

W.R. Grace (Acton Plant) Superfund site Acton & Concord, Massachusetts Community Update

November 2005



The United States Environmental Protection (EPA), with concurrence from the Massachusetts Department of Environmental Protection (MassDep), has determined the final clean up decision for the W.R. Grace (Acton Plant) Superfund site, located in the Towns of Acton and Concord, Massachusetts. EPA has outlined this clean up plan in a document called a Record of Decision (ROD).

This community update is to inform interested persons that the ROD is available for public viewing at the Acton Memorial Library located at 486 Main St. (Rte. 27) in Acton, at the USEPA Records Center located at One Congress Street in Boston and on-line at EPA's website:

<http://www.epa.gov/ne/superfund/sites/graceacton>

This clean-up plan is the third and final phase of the cleanup and is the result of the culmination of seven years of investigations by W.R. Grace under oversight and the supervision of EPA and MassDep. The ROD formerly codifies EPA's cleanup plan for groundwater and sediments, Operable Unit Three, at the W.R. Grace site. Included with the ROD is a Responsiveness Summary which is EPA's formal response to public comments taken during the public hearing and comment period.

The ROD for Operable Unit Three is described briefly below and requires:

- Cleanup of contaminated sediments and soils posing an unacceptable risk to human health and/or the environment in Sinking Pond and the North Lagoon Wetlands.
- Extraction and treatment of groundwater contamination in the Southeast & Southwest Landfill Areas and targeted area within the Northeast Area. Construction of an approximately 200 gallon per minute groundwater extraction and treatment system. Treatment processes for extracted groundwater will include air stripping, activated carbon (air treatment), and metals precipitation.
- Monitored natural attenuation of areas of groundwater contamination not captured by the extraction system.

- Institutional controls such as deed restrictions and/or local ordinances to prevent unacceptable exposure to contaminated groundwater until cleanup levels are met and to protect against unacceptable future exposures to any wastes left in place on-Site.
- Long-term groundwater, surface water, and sediment monitoring and periodic five-year reviews of the remedy.

EPA estimates the total cost of the selected cleanup plan will be approximately \$18 Million. The next step in the Superfund process is for EPA to begin discussions and enforcement negotiations with W.R. Grace for them to take the lead on the engineering designs and construction of the remedy. Implementation of the groundwater remedy will also require coordination with the Acton Water District regarding their current and future water supply wells in the area.

For more specific information about the Grace cleanup or technical information, contact either:

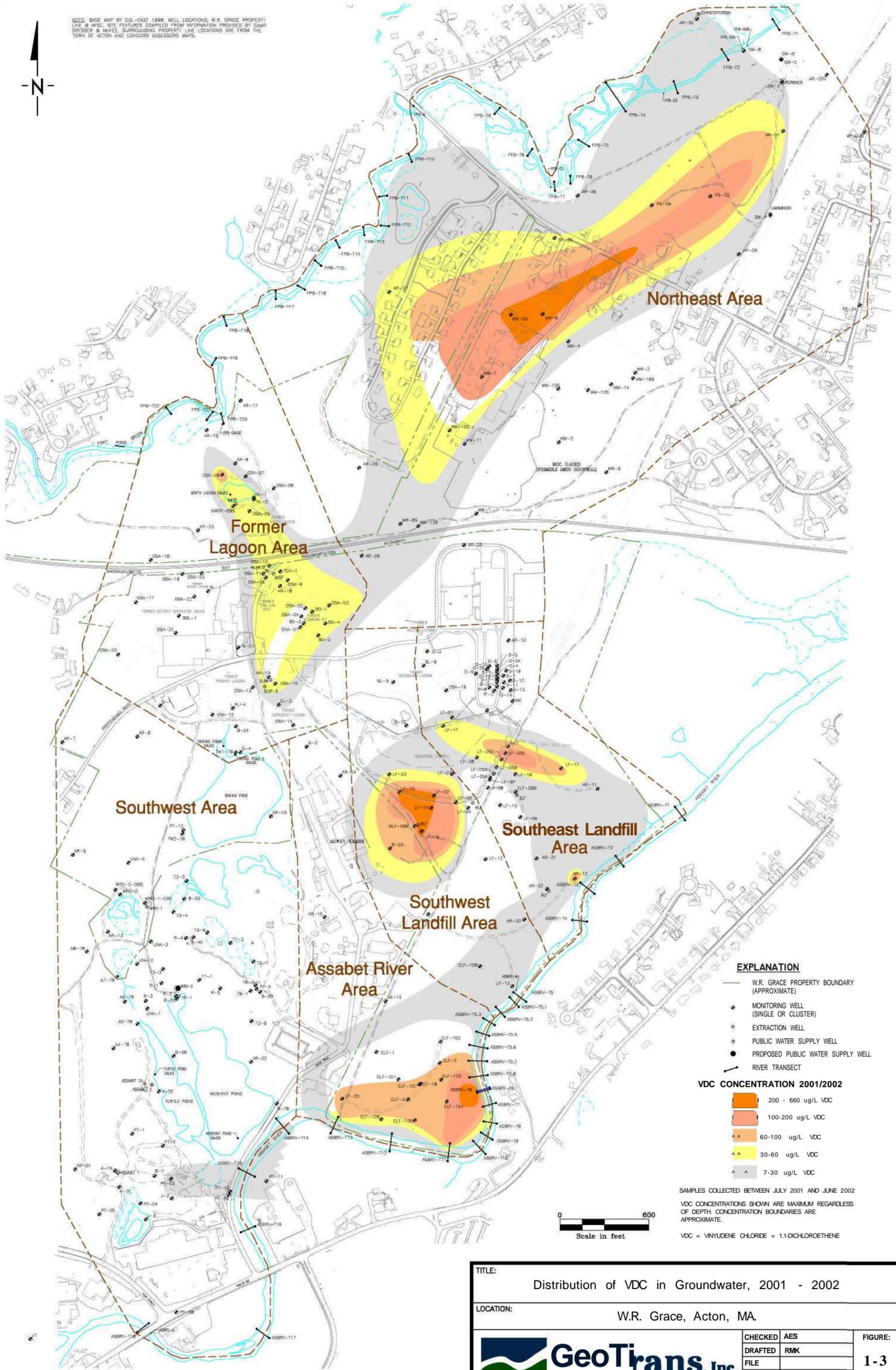
Derrick Golden
Remedial Project Manager
USEPA – New England
One Congress Street- mail code: HBO
Boston, MA 02114-2023

Phone 617-918-1448
email: golden.derrick@epa.gov

Sarah White,
Community Involvement Coordinator
USEPA – New England
One Congress Street- mail code: HBT
Boston, MA 02114-2023
Phone 617-918-1026
email: white.sarah@epa.gov

Dan Keefe
Project Manager
Massachusetts Department of Environmental Protection
One Winter Street
Boston, MA 02108
Phone 617-292-5940
e-mail: daniel.keefe@state.ma.us

NOTE: BASE MAP BY COL-EAST 1998. WELL LOCATIONS, W.R. GRACE PROPERTY LINE & MISC. SITE FEATURES OBTAINED FROM INFORMATION PROVIDED BY CAMP DRESSER & MCKEE. SURROUNDING PROPERTY LINE LOCATIONS ARE FROM THE TOWN OF ACTON AND CONCORD ASSESSORS MAPS.



EXPLANATION

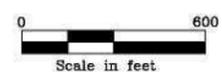
- W.R. GRACE PROPERTY BOUNDARY (APPROXIMATE)
- MONITORING WELL (SINGLE OR CLUSTER)
- ⊙ EXTRACTION WELL
- ⊙ PUBLIC WATER SUPPLY WELL
- PROPOSED PUBLIC WATER SUPPLY WELL
- RIVER TRANSECT

VDC CONCENTRATION 2001/2002

- 200 - 660 ug/L VDC
- 100-200 ug/L VDC
- 60-100 ug/L VDC
- 30-60 ug/L VDC
- 7-30 ug/L VDC

SAMPLES COLLECTED BETWEEN JULY 2001 AND JUNE 2002
 VDC CONCENTRATIONS SHOWN ARE MAXIMUM REGARDLESS OF DEPTH. CONCENTRATION BOUNDARIES ARE APPROXIMATE.

VDC = VINYLENE CHLORIDE = 1,1-DICHLOROETHENE



TITLE:		Distribution of VDC in Groundwater, 2001 - 2002		
LOCATION:		W.R. Grace, Acton, MA.		
	CHECKED	AES	FIGURE:	
	DRAFTED	RMK		1-3
	FILE			
	DATE	July 2005		