an ordinance to prohibit trucks on the 600 and 700 blocks of Clark Street (from George St. to Cypress St.). "On the question", Tom Lukasewicz commented that a traffic study would have to be done. Jim Barnick noted that if too many streets ban truck traffic, there won't be anywhere to turn.
- * A motion was passed, "To authorize necessary sewer repairs to 1125 South Valley Avenue as per the proposal of Scranton Craftsmen in the amount of \$3,700." (All in favor.) "On the question", Tom Lukasewicz noted for the record that there should be no fixing up of the resident's gardens. The Borough was only going to pay for fixing its line.
- * A motion was passed, "To re-authorize the Oleckna Street Sanitary Sewer Reconstruction Project." (All in favor.) "On the question", Tom Lukasewicz stated that this motion was just to reaffirm that it was awarded in April and to confirm that it will be done. A discussion took place regarding a blockage at 408 Oleckna Street; the blockage was not part of the original project that was bid out and awarded.
- * A motion was passed, "To allow Gould to evaluate the 48 acres for possible use of cover for the Marjol Project." (All in favor.) "On the question", Tom Lukasewicz explained that, "this is to allow Gould, Inc. to review samples of spoils that are on our property to see if they could be used for back fill when they do the clean up of the Gould property."
- * A motion was passed, "To authorize Attorney Cimini to submit a letter to request DEP to monitor Maid-Rite on a daily basis, to include installation of air monitors and testing be done for what is currently discharged. Corrections supposedly made are not satisfactory and citizens are annoyed." (All in favor.)

OFFICIAL COMMENTS:

- * Joe Barone commented that the Borough should look into having Atty. Cimini handle the Borough's litigation cases (as opposed to attorney's working for the Borough's insurance companies.)

AUDIENCE COMMENTS ON NEW BUSINESS

- * Joe Arvay thanked those who helped him in trying to get a handicap sign in place.
- * Dominick Rocco asked about the status of the Bellman Street Pump Station.

NOTES FROM THROOP BOROUGH COUNCIL
September 6, 2007 (Special Monthly Meeting)

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

September 6, 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:

- * “Blood Drive in Memory of Paul Krupski on Sun., Sept. 23, 2007 at the Throop Civic Center 10:00 a.m. to 2:00 p.m.”

AUDIENCE COMMENTS ON THE AGENDA:

There were no audience comments on the agenda.

THE MEETING:

- * A motion was passed, “To transfer \$12,000.00 from the Capital Projects Account to the General Fund.” (All in favor.)
- * A motion was passed, “To accept the ‘Financial Requirement and (MMO) Minimum Municipal Obligation Budget for 2008’: Police Pension Plan MMO based on 8% interest rate, MMO \$50,540.00 and Non-Uniform Pension Plan MMO based on a 8% interest rate, MMO \$75,382.00 as prepared by Duda Actuarial Consulting.” (All in favor.)
- * A motion was passed, “To accept Nick Rocco’s resignation as a member of the Throop Planning Agency effective immediately.” (All in favor.) “On the question”, Joe Barone asked why Mr. Rocco was resigning. Tom Lukasewicz said that he moved out of town.
- * A motion was passed, “To advertise for adoption on September 24, 2007, Ordinance #6 of 2007, an ordinance providing for the Collection and Disposal of Municipal Waste; Requiring Preparation, Manner and Frequency of Collection and Authorizing Additional Rules and Regulations.” (All in favor.)

MOTIONS NOT ON THE WRITTEN AGENDA:

- * A motion was passed to direct Attorney Cimini to research the Sunny Day Fund Ordinance and see what would have to be done to enable the Borough to borrow money from the fund (approximately \$350,000). The Borough would pay the money back to the fund next year with interest. The motion included authorization for advertising for an amendment to the Sunny Day Ordinance and to have a Public Hearing if necessary. (All in favor.) “On the question”, Tom Lukasewicz said Jim Barnick had a good idea in borrowing from the Sunny Day Fund and that he liked the idea of putting the money right back in. Jim Barnick commented on making cuts in the 2008 budget. A discussion ensued.

- * Jim Barnick made a motion to send a request to Congressman Kanjorski to reallocate grant money funds that were given for sidewalks to sewers. (All in favor.) “On the question”, Tom Lukasewicz told Jim Barnick the motion was a good idea.

AUDIENCE COMMENTS ON NEW BUSINESS

- * Joe Tropiak asked about re-submission of a grant for work to be done on Phillip Street.

NOTES FROM THROOP BOROUGH COUNCIL
September 13, 2007
(Public Hearing on the Sunny Day Fund)

**NOTES FROM THROOP BOROUGH COUNCIL
PUBLIC HEARING ON THE SUNNY DAY FUND**

September 13, 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) - **absent**

Atty. Cimini explained that in order to borrow from the Sunny Day Fund, there would have to be an amendment to the Sunny Day Ordinance. He noted that the parameters would include: the vote of a super majority, repayment within the following year, and interest paid.

AUDIENCE COMMENTS:

- * Joe Tropiak asked if there was a maximum or minimum amount of money that had to remain in the Sunny Day Fund for it to be solvent. Atty. Cimini said he didn't think so.
- * Dominick Rocco said he thought it was a good idea to borrow from the Sunny Day Fund.

THE MOTION:

- * A motion was passed to have Atty. Cimini prepare an amendment to the Sunny Day Ordinance to allow the Borough to borrow from it and repay the money with interest. (All in favor.)

NOTES FROM THROOP BOROUGH COUNCIL
September 13, 2007 (Special Monthly Meeting)

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

September 13, 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) - **absent**

ANNOUNCEMENTS:

- * An Executive Session was held this evening following the 6:30 p.m. Public Hearing to discuss litigation.

AUDIENCE COMMENTS ON THE AGENDA:

There were no audience comments on the agenda.

THE MEETING:

- * A motion was passed, "To authorize Elaine Morrell to transfer minimal funds \$1.00 to \$5.00 to or from the General Fund to the special accounts such as, Liquid Fuels Account, Turnback Account, Tax Escrow Account, in order to keep the accounts active. Accounts that are inactive for 6 months will be charged a \$5.00 fee per month." (All in favor.) "On the question", Elaine Morrell stated that when the auditor was in, he said it was best to note any sort of transaction in the Liquid Fuels Account or the Turn Back Account by motion, even if it is a minor transaction.

MOTIONS NOT ON THE WRITTEN AGENDA:

- * A motion was passed, "To reimburse Corey Shevchick \$192.44 for damages caused to the tires on his vehicle caused by borough property that was in the road adjacent to the civic center." (All in favor.)

OFFICIAL COMMENTS:

- * Joe Barone noted that Lackawanna County Commissioner Cordaro was interested in holding a question and answer session in Throop.
- * John Musewicz and Tom Lukasewicz commented on plans for the Borough's 48 acres.
- * Mayor Lukowski asked about an Open House for the new DPW Facility.

AUDIENCE COMMENTS ON NEW BUSINESS:

- * Joe Arvay commented on safety problems in the area of Charles and Sanderson Streets and at the corner of Meade and Cypress Streets.
- * Bette Goreschak suggested that signs were needed to indicate Meade Street as being a hidden Street.
- * Joe Tropiak asked about re-submission of a grant for work to be done on Phillip Street.
- * Dave Morrell commented on several items at the Civic Center: 1) a new gym floor, 2) the need for games.
- * Mary Ruth Tanner, Civic Center Director, noted the upcoming activities at the Civic Center.

NOTES FROM THROOP BOROUGH COUNCIL
September 24, 2007 (Monthly Meeting)

**NOTES FROM THROOP BOROUGH COUNCIL
MONTHLY MEETING**

September 24, 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) – **absent**
Stanley Lukowski (Mayor)
Elaine Morrell (Chief Clerk/Treasurer)
Christina Sullivan (Secretary)
Lenore Dolan (Assistant Treasurer) - **absent**

NOTES FROM THE WORK SESSION JUST PRIOR TO THE MEETING:

- * Budget Work Session – Monday, October 15th at 6:30 pm
Mid-Month Special Work Session and Meeting - Thursday, October 18th beginning at 6:30 pm.

- * In response to a letter sent to Throop Borough by Advanced GeoServices (on behalf of Gould Electronics) regarding payment of engineering fees associated with the permit application review process for the Marjol Battery site Corrective Measures Implementation, Throop Borough Council stated that its preference would be to have Gould reimburse the Borough for the engineering bills as the Borough received them versus using an escrow account.

ANNOUNCEMENTS:

An Executive Session was held this evening for personnel reasons.

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 August 27th, September 6th, and September 13th 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 motion was passed, "To pay all the employees of Throop Borough." (Barnick abstained on voting for his daughter's pay; 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 thanked the Civic Center for sending a nice package to his son's unit in Iraq.
- * A motion was passed, "To accept Richard Mellow's proposals for a Heat Pump Air Handler in the amount of \$815.65 and labor, material for lights in the amount of \$215.00 for the new DPW break room and office." (All in favor.) "On the question", Jim Barnick asked that it be determined if this was supposed to be part of the contract (with Ganz, Inc.) or not.

MOTIONS NOT ON THE WRITTEN AGENDA:

- * A motion was passed, "To request a 30 day extension (until the end of October) for the DPW Summer Help. The letter will be sent to the Teamsters. (All in favor.)
- * A motion was passed to purchase a new plow through the Costar Program for the Borough's Peterbilt truck. (All in favor.) "On the Question", Jim Barnick suggested checking to see what the Borough could get for the old plow.

OFFICIAL COMMENTS:

- * Joe Barone commented on a sewer conveyance fee. Jim Barnick agreed with doing something about a sewer conveyance fee as well as a tap in fee.
- * Jim Barnick asked what the status was regarding responsibility for the additional change order for the Eddy Creek Project.
- * Elaine Morrell commented on sending a letter to the contractor who was awarded the bid for work on Oleckna Street.

AUDIENCE COMMENTS ON NEW BUSINESS

- * Dominick Rocco commended Officer Reed on his hard work.
- * Frank Horshaw from PA HomePage addressed Council regarding a banner ad for the Civic Center.