



CT ACHMM NEWSLETTER

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President's Message



Matthew J. Twerdy
CT ACHMM President

Greetings everyone! Hope you are all doing well.

We recently had another successful General Membership Meeting at the Arcadis offices, in Manchester, Connecticut on April 29th. Tina Berceli-Boyle, a Senior Engineer at Arcadis, presented the requirements under the recently promulgated EPA Mandatory Greenhouse Gas Reporting Rule. This rule requires the reporting of greenhouse gas emissions from large sources and suppliers in the United States, and is intended to collect accurate and timely emissions data to inform future policy decisions. Under the rule, suppliers of fossil fuels or industrial greenhouse gases, manufacturers of vehicles and engines, facilities that emit 25,000 metric tons or more per year of GHG emissions, and facilities that meet other criteria are required to submit annual reports to EPA. Ms. Berceli-Boyle focused on criteria that trigger mandatory reporting, and current

guidance for facilities that are required to report. Also, I have a couple quick regulatory updates, remember that beginning April 22, 2010, federal law requires that contractors performing renovation, repair and painting projects that disturb more than six square feet of paint in homes, child care facilities, and schools built before 1978 must be certified and trained to follow specific work practices to prevent lead contamination. Additionally, in Connecticut, the CBIA Environmental Policies Council reported in June that DEP staff recognized that implementing the new general permit for the discharge of stormwater from industrial activities, both with respect to the agency's responsibilities and those of the regulated community, cannot be accomplished by the Sept. 30, 2010 expiration date of the current general permit. Therefore, DEP staff is expected to recommend to the commissioner that the current general permit be extended by one year until September 30, 2011.

Finally, often overlooked in the rush of events is the fine work done by our CT ACHMM board, who keep the wheels of the "CT ACHMM bus" rolling. My continuing thanks to our board members for their efforts in carrying out the work of the CT ACHMM for our members.

Matt

Happy Summer!



Connecticut DEP GPLPE – Permit Reissuance

Title V Synthetic Minor Regulated Sites

Paul Simonetta, CHMM
Vice President
Triton Environmental, Inc.

The Connecticut DEP allows for sites with actual air emissions that are below major source thresholds to register for a general permit (General Permit to Limit the Potential to Emit (GPLPE)) under the Title V permitting program rather than requiring a full permit under the subject program. The current version of the GPLPE is set to expire in February 2011. The DEP has indicated that sites registered for the current version of the GPLPE will be required to re-register for the re-issued version of the permit in December 2010. A DEP work group has developed a May 7, 2010 draft of the re-issued version of the GPLPE.

Changes noted in several sections of the most recent draft of the GPLPE include, but are not limited to, the following:

- Increased registration fees (from \$5,000.00 to \$6,250.00);
- Definitions;
- Details required for registrations; and
- Recordkeeping requirements.

Remedial Work Plan Implementation Monitoring at UConn Landfill and Former Chemical Pits

Jim Pietrzak, P.E. CHMM,
University of Connecticut, Architectural and
Engineering Services

Wetland Mitigation

Monitoring was conducted at the UConn Landfill and Former Chemical Pits and prepared by Mason & Associates, Inc. during the second growing season (2009) following construction of mitigation associated with the University of Connecticut Landfill Closure Project #900748 at Storrs, Connecticut. The monitoring report follows the format and content requirements set forth in U.S. Army Corps of Engineers Regulatory Guidance Letter No. 08-03 dated October 10, 2008. (<http://landfillproject.uconn.edu/reports/>)

Permit / Regulatory References:

- U.S. Army Corps of Engineers (ACOE) Permit No. NAE 2004-661 (May 25, 2005)
- Connecticut Department of Environmental Protection (CTDEP):
- Inland Wetlands and Watercourses Permit No. IW-2003-112 (May 05, 2005)
- Section 401 Water Quality Certificate No. WQC-200302988 (May 05, 2005)
- Remediation Section Closure Plan Approval per Consent Order No. SRD 101 (November 22, 2004)

Wetland Monitoring Summary Conclusions

The monitoring report noted that the overall wetland mitigation program associated with the remediation of the landfill and former chemical pits appears to be on track for meeting project specific success standards. Specifically noted in the monitoring report are:

- Preliminary estimates suggest slightly less than 1:1 mitigation has been achieved so far, but additional measures are planned to address this shortfall.

....Former Chemical Pits continued from page 2

- Target wetland hydrology and soil conditions appear to have been met in almost all areas.
- Vegetation success standards have not been met in a number of locations due to various factors including deer browse, accidental introduction of clovers in some the mitigation areas, and the spread of cattail in other areas.
- Overall vegetative cover, species diversity, and abundance of volunteer species are generally favorable for wetland establishment and wildlife functional value.
- In 2009, mitigation sites showed improvement in overall vegetative cover and both the diversity and abundance of native wetland plants.
- Wildlife use of restored and created wetlands for food, cover, and reproduction has been demonstrated.
- The continued control of invasive plant species and efforts to foster the development of native woody species in the mitigation sites will be important to the long-term functional value of these wetlands for wildlife habitat.

Quarterly Progress Reports

The Remediation Division of the Bureau of Water Protection and Land Reuse reviewed a UConn letter titled "Discontinuation of Progress Reports, Consent Order #SRD 101, dated October 5, 2009. The letter was submitted pursuant to paragraph B.8 of Consent Order No. SRD- 101, issued on June 26, 1998. The letter requested permission to discontinue quarterly progress reports, because all design and construction activities related to the landfill are complete. The letter states that any pertinent updates will be provided in the Long Term Monitoring Plan reports, or under separate cover if necessary. The letter was approved by CTDEP.

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CHMM Travels

Our CHMM traveler went on a winter vacation to a warm destination on February 5. No correct guesses were received so another photographic clue is provided below

Send your guesses to Elsa at tpayne@snet.net. Please add: "CHMM photo contest" in the subject line so that it isn't mistaken it for spam.



YOU TOO CAN GET PUBLISHED IN THIS NEWSLETTER....

WRITE ABOUT A TRIP OR SPECIAL EVENT YOU ATTENDED

INTERVIEW A COLLEAGUE

CRITIQUE A PRODUCT

NEXT NEWSLETTER SUBMISSION DEADLINE FOR 2010 SEPTEMBER ISSUE:

AUGUST 20

SEND NEWSLETTER SUBMISSIONS TO ELSA PAYNE AT tpayne@snet.net



PARKING LOT C – UCONN LANDFILL CLOSURE
View South of Wetland Restoration and Creation
Areas, October 6, 2009



WETLAND CREATION AREA C1
View North November 20, 2009.

....Former Chemical Pits continued from page 3

Long-Term Monitoring Plan (LTMP): UConn and Haley & Aldrich submitted the LTMP Report for Round #10 (April and May 2009 sampling) in July 2009. Samples for Round #11 were collected in October 2009. In general, results of the analysis have been consistent with previous rounds of sampling.

The LTMP includes sampling of media at multiple locations includes:

- six surface water locations;
- five shallow groundwater monitoring wells;
- five deep bedrock monitoring wells;
- six active domestic wells on Meadowood Road and Separatist Road; and
- four soil gas monitoring locations.

Groundwater and surface water samples are being analyzed for the following parameters:

- VOCs by EPA Method 524.2
- Total metals by EPA Method 200 Series
- Total mercury by EPA Method 7470/E245.1

Other Inorganic Parameters:

- ammonia, nitrate and nitrite, total phosphorus, total dissolved solids, total suspended solids, alkalinity, hardness, chloride, sulfate, chemical oxygen demand, total organic carbon, biological oxygen demand and cyanide

Field Screening Data:

- turbidity, conductivity, dissolved oxygen, ORP, pH, and temperature

Soil Gas:

Soil gas monitoring points were analyzed for methane and carbon dioxide using a multiple gas detection meter