

Marjol Site Remediation Update

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Number 89

July 3, 2008

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IMPLEMENTATION OF THE FINAL REMEDY BEGAN MAY 12, 2008

On July 13, 2006, a new Administrative Order on Consent (RCRA 2006 Consent Order) signed by the USEPA, PADEP and Gould became effective regarding the implementation of Corrective Measures at the Marjol Battery Site. The RCRA 2006 Consent Order lays out the requirements for implementing the corrective measures in USEPA/PADEP's Final Remedy. The Final Remedy for the Site is a capping remedy. It is not expected that any contaminated material will be leaving the Site. SCE Environmental Group (SCE) from Dickson City, PA was selected by Gould and approved by USEPA/PADEP as the contractor to perform the construction of the Final Remedy. Construction activities began on May 12, 2008. Construction of the Final Remedy is expected to take 2 construction seasons (until November 2009).

The construction activities completed to date have primarily been site preparation activities. A summary of these completed activities can be found on page 2. A summary of current and upcoming construction activities can be found on Page 3. With the many construction activities occurring at the Site, residents living near the Site can expect to hear/see/smell many of the following:

- The sound of the saw and the chipping machine as well as the back-up alarms and the sound of the equipment running.
- The sound of the grinding machine while it is grinding the tree stumps.
- Occasional smell of diesel fumes from equipment during normal construction activities.
- Steam (may look like smoke) coming from the wood chip pile near the front of the Site as the wood chips compost.
- Changing scenery due to the number of trees that have to be removed in order to remove the contaminated soil.

ANNUAL BLOOD LEAD SCREENING PROGRAM

The annual blood lead screening program will be conducted again in July this year with both in-house testing (for those who live in the immediate vicinity of the Marjol site) and testing at the Throop Borough Civic Center.

In-house testing - July 14 from 6:30 pm to 8:30 pm. (If you did not send in your return letter, but would like testing done in your home, please call Lisa Ayers at 383-9313.)

Testing at the Throop Borough Civic Center - July 16 from 6:30 to 8:30 pm and July 19 from 1 to 3 pm.

Testing at Clinical Labs—you may take this newsletter or the In-house testing letter you received to the Clinical Laboratories (Lab Corp.) laboratory located at 901 Keystone Industrial Park in Throop during the hours of 7 am to 5 pm Monday through Friday or 8 am to 12 pm on Saturdays from July 14th through July 30th, 2008, to have the blood lead screening done there.

Anyone who is interested is invited to participate in the blood lead screening program. We especially hope to do the screening test for children living in Throop who are 12 years of age and under, and anyone who has previously been tested, but no one will be turned away.

We encourage everyone to log onto our web site at www.marjolicleanup.com for the most recent information regarding the Marjol site.

- *Provide us with your e-mail address and we will notify you whenever the web site is updated.*

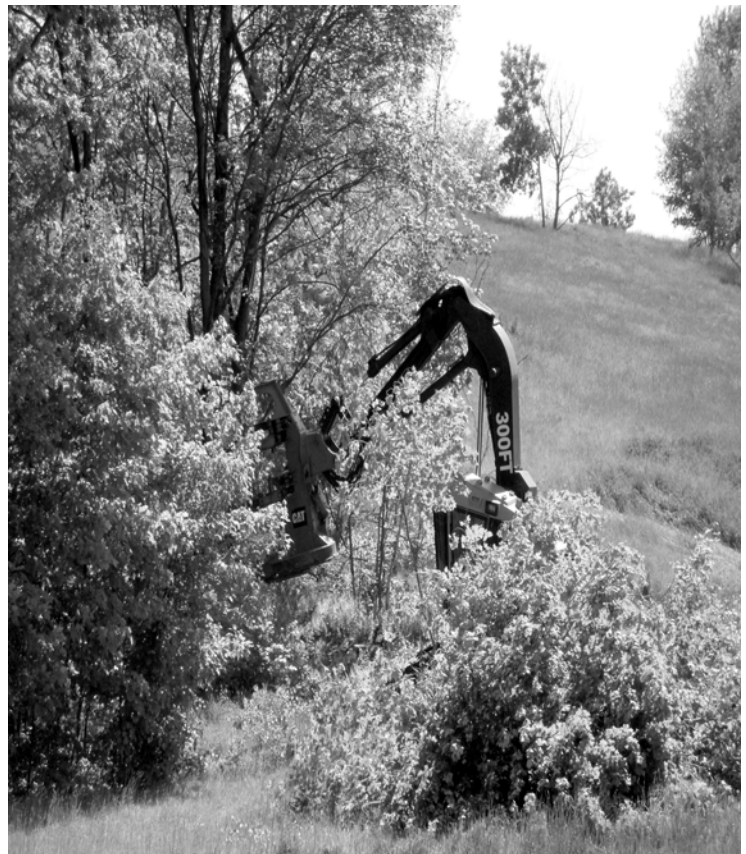
Long-Term Project Schedule & Remediation Activities

Last Updated: June 30, 2008

Activity	Start Date	Duration	Progress
2008 CONSTRUCTION SEASON			
Off-Site Verification Sampling (Pre-Construction)	5/5/08	1 week	Completed.
Site Preparation	5/12/08	Approximately 2 months	In progress.
New Basin Construction/Decommissioning of Old Basin	6/10/08	Approximately 6 weeks	In progress.
Containment Area Construction	6/2/08	Approximately 5 months	In progress.
North Woods Excavations, Confirmatory Sampling, and Backfilling	First Half of August 2008	Approximately 2 months	
Movement of Hi-Haz stockpile into Containment Area	Mid-July 2008	Approximately 3 weeks	
Excavation, Confirmatory Sampling, and Backfilling of On-Site Areas.	Second Half of July 2008	Approximately 4 months	
Winterization/ Winter Shut Down	11/05/08	Approximately 4 months	

SITE PREPARATION ACTIVITIES COMPLETED AS OF 6/26/08:

- Mobilization of additional office trailers and establishment of electrical and telephone hook-up to those trailers.
- Placement of steel plates over the sewer line on Delaware Street.
- Upgrading of existing vehicle decontamination pad.
- Installation of a Track Pad (stone area) at the Delaware Street entranceway.
- Construction of a temporary decontamination pad at bottom of basin haul road to decon vehicles before they enter the new basin and on-site fill borrow source areas.
- Construction of a diversion berm at the bottom of the basin haul road to keep stormwater runoff from the contaminated area out of the clean areas.
- Clean-out and demolition of the on-site drum storage area.
- Clearing and grubbing of trees, removal of topsoil, and construction of the trench that will anchor the berm of the new sedimentation basin to the existing soil in the new sedimentation basin area.
- Relocation of one of the high-volume air monitors to a location inside the fence line on Delaware Street.
- Installation of a new monitoring well.
- Installation of initial erosion control measures.
- Clearing of on-site fill borrow area.
- Installation of temporary chain link security fence along the Sulphur Creek and the Lackawanna River sides of the Site.



Clearing of Trees in Area of Old Sedimentation Basin

Note: A weekly schedule as well as a list of completed activities is posted on the Marjol web site, www.marjoldcleanup.com, on Friday afternoons. A photogallery has also been added to the web site.

CURRENT & UPCOMING CONSTRUCTION ACTIVITIES:

- Construction of a new stormwater management basin.
- Construction of a screening area and screening of on-site borrow fill material (to remove rocks).
- Continue excavation and backfilling of a trench that will anchor the berm of the cap to the existing soil (this excavation is in an area that is not contaminated).
- Hydrant removal and taking down of abandoned electrical poles.
- Removal of manhole and capping of sewer lines on-site.
- Perform abandonment activities for wells, mine subsidence borings, and lysimeters that will no longer be used.
- Install jersey (concrete) barriers around permanent wells and around the fire hydrant located along the Lackawanna River for protection.
- Clearing and grubbing in the area where the new haul road will be constructed going toward the North Ravine area.
- Clearing, grubbing, removal of topsoil, and construction of the south containment area berm (cap berm along the Sulphur Creek side of the Site).
- Clearing in the North Woods Area.
- Excavation of contaminated soil and waste material from outside of the Containment Area footprint, including the North Woods.
- Dewater and decommission the existing basin.
- Begin scoring/tracking of the vegetation in the existing basin so that new topsoil that is placed will bind with the existing soil.



Real-time Dust Monitor

DUST CONTROL AND AIR MONITORING

During construction activities, and in particular during soil disturbance activities, a "No Visible Dust" rule has been implemented. In order to be sure that construction activities are not impacting the air, air monitoring is being conducted to ensure that the surrounding community is protected. Three types of air monitoring is being conducted: site perimeter, real-time and personnel.

Site perimeter monitoring — ambient air monitoring for lead using the high-volume sampler method, which is what has been used over the past 20 years at the Site. This sampling determines if air lead is being emitted from the Site. Results with this type of monitoring are not immediate as the air collection filters have to be sent to a lab for analysis. As of June 16, 2008, all results have been well below the National Ambient Air Quality Lead Standard of 1.5 $\mu\text{g}/\text{m}^3$.

Real-time dust monitoring – determines if dust is migrating outside of the immediate work area so that additional dust control measures can be implemented before any dust can move off-site. This provides immediate information on the amount of dust (not just lead) being generated. As of June 30, 2008, no additional dust control measures have been necessary.

Personnel air monitoring— performed to determine if site workers are wearing appropriate personal protective equipment. Results are not immediate as air filter canisters have to be sent to the lab for analysis. As of June 10, 2008, all results have been below OSHA's Permissible Exposure Limit.

NOTE: Perimeter and real-time air data is being provided and updated on the Marjol web site as it is available. Please go to www.marjolicleanup.com for the most recent data.



Construction of the New Stormwater Management Basin

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Repository Location

Marjol Battery Site Repository

The repository is located at the Throop Borough Municipal Building, 436 Sanderson Street, Throop, PA and is open Monday through Friday 9 am to 4 pm.

Do you want to be added to our lists?

If you would like to be added to the Marjol Battery site newsletter mailing list or the website changes list, please contact Lisa Ayers via e-mail, telephone, or fax or you can submit your address information on our web site at <http://www.marjolcleanup.com>.

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