



STATE OF CONNECTICUT  
DEPARTMENT OF ENVIRONMENTAL PROTECTION



CONDITIONAL APPROVAL

January 11, 2005

Curt M. Richards  
Vice President  
Olin Corporation  
P.O. Box 248  
Charleston, TN 37310

RE: Supplemental Investigation Interim Report on Isolated Fill  
Non-Public Properties Study Area  
Hamden, Connecticut  
Consent Order No. SRD-128

Dear Mr. Richards:

The Remediation Section of the Department of Environmental Protection has reviewed the Report titled, "Supplemental Investigation Interim Report on Isolated Fill, Non-Public Properties Study Area, Hamden, Connecticut," dated November 2004, revised January 2005, prepared for Olin Corporation by Malcolm Pirnie, Inc. and received on January 5, 2004 (the "Report"). The Report was submitted pursuant to the Work Plan titled, "Supplemental Investigation Work Plan, Non-Public Properties Study Area, Hamden, Connecticut," revised January 2004, prepared for Olin Corporation by Malcolm Pirnie, Inc. and approved by the Department on April 23, 2004.

The Report presents the initial evaluation of the isolated fill investigation completed at the Non-Public Properties portion of the Newhall Street Neighborhood site and contains a proposal for supplemental investigation.

The Report is hereby approved with the following conditions:

1. Boring Locations. Additional borings must be advanced at the following locations: 271 Morse St. (north or west of garage), 304 Morse St. (debris reported), 468 Newhall St. (rear), 64 Marlboro St. (Shepard St. side), 207-209 Goodrich St. (rear), 211-213 Goodrich St., 10 North Sheffield St. (debris reported in rear yard), and 29 North Sheffield St. (ash reported in garden).
2. Rights-of-way borings. The Report proposes resampling boring locations 274-MS, 303-MS, and 304-MS to confirm the findings of previous investigators. If fill is identified in these borings, the fill samples must be submitted for laboratory analysis for all substances of concern identified at the site.

3. Analytical protocol for characterizing isolated fill. One sample of isolated fill from each affected property must be submitted for laboratory analysis for all substances of concern, not only total and SPLP arsenic and lead and PAHs as proposed in the Report. The Report does not contain sufficient justification for narrowing the list of substances of concern proposed for laboratory analysis.
  
4. Analytical protocol for native soil sample analysis. Regardless of whether an isolated fill area is characterized as containing waste fill or disturbed soil fill, the adjacent native soil sample with the highest XRF lead concentration must be submitted for laboratory analysis for all substances of concern as in the contiguous fill investigation, not only total and SPLP arsenic and lead and PAHs as proposed in the Report. The Report does not contain sufficient justification for narrowing the list of substances of concern proposed for laboratory analysis.

If the perimeter of any isolated fill area exceeds 300 feet, then native soil samples must be submitted for laboratory analysis for all substances of concern at a frequency of 1 sample per every 150 feet. Both XRF field screening results and spatial location should be used to help guide sample selection in this case.

Nothing in this approval shall affect the Commissioner's Authority to institute any proceeding, or take any other action to prevent or abate pollution, to recover costs and natural resource damages, and to impose penalties for violations of law including but not limited to violations of any permit issued by the Commissioner. If at any time the Commissioner determines that the approved actions have not fully characterized the extent and degree of pollution, the Commissioner may institute any proceeding, or take any action to require further investigation. This approval relates only to pollution or contamination identified in the above referenced Report.

In addition, nothing in this determination shall relieve any person of his or her obligations under applicable federal, state and local law.

No provision of this approval and no action or inaction by the Commissioner shall be construed to constitute an assurance by the Commissioner that the actions taken pursuant to this approval will result in compliance.

If you have any questions pertaining to this matter, please contact Shannon W. Pociu of my staff at (860) 424-3546.

Sincerely,



Elsie Patton  
Acting Director  
Planning and Standards Division  
Bureau of Waste Management

EP:SWP

cc: Raymond Horn, Olin  
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