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FIVE-YEAR REVIEW REPORT

**First Five-Year Review Report
for the Barkhamsted-New Hartford Landfill
Barkhamsted-New Hartford, Connecticut**

September 2003

Prepared By:

**United States Environmental Protection Agency
Region 1
Boston, Massachusetts**

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9/22/03
Date

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LIST OF ACRONYMS AND ABBREVIATIONS

ARARs	Applicable or Relevant and Appropriate Requirements
bgs	Below ground surface
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CFR	Code of Federal Regulations
COCs	Contaminants of Concern
COPC	Contaminants of Potential Concern
CTDEP	Connecticut Department of Environmental Protection
EPA	United States Environmental Protection Agency
ELUR	Environmental Land Use Restriction
FS	Feasibility Study
FSP	Field Sampling Plan
MCLs	Maximum Contaminant Levels
MCLG	Maximum Contaminant Level Goals
MDL	Method Detection Limit
MNA	Monitored Natural Attenuation
NPL	National Priorities List
NTCRA	Non-Time Critical Removal Action
OHM	Oil and/or Hazardous Material
OMM	Operations and Maintenance Manual
OU	Operable Unit
ppm	Parts per million
ppb	Parts per billion
POTW	Publicly Owned Treatment Works
PRP	Potentially Responsible Party
PQL	Practical Quantitation Limit
PSD	Performing Settling Defendant
QAPP	Quality Assurance Project Plan
RA	Remedial Action
RAO	Response Action Objectives
RAP	Remedial Action Plan
RCRA	Resource Conservation and Recovery Act
RI	Remedial Investigation
ROD	Record of Decision
SVOCs	Semivolatile organic compounds
VOCs	Volatile Organic Compounds

EXECUTIVE SUMMARY

The remedy selected to address contamination at the Barkhamsted-New Hartford Landfill site (hereinafter referred to as the 'Site'), located in the town of Barkhamsted, Litchfield County, Connecticut was Monitored Natural Attenuation (MNA) of Site groundwater (deemed as the only medium requiring further remediation). This landfill was capped as part of a Non-Time Critical Removal Action (NTCRA) lead by the Connecticut Department of Environmental Protection (CTDEP) to address source materials and principal-threat wastes. The CTDEP approved the landfill closure in January 1998. The Record of Decision (ROD) indicating that MNA was the selected remedy was approved on September 28, 2001 (EPA, 2001b) incorporated the landfill cap into the final remedy. Quarterly sampling of groundwater monitoring wells at the landfill to meet CTDEP requirements has been ongoing. Quarterly sampling of groundwater monitoring wells at the landfill pursuant to the ROD began in April and May of 2003. The trigger for this five-year review was the Record of Decision in 2001, however since the NTCRA (1998) left waste in place, this five-year review was conducted at this time under EPA's discretionary authority.

The assessment of the five-year review found that the remedy is functioning as designed. The immediate threats to human health and the environment have been addressed by capping the landfill. The selected groundwater remedy is MNA. Once the groundwater cleanup goals have been achieved, in approximately 16 years (see O'Brien & Gere Engineers, Inc. 2001a), the groundwater remedy will be protective of human health and the environment. In the interim, exposure pathways that could result in unacceptable risks are being controlled. Environmental Land Use Restrictions (ELURs), which prohibit the installation of drinking water wells, have been placed on the main facility property.

FIVE-YEAR REVIEW SUMMARY FORM

SITE IDENTIFICATION			
Site Name: Barkhamsted-New Hartford Landfill			
EPA CERCLIS ID: CTD980732333			
Region 1	State: CT	City/County: Barkhamsted, CT	
SITE STATUS			
NPL Status:	☒ Final	☐ Deleted	☐ Other (Specify)
Remediation Status (choose all that apply): ☐ Under Construction ☒ Operating ☐ Complete			
Multiple OUs?	☐ Yes	☒ No	Construction Complete Date: 9/28/01
Has site been put into reuse?	☐ Yes	☒ No	
REVIEW STATUS			
Lead Agency:	☒ EPA	☐ State	☐ Tribe ☐ Other Federal Agency
Authors Names: Byron Mah, Alan Walker, Eric Nichols, Tracey Costa			
Authors' Titles/Affiliation: Byron Mah, RPM, EPA Allen R. Walker, P.E., LSP-Senior Engineer/Project Manager, LFR Eric Nichols, Vice-President, LFR Tracey A. Costa, CHMM -Senior Staff Scientist, LFR			
Review Period: 1/5/98-9/17/03			
Date(s) of Site Inspection: April 29-May 8, 2003, June 24, 2003			
Type of Review:			
☒ Post-SARA	☐ Pre-SARA	☐ NPL-Removal Only	
☐ Non-NPL Remedial	☐ NPL State/Tribe Lead	☒ Regional Discretion	
Action Site			
Review Number:	☒ 1 (first)	☐ 2 (second)	☐ 3 (third) ☐ Other (specify)
Triggering Action:			
☒ Actual RA Onsite Construction at OU# 1 (NTCRA) and ROD		Actual RA Start at OU # _____	
☐ Construction Completion		Previous Five-Year Review Report	
Triggering Action date (from WasteLAN): 9/28/01			
Due Date: 9/28/06			

FIVE-YEAR REVIEW SUMMARY FORM (CONT'D)

Issues:

The following issues arose during recent groundwater sampling activities conducted in April and May 2003:

- The discovery of four 55-gallon drums at well MW-111. Two of the drums were rusted and empty. The other two drums contained approximately 2 to 20 gallons of groundwater purge water based on the labeling of the drums. No visual or olfactory evidence of oil and/or hazardous materials (OHM) was encountered within or in the area surrounding the drums. Samples were collected from each drum and analyzed for Volatile Organic Compounds (VOCs) and metals. CTDEP was present during sampling activities. The sample results were consistent with purge water and the drums were removed with the water discharged to the landfill leachate holding tank for later disposal.
- Three groundwater-monitoring wells were deemed as inaccessible and could not be sampled. Inaccessibility was attributed to the following:
 - MW-113I: The well casing was damaged (bent) and would not allow for insertion of the sampling pump.
 - MW-113D: A submersible pump and associated cable (used for previous sampling) were abandoned in the well and could not be removed.
 - MW-4R: An unknown obstruction present at an approximate depth of 12 feet below ground surface (bgs).

Recommendations and Follow-Up Actions:

- Continued monitoring of Site groundwater, potential leachate seeps, soil, surface water and sediment, as required.
- Continue to verify that natural attenuation is occurring.
- Adoption of environmental land use restriction (ELUR) for the properties other than the RRDD#1 facility.
- Continued maintenance of the existing landfill cap cover.
- Repair of damaged wells MW-113I, MW-113D, and MW-4R do not appear necessary at this time, but the potential need for these wells will be evaluated further with new data.
- To more clearly define the extent of the Contaminants of Concern (COCs), EPA recommends that existing additional wells be sampled in future sampling events. The proposed wells to be sampled include wells MW-105S and B, MW-108S and B, MW-109B, MW-117S and B, and MW-118S and B.

FIVE-YEAR REVIEW SUMMARY FORM (CONT'D)

Protectiveness Statement:

The assessment of the five-year review found that the remedy is functioning as designed. The immediate threats have been addressed through the construction, operation, and maintenance of the landfill capping. The groundwater remedy (MNA) is currently protective of human health and the environment as the plume is not expanding, impacting drinking water wells, and people are not drinking the impacted groundwater. In addition, CTDEP has signed the ELURs on the RRDD #1 property and is in the process of signing the other areas impacted by Site related contaminants. ELURs are institutional controls, which prohibit the installation of drinking water wells.

1.0 INTRODUCTION

The purpose of this five-year review is to determine whether the remedy for the Barkhamsted-New Hartford Landfill Superfund Site (Site) is protective of human health and the environment. The methods, findings and conclusions of this review are documented in this first five-year review report. In addition, this report identifies issues encountered during preparation of this five-year review, along with recommendations to address such issues.

The United States Environmental Protection Agency (EPA) must implement five-year reviews pursuant to the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) Section 121 and the National Contingency Plan (NCP). CERCLA Section 121(c) states:

If the President selects a remedial action that results in any hazardous substances, pollutants or contaminants remaining at the Site, the President shall review such remedial action no less often than each five years after the initiation of such remedial action to assure that human health and the environment are being protected by the remedial action being implemented. In addition, if upon such review it is the judgement of the President that action is appropriate at such Site in accordance with section 9604 [104] or 9606 [106], the President shall take or require such action. The President shall report to the Congress a list of facilities for which such review is required, the results of all such reviews, and any actions taken as a result of such reviews.

The Agency reported this requirement further in the NCP; part 300.430(f)(4)(ii) of the Code of Federal Regulations (CFR) states:

If a remedial action is selected that results in hazardous substances, pollutants, or contaminants remaining at the Site above levels that allow for unlimited use and unrestricted exposure, the lead agency shall review such action no less often than every five years after the initiation of the selected remedial action.

This is the first five-year review for the Site. The trigger for this five-year review was the Record of Decision in 2001, however, since the Non Time Critical Removal Action (NTCRA) (1998) left waste in place, this five-year review was conducted at this time under EPA's discretionary authority. The five-year review (statutory) is required due to the fact that hazardous substances, pollutants, or contaminants remaining at the Site are above levels that allow for unlimited use and unrestricted exposure. This five-year review has been prepared following guidance provided by EPA (2001a). The EPA Region 1, conducted the five-year review of the remedy implemented at the Site. This review was

conducted by the Remedial Project Manager (RPM) for the entire Site from May 1, 2003 to August 28, 2003. This report documents the results of the review.

The selected remedial action to reduce impact of designated COCs to groundwater (deemed as the only medium requiring remediation) is Monitored Natural Attenuation (MNA) of Site groundwater. LFR Levine-Fricke (LFR) was selected as the contractor on behalf of the Potentially Responsible Party (PRP) in February 2003. LFR conducted the initial quarterly groundwater-sampling event, pursuant to the ROD, in April and May 2003 program.

2.0 SITE CHRONOLOGY

The chronology of the Site, including significant events and dates is addressed in Table 1, all of which occurred at one operating unit (OU).

TABLE 1: CHRONOLOGY OF SITE EVENTS

Date (Month/year)	Environmental Issue/Event/milestone
September 1970	Regional Refuse Disposal District No. 1 (RRDD#1) was formed.
September 1972	RRDD#1 received CTDEP soil waste permit #005-2L. The RRDD#1 purchased the Barkhamsted property from the Town of Barkhamsted.
1970's	Operation of chemical pit that received oily sludge with metal grindings and degreasers.
January 1974	Modification to the RRDD# 1 solid waste permit was issued.
April 1974	The landfill became operational.
1974-1979	CTDEP solid waste reports document lack of daily cover material; additional issues include ponding of water on landfill surface and encroachment of brush and bulky waste onto 50-foot buffer zone.
April 1974- August 1988	Barkhamsted landfill Site was used for the disposal of solid waste.
1980	CTDEP inspection of the Site.
1981	EPA conducted a preliminary assessment for the Site.
March 1981	CTDEP requests RRDD#1 to remove hazardous waste from the facility.
July 1981	CTDEP formerly approved disposal of metal grinding waste at Site.
1983	Two complaints received concerning the presence of a large number of drums; CTDEP requests that 25 drums containing suspect motor oil be re-located to a paved area on-Site.
November 1983	Thirty drums discovered near the scrap metal area (north of toe of landfill and NW of garage).
December 16, 1983	A modification to the landfill operating permit was issued.

1984	Requirement for a new metals grindings cell. Metal grindings were stored on Site in 55-gallon drums.
September 1986	CTDEP acknowledges handling of waste oil and batteries for recycling.
March-1987	NUS Corporation conducts Site inspection, on behalf of EPA -Site receives hazard ranking score (HRS) of 52.00, later lowered to 38.05, due to low population density and fact that area served by public water supply.
November - December 1988	Solid waste was disposed at the Site because Connecticut Resources Recovery Authority's (CRRRA) mid-Connecticut "Waste to Energy" Plant was inoperable.
August 1988 - October 1993	Disposal of bulky and non-processible waste only.
1988	CTDEP document states that one half of the barrels received at the Site contained unspecified amounts of chlorinated hydrocarbons or methyl ethyl ketone.
October 5, 1989	Barkhamsted Site listed on NPL.
February 1990	Minor amendment was granted to the RRDD#1 solid waste permit allowing landfill to accept dewatered sludge from Winsted's publicly owned treatment works (POTW).
1990	CTDEP Administrative order to investigate waste materials; determine extent of impact and potential impact to soil, surface water and groundwater.
October 4, 1991	CERCLA Administrative Order to Conduct Remedial Investigation/Feasibility Study (RI/FS) (Docket No. I-91-1128).
Dec 1991-Jan 1992	Limited Field Investigation (LFI) conducted by O'Brien & Gere Engineers, Inc.
December 1991	Scope of Study completed by Fuss & O'Neill per CTDEP Administrative Order No. 666.
November 1992	Landfill closure implemented. CTDEP revise permit # SW-0005-2L to address water quality monitoring plan.
October 1993	Facility ceases acceptance of waste for on-Site disposal.
April 1994	Engineering Evaluation/Cost Analysis (EE/CA) addressing NTCRA completed.
September 26, 1994	EPA enters into enforcement agreement with CTDEP; CTDEP enter into Consent Order with RRDD#1 requiring RRDD#1 to design and implement NTCRA.
October 1994	Landfill cover (2-ft thick) installed.
January 1995	CTDEP approves landfill closure.
February 1996	Remedial Investigation (RI) by O'Brien & Gere Engineers, Inc. (1996).
September 1996	Draft Remedial Action Plan (RAP).
1998	NTCRA completed; implementation of leachate collection system; capping of landfill and Site restoration.

June 2001	Feasibility Study Report, O'Brien & Gere Engineers, Inc. (2001a).
September 28, 2001	EPA Record of Decision (ROD) (EPA, 2001b), and Preliminary Close-Out Report.
November 19, 2002	ELUR public notice; 30-day comment period from 11/19/02 to 12/19/02.
April 30 - May 8, 2003	Sampling of Site groundwater monitoring wells and residential potable water wells.
May 8, 2003	Consent Decree Entered and Signed by US District Court for the District of Connecticut
June 2003	Surface water and sediment sampling. Landfill Cap Inspection.

3.0 BACKGROUND

3.1 Physical Characteristics

The Site is comprised of a 97.8-acre parcel of land located on the northern slope of a hill within the Farmington River Valley, in the north central portion of Connecticut. The Site is a semi-active waste disposal area located in the Towns of Barkhamsted and New Hartford, Litchfield County, Connecticut (a Site Location Map is provide as Figure 1). The capped landfill itself is approximately 13 acres. The Site is abutted to northeast by the Barkhamsted Town Garage facility and in other directions by both developed and undeveloped private properties. This includes residential properties to the east and southeast that use private wells for potable water. The town center of New Hartford lies within a one-mile radius to the south-southeast of the Site. Other areas of the Site property include an active transfer station, recycling area, maintenance and office building, and dense woods comprised primarily of hardwood and conifer trees. A Site Location Map is provided as Figure 1.

3.2 Land and Resource Use

The Site was formerly used as a solid waste landfill with a chemical pit that received oily sludge with metal grindings and degreasers. Waste oil and batteries were handled for recycling. A NTCRA was initiated in 1992 to cap the landfill, which stopped accepting waste for on-Site disposal in October 1993. In January 1998, the CTDEP approved the landfill closure.

The current use of the Site includes an active waste transfer station, recycling area, with a maintenance and office building. The capped landfill is fenced. The current use for the surrounding area is residential, commercial and recreational. The Metropolitan District Commission (MDC) owns undeveloped land along the Farmington River, which is used for recreational purposes, including fishing, swimming and boating.

One surface water body, designated as the "Un-named Brook", originates south of the Site and flows along the western portion of the landfill area. Beyond the landfill, the brook proceeds to the northeast and flows under Route 44, where it enters the Farmington River floodplain and a series of small beaver ponds. The brook eventually flows into the Farmington River, located approximately 0.25 miles southeast of the Site. The Farmington River is a Class B River for recreational fishing and boating.

The groundwater aquifer underlying the Site is currently not used as a drinking water source, but nearby commercial and residential areas use on-Site wells for potable water. Groundwater at the Site is estimated to flow to the northeast. Downgradient of the Site, groundwater flow is more easterly toward the Farmington River. Groundwater contour maps for April 30, 2003 for the overburden and shallow bedrock are included as Figures 2 and 3, respectively.

3.3 History of Contamination

The Barkhamsted landfill was used for the disposal of solid waste between April 1974 and August 1988. The property is owned and operated by the Regional Refuse Disposal District #1 (RRDD#1). RRDD#1 is a corporate entity that was established on May 25, 1970 upon the adoption of its charter by the Towns of Barkhamsted, Colebrook, New Hartford and Winchester. On September 21, 1972, RRDD#1 received a permit from the State of CTDEP approving the establishment of a solid waste disposal area. The Site began operating as a landfill in 1974.

After August 1988, the landfill was utilized only for the disposal of bulky and non-processible waste with the exception of a period during November and December 1988 when the Connecticut Resources Recovery Authority (CRRRA) Mid-Connecticut Waste to Energy Plant was inoperable. In 1998, a landfill cap and leachate collection system, surrounded by a fence, were constructed pursuant to a NTCRA under State authority. Table 1 provides a chronology of major environmental issues, events and milestones at the Site, as documented in the Remedial Investigation (RI) report (O'Brien & Gere Engineers, Inc., 1996) and Feasibility Study (FS) report (O'Brien & Gere Engineers, Inc., 2001a).

Historical wastes accepted at the landfill included the following:

- Municipal solid waste;
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- Industrial wastes, including metal grinding waste, oily sludge with metal grinding and degreasers; barrels containing unspecified amounts of chlorinated hydrocarbons and methyl-ethyl-ketone (MEK) and keratin; and
- Dry metal grinding waste.

3.4 Initial Response

In 1981, EPA conducted a Site inspection, based on previous findings of the CTDEP. EPA's 1981 inspection included collection and analysis of Site groundwater samples. Laboratory analytical results of Site groundwater indicated concentrations of xylenes, toluene, 1,1-dichloroethane (1,1-DCA), 4-methyl-2-pentanone and vinyl chloride (VC). EPA inspection report also indicated the presence of metals at the Site (including cadmium, chromium, copper, lead, manganese, nickel and zinc) attributed to the historical disposal of oily metal grinding sludges. Additionally, during EPA's inspection, leachate was observed to be discharging from the landfill into the Un-named Brook. Pursuant to Section 105(8)(b) of CERCLA, the Site was proposed for inclusion on the National Priorities List (NPL) on June 21, 1988 and was subsequently listed on the NPL on October 5, 1989. Administrative orders were issued by CTDEP (1990) and EPA (1991) to investigate waste materials and disposal activities on the Site, along with the extent of impact to soil, groundwater and surface water.

In 1994, a NTCRA was implemented at the Site, which included re-location of impacted soil and sediment to a paved portion of the Site, along with installation of a leachate collection system and landfill cap. The NTCRA was completed in 1998. A risk assessment was prepared prior to NTCRA implementation to assess post-NTCRA risks to human and ecological receptors. Groundwater was deemed as the only medium requiring additional remediation.

Subsurface investigations conducted from 1992 to 2000 are documented in the RI and FS reports. These investigations indicated the following:

- Soil sampling analytical results indicated concentrations of volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), pesticides and polychlorinated biphenyls (PCBs). Table 1-1 of the FS Report (O'Brien & Gere Engineers, Inc., 2001a) identifies contaminants of potential concern (COPCs), including VOCs, SVOCs and inorganics. Soils containing constituents detected at concentrations exceeding applicable or relevant and appropriate criteria were addressed in the NTCRA.
 - Surface water sampling and leachate seep sediment sampling results indicated concentrations of SVOCs, pesticides and PCBs. Sediment samples collected from
-

hydrogeologically downgradient locations (to the landfill) and leachate seep sediment samples indicated concentrations of VOCs, SVOCs, metals, pesticides and PCBs.

Prior to the RI, 31 groundwater-monitoring wells were installed at the Site. Twenty-two additional wells were installed during the RI. COCs based on groundwater investigations include 14 VOCs, 4 SVOCs and 4 inorganics. Groundwater sampling conducted since the RI have shown a decreasing trend in most contaminant concentrations, with the exception of toluene, which has increased in concentrations at two wells.

3.5 Basis for Taking Action

Hazardous substances, in concentrations above health-based levels, were identified during the RI/FS. The RI identified COCs that have been released at the Site in each media, which are identified below and also in Table 2. EPA completed a baseline human health risk assessment in February 1996 and updated it in April 2000. Using EPA's risk assessment guidance, potential human health effects associated with exposure to COCs were estimated for various exposure scenarios. Calculated risks for some exposure scenarios fell outside EPA's acceptable range, which formed the basis for the response actions. An ecological risk assessment conducted within the same time period determined that it was not likely that the contaminants found at the Site would cause significant ecological impacts.

The COCs were selected from the constituents detected in groundwater based on the unacceptable risks that these contaminants present. Groundwater was the only medium that poses an unacceptable post-NCTRA risk to human health. Since COCs have migrated in overburden and bedrock groundwater, off-Site impacts are a concern, specifically to nearby potable water supplies. As documented in EPA's Record of Decision (ROD) (EPA, 2001b), the primary objective is restoration of Site groundwater by MNA, which has been designated as the final Site environmental remedy with an expected duration of approximately 16 years. Installation of additional groundwater monitoring wells may be required to fill in data gaps and assess the performance of the MNA. Prior to such well installation, data from temporary sampling locations may be collected at the Site to properly locate new wells.

The only medium that potentially poses an unacceptable post-NTCRA risk to the environment is sediment. Although the actual risk is uncertain, it is likely that decreased leachate, biodegradation of organic contaminants, and natural sedimentation will ameliorate these possible risks. Surface water and sediment sampling is to be conducted to assess this potential risk. Based on surface water sampling conducted in 2000 (subsequent to the NTCRA), there are no known constituents exceeding applicable criteria in surface water, as identified in the ecological risk assessment presented in the FS. Leachate seeps are expected to gradually diminish in discharge volume over time or dry up.

COCs for groundwater, as addressed in the ROD, include the following:

Acetone	
Benzene	Toluene
1,2-dichloroethane	2-Butanone (MEK)
1,2-dichloropropane	4-methyl-2-pentanone
Chloroethane	1,4-dichlorobenzene
Chloroform	Bis(2-ethyl hexyl) phthalate
Chloromethane	2,4-dimethylphenol
Dibromochloromethane	4-methylphenol
Methylene chloride	Arsenic
Trichloroethene (TCE)	Chromium (total)
Vinyl chloride (VC)	Lead
Manganese	Acetone

A complete list of the COC and other compounds analyzed is included in Table 2.

4.0 REMEDIAL ACTIONS

The following discusses initial plans, implementation history and current status of the remedy.

4.1 Remedy Selection and Remedial Action Objectives

The ROD for the Site was signed on September 28, 2001 (EPA, 2001b). MNA is the selected remedial option to reduce groundwater impacts at the Site. Remedial action objectives (RAOs) were developed to aid in the development and screening of alternatives. These RAOs were developed to mitigate and prevent existing and future potential threats to human health and the environment. The RAOs for the selected remedy for the Site are broken into two categories: groundwater and sediment.

Groundwater

The RAOs for groundwater for human health are as follows:

- Prevent ingestion or dermal contact with groundwater having constituent concentrations exceeding EPA Safe Drinking Water Act Maximum Contaminant Levels (MCLs), or in their absence, the more stringent of an excess cancer risk of 1×10^{-6} for each substance or a hazard quotient of 1 for each non-carcinogenic substance.
-

- Restore groundwater beyond the compliance boundary (limits of the landfill) to MCLs or any more stringent CT Remediation Standards (background concentrations), or in their absence, the more stringent of an excess cancer risk of 1×10^{-6} for each substance or a hazard quotient of 1 for each non-carcinogenic substance.

Sediment

The RAOs for sediment for environmental protection are as follows:

- Protect benthic invertebrates and mammals ingesting contaminated prey from direct contact with, or ingestion of, sediment having constituent concentrations exceeding a hazard index of 1.
- Prevent releases of constituents from sediments that would result in surface water levels exceeding federal Ambient Water Quality Criteria, Connecticut Water Quality Standards, or in their absence, a hazard index of 1.

4.1.1 Source Control

The source control was addressed by the NTCRA, which included re-location of impacted soil and sediment to a paved portion of the Site, along with installation of a leachate collection system and landfill cap. During the performance of the NTCRA, an approximate 340-foot reach of the Un-named Brook was relocated on the west side of the landfill, with the former section of the brook being covered with soil. Moreover, sediments were excavated from an approximately 70-foot reach of the brook and placed beneath the cap during the NTCRA construction. The EPA has determined that the landfill cap controls contaminant sources and that no additional actions beyond operation and maintenance of the cap are anticipated during implementation of the final cleanup remedy (MNA, institutional controls).

4.1.2 Management of Migration

The major components of the management of migration remedy selected in the ROD includes:

- Long-term monitoring of groundwater, surface water (including seeps), and sediment;
 - Restoration of contaminated groundwater via natural attenuation;
 - Environmental land use restrictions (ELURs) (Institutional Controls);
 - Public education program; and
-

- Five-year reviews.

4.2 Remedy Implementation

In 1992 landfill closure was implemented in accordance with the Landfill Closure Plan (Fuss & O'Neill, 1992). In January 1995 the CTDEP approves the landfill closure. In April 1997, the Remedial Action Plan for the NCTRA was prepared, which included (O'Brien & Gere Engineers, Inc., 1997):

- Relocation of impacted soil, sediment and refuse to within the limits of the area to be capped;
- Installation of a leachate collection system, with a 15,000-gallon underground leachate holding tank;
- Capping of the landfill with a low-permeability capping system;
- Relocation of the Un-named Brook;
- Vertical extension of groundwater monitoring wells located within the limits of the capped area and abandonment of monitoring wells no longer being used;
- Site restoration;
- Installation of perimeter security fencing;
- Institutional controls for protection of the landfill cap.

In January 1998 the NTCRA was completed. Since then, community involvement activities were conducted. In June 2001 the Feasibility Study (FS) was completed (O'Brien & Gere Engineers, Inc., 2001a). On September 28, 2001, the ROD was signed, which selected MNA as the remedy (EPA, 2001b). A Consent Decree was signed by the PRPs on various dates between September and November 2002 and by government representatives between September 2002 and January 2003, which was entered by the court on May 8, 2003 (United States v. Regional Refuse District No. 1, et al., 2003).

Pursuant to the terms of the Consent Decree, RRDD#1 is performing the RA. In the spring of 2003, RRDD#1 initiated the long-term monitoring of groundwater. Periodic monitoring data continues to be collected in support of restoration of contaminated groundwater via monitored natural attenuation.

MNA remedy provides for both source control and management of groundwater migration. The approximate clean up time frames for the selected remedy is 16 years to reach groundwater cleanup levels. Statutory 5-year reviews will be conducted as long as waste is in place.

4.3 System Operations/Operation and Maintenance (O&M)

RRDD# 1 is conducting the long-term monitoring and maintenance activities at the Site. There are two components to the long-term monitoring and maintenance activities: a.) Source Control, b.) Monitored Natural Attenuation of Groundwater. For the source control, a landfill post-closure Operation and Maintenance Manual (OMM) was completed in October 2001 (O'Brien & Gere Engineers, Inc., 2001b). O&M activities include the following:

- Routine inspection and maintenance of constructed features, including the landfill cap, gas venting system, leachate collection and storage system, surface water runoff facilities, the in-stream sedimentation basin, access roads, groundwater monitoring system and physical Site security;
- Mowing of the cap;
- Performance of a Long-term monitoring program including groundwater, surface water (including seeps) and sediment;
- Response to alarm and unforeseen circumstances;
- Coordination of leachate removal and disposal; and
- Evaluation of O&M and monitoring activities and identification of proposed changes to the OMM or Site procedures/policies that would provide a safer and/or more cost-effective operation.

Visual Site monitoring of the landfill occurs on a routine basis to evaluate evidence of erosion; cap differential settlement; the condition of the perimeter fencing, gates, locks and signs; condition of gas monitoring probes; drainage structures and surrounding property structures. The existing groundwater monitoring wells and immediate surrounding area is reviewed during each sampling event.

To date, the Source Control O&M activities have been ongoing since the capping of the landfill. The MNA sampling activities were initiated in April and May of 2003 with the first quarterly sampling event.

With regard to O&M costs, the following is an approximation of total annual system operations/O&M costs during the period until submission of the next five-year review in September 2008. This cost estimate is different from the cost estimate of the ROD as it included the estimated maintenance cost for the cap, leachate disposal, and reporting to the CTDEP in addition to the ROD estimated cost. The ROD cost estimate addressed only the sampling and monitoring, installation of new wells, with reporting to the EPA.

Table 3: Annual System Operations/O&M Estimated Costs

Dates		Total Cost Estimate rounded to nearest \$1,000
From	To	
5/03	5/04	\$408,000
5/04	5/05	\$374,000
5/05	5/06	\$204,000
5/06	5/07	\$140,000
5/07	5/08	\$150,000

5.0 PROGRESS SINCE THE LAST FIVE-YEAR REVIEW

This is the first five-year review for the Site.

6.0 FIVE-YEAR REVIEW PROCESS

Tasks completed as part of this review include review of pertinent Site-related documents; an inspection of Site monitoring areas; discussions with RRDD#1, EPA, CTDEP and the community; and a review of Site-specific regulatory and relevant standards. The Site review was led by Byron Mah, the RPM for the EPA, with support from Gilbert Richards of the CTDEP. Sampling and Analysis and technical support was lead by Allen Walker of LFR, the project manager for the PRP group, and included LFR team members with expertise in hydrogeology, MNA, and risk assessment.

6.1 Community Notification and Involvement

As documented in the ROD, the level of community concern and involvement has varied. Since completion of the NTCRA, community interest has been minimal. Provided below is a chronology of public outreach efforts that have occurred since 1998.

Chronology of Public Outreach Efforts Table

March 1998	EPA publishes a fact sheet and holds a public information meeting to describe upcoming construction activity and schedules for the NTCRA landfill work. EPA community involvement staff canvasses the local residents, going door to door prior to the public meeting.
March 1999	EPA publishes a fact sheet to provide an update of Site construction activity completed to date and the schedule for activity during 1999.
March 2000	EPA publishes a fact sheet to describe the alternatives being evaluated in the FS and to describe the nine CERCLA criteria and the public participation process to follow the FS.
Week of June 21, 2001	EPA publishes a notice and brief analysis of the Proposed Plan in The Register Citizen and makes the plan available to the public at the repository – Beardsley Memorial Library.
Prior to week of June 21, 2001	EPA community involvement staff canvasses the local residents, going door to door prior to the public meeting.
June 20, 2001 to July 20, 2001	EPA holds a 30-day public comment period to accept public comment on the alternatives presented in the FS and the Proposed Plan and on any other documents previously released to the public.
June 20, 2001	EPA holds an informational meeting to discuss the results of the RI and the cleanup alternatives presented in the FS and to present the EPA's Proposed Plan to a broader community audience than those that had already been involved at the Site. At this meeting, representatives from EPA and CTDEP answered questions from the public.
July 18, 2001	EPA holds a public hearing to discuss the Proposed Plan and to accept any oral comments.
November 19, 2002	ELUR public notice; 30-day comment period from November 19, 2002 to December 19, 2002

On June 17, 2003 a public notice was published in the Register Citizen to announce the five-year review, Site activities, and a June 24, 2003 public open house. A letter stating the same was provided to the local community's chief municipal officers. EPA also sent out a press release regarding the five-year review and other updates to the Site activities. There were no comments received with regards to the protectiveness of the remedy.

6.2 Document Review

Site-related documents reviewed as part of this effort are listed in Table 4. The documents were compared to six aspects of the Site including:

- Basis for the Response Action;
- Implementation of the Response;
- Operation and Maintenance;
- Remedy Performance;
- Legal Documentation; and
- Community Involvement.

6.3 Data Review

Groundwater monitoring pursuant to the ROD was initiated in April and May of 2003. Therefore, only one round of sampling had been conducted at the time of the five-year review, which included the initial sampling for MNA parameters.

Table 5 presents the results of the first round of groundwater sampling at the Site. The table compares the data to applicable state and federal criteria. The data includes VOCs, SVOCs, metals, leachate parameters and the MNA parameters. As this is the first comprehensive sampling event, these results establish the baseline for the MNA sampling. The evaluation of the MNA parameters is further discussed in Section 7 of this report.

Based on the analytical results, LFR prepared figures of the COC concentration for detected COCs. The following figures were prepared:

- Figure 4: Overburden Total VOCs and SVOCs Concentration Map - April 30 - May 8, 2003;
- Figure 5: Overburden Total BTEX Concentration Map - April 30 - May 8, 2003;
- Figure 6: Shallow Bedrock Total VOCs and SVOCs Concentration Map - April 30 - May 8, 2003; and
- Figure 7: Shallow Bedrock Total BTEX Concentration Map - April 30 - May 8, 2003.

A review of these figures indicates that the delineation of the likely plume endpoint to the east was estimated. To more clearly define the extent of the COCs, LFR recommends that existing additional wells be sampled in future sampling events. The proposed wells to be sampled include wells MW-105S and B, MW-108S and B, MW-109B, MW-117S and B, and MW-118S and B.

The initial round of surface water and sediment sampling occurred on August 14, 2003. The results of this sampling were not available for inclusion in this report.

6.4 Site Inspection

A Site inspection was conducted during each the initial sampling event in April and May 2003 as well as on June 24, 2003. EPA and CTDEP performed the Site inspection. This review focused on the condition of the groundwater monitoring wells and their usability for sampling. In addition, a Site review was conducted with Byron Mah of the EPA and Gil Richards of the CTDEP on April 30, 2003.

During the review with the EPA and CTDEP, representatives an off-Site well location (well MW-111) was reviewed and four 55-gallon drums were found at the well head. This well is located in the woods accessible by a dirt road that is blocked at its entrance. The drums were labeled as purge water, but the label was weathered and appeared old. Two of the drums contained liquid and the others did not. The drums were in poor condition as they were rusted with some holes. It was suspected that these drums contained purge water from the initial sampling during the RI or FS. LFR sampled the drums for VOCs and metals. No VOCs were detected and the metals detected were consistent with purge water. Based on these results, the drums were removed by the RRDD#1 with the water placed in the leachate holding tank for disposal.

Regarding the well conditions, three of the wells were unable to be sampled. This included well MW-113I, MW-113D and MW-4R. These wells were damaged as follows:

- MW-113I: the PVC was bent so that sampling equipment could not pass;
- MW-113D: a pump was stuck in the well; and
- MW-4R: there was an obstruction at 12 feet below grade.

The condition of the cap and fence appeared good at the time of the visit.

The landfill cap is also checked by an independent inspector as part of the source control requirements. The latest inspection was June 5, 2003. No significant issues were identified during this inspection. A copy of the inspection checklist is included as Appendix A.

6.5 Interviews

Interviews were conducted with various parties connected to the Site. Carol Jones, a nearby resident, was interviewed on April 30, 2003. No significant problems regarding the

Site were identified during the interview. There were no concerns expressed about the protectiveness of the remedy. She expressed a historical concern about stormwater runoff from the Site to her property, but this was corrected with Site grading. She also expressed that adequate prior notice to sampling be provided.

Jim Hart, the administrator for the Site, did not indicate significant problems regarding the Site. He inquired if it was possible to reuse the leachate water collected in the holding tank, which would be used to water the grass on the landfill cap. To further review this possibility, LFR collected a sample of the leachate water for laboratory analysis and characterization. The potential reuse of this water is being evaluated.

7 TECHNICAL ASSESSMENT

7.1 Is the Remedy functioning as intended by the decision documents?

The review of documents, Applicable, or Relevant, and Appropriate Requirements (ARARs), risk assumptions, and the results of the Site inspection indicate that the remedy is functioning as intended by the ROD. A copy of the ARARs for the Site is attached at Appendix B. The capping of landfill material and collection of leachate have achieved the remedial objectives to minimize the migration of contaminants to groundwater and surface water and prevent direct contact with, or ingestion of, contaminants in soil and sediments. The forthcoming implementation of institutional controls will prevent exposure to contaminated landfill materials.

O&M of the cap and drainage structures has been effective. O&M annual costs are consistent with original estimates and there are no indications of any difficulties with the remedy.

There were no opportunities for system optimization observed during this review. The monitoring well network provides sufficient data to assess the general progress of natural attenuation within the plume, and maintenance of the cap is sufficient to maintain its integrity. To better assess the magnitude and extent of the groundwater plume downgradient of the landfill, additional monitoring locations are planned that include sampling existing monitoring wells and the installation of new monitoring wells.

The institutional controls that are in place (the main facility) include prohibitions on the use or disturbance of groundwater until cleanup levels are achieved, and prohibitions on excavation activities, disturbance of the cap, and any other activities or actions that might interfere with the implemented remedy. The institutional controls that are about to be recorded (Town Property, MDC, and a private property owner) will also have the same prohibitions. These institutional controls, in the form of an ELUR, have been submitted to CTDEP for approval. No activities were observed that would have violated the institutional controls. The cap and the surrounding area were undisturbed, and no new uses of groundwater were observed. The fence around the Site is intact and in good repair. EPA and CTDEP inspected the Cap on June 24, 2003.

7.2 Are the exposure assumptions, toxicity data, cleanup levels and remedial action objectives (RAOs) used at the time of remedy selection still valid?

7.2.1 Changes in Exposure Pathways

The exposure pathways as indicated in the risk assessment and ROD are shown Figure 8. There have been no changes in the physical conditions of the Site since approval of the decision documents. Therefore, no changes in exposure pathways have occurred that would affect the protectiveness of the remedy.

7.2.2 Changes in Toxicity, ARARs, and Other Contaminant Characteristics

Changes in toxicity

Since approval of the decision documents, the EPA or other authority has revised toxicity factors for some of the chemicals of concern. Sources of toxicity factors that were reviewed included EPA's Integrated Risk Information System (IRIS), EPA Health Effects Summary Tables (HEAST), and reports by the EPA National Center for Environmental Assessment (NCEA). Tables 6 summarize the previous and currently applicable toxicity factors for COCs that are carcinogens and non-carcinogens, respectively. The EPA-approved cancer slope factor for benzene has increased by a factor of less than two. The EPA-approved cancer slope factor for vinyl chloride has decreased by about 26 percent. Increases in cancer slope factor indicate a greater potential for carcinogenic action. In addition, the NCEA has proposed an increased cancer slope factor for trichloroethylene, which is currently under review by EPA. The proposed slope factor for TCE is 36 times greater than before. The risk assessment concluded that that 80 percent of the total estimated carcinogenic risk from groundwater exposure was due to arsenic. The agency-recognized toxicity of arsenic has not changed since approval of the decision documents.

Benzene, trichloroethylene, and vinyl chloride contributed 1, 0.1, and 9 percent to the total estimated incremental excess cancer risk from exposure to groundwater, respectively.

The EPA-approved reference dose for manganese has increased by a factor of less than six. The EPA-approved reference dose for benzene has decreased by about 7.5 times. Decreases in reference doses indicate a greater potential for non-carcinogenic effect. In addition, the NCEA has proposed a decreased reference dose for trichloroethene, which is currently under review by EPA. The proposed reference dose for TCE is 20 times less than before. Conversely, the EPA-approved reference dose for manganese has increased by about 60 times. The reference doses for three chemicals (1,2-dichloroethane, 1,2-dichloropropane, and chloroethane) have been withdrawn from EPA's IRIS database, pending further review by EPA. The risk assessment concluded that 91 percent of the total estimated non-carcinogenic risk from groundwater exposure was from 4-methylphenol. The agency-recognized toxicity of 4-methylphenol has not changed since approval of the decision documents. Benzene, trichloroethylene, and manganese contributed 0.05 percent, 0.0006 percent, and 3 percent to the total estimated incremental excess cancer risk from exposure to groundwater.

Based on a review of these changes in toxicity factors, the overall estimated cancer and non-cancer Site risks, as estimated in the risk assessment, are unlikely to be significantly affected. Moreover, the changes in toxicity factors are unlikely to affect groundwater cleanup levels at the Site. Currently, the most stringent cleanup levels for groundwater (as indicated in the ROD) are dictated by background concentrations for each chemical of concern, rather than by total estimated health risk.

Changes in ARARs, Standards and To Be Considered's

Cleanup levels were established in the ROD for groundwater for all chemicals of concern identified in the Baseline Risk Assessment found to pose an unacceptable risk to either public health or the environment. Cleanup levels were set based on the ARARs (e.g., non-zero Drinking Water Maximum Contaminant Level Goals (MCLGs), MCLs, and more stringent State Remediation Standard Regulations), as available. Groundwater cleanup levels for each chemical of concern is its background concentration, per Connecticut RSRs, Section 22a-133k-3(a). A list of tentative background concentrations was presented in the ROD. During the Remedial Action Phase, EPA in consultation with CTDEP, will determine whether these concentrations represent background for this Site. EPA will only change these values in the ROD if they are necessary pursuant to Section 117(c) of CERCLA. A process often referred to as an Explanation of Significant Differences.

There is one change that has occurred in the ARARs and To Be Considereds (TBCs) since the ROD was signed. Since the ROD was signed, EPA adopted lower Maximum

Concentration Level (MCL) standards for arsenic in groundwater. This changed the standard from 50 ppb to 10 ppb.

The interim groundwater cleanup level, as presented in the ROD, was based on the arsenic standard in drinking water of 50 ug/l established in 1975, by the U.S. Public Health Service standard originally established in 1942. The Safe Drinking Water Act, as amended in 1996, required EPA to review current drinking water standards for arsenic, propose a maximum contaminant level (MCL) for arsenic by January 1, 2000, and issue a final regulation by January, 2001.

EPA published a new standard for arsenic in drinking water of 10 ug/l on January 22, 2001 that would require public water supplies to reduce arsenic to 10 ug/l by 2006. EPA withdrew this standard in March 2001 for review. On May 22, 2001 EPA extended the previous delay of the rule's effective date to February 22, 2002 but did not change the compliance date (2006) for systems.

EPA requested three independent, expert panels to conduct three studies as part of its reassessment of the January 22 rule; the National Research Council undertook an expedited review of EPA's arsenic risk analysis and recent health effects research, the National Drinking Water Advisory Council reassessed the rule's cost, and the Agency's Science Advisory Board reviewed its benefits.

The risks, cost, and benefits reviews are completed. EPA decided that the additional information has reinforced the basis for significant reductions of the standard. On October 31, 2001, EPA affirmed the appropriateness of an MCL or regulatory level of 10 ug/l for arsenic in drinking water in its press release. As required by the Safe Drinking Water Act, a standard of 10 ug/l protects public health based on the best available science and ensures that the cost of the standard is achievable. This arsenic drinking water rule became effective on February 22, 2002 and by January 23, 2006, both community water systems and non-transient, non-community water systems must comply with the new 10 ug/l standard. Additionally, Superfund must also adopt this new standard and treat it as it would any other MCL-based contaminant concentration level in its decision making process for groundwater cleanups.

Therefore, the arsenic cleanup level must be reviewed and a determination made as to whether the remedy remains protective in light of the revised cleanup goals. The ROD's goal of cleaning up arsenic to drinking water levels is unlikely to be met in light of (a) the revised MCL for arsenic (10 ppb), and (b) the current lack of viable cleanup technology for arsenic in groundwater. However, risks to human health can be controlled as long as the groundwater in the immediate vicinity of the contaminated portions of the Site is not used for drinking water.

All other risk based cleanup goals as presented in the ROD remain substantively unchanged.

7.2.3 Expected Progress Towards Meeting RAOs

Groundwater modeling conducted during the FS (O'Brien & Gere Engineers, Inc. 2001a) estimated that natural attenuation would achieve the groundwater cleanup levels in the overburden in approximately 15.6 years, and in the bedrock aquifer in approximately 6 years. These results were obtained by simulating the flow of groundwater and the migration and attenuation of two COCs, 4-methylphenol and 2-butanone. Since these compounds were present in high concentrations in the plume and are fairly soluble in water, the cleanup times for these compounds represent conservative estimates of the time for remediation of all groundwater COCs. Based on calibration to trends in the groundwater monitoring data through the RI/FS period, fairly high rates of contaminant degradation were projected by the model calibration. However, due to the uncertainties that are associated with contaminant transport modeling, the predicted cleanup times must be considered estimates. Uncertainties in the model predictions arose from the inability to simulate complexities in the aquifer/plume system and the limited water quality data for calibration.

Previous review of historical groundwater quality data indicated that the concentrations of Site-related constituents are either remaining relatively stable, or are decreasing over time. Geochemical evidence that indicated subsurface conditions are amenable for microbially-mediated degradation included the following:

- an abundance of dissolved organic carbon that can be used as a carbon source (electron donor) by microbes;
 - anaerobic conditions that sustain reductive dechlorination;
 - presence of organic compounds that can undergo fermentation reactions (BTEX, ketones) that produce hydrogen, which can be utilized by microbes during reductive dechlorination;
 - low concentrations of nitrate that will not suppress the reductive dechlorination pathway;
 - low sulfate concentrations within the plume as compared to background, suggesting utilization as an electron acceptor;
 - some degree of increased chloride concentration in the plume compared to background, suggesting dechlorination is occurring;
 - some degree of increased alkalinity in the plume compared to background suggesting that the plume is biologically active;
 - decreases in oxidation-reduction potential in the plume as compared to background, suggesting the plume is biologically active;
-

- the presence of methane that suggests highly reducing conditions and microbial degradation; and
- groundwater pH ranges that are suitable for microbial populations.

Recently, a long-term groundwater-monitoring program was initiated that is designed to assess the progress of natural attenuation over time. The results from the first round of this monitoring program are shown in Table 5. Based on a preliminary review of this recent data, Site-related constituents continue to remain relatively stable, or are decreasing over time. Isoconcentration contour plots for total VOCs and SVOCs and total are shown in Figures 4 through 7. Additional interpretation of these data, including a more detailed evaluation of progress towards meeting RAOs, will occur in future periodic reports, including future five-year Reviews.

7.3 Other information that could call into question the protectiveness of the remedy

There is no other information that calls into question the protectiveness of the remedy.

7.4 Technical Assessment Summary

The review of documents, ARARs, risk assumptions, and the results of the Site inspection indicate that the remedy is functioning as intended by the ROD. The exposure assumptions, cleanup levels, and remedial action objectives (RAOs) used at the time of remedy selection remain still valid. Some changes in agency-recognized toxicity factors have occurred for selected Site-related chemicals, but these changes have not affected cleanup levels, nor are they expected to significantly affect overall Site risk. Long-term monitoring data indicate that groundwater plume is relatively stable or shrinking, and that acceptable progress is being made towards meeting RAOs.

8 ISSUES

As of the date of this writing, there have been no problems or issues encountered during sampling, other than the inability to collect samples from three Site groundwater monitoring wells (MW-113I, MW-113D, MW-4R), due to damage and/or obstructions. These wells are not critical to assess the performance of MNA at the Site and there is no current plan to replace them.

The other issue encountered during groundwater sampling in April and May 2003 included the discovery of four 55-gallon drums at well MW-111. Two of the drums were rusted and empty. The other two drums contained approximately 2 to 20 gallons of purge water based on the label on the drums. No visual or olfactory evidence of OHM (Oil / hazardous materials) was encountered within or in the area surrounding the drums. Samples were collected from each drum and analyzed for VOCs and metals. CTDEP was present during sampling activities. No VOCs were detected and the metals detected were consistent with purge water. Based on these results, the drums were removed by the RRDD with the water placed in the leachate-holding tank for disposal.

Neither of the issues set forth above affect the protectiveness of the remedy.

9 RECOMMENDATIONS AND FOLLOW-UP ACTIONS

Refer to Table 8 for a listing of recommendations and follow-up actions.

10 PROTECTIVENESS STATEMENT

This five-year review has found that the remedy is functioning as designed. The immediate threats to human health and the environment have been addressed by capping the landfill. The selected groundwater remedy is MNA. Once the groundwater cleanup goals have been achieved, in approximately 16 years (see O'Brien & Gere Engineers, Inc. 2001a), the groundwater remedy will be protective of human health and the environment. In the interim, exposure pathways that could result in unacceptable risks are being controlled. Environmental Land Use Restrictions (ELURs), which prohibit the installation of drinking water wells, have been placed on the main facility property.

11 NEXT REVIEW

The due date for the second five-year review is September 15, 2008.

REFERENCES

- Fuss & O'Neill 1992. RRDD#1 Landfill Closure Plan. Barkhamsted CT. September.
- O'Brien & Gere Engineers, Inc. 1996. Remedial Investigation (RI) -Barkhamsted-New Hartford Landfill Superfund Site. February.
- O'Brien & Gere Engineers, Inc. 1997. Remedial Action Plan for Non-Time Critical Removal Action, Barkhamsted-New Hartford Landfill Superfund Site.
- O'Brien & Gere Engineers, Inc. 2001a. Feasibility Study-Barkhamsted-New Hartford Landfill Superfund Site. June.
- O'Brien & Gere Engineers, Inc. 2001b. Operation and Maintenance manual-Barkhamsted Landfill Pleasant Valley, Connecticut Landfill Closure. October.
- State of Connecticut Department of Environmental Protection 1990. Consent Order #SRD-072 between the State of Connecticut and the Regional Refuse Disposal District No. 1.
- United States Environmental Protection Agency (U.S. EPA) 1991. Administrative Order on Consent. Docket #I-91 –1128 between the EPA, the State of Connecticut, and the PRP Group. October 4.
- United States Environmental Protection Agency (U.S. EPA) 2001a. Comprehensive Five-Year Review Guidance. June.
- United States Environmental Protection Agency (U.S. EPA) 2001b. EPA Superfund Record of Decision: Barkhamsted – New Hartford Landfill. EPA ID: CTD980732333. OU1, Barkhamsted, CT. EPA/OD/R01-01/001. September 28.
- United States of America and State of Connecticut v. Regional Refuse Disposal District No. 1, et al. 2003. Consent Decree. U.S. District Court for the District of Connecticut. May 7.

TABLES

TABLE 2: CONTAMINANTS OF CONCERN AND OTHER TARGET ANALYTES

Medium/Matrix: Groundwater			
<i>Benzene</i> ¹	<i>Toluene</i> ¹		Carbon disulfide ²
<i>1,2-dichloroethane</i> ¹	Ethylbenzene ²	Diethyl phthalate ²	Chlorobenzene ²
<i>1,2-dichloropropane</i> ¹	o-Xylene ²	Di-n-octyl phthalate ²	Cis-1,2-Dichloroethene ²
<i>Chloroethane</i> ¹	p-Xylene ²	Naphthalene ²	Styrene ²
<i>Chloroform</i> ¹	m-Xylene ²	Phenol ²	<i>1,4-dichlorobenzene</i> ¹
<i>Chloromethane</i> ¹	Acetone ²	<i>Arsenic</i> ¹	1,2-dichlorobenzene ²
<i>Dibromochloromethane</i> ¹	<i>2-Butanone (MEK)</i> ¹	<i>Chromium (total)</i> ¹	<i>Bis(2-ethyl hexyl)</i> <i>phthalate</i> ¹
<i>Methylene chloride</i> ¹	<i>4-methyl-2-pentanone</i> ¹	<i>Lead</i> ¹	2,4-dimethylphenol ¹
<i>Trichloroethene (TCE)</i> ¹	1,1,1-Trichloroethane ²	<i>Manganese</i> ¹	4-methylphenol ¹
<i>Vinyl chloride (VC)</i> ¹	1,1-Dichloroethane ²	Aluminum ²	2-methylnaphthalene ²
Tetrachloroethene	2-Hexanone ²	Antimony ²	2-methylphenol ²
Trans-1,2-dichloroethene	Bromomethane ²	Barium ²	Benzoic acid ²
Thallium ²	Dissolved ethene ³	Beryllium ²	Zinc ²
		Chemical Oxygen Demand (COD) ³	
Dissolved hydrogen ³	Ferrous Iron ³	Dissolved methane ³	Sulfate ³
Sulfide ³	Nitrate ³	Dissolved ethane ³	

NOTES

- ¹ Project action limit defined by Clean-Up levels designated in ROD (US EPA 2001b)
² Project action limit defined by Clean-Up levels designated in FS (O'Brien & Gere, 2001a)
³ Monitored Natural Attenuation (MNA) Parameters
Contaminants of Concern (italics) defined in ROD (US EPA 2001b)

**TABLE 2: CONTAMINANTS OF CONCERN AND OTHER TARGET ANALYTES
(CONT'D)**

Medium/Matrix: Leachate and Groundwater

Alkalinity
Ammonia
Chemical Oxygen
Demand
Specific Conductivity
Hardness (Metals)
pH
Total Sulfate
Chloride
Nitrate
Total Dissolved Solids
Total Suspended Solids

Medium/Matrix: Sediment

Benzo(a)anthracene	Arochlor-1254	Aluminum
Benzo(b)fluoranthene	Gamma-chlordane	Antimony
Benzo(a)pyrene	4, 4'-DDE	Arsenic
Indeno(1,2,3-cd)pyrene	4, 4'-DDT	Barium
Phenanthrene	Endosulfan II	Beryllium
Pyrene	Endrin	Chromium
Cobalt	Lead	Vanadium
Copper	Manganese	Zinc
Iron	Nickel	

Medium/Matrix: Leachate Seeps/Surface Water

Chloromethane	Benzene	Arsenic
1,2-Dichloropropane	Bromodichloromethane	Aluminum
Acetone	Chloroethane	Barium
Carbon disulfide	Chloroform	Copper
Methylene chloride	2,4-Dimethylphenol	Iron
Xylenes	Bis(2-ethylhexyl)phthalate	Cadmium
Phenol	Lead	Zinc
Chlorobenzene	Manganese	Copper
1,1,-Dichloroethane	Zinc	Chromium
Hardness (Metals)	4, 4'-DDE	4, 4'-DDT
Arochlor-1254		

TABLE4 – REVIEW OF SITE RELATED DOCUMENTS**Basis for Response Action**

Remedy decision documents, and Federal and State laws and regulations, provide the basis upon which the remedy was selected or modified. The documents in the table below identify the background and goals of the remedy and changes in laws and regulations that may affect the remedy.

DOCUMENT	PURPOSE OF DOCUMENT	USE DURING FIVE-YEAR REVIEW
Remedial Investigation (RI) Barkhamsted-New Hartford Landfill Superfund Site O'Brien & Gere Engineers, Inc. February 1996	Records assessment findings.	Understanding of site conditions. Risk assessment.
Feasibility Study (FS) Report Barkhamsted-New Hartford Landfill Superfund Site O'Brien & Gere Engineers, Inc. June 2001	Reviews various remedial alternatives and ends in selection of remedial action	Selection of remedial action. Background information. Community concerns. Risk assessment.
EPA Superfund Record of Decision (ROD) Barkhamsted-New Hartford Landfill U.S. Environmental Protection Agency (U.S. EPA) September 28, 2001	Records remedial decision.	Background information. Goals for the remedy. Basis for action. Community concerns.
Federal environmental laws and regulations.	Statutory and regulatory requirements.	Changes in standards identified as ARARs in the ROD that provides a basis for cleanup levels/protectiveness of the remedy.
State environmental laws and regulations.	Statutory and regulatory requirements.	More stringent state environmental laws and regulations.

Implementation of the Response

Implementation documents furnish information about design assumptions, design plans or modifications, and documentation of the completion of construction at operable units (OUs) and the Site.

DOCUMENT	PURPOSE OF DOCUMENT	USE DURING FIVE-YEAR REVIEW
Remedial Investigation (RI) Barkhamsted-New Hartford Landfill Superfund Site O'Brien & Gere Engineers, Inc. February 1996	Records assessment findings	Understanding of site conditions. History and status of remedial action.
Feasibility Study (FS) Report Barkhamsted-New Hartford Landfill Superfund Site O'Brien & Gere Engineers, Inc. June 2001	Reviews various remedial alternatives and ends in selection of remedial action.	Selection of remedial action. Background information. History and status of remedial action.
EPA Superfund Record of Decision (ROD) Barkhamsted-New Hartford Landfill U.S. Environmental Protection Agency (U.S. EPA) September 28, 2001	Records remedial decision	Background information. Goals for the remedy. Basis for action. Community concerns.
Operation and Maintenance Manual Barkhamsted Landfill O'Brien & Gere Engineers, Inc. October 2001	Identify O&M activities at landfill and long-term groundwater monitoring program.	Long-term groundwater monitoring requirements. Background information. Construction and design information.

Remedy Performance

Monitoring data progress reports, and performance evaluation reports provide information that can be used to determine whether the remedial action continues to operate and function as designed, and has achieved, or is expected to achieve cleanup levels. The data presented in these documents can also provide trend analysis, which can be used to determine how well the remedy is performing and how long it may take to achieve remediation goals. These reports can also indicate whether monitoring activities are adequate to ensure the effectiveness of the remedy and whether these activities are being conducted.

DOCUMENT	PURPOSE OF DOCUMENT	USE DURING FIVE-YEAR REVIEW
Operation and Maintenance Manual Barkhamsted Landfill O'Brien & Gere Engineers, Inc. October 2001	Identify O&M activities at landfill and long-term groundwater monitoring program.	Long-term groundwater monitoring requirements. Background information.
Quarterly and Annual Monitoring reports Fuss & O'Neill, Inc. Annually to 2003	Results of CTDEP long-term monitoring program. Trend analysis.	Check whether COC are within established criteria. Evaluate progress of cleanup. Trend analysis for COCs, but no MNA data.
Quarterly monitoring data LFR, Inc. April-May 2003 (to be published in future Quarterly and Annual Monitoring reports)	Results of CTDEP and USEPA long-term monitoring program. Trend analysis.	Check whether COC are within established criteria. Evaluate progress of cleanup. Trend analysis for COCs, with MNA data.

Operation and Maintenance

O&M documents describe the ongoing measures at the Site to ensure the remedy remains protective. They provide the structure for the O&M at the Site and confirm that O&M is proceeding as planned.

DOCUMENT	PURPOSE OF DOCUMENT	USE DURING FIVE-YEAR REVIEW
Operation and Maintenance Manual Barkhamsted Landfill O'Brien & Gere Engineers, Inc. (2001a)	Identify O&M activities at landfill and long-term groundwater monitoring program.	Long-term groundwater monitoring requirements. Background information.
Quarterly and Annual Monitoring reports Fuss & O'Neill, Inc. Annually to 2003	Results of CTDEP long-term monitoring program. Document O&M activities and data.	Check whether COC are within established criteria and no unusual trends. Confirm activities are conducted and identify issues.

Legal Documentation

Legal documentation pertinent to the Site may specify responsibilities for conducting remedial actions, implementing institutional and access controls, O&M activities and performing elements of the five-year reviews.

DOCUMENT	PURPOSE OF DOCUMENT	USE DURING FIVE-YEAR REVIEW
Consent Decree Finalized May 7, 2003	Commitments/agreements regarding implementation and operation of the remedy and conduct of studies.	Responsibilities of the PRP for conducting remedial activities at the Site

Community Involvement

The community involvement plan (CIP) will provide a better understanding of the history of community involvement and of other activities at the Site. It will also help to identify community members who may be useful resources during interviews.

DOCUMENT	PURPOSE OF DOCUMENT	USE DURING FIVE-YEAR REVIEW
Feasibility Study (FS) Report Barkhamsted-New Hartford Landfill Superfund Site O'Brien & Gere Engineers, Inc. June 2001	Reviews various remedial alternatives and ends in selection of remedial action	Background information. Community concerns.
EPA Superfund Record of Decision (ROD) Barkhamsted-New Hartford Landfill U.S. Environmental Protection Agency (U.S. EPA) September 28, 2001	Records remedial decision.	Background information. Community concerns.
Community Involvement Plan Draft 2003	Site communication strategy that specifies outreach activities.	Community concerns/issues and identification of appropriate community members for interviews.

TABLE 5 -- GROUNDWATER ANALYTICAL RESULTS

April 2003
Water Sampling Analytical Results
Barkhamsted - New Hartford Landfill

Only chemicals of concern and detected compounds are reported

Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RL	MDL	Screening Criteria					Units
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL	

General Minerals and Metals Monitoring Parameters in Groundwater

DW-001

5/1/03	Alkalinity	Alkalinity as CaCO ₃	4000	2000	NC	NC	NC	NC	NC	NC	NC	NC	NC	ug/L
5/1/03	Ammonia	Ammonia as N	< 300	300	U				NC	NC	NC	NC	NC	ug/L
5/1/03	COD	Chemical Oxygen Demand	< 10000	1000	U				NC	NC	NC	NC	NC	ug/L
5/1/03	Chloride	Chloride	44000	3000					NC	NC	NC	NC	NC	ug/L
5/1/03	Conductivity	Conductivity	176	5					NC	NC	NC	NC	NC	umhos/cm
5/1/03	Nitrate	Nitrate as N	20	20					NC	NC	NC	NC	10000	ug/L
5/1/03	Nitrite	Nitrite as N	< 10	10	U				NC	NC	NC	NC	1000	ug/L
5/1/03	pH	pH	5.10	N/A					NC	NC	NC	NC	NC	S.U.
5/1/03	Sulfate	Sulfate	7000	5000					NC	NC	NC	NC	500000	ug/L
5/1/03	TDS	Total Dissolved Solids	160000	1000					NC	NC	NC	NC	NC	ug/L
5/1/03	TSS	Total Suspended Solids	< 5000	5000	U				NC	NC	NC	NC	NC	ug/L

DW-002

5/2/03	Alkalinity	Alkalinity as CaCO ₃	20000	2000	NC	NC	NC	NC	NC	NC	NC	NC	NC	ug/L
5/2/03	Ammonia	Ammonia as N	< 300	300	U				NC	NC	NC	NC	NC	ug/L
5/2/03	COD	Chemical Oxygen Demand	< 10000	1000	U				NC	NC	NC	NC	NC	ug/L
5/2/03	Chloride	Chloride	20000	3000					NC	NC	NC	NC	NC	ug/L
5/2/03	Conductivity	Conductivity	137	5					NC	NC	NC	NC	NC	umhos/cm
5/2/03	Nitrate	Nitrate as N	450	20					NC	NC	NC	NC	10000	ug/L
5/2/03	Nitrite	Nitrite as N	< 10	10	U				NC	NC	NC	NC	1000	ug/L
5/2/03	pH	pH	5.73	N/A					NC	NC	NC	NC	NC	S.U.
5/2/03	Sulfate	Sulfate	14000	5000					NC	NC	NC	NC	500000	ug/L

April 2003
Water Sampling Analytical Results
Barkhamsted - New Hartford Landfill

Only chemicals of concern and detected compounds are reported

Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RL	MDL	Screening Criteria					Units
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL	

General Minerals and Metals Monitoring Parameters in Groundwater

DW-002

5/2/03		TDS		Total Dissolved Solids	110000		1000		NC	NC	NC	NC	NC	ug/L
5/2/03		TSS		Total Suspended Solids	<4000	U	4000		NC	NC	NC	NC	NC	ug/L

DW-003

5/2/03		Alkalinity		Alkalinity as CaCO3	16000		2000		NC	NC	NC	NC	NC	ug/L
5/2/03		Ammonia		Ammonia as N	<300	U	300		NC	NC	NC	NC	NC	ug/L
5/2/03		COD		Chemical Oxygen Demand	10000		1000		NC	NC	NC	NC	NC	ug/L
5/2/03		Chloride		Chloride	<3000	U	3000		NC	NC	NC	NC	NC	ug/L
5/2/03		Conductivity		Conductivity	57		5		NC	NC	NC	NC	NC	umhos/cm
5/2/03		Nitrate		Nitrate as N	30		20		NC	NC	NC	NC	10000	ug/L
5/2/03		Nitrite		Nitrite as N	<10	U	10		NC	NC	NC	NC	1000	ug/L
5/2/03		pH		pH	6.04		N/A		NC	NC	NC	NC	NC	S.U.
5/2/03		Sulfate		Sulfate	<5000	U	5000		NC	NC	NC	NC	500000	ug/L
5/2/03		TDS		Total Dissolved Solids	62000		1000		NC	NC	NC	NC	NC	ug/L
5/2/03		TSS		Total Suspended Solids	<5000	U	5000		NC	NC	NC	NC	NC	ug/L

EB #1

5/5/03		310.1		Alkalinity as CaCO3	<2000	U	2000		NC	NC	NC	NC	NC	ug/L
5/5/03		350.2		Ammonia as N	<300	U	300		NC	NC	NC	NC	NC	ug/L
5/5/03		410.4		Chemical Oxygen Demand	12000		1000		NC	NC	NC	NC	NC	ug/L
5/5/03		325.2		Chloride	<3000	U	3000		NC	NC	NC	NC	NC	ug/L
5/5/03		9050a		Conductivity	<5	U	5		NC	NC	NC	NC	NC	umhos/cm
5/5/03		353.2		Nitrate as N	<20	U	20		NC	NC	NC	NC	10000	ug/L

April 2003
Water Sampling Analytical Results
Barkhamsted - New Hartford Landfill

Only chemicals of concern and detected compounds are reported

Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RL	MDL	Screening Criteria					Units
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL	

General Minerals and Metals Monitoring Parameters in Groundwater

EB #1

5/5/03	353.2	Nitrite as N	< 10	U	10	NC	NC	NC	NC	NC	NC	NC	1000	ug/L
5/5/03	9040	pH	5.35		N/A	NC	NC	NC	NC	NC	NC	NC	NC	S.U.
5/5/03	9038	Sulfate	< 5000	U	5000	NC	NC	NC	NC	NC	NC	NC	500000	ug/L
5/5/03	160.1	Total Dissolved Solids	14000		1000	NC	NC	NC	NC	NC	NC	NC	NC	ug/L
5/5/03	160.2	Total Suspended Solids	< 5000	U	5000	NC	NC	NC	NC	NC	NC	NC	NC	ug/L

EB #2

5/5/03	310.1	Alkalinity as CaCO3	< 2000	U	2000	NC	NC	NC	NC	NC	NC	NC	NC	ug/L
5/5/03	350.2	Ammonia as N	< 300	U	300	NC	NC	NC	NC	NC	NC	NC	NC	ug/L
5/5/03	410.4	Chemical Oxygen Demand	13000		1000	NC	NC	NC	NC	NC	NC	NC	NC	ug/L
5/5/03	325.2	Chloride	< 3000	U	3000	NC	NC	NC	NC	NC	NC	NC	NC	ug/L
5/5/03	9050A	Conductivity	< 5	U	5	NC	NC	NC	NC	NC	NC	NC	NC	umhos/cm
5/5/03	353.2	Nitrate as N	30		20	NC	NC	NC	NC	NC	NC	NC	10000	ug/L
5/5/03	353.2	Nitrite as N	10		20	NC	NC	NC	NC	NC	NC	NC	1000	ug/L
5/5/03	9040	pH	5.31		N/A	NC	NC	NC	NC	NC	NC	NC	NC	S.U.
5/5/03	9038	Sulfate	< 5000	U	5000	NC	NC	NC	NC	NC	NC	NC	500000	ug/L
5/5/03	160.1	Total Dissolved Solids	< 10000	U	1000	NC	NC	NC	NC	NC	NC	NC	NC	ug/L
5/5/03	160.2	Total Suspended Solids	< 5000	U	5000	NC	NC	NC	NC	NC	NC	NC	NC	ug/L

MW-101 I

5/8/03	310.1	Alkalinity as CaCO3	66000		1000	NC	NC	NC	NC	NC	NC	NC	NC	ug/L
5/8/03	350.2	Ammonia as N	< 300	U	300	NC	NC	NC	NC	NC	NC	NC	NC	ug/L
5/8/03	410.4	Chemical Oxygen Demand	23000		1000	NC	NC	NC	NC	NC	NC	NC	NC	ug/L

April 2003
Water Sampling Analytical Results
Barkhamsted - New Hartford Landfill

Only chemicals of concern and detected compounds are reported

Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RL	MDL	Screening Criteria					Units
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL	

General Minerals and Metals Monitoring Parameters in Groundwater

MW-101 I

5/8/03	325.2	Chloride	56000	3000					NC	NC	NC	NC	NC	ug/L
5/8/03	9050A	Conductivity	316	5					NC	NC	NC	NC	NC	umhos/cm
5/8/03	Field Methods	DO	1840						NC	NC	NC	NC	NC	ug/L
5/8/03	Field Methods	Fe Hach Ferrous	N/A						NC	NC	NC	NC	NC	ug/L
5/8/03	Field Methods	Fe Hach Total	N/A						NC	NC	NC	NC	NC	ug/L
5/8/03	353.2	Nitrate as N	790	20					NC	NC	NC	NC	10000	ug/L
5/8/03	353.2	Nitrite as N	440	10					NC	NC	NC	NC	1000	ug/L
5/8/03	Field Methods	ORP/Eh3	-199						NC	NC	NC	NC	NC	ug/L
5/8/03	9040	pH	7.22	N/A					NC	NC	NC	NC	NC	S.U.
5/8/03	Field Methods	pH	7.57						NC	NC	NC	NC	NC	pH
5/8/03	Field Methods	Specific Conductance	220000						NC	NC	NC	NC	NC	ug/L
5/8/03	9038	Sulfate	10000	5000					NC	NC	NC	NC	500000	ug/L
5/8/03	Field Methods	Temperature	9						NC	NC	NC	NC	NC	Celsius
5/8/03	160.2	Total Dissolved Solids	246000	1000					NC	NC	NC	NC	NC	ug/L
5/8/03	160.2	Total Suspended Solids	29000	5000					NC	NC	NC	NC	NC	ug/L
5/8/03	Field Methods	Turbidity	3.25						NC	NC	NC	NC	NC	NTU

MW-101B B

5/7/03	310.1	Alkalinity as CaCO3	256000	2000					NC	NC	NC	NC	NC	ug/L
5/7/03	350.2	Ammonia as N	<300	300	U				NC	NC	NC	NC	NC	ug/L
5/7/03	410.4	Chemical Oxygen Demand	64000	1000					NC	NC	NC	NC	NC	ug/L
5/7/03	HACH8000	Chemical Oxygen Demand	56000	1800					NC	NC	NC	NC	NC	ug/L

April 2003
Water Sampling Analytical Results
Barkhamsted - New Hartford Landfill

Only chemicals of concern and detected compounds are reported

Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RL	MDL	Screening Criteria					Units
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL	
General Minerals and Metals Monitoring Parameters in Groundwater														
MW-101B B														
	5/7/03	325.2		Chloride	293000		3000		NC	NC	NC	NC	NC	ug/L
	5/7/03	9050A		Conductivity	1300		5		NC	NC	NC	NC	NC	umhos/cm
	5/7/03	Field Methods		DO	1350				NC	NC	NC	NC	NC	ug/L
	5/7/03	AM18		Ethane	0.14			0.005	NC	NC	NC	NC	NC	ug/L
	5/7/03	AM18		Ethene	0.076			0.005	NC	NC	NC	NC	NC	ug/L
	5/7/03	Field Methods		Fe Hach Ferrous	3000				NC	NC	NC	NC	NC	ug/L
	5/7/03	Field Methods		Fe Hach Total	5200				NC	NC	NC	NC	NC	ug/L
	5/7/03	Mod. 7199		Ferrous Iron	7500			110	NC	NC	NC	NC	NC	ug/L
	5/7/03	AM20GAX		Methane	1600			0.008	NC	NC	NC	NC	NC	ug/L
	5/7/03	9056		Nitrate	<230	U		230	NC	NC	NC	NC	10000	ug/L
	5/7/03	353.2		Nitrate as N	20		20		NC	NC	NC	NC	10000	ug/L
	5/7/03	9056		Nitrite	<240	U		240	NC	NC	NC	NC	1000	ug/L
	5/7/03	353.2		Nitrite as N	<10	U	10		NC	NC	NC	NC	1000	ug/L
	5/7/03	Field Methods		ORP/Eh3	-126				NC	NC	NC	NC	NC	ug/L
	5/7/03	Field Methods		pH	6.74				NC	NC	NC	NC	NC	pH
	5/7/03	9040		pH	6.88		N/A		NC	NC	NC	NC	NC	S.U.
	5/7/03	Field Methods		Specific Conductance	996000				NC	NC	NC	NC	NC	ug/L
	5/7/03	9056		Sulfate	8400			180	NC	NC	NC	NC	500000	ug/L
	5/7/03	9038		Sulfate	<5000	U	5000		NC	NC	NC	NC	500000	ug/L
	5/7/03	376.1		Sulfide	900 J	J		600	NC	NC	NC	NC	NC	ug/L
	5/7/03	Field Methods		Temperature	11.13				NC	NC	NC	NC	NC	Celsius

April 2003

Water Sampling Analytical Results
Barkhamsted - New Hartford Landfill

Only chemicals of concern and detected compounds are reported

Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RI	MDL	Screening Criteria					Units
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL	
General Minerals and Metals Monitoring Parameters in Groundwater														
MW-101B B														
		5/7/03	160.2	Total Dissolved Solids	926000		1000		NC	NC	NC	NC	NC	ug/L
		5/7/03	160.2	Total Suspended Solids	78000		5000		NC	NC	NC	NC	NC	ug/L
		5/7/03	Field Methods	Turbidity	25.2				NC	NC	NC	NC	NC	NTU
MW-101D D														
		5/8/03	310.1	Alkalinity as CaCO3	57000		1000		NC	NC	NC	NC	NC	ug/L
		5/8/03	350.2	Ammonia as N	<300	U	300		NC	NC	NC	NC	NC	ug/L
		5/8/03	410.4	Chemical Oxygen Demand	25000		1000		NC	NC	NC	NC	NC	ug/L
		5/8/03	325.2	Chloride	9000		3000		NC	NC	NC	NC	NC	ug/L
		5/8/03	9050A	Conductivity	215		5		NC	NC	NC	NC	NC	umhos/cm
		5/8/03	Field Methods	DO	4250				NC	NC	NC	NC	NC	ug/L
		5/8/03	Field Methods	Fe Hach Ferrous	N/A				NC	NC	NC	NC	NC	ug/L
		5/8/03	Field Methods	Fe Hach Total	N/A				NC	NC	NC	NC	NC	ug/L
		5/8/03	353.2	Nitrate as N	<20	U	20		NC	NC	NC	NC	10000	ug/L
		5/8/03	353.2	Nitrite as N	<10	U	10		NC	NC	NC	NC	1000	ug/L
		5/8/03	Field Methods	ORP/Eh3	-201				NC	NC	NC	NC	NC	ug/L
		5/8/03	Field Methods	pH	7.23				NC	NC	NC	NC	NC	pH
		5/8/03	9040	pH	6.82		N/A		NC	NC	NC	NC	NC	S.U.
		5/8/03	Field Methods	Specific Conductance	226000				NC	NC	NC	NC	NC	ug/L
		5/8/03	9038	Sulfate	17000		5000		NC	NC	NC	NC	500000	ug/L
		5/8/03	Field Methods	Temperature	9.9				NC	NC	NC	NC	NC	Celsius
		5/8/03	160.2	Total Dissolved Solids	258000		1000		NC	NC	NC	NC	NC	ug/L

April 2003
Water Sampling Analytical Results
Barkhamsted - New Hartford Landfill

Only chemicals of concern and detected compounds are reported

Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RL	MDL	Screening Criteria					Units
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL	
General Minerals and Metals Monitoring Parameters in Groundwater														
MW-101D	D													
		5/8/03	160.2	Total Suspended Solids	5000		5000		NC	NC	NC	NC	NC	ug/L
		5/8/03	Field Methods	Turbidity	1.7				NC	NC	NC	NC	NC	NTU
MW-101S	S													
		5/7/03	310.1	Alkalinity as CaCO3	948000		4000		NC	NC	NC	NC	NC	ug/L
		5/7/03	350.2	Ammonia as N	20400		7500		NC	NC	NC	NC	NC	ug/L
		5/7/03	410.4	Chemical Oxygen Demand	845000		1000		NC	NC	NC	NC	NC	ug/L
		5/7/03	HACH8000	Chemical Oxygen Demand	600000			1800	NC	NC	NC	NC	NC	ug/L
		5/7/03	325.2	Chloride	1390000		6000		NC	NC	NC	NC	NC	ug/L
		5/7/03	9050A	Conductivity	5430		5		NC	NC	NC	NC	NC	umhos/cm
		5/7/03	Field Methods	DO	5570				NC	NC	NC	NC	NC	ug/L
		5/7/03	AM18	Ethane	0.59			0.005	NC	NC	NC	NC	NC	ug/L
		5/7/03	AM18	Ethene	0.11			0.005	NC	NC	NC	NC	NC	ug/L
		5/7/03	Field Methods	Fe Hach Ferrous	4600				NC	NC	NC	NC	NC	ug/L
		5/7/03	Field Methods	Fe Hach Total	6800				NC	NC	NC	NC	NC	ug/L
		5/7/03	Mod_7199	Ferrous Iron	28000			550	NC	NC	NC	NC	NC	ug/L
		5/7/03	AM20GAX	Methane	9700			0.008	NC	NC	NC	NC	NC	ug/L
		5/7/03	9056	Nitrate	<230	U		230	NC	NC	NC	NC	10000	ug/L
		5/7/03	353.2	Nitrate as N	<20	U	20		NC	NC	NC	NC	10000	ug/L
		5/7/03	9056	Nitrite	<240	U		240	NC	NC	NC	NC	1000	ug/L
		5/7/03	353.2	Nitrite as N	20		10		NC	NC	NC	NC	1000	ug/L
		5/7/03	Field Methods	ORP/Eh3	-215				NC	NC	NC	NC	NC	ug/L

April 2003
Water Sampling Analytical Results
Barkhamsted - New Hartford Landfill

Only chemicals of concern and detected compounds are reported

Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RL	MDL	Screening Criteria					Units
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL	
General Minerals and Metals Monitoring Parameters in Groundwater														
MW-101S S														
		5/7/03	9040	pH	6.64		N/A		NC	NC	NC	NC	NC	S.U.
		5/7/03	Field Methods	pH	5.76				NC	NC	NC	NC	NC	pH
		5/7/03	Field Methods	Specific Conductance	4273000				NC	NC	NC	NC	NC	ug/L
		5/7/03	9038	Sulfate	46000		1000		NC	NC	NC	NC	500000	ug/L
		5/7/03	9056	Sulfate	<180	U		180	NC	NC	NC	NC	500000	ug/L
		5/7/03	Field Methods	Temperature	12.26				NC	NC	NC	NC	NC	Celsius
		5/7/03	160.2	Total Dissolved Solids	3450000		1000		NC	NC	NC	NC	NC	ug/L
		5/7/03	160.2	Total Suspended Solids	70000		5000		NC	NC	NC	NC	NC	ug/L
		5/7/03	Field Methods	Turbidity	29.7				NC	NC	NC	NC	NC	NTU
MW-102B B														
		5/1/03	310.1	Alkalinity as CaCO3	330000		2000		NC	NC	NC	NC	NC	ug/L
		5/1/03	350.2	Ammonia as N	<300	U	300		NC	NC	NC	NC	NC	ug/L
		5/1/03	410.4	Chemical Oxygen Demand	19000		1000		NC	NC	NC	NC	NC	ug/L
		5/1/03	9250	Chloride	180000		3000		NC	NC	NC	NC	NC	ug/L
		5/1/03	9050A	Conductivity	1100		5		NC	NC	NC	NC	NC	umhos/cm
		5/1/03	Field Methods	DO	400				NC	NC	NC	NC	NC	ug/L
		5/1/03	Field Methods	Fe Hach Ferrous	N/A				NC	NC	NC	NC	NC	ug/L
		5/1/03	Field Methods	Fe Hach Total	N/A				NC	NC	NC	NC	NC	ug/L
		5/1/03	353.2	Nitrate as N	40		20		NC	NC	NC	NC	10000	ug/L
		5/1/03	353.2	Nitrite as N	<10	U	10		NC	NC	NC	NC	1000	ug/L
		5/1/03	Field Methods	ORP/Eh3	18600				NC	NC	NC	NC	NC	ug/L

April 2003
Water Sampling Analytical Results
Barkhamsted - New Hartford Landfill

Only chemicals of concern and detected compounds are reported

Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RL	MDL	Screening Criteria					Units
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL	

General Minerals and Metals Monitoring Parameters in Groundwater

MW-102B B

5/1/03	9040	pH	6.83	N/A	NC	NC	NC	NC	NC	NC	NC	NC	NC	S.U.
5/1/03	Field Methods	pH	12.53*		NC				NC	NC	NC	NC	NC	pH
5/1/03	Field Methods	Specific Conductance	806000		NC				NC	NC	NC	NC	NC	ug/L
5/1/03	9038	Sulfate	<5000	U	5000				NC	NC	NC	NC	500000	ug/L
5/1/03	Field Methods	Temperature	10.7		NC				NC	NC	NC	NC	NC	Celsius
5/1/03	160.1	Total Dissolved Solids	640000		NC		1000		NC	NC	NC	NC	NC	ug/L
5/1/03	160.2	Total Suspended Solids	<5000	U	5000				NC	NC	NC	NC	NC	ug/L
5/1/03	Field Methods	Turbidity	0.14		NC				NC	NC	NC	NC	NC	NTU

MW-102B B Dup

5/1/03	310.1	Alkalinity as CaCO3	342000		NC		2000		NC	NC	NC	NC	NC	ug/L
5/1/03	350.2	Ammonia as N	<300	U	300				NC	NC	NC	NC	NC	ug/L
5/1/03	410.4	Chemical Oxygen Demand	21000		NC		1000		NC	NC	NC	NC	NC	ug/L
5/1/03	9050a	Conductivity	1120		NC		5		NC	NC	NC	NC	NC	umhos/cm
5/1/03	353.2	Nitrate as N	30		NC		20		NC	NC	NC	NC	10000	ug/L
5/1/03	353.2	Nitrite as N	<10	U	10				NC	NC	NC	NC	1000	ug/L
5/1/03	9040	pH	6.67	N/A	NC				NC	NC	NC	NC	NC	S.U.
5/1/03	9038	Sulfate	<5000	U	5000				NC	NC	NC	NC	500000	ug/L
5/1/03	160.1	Total Dissolved Solids	692000		NC		1000		NC	NC	NC	NC	NC	ug/L
5/1/03	160.2	Total Suspended Solids	<5000	U	5000				NC	NC	NC	NC	NC	ug/L

MW-102S S

5/1/03	310.1	Alkalinity as CaCO3	33000		NC		2000		NC	NC	NC	NC	NC	ug/L
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April 2003
Water Sampling Analytical Results
Barkhamsted - New Hartford Landfill

Only chemicals of concern and detected compounds are reported

Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RI	MDL	Screening Criteria				Units
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL

General Minerals and Metals Monitoring Parameters in Groundwater

MW-102S S

5/1/03	350.2	Ammonia as N	< 300	U	300				NC	NC	NC	NC	NC	ug/L
5/1/03	410.4	Chemical Oxygen Demand	27000		1000				NC	NC	NC	NC	NC	ug/L
5/1/03	9250	Chloride	76000		3000				NC	NC	NC	NC	NC	ug/L
5/1/03	9050A	Conductivity	351		5				NC	NC	NC	NC	NC	umhos/cm
5/1/03	Field Methods	DO	6830						NC	NC	NC	NC	NC	ug/L
5/1/03	Field Methods	Fe Hach Ferrous	N/A						NC	NC	NC	NC	NC	ug/L
5/1/03	Field Methods	Fe Hach Total	N/A						NC	NC	NC	NC	NC	ug/L
5/1/03	353.2	Nitrate as N	1550		80				NC	NC	NC	NC	10000	ug/L
5/1/03	353.2	Nitrite as N	< 10	U	10				NC	NC	NC	NC	1000	ug/L
5/1/03	Field Methods	ORP/Eh3	18400						NC	NC	NC	NC	NC	ug/L
5/1/03	9040	pH	6.97		N/A				NC	NC	NC	NC	NC	S.U.
5/1/03	Field Methods	pH	12.23*						NC	NC	NC	NC	NC	pH
5/1/03	Field Methods	Specific Conductance	240000						NC	NC	NC	NC	NC	ug/L
5/1/03	9038	Sulfate	16000		5000				NC	NC	NC	NC	500000	ug/L
5/1/03	Field Methods	Temperature	9.47						NC	NC	NC	NC	NC	Celsius
5/1/03	160.1	Total Dissolved Solids	276000		1000				NC	NC	NC	NC	NC	ug/L
5/1/03	160.2	Total Suspended Solids	< 5000	U	5000				NC	NC	NC	NC	NC	ug/L
5/1/03	Field Methods	Turbidity	0						NC	NC	NC	NC	NC	NTU

MW-103B B

5/1/03	310.1	Alkalinity as CaCO3	108000		1000				NC	NC	NC	NC	NC	ug/L
5/1/03	350.2	Ammonia as N	< 300	U	300				NC	NC	NC	NC	NC	ug/L

April 2003
Water Sampling Analytical Results
Barkhamsted - New Hartford Landfill

Only chemicals of concern and detected compounds are reported

Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RL	MDL	Screening Criteria					Units
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL	

General Minerals and Metals Monitoring Parameters in Groundwater

MW-103B B

5/1/03	410.4	Chemical Oxygen Demand	14000				1000		NC	NC	NC	NC	NC	ug/L
5/1/03	9250	Chloride	250000				3000		NC	NC	NC	NC	NC	ug/L
5/1/03	9050A	Conductivity	1000				5		NC	NC	NC	NC	NC	umhos/cm
5/1/03	Field Methods	DO	1830						NC	NC	NC	NC	NC	ug/L
5/1/03	Field Methods	Fe Hach Ferrous	N/A						NC	NC	NC	NC	NC	ug/L
5/1/03	Field Methods	Fe Hach Total	N/A						NC	NC	NC	NC	NC	ug/L
5/1/03	353.2	Nitrate as N	890				20		NC	NC	NC	NC	10000	ug/L
5/1/03	353.2	Nitrite as N	<10			U	10		NC	NC	NC	NC	1000	ug/L
5/1/03	Field Methods	ORP/Eh3	17100						NC	NC	NC	NC	NC	ug/L
5/1/03	9040	pH	6.27				N/A		NC	NC	NC	NC	NC	S. U.
5/1/03	Field Methods	pH	12.32*						NC	NC	NC	NC	NC	pH
5/1/03	Field Methods	Specific Conductance	659000						NC	NC	NC	NC	NC	ug/L
5/1/03	9038	Sulfate	24000				5000		NC	NC	NC	NC	500000	ug/L
5/1/03	Field Methods	Temperature	11.66						NC	NC	NC	NC	NC	Celsius
5/1/03	160.1	Total Dissolved Solids	770000				1000		NC	NC	NC	NC	NC	ug/L
5/1/03	160.2	Total Suspended Solids	<5000			U	5000		NC	NC	NC	NC	NC	ug/L
5/1/03	Field Methods	Turbidity	4.77						NC	NC	NC	NC	NC	NTU

MW-103S S

5/1/03	310.1	Alkalinity as CaCO3	51000				1000		NC	NC	NC	NC	NC	ug/L
5/1/03	350.2	Ammonia as N	< 300			U	300		NC	NC	NC	NC	NC	ug/L
5/1/03	410.4	Chemical Oxygen Demand	14000				1000		NC	NC	NC	NC	NC	ug/L

April 2003
Water Sampling Analytical Results
Barkhamsted - New Hartford Landfill

Only chemicals of concern and detected compounds are reported

Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RL	MDL	Screening Criteria					Units
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL	

General Minerals and Metals Monitoring Parameters in Groundwater

MW-1035 S

5/1/03	9250	Chloride	56000				3000		NC	NC	NC	NC	NC	ug/L
5/1/03	9050A	Conductivity	319				5		NC	NC	NC	NC	NC	umhos/cm
5/1/03	Field Methods	DO	9070						NC	NC	NC	NC	NC	ug/L
5/1/03	Field Methods	Fe Hach Ferrous	N/A						NC	NC	NC	NC	NC	ug/L
5/1/03	Field Methods	Fe Hach Total	N/A						NC	NC	NC	NC	NC	ug/L
5/1/03	353.2	Nitrate as N	680				20		NC	NC	NC	NC	10000	ug/L
5/1/03	353.2	Nitrite as N	<10			U	10		NC	NC	NC	NC	1000	ug/L
5/1/03	Field Methods	ORP/Eh3	19200						NC	NC	NC	NC	NC	ug/L
5/1/03	Field Methods	pH	12.61*						NC	NC	NC	NC	NC	pH
5/1/03	9040	pH	6.06				N/A		NC	NC	NC	NC	NC	S.U.
5/1/03	Field Methods	Specific Conductance	230000						NC	NC	NC	NC	NC	ug/L
5/1/03	9038	Sulfate	15000				5000		NC	NC	NC	NC	500000	ug/L
5/1/03	Field Methods	Temperature	10.07						NC	NC	NC	NC	NC	Celsius
5/1/03	160.1	Total Dissolved Solids	226000				1000		NC	NC	NC	NC	NC	ug/L
5/1/03	160.2	Total Suspended Solids	31000				5000		NC	NC	NC	NC	NC	ug/L
5/1/03	Field Methods	Turbidity	2.73						NC	NC	NC	NC	NC	NTU

MW-1041 I

5/5/03	310.1	Alkalinity as CaCO3	51000				1000		NC	NC	NC	NC	NC	ug/L
5/5/03	350.2	Ammonia as N	<300			U	300		NC	NC	NC	NC	NC	ug/L
5/5/03	410.4	Chemical Oxygen Demand	11000				1000		NC	NC	NC	NC	NC	ug/L
5/5/03	325.2	Chloride	4000				3000		NC	NC	NC	NC	NC	ug/L

April 2003
Water Sampling Analytical Results
Barkhamsted - New Hartford Landfill

Only chemicals of concern and detected compounds are reported

Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RL	MDL	Screening Criteria					Units
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL	
General Minerals and Metals Monitoring Parameters in Groundwater														
MW-104 I														
		5/5/03	9050A	Conductivity	151		5		NC	NC	NC	NC	NC	umhos/cm
		5/5/03	Field Methods	DO	5740				NC	NC	NC	NC	NC	ug/L
		5/5/03	Field Methods	Fe Hach Ferrous	N/A				NC	NC	NC	NC	NC	ug/L
		5/5/03	Field Methods	Fe Hach Total	N/A				NC	NC	NC	NC	NC	ug/L
		5/5/03	353.2	Nitrate as N	<20	U	20		NC	NC	NC	NC	10000	ug/L
		5/5/03	353.2	Nitrite as N	10		10		NC	NC	NC	NC	1000	ug/L
		5/5/03	Field Methods	ORP/Eh3	231000				NC	NC	NC	NC	NC	ug/L
		5/5/03	Field Methods	pH	7.5				NC	NC	NC	NC	NC	pH
		5/5/03	9040	pH	7.18		N/A		NC	NC	NC	NC	NC	S.U.
		5/5/03	Field Methods	Specific Conductance	164000				NC	NC	NC	NC	NC	ug/L
		5/5/03	9038	Sulfate	17000		5000		NC	NC	NC	NC	500000	ug/L
		5/5/03	Field Methods	Temperature	11.43				NC	NC	NC	NC	NC	Celsius
		5/5/03	160.1	Total Dissolved Solids	84000		1000		NC	NC	NC	NC	NC	ug/L
		5/5/03	160.2	Total Suspended Solids	<5000	U	5000		NC	NC	NC	NC	NC	ug/L
		5/5/03	Field Methods	Turbidity	2.93				NC	NC	NC	NC	NC	NTU
MW-104B														
		5/5/03	310.1	Alkalinity as CaCO3	53000		1000		NC	NC	NC	NC	NC	ug/L
		5/5/03	350.2	Ammonia as N	<300	U	300		NC	NC	NC	NC	NC	ug/L
		5/5/03	410.4	Chemical Oxygen Demand	13000		1000		NC	NC	NC	NC	NC	ug/L
		5/5/03	325.2	Chloride	<3000	U	3000		NC	NC	NC	NC	NC	ug/L
		5/5/03	9040A	Conductivity	143		5		NC	NC	NC	NC	NC	umhos/cm

April 2003
Water Sampling Analytical Results
Barkhamsted - New Hartford Landfill

Only chemicals of concern and detected compounds are reported

Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RL	MDL	Screening Criteria					Units
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL	

General Minerals and Metals Monitoring Parameters in Groundwater

MW-104B B

5/5/03	Field Methods	DO	3160						NC	NC	NC	NC	NC	ug/L
5/5/03	Field Methods	Fe Hach Ferrous	N/A						NC	NC	NC	NC	NC	ug/L
5/5/03	Field Methods	Fe Hach Total	N/A						NC	NC	NC	NC	NC	ug/L
5/5/03	353.2	Nitrate as N	<20	U	20				NC	NC	NC	NC	10000	ug/L
5/5/03	353.2	Nitrite as N	10		10				NC	NC	NC	NC	1000	ug/L
5/5/03	Field Methods	ORP/Eh3	209000						NC	NC	NC	NC	NC	ug/L
5/5/03	9040	pH	7.24		N/A				NC	NC	NC	NC	NC	S.U.
5/5/03	Field Methods	pH	7.49						NC	NC	NC	NC	NC	pH
5/5/03	Field Methods	Specific Conductance	161000						NC	NC	NC	NC	NC	ug/L
5/5/03	9038	Sulfate	18000		5000				NC	NC	NC	NC	500000	ug/L
5/5/03	Field Methods	Temperature	14.95						NC	NC	NC	NC	NC	Celsius
5/5/03	160.1	Total Dissolved Solids	100000		1000				NC	NC	NC	NC	NC	ug/L
5/5/03	160.2	Total Suspended Solids	<5000	U	5000				NC	NC	NC	NC	NC	ug/L
5/5/03	Field Methods	Turbidity	0						NC	NC	NC	NC	NC	NTU

MW-104S S

5/5/03	310.1	Alkalinity as CaCO3	10000		2000				NC	NC	NC	NC	NC	ug/L
5/5/03	350.2	Ammonia as N	<300	U	300				NC	NC	NC	NC	NC	ug/L
5/5/03	410.4	Chemical Oxygen Demand	12000		1000				NC	NC	NC	NC	NC	ug/L
5/5/03	325.2	Chloride	<3000	U	3000				NC	NC	NC	NC	NC	ug/L
5/5/03	9050A	Conductivity	52		5				NC	NC	NC	NC	NC	umhos/cm
5/5/03	Field Methods	DO	10150						NC	NC	NC	NC	NC	ug/L

April 2003
Water Sampling Analytical Results
Barkhamsted - New Hartford Landfill

Only chemicals of concern and detected compounds are reported

Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RL	MDL	Screening Criteria					Units
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL	

General Minerals and Metals Monitoring Parameters in Groundwater

MW-104S S

5/5/03	Field Methods	Fe Hach Ferrous	N/A						NC	NC	NC	NC	NC	ug/L
5/5/03	Field Methods	Fe Hach Total	N/A						NC	NC	NC	NC	NC	ug/L
5/5/03	353.2	Nitrate as N	<20	U	20				NC	NC	NC	NC	10000	ug/L
5/5/03	353.2	Nitrite as N	10		10				NC	NC	NC	NC	1000	ug/L
5/5/03	Field Methods	ORP/Eh3	228000						NC	NC	NC	NC	NC	ug/L
5/5/03	Field Methods	pH	6.21						NC	NC	NC	NC	NC	pH
5/5/03	9040	pH	6.30				N/A		NC	NC	NC	NC	NC	S.U.
5/5/03	Field Methods	Specific Conductance	53000						NC	NC	NC	NC	NC	ug/L
5/5/03	9038	Sulfate	8000				5000		NC	NC	NC	NC	500000	ug/L
5/5/03	Field Methods	Temperature	11.21						NC	NC	NC	NC	NC	Celsius
5/5/03	160.1	Total Dissolved Solids	36000				1000		NC	NC	NC	NC	NC	ug/L
5/5/03	160.2	Total Suspended Solids	<5000	U	5000				NC	NC	NC	NC	NC	ug/L
5/5/03	Field Methods	Turbidity	3.47						NC	NC	NC	NC	NC	NTU

MW-106S S

5/2/03	310.1	Alkalinity as CaCO3	246000				2000		NC	NC	NC	NC	NC	ug/L
5/2/03	350.2	Ammonia as N	<300	U	300				NC	NC	NC	NC	NC	ug/L
5/2/03	410.4	Chemical Oxygen Demand	21000				1000		NC	NC	NC	NC	NC	ug/L
5/2/03	9250	Chloride	98000				3000		NC	NC	NC	NC	NC	ug/L
5/2/03	9050A	Conductivity	775				5		NC	NC	NC	NC	NC	umhos/cm
5/2/03	Field Methods	DO	2910						NC	NC	NC	NC	NC	ug/L
5/2/03	Field Methods	Fe Hach Ferrous	N/A						NC	NC	NC	NC	NC	ug/L

April 2003
Water Sampling Analytical Results
Barkhamsted - New Hartford Landfill

Only chemicals of concern and detected compounds are reported

Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RL	MDL	Screening Criteria					Units
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL	
General Minerals and Metals Monitoring Parameters in Groundwater														
MW-106S S														
	5/2/03	Field Methods	Fe Hach Total	N/A					NC	NC	NC	NC	NC	ug/L
	5/2/03	353.2	Nitrate as N	20			20		NC	NC	NC	NC	10000	ug/L
	5/2/03	353.2	Nitrite as N	< 10	U		10		NC	NC	NC	NC	1000	ug/L
	5/2/03	Field Methods	ORP/Eh3	-173					NC	NC	NC	NC	NC	ug/L
	5/2/03	Field Methods	pH	5.24					NC	NC	NC	NC	NC	pH
	5/2/03	9040	pH	6.45			N/A		NC	NC	NC	NC	NC	S.U.
	5/2/03	Field Methods	Specific Conductance	647000					NC	NC	NC	NC	NC	ug/L
	5/2/03	9038	Sulfate	18000			5000		NC	NC	NC	NC	500000	ug/L
	5/2/03	Field Methods	Temperature	14.41					NC	NC	NC	NC	NC	Celsius
	5/2/03	160.1	Total Dissolved Solids	498000			1000		NC	NC	NC	NC	NC	ug/L
	5/2/03	160.2	Total Suspended Solids	35000			5000		NC	NC	NC	NC	NC	ug/L
	5/2/03	Field Methods	Turbidity	4.3					NC	NC	NC	NC	NC	NTU
MW-110I I														
	5/5/03	310.1	Alkalinity as CaCO3	318000			4000		NC	NC	NC	NC	NC	ug/L
	5/5/03	350.2	Ammonia as N	<300	U		300		NC	NC	NC	NC	NC	ug/L
	5/5/03	410.4	Chemical Oxygen Demand	34000			1000		NC	NC	NC	NC	NC	ug/L
	5/5/03	325.2	Chloride	141000			3000		NC	NC	NC	NC	NC	ug/L
	5/5/03	9050A	Conductivity	1030			5		NC	NC	NC	NC	NC	umhos/cm
	5/5/03	Field Methods	DO	1500					NC	NC	NC	NC	NC	ug/L
	5/5/03	Field Methods	Fe Hach Ferrous	N/A					NC	NC	NC	NC	NC	ug/L
	5/5/03	Field Methods	Fe Hach Total	N/A					NC	NC	NC	NC	NC	ug/L

April 2003
Water Sampling Analytical Results
Barkhamsted - New Hartford Landfill

Only chemicals of concern and detected compounds are reported

Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RL	MDL	Screening Criteria					Units
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL	

General Minerals and Metals Monitoring Parameters in Groundwater

MW-110 I

5/5/03	353.2	Nitrate as N	30	20	NC	NC	NC	10000	ug/L
5/5/03	353.2	Nitrite as N	10	10	NC	NC	NC	1000	ug/L
5/5/03	Field Methods	ORP/Eh3	-206		NC	NC	NC	NC	ug/L
5/5/03	9040	pH	6.83	N/A	NC	NC	NC	NC	S.U.
5/5/03	Field Methods	pH	6.88		NC	NC	NC	NC	pH
5/5/03	Field Methods	Specific Conductance	770000		NC	NC	NC	NC	ug/L
5/5/03	9038	Sulfate	11000	5000	NC	NC	NC	500000	ug/L
5/5/03	Field Methods	Temperature	9.98		NC	NC	NC	NC	Celsius
5/5/03	160.1	Total Dissolved Solids	602000	1000	NC	NC	NC	NC	ug/L
5/5/03	160.2	Total Suspended Solids	10000	5000	NC	NC	NC	NC	ug/L
5/5/03	Field Methods	Turbidity	0		NC	NC	NC	NC	NTU

MW-111 I

5/7/03	310.1	Alkalinity as CaCO3	282000	2000	NC	NC	NC	NC	ug/L
5/7/03	350.2	Ammonia as N	<300	300	NC	NC	NC	NC	ug/L
5/7/03	410.4	Chemical Oxygen Demand	28000	1000	NC	NC	NC	NC	ug/L
5/7/03	325.2	Chloride	649000	6000	NC	NC	NC	NC	ug/L
5/7/03	9030A	Conductivity	2280	5	NC	NC	NC	NC	umhos/cm
5/7/03	Field Methods	DO	380		NC	NC	NC	NC	ug/L
5/7/03	Field Methods	Fe Hach Ferrous	N/A		NC	NC	NC	NC	ug/L
5/7/03	Field Methods	Fe Hach Total	N/A		NC	NC	NC	NC	ug/L
5/7/03	353.2	Nitrate as N	<20	20	NC	NC	NC	10000	ug/L

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Water Sampling Analytical Results
Barkhamsted - New Hartford Landfill

Only chemicals of concern and detected compounds are reported

Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RL	MDL	Screening Criteria				Units
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL

General Minerals and Metals Monitoring Parameters in Groundwater

MW-111 I

5/7/03	353.2	Nitrite as N	<10	U	10				NC	NC	NC	NC	1000	ug/L
5/7/03	Field Methods	ORP/Eh3	303000						NC	NC	NC	NC	NC	ug/L
5/7/03	9040	pH	6.81		N/A				NC	NC	NC	NC	NC	S.U.
5/7/03	Field Methods	pH	6.17						NC	NC	NC	NC	NC	pH
5/7/03	Field Methods	Specific Conductance	2399000						NC	NC	NC	NC	NC	ug/L
5/7/03	9038	Sulfate	25000		1000				NC	NC	NC	NC	500000	ug/L
5/7/03	Field Methods	Temperature	9.18		1000				NC	NC	NC	NC	NC	Celsius
5/7/03	160.2	Total Dissolved Solids	1810000		1000				NC	NC	NC	NC	NC	ug/L
5/7/03	160.2	Total Suspended Solids	9000		5000				NC	NC	NC	NC	NC	ug/L
5/7/03	Field Methods	Turbidity	2.37						NC	NC	NC	NC	NC	NTU

MW-111B B

5/7/03	310.1	Alkalinity as CaCO3	140000		1000				NC	NC	NC	NC	NC	ug/L
5/7/03	350.2	Ammonia as N	<300	U	300				NC	NC	NC	NC	NC	ug/L
5/7/03	410.4	Chemical Oxygen Demand	17000		1000				NC	NC	NC	NC	NC	ug/L
5/7/03	HACH8000	Chemical Oxygen Demand	15000		1800				NC	NC	NC	NC	NC	ug/L
5/7/03	325.2	Chloride	230000		3000				NC	NC	NC	NC	NC	ug/L
5/7/03	9050A	Conductivity	973		5				NC	NC	NC	NC	NC	umhos/cm
5/7/03	Field Methods	DO	300						NC	NC	NC	NC	NC	ug/L
5/7/03	AM18	Ethane	3.1					0.005	NC	NC	NC	NC	NC	ug/L
5/7/03	AM18	Ethene	0.12					0.005	NC	NC	NC	NC	NC	ug/L
5/7/03	Field Methods	Fe Hach Ferrous	100						NC	NC	NC	NC	NC	ug/L

April 2003
Water Sampling Analytical Results
Barkhamsted - New Hartford Landfill

Only chemicals of concern and detected compounds are reported

Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RL	MDL	Screening Criteria					Units
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL	

General Minerals and Metals Monitoring Parameters in Groundwater

MW-111B B

5/7/03	Field Methods	Fe Hach Total	100						NC	NC	NC	NC	NC	ug/L
5/7/03	Mod. 7199	Ferrous Iron	500 J	J			110		NC	NC	NC	NC	NC	ug/L
5/7/03	AM20GAX	Methane	580				0.008		NC	NC	NC	NC	NC	ug/L
5/7/03	9056	Nitrate	<230	U			230		NC	NC	NC	NC	10000	ug/L
5/7/03	353.2	Nitrate as N	40				20		NC	NC	NC	NC	10000	ug/L
5/7/03	9056	Nitrite	<240	U			240		NC	NC	NC	NC	1000	ug/L
5/7/03	353.2	Nitrite as N	<10	U			10		NC	NC	NC	NC	1000	ug/L
5/7/03	Field Methods	ORP/Eh3	62000						NC	NC	NC	NC	NC	ug/L
5/7/03	9040	pH	6.60				N/A		NC	NC	NC	NC	NC	S.U.
5/7/03	Field Methods	pH	5.99						NC	NC	NC	NC	NC	pH
5/7/03	Field Methods	Specific Conductance	1072000						NC	NC	NC	NC	NC	ug/L
5/7/03	9056	Sulfate	15000				180		NC	NC	NC	NC	500000	ug/L
5/7/03	9038	Sulfate	16000				5000		NC	NC	NC	NC	500000	ug/L
5/7/03	376.1	Sulfide	900 J	J			600		NC	NC	NC	NC	NC	ug/L
5/7/03	Field Methods	Temperature	9.09						NC	NC	NC	NC	NC	Celsius
5/7/03	160.2	Total Dissolved Solids	682000				1000		NC	NC	NC	NC	NC	ug/L
5/7/03	160.2	Total Suspended Solids	12000				5000		NC	NC	NC	NC	NC	ug/L
5/7/03	Field Methods	Turbidity	0.17						NC	NC	NC	NC	NC	NTU

MW-111S S

5/7/03	310.1	Alkalinity as CaCO3	89000				1000		NC	NC	NC	NC	NC	ug/L
5/7/03	350.2	Ammonia as N	<300	U			300		NC	NC	NC	NC	NC	ug/L

April 2003
Water Sampling Analytical Results
Barkhamsted - New Hartford Landfill

Only chemicals of concern and detected compounds are reported

Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RL	MDL	Screening Criteria					Units
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL	
General Minerals and Metals Monitoring Parameters in Groundwater														
MW-111S	S	5/7/03	410.4	Chemical Oxygen Demand	18000		1000		NC	NC	NC	NC	NC	ug/L
		5/7/03	HACH8000	Chemical Oxygen Demand	10000			1800	NC	NC	NC	NC	NC	ug/L
		5/7/03	325.2	Chloride	99000		3000		NC	NC	NC	NC	NC	ug/L
		5/7/03	9050A	Conductivity	526		5		NC	NC	NC	NC	NC	umhos/cm
		5/7/03	Field Methods	DO	1510				NC	NC	NC	NC	NC	ug/L
		5/7/03	AM18	Ethane	0.02			0.005	NC	NC	NC	NC	NC	ug/L
		5/7/03	AM18	Ethene	<0.005	U		0.005	NC	NC	NC	NC	NC	ug/L
		5/7/03	Field Methods	Fe Hach Ferrous	200				NC	NC	NC	NC	NC	ug/L
		5/7/03	Field Methods	Fe Hach Total	200				NC	NC	NC	NC	NC	ug/L
		5/7/03	Mod_7199	Ferrous Iron	1000			110	NC	NC	NC	NC	NC	ug/L
		5/7/03	AM20GAX	Methane	13			0.008	NC	NC	NC	NC	NC	ug/L
		5/7/03	9056	Nitrate	<230	U		230	NC	NC	NC	NC	10000	ug/L
		5/7/03	353.2	Nitrate as N	170		20		NC	NC	NC	NC	10000	ug/L
		5/7/03	9056	Nitrite	<240	U		240	NC	NC	NC	NC	1000	ug/L
		5/7/03	353.2	Nitrite as N	<10	U	10		NC	NC	NC	NC	1000	ug/L
5/7/03	Field Methods	ORP/Eh3	328000				NC	NC	NC	NC	NC	ug/L		
5/7/03	9040	pH	6.56		N/A		NC	NC	NC	NC	NC	S.U.		
5/7/03	Field Methods	pH	6.41				NC	NC	NC	NC	NC	pH		
5/7/03	Field Methods	Specific Conductance	533000				NC	NC	NC	NC	NC	ug/L		
5/7/03	9056	Sulfate	15000			180	NC	NC	NC	NC	500000	ug/L		
5/7/03	9038	Sulfate	16000			5000	NC	NC	NC	NC	500000	ug/L		

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Water Sampling Analytical Results
Barkhamsted - New Hartford Landfill

Only chemicals of concern and detected compounds are reported

Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RL	MDL	Screening Criteria					Units
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL	

General Minerals and Metals Monitoring Parameters in Groundwater

MW-111S S

5/7/03	376.1		Sulfide	700 J	J			600	NC	NC	NC	NC	NC	ug/L
5/7/03	Field Methods		Temperature	14.42					NC	NC	NC	NC	NC	Celsius
5/7/03	160.2		Total Dissolved Solids	304000			1000		NC	NC	NC	NC	NC	ug/L
5/7/03	160.2		Total Suspended Solids	<5000	U		5000		NC	NC	NC	NC	NC	ug/L
5/7/03	Field Methods		Turbidity	0.41					NC	NC	NC	NC	NC	NTU

MW-112B B

5/5/03	310.1		Alkalinity as CaCO3	30000			2000		NC	NC	NC	NC	NC	ug/L
5/5/03	350.2		Ammonia as N	<300	U		300		NC	NC	NC	NC	NC	ug/L
5/6/03	HACH8000		Chemical Oxygen Demand	5300			1800		NC	NC	NC	NC	NC	ug/L
5/5/03	410.4		Chemical Oxygen Demand	16000			1000		NC	NC	NC	NC	NC	ug/L
5/5/03	325.2		Chloride	<3000	U		3000		NC	NC	NC	NC	NC	ug/L
5/5/03	9050A		Conductivity	69			5		NC	NC	NC	NC	NC	umhos/cm
5/6/03	Field Methods		DO	10090					NC	NC	NC	NC	NC	ug/L
5/6/03	AM18		Ethane	<0.005	U			0.005	NC	NC	NC	NC	NC	ug/L
5/6/03	AM18		Ethene	0.023				0.005	NC	NC	NC	NC	NC	ug/L
5/6/03	Field Methods		Fe Hach Ferrous	0					NC	NC	NC	NC	NC	ug/L
5/6/03	Field Methods		Fe Hach Total	0					NC	NC	NC	NC	NC	ug/L
5/6/03	Mod. 7199		Ferrous Iron	1000				110	NC	NC	NC	NC	NC	ug/L
5/6/03	AM20GAX		Methane	0.24				0.008	NC	NC	NC	NC	NC	ug/L
5/6/03	9056		Nitrate	<230	U			230	NC	NC	NC	NC	10000	ug/L
5/5/03	353.2		Nitrate as N	<20	U		20		NC	NC	NC	NC	10000	ug/L

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Water Sampling Analytical Results
Barkhamsted - New Hartford Landfill

Only chemicals of concern and detected compounds are reported

Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RI	MDL	Screening Criteria					Units
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL	

General Minerals and Metals Monitoring Parameters in Groundwater

MW-112B B

5/6/03	9056		Nitrite	<240	U			240	NC	NC	NC	NC	1000	ug/L
5/5/03	353.2		Nitrite as N	10			10		NC	NC	NC	NC	1000	ug/L
5/6/03	Field Methods		ORP/Eh3	-182					NC	NC	NC	NC	NC	ug/L
5/6/03	Field Methods		pH	7.42					NC	NC	NC	NC	NC	pH
5/5/03	9040		pH	7.48			N/A		NC	NC	NC	NC	NC	S.U.
5/6/03	Field Methods		Specific Conductance	44000					NC	NC	NC	NC	NC	ug/L
5/5/03	9038		Sulfate	<5000	U		5000		NC	NC	NC	NC	500000	ug/L
5/6/03	9056		Sulfate	5300				180	NC	NC	NC	NC	500000	ug/L
5/6/03	376.1		Sulfide	700 J	J			600	NC	NC	NC	NC	NC	ug/L
5/6/03	Field Methods		Temperature	7.92					NC	NC	NC	NC	NC	Celsius
5/5/03	160.1		Total Dissolved Solids	36000			1000		NC	NC	NC	NC	NC	ug/L
5/5/03	160.2		Total Suspended Solids	<5000	U		5000		NC	NC	NC	NC	NC	ug/L
5/6/03	Field Methods		Turbidity	4.8					NC	NC	NC	NC	NC	NTU

MW-112S S

5/6/03	310.1		Alkalinity as CaCO3	36000			2000		NC	NC	NC	NC	NC	ug/L
5/6/03	350.2		Ammonia as N	<300	U		300		NC	NC	NC	NC	NC	ug/L
5/6/03	HACH8000		Chemical Oxygen Demand	5000				1800	NC	NC	NC	NC	NC	ug/L
5/6/03	410.4		Chemical Oxygen Demand	13000			1000		NC	NC	NC	NC	NC	ug/L
5/6/03	325.2		Chloride	<3000	U		3000		NC	NC	NC	NC	NC	ug/L
5/6/03	9050A		Conductivity	87			5		NC	NC	NC	NC	NC	umhos/cm
5/6/03	Field Methods		DO	8390					NC	NC	NC	NC	NC	ug/L

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Water Sampling Analytical Results
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Only chemicals of concern and detected compounds are reported

Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RL	MDL	Screening Criteria					Units
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL	
General Minerals and Metals Monitoring Parameters in Groundwater														
MW-112S S														
		5/6/03	AM18	Ethane	0.0082			0.005	NC	NC	NC	NC	NC	ug/L
		5/6/03	AM18	Ethene	0.015			0.005	NC	NC	NC	NC	NC	ug/L
		5/6/03	Field Methods	Fe Hach Ferrous	0				NC	NC	NC	NC	NC	ug/L
		5/6/03	Field Methods	Fe Hach Total	0				NC	NC	NC	NC	NC	ug/L
		5/6/03	Mod_7199	Ferrous Iron	1000			110	NC	NC	NC	NC	NC	ug/L
		5/6/03	AM20GAX	Methane	0.21			0.008	NC	NC	NC	NC	NC	ug/L
		5/6/03	9056	Nitrate	490 J	J		230	NC	NC	NC	NC	10000	ug/L
		5/6/03	353.2	Nitrate as N	70		20		NC	NC	NC	NC	10000	ug/L
		5/6/03	9056	Nitrite	<240	U		240	NC	NC	NC	NC	1000	ug/L
		5/6/03	353.2	Nitrite as N	<10	U	10		NC	NC	NC	NC	1000	ug/L
		5/6/03	Field Methods	ORP/Eh3	-176				NC	NC	NC	NC	NC	ug/L
		5/6/03	Field Methods	pH	6.7				NC	NC	NC	NC	NC	pH
		5/6/03	9040	pH	6.41		N/A		NC	NC	NC	NC	NC	S.U.
		5/6/03	Field Methods	Specific Conductance	57000				NC	NC	NC	NC	NC	ug/L
		5/6/03	9056	Sulfate	7400			180	NC	NC	NC	NC	500000	ug/L
		5/6/03	9038	Sulfate	7000		5000		NC	NC	NC	NC	500000	ug/L
		5/6/03	376.1	Sulfide	2000			600	NC	NC	NC	NC	NC	ug/L
		5/6/03	Field Methods	Temperature	8.12				NC	NC	NC	NC	NC	Celsius
		5/6/03	160.2	Total Dissolved Solids	88000		1000		NC	NC	NC	NC	NC	ug/L
		5/6/03	160.2	Total Suspended Solids	15000		5000		NC	NC	NC	NC	NC	ug/L
		5/6/03	Field Methods	Turbidity	40				NC	NC	NC	NC	NC	NTU

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Water Sampling Analytical Results
Barkhamsted - New Hartford Landfill

Only chemicals of concern and detected compounds are reported

Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RL	MDL	Screening Criteria					Units
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL	
General Minerals and Metals Monitoring Parameters in Groundwater														
MW-113B B		5/5/03	310.1	Alkalinity as CaCO3	51000		1000		NC	NC	NC	NC	NC	ug/L
		5/5/03	350.2	Ammonia as N	<300	U	300		NC	NC	NC	NC	NC	ug/L
		5/6/03	HACH8000	Chemical Oxygen Demand	5000			1800	NC	NC	NC	NC	NC	ug/L
		5/5/03	410.4	Chemical Oxygen Demand	11000		1000		NC	NC	NC	NC	NC	ug/L
		5/5/03	325.2	Chloride	<3000	U	3000		NC	NC	NC	NC	NC	ug/L
		5/5/03	9050A	Conductivity	129		5		NC	NC	NC	NC	NC	umhos/cm
		5/6/03	Field Methods	DO	1310				NC	NC	NC	NC	NC	ug/L
		5/6/03	AM18	Ethane	0.009			0.005	NC	NC	NC	NC	NC	ug/L
		5/6/03	AM18	Ethene	0.01			0.005	NC	NC	NC	NC	NC	ug/L
		5/6/03	Field Methods	Fe Hach Ferrous	0				NC	NC	NC	NC	NC	ug/L
		5/6/03	Field Methods	Fe Hach Total	0				NC	NC	NC	NC	NC	ug/L
		5/6/03	Mod_7199	Ferrous Iron	1000			110	NC	NC	NC	NC	NC	ug/L
		5/6/03	AM20GAX	Methane	0.22			0.008	NC	NC	NC	NC	NC	ug/L
		5/6/03	9056	Nitrate	550			230	NC	NC	NC	NC	10000	ug/L
		5/5/03	353.2	Nitrate as N	<20	U	20		NC	NC	NC	NC	10000	ug/L
		5/6/03	9056	Nitrite	<240	U		240	NC	NC	NC	NC	1000	ug/L
		5/5/03	353.2	Nitrite as N	30		10		NC	NC	NC	NC	1000	ug/L
		5/6/03	Field Methods	ORP/Eh3	191000				NC	NC	NC	NC	NC	ug/L
		5/5/03	9040	pH	8.20		N/A		NC	NC	NC	NC	NC	S.U.
		5/6/03	Field Methods	pH	8.2				NC	NC	NC	NC	NC	pH
		5/6/03	Field Methods	Specific Conductance	126000				NC	NC	NC	NC	NC	ug/L

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Water Sampling Analytical Results
Barkhamsted - New Hartford Landfill

Only chemicals of concern and detected compounds are reported

Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RL	MDL	Screening Criteria				Units
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL

General Minerals and Metals Monitoring Parameters in Groundwater

MW-113B B

5/5/03	9038	Sulfate	17000				5000		NC	NC	NC	NC	500000	ug/L
5/6/03	9056	Sulfate	12000					180	NC	NC	NC	NC	500000	ug/L
5/6/03	376.1	Sulfide	1300 J			J		600	NC	NC	NC	NC	NC	ug/L
5/6/03	Field Methods	Temperature	10.27						NC	NC	NC	NC	NC	Celsius
5/5/03	160.1	Total Dissolved Solids	76000				1000		NC	NC	NC	NC	NC	ug/L
5/5/03	160.2	Total Suspended Solids	105000				5000		NC	NC	NC	NC	NC	ug/L
5/6/03	Field Methods	Turbidity	28.5						NC	NC	NC	NC	NC	NTU

MW-113S S

5/6/03	310.1	Alkalinity as CaCO3	51000				1000		NC	NC	NC	NC	NC	ug/L
5/6/03	350.2	Ammonia as N	<300			U	300		NC	NC	NC	NC	NC	ug/L
5/6/03	410.4	Chemical Oxygen Demand	11000				1000		NC	NC	NC	NC	NC	ug/L
5/6/03	HACH8000	Chemical Oxygen Demand	5000					1800	NC	NC	NC	NC	NC	ug/L
5/6/03	325.2	Chloride	<3000			U	3000		NC	NC	NC	NC	NC	ug/L
5/6/03	9050A	Conductivity	133				5		NC	NC	NC	NC	NC	umhos/cm
5/6/03	Field Methods	DO	2610						NC	NC	NC	NC	NC	ug/L
5/6/03	AM18	Ethane	0.0062					0.005	NC	NC	NC	NC	NC	ug/L
5/6/03	AM18	Ethene	0.012					0.005	NC	NC	NC	NC	NC	ug/L
5/6/03	Field Methods	Fe Hach Ferrous	0						NC	NC	NC	NC	NC	ug/L
5/6/03	Field Methods	Fe Hach Total	0						NC	NC	NC	NC	NC	ug/L
5/6/03	Mod_7199	Ferrous Iron	1000					110	NC	NC	NC	NC	NC	ug/L
5/6/03	AM20GAX	Methane	0.16					0.008	NC	NC	NC	NC	NC	ug/L

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Water Sampling Analytical Results
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Only chemicals of concern and detected compounds are reported

Well Location	Depth	Sample Date	Method	Analyte	Result	Qualified	RL	MDL	Screening Criteria				Units
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL

General Minerals and Metals Monitoring Parameters in Groundwater

MW-113S S

5/6/03	9056	Nitrate	630					230	NC	NC	NC	NC	10000	ug/L
5/6/03	353.2	Nitrate as N	110				20		NC	NC	NC	NC	10000	ug/L
5/6/03	9056	Nitrite	<240		U			240	NC	NC	NC	NC	1000	ug/L
5/6/03	353.2	Nitrite as N	<10		U		10		NC	NC	NC	NC	1000	ug/L
5/6/03	Field Methods	ORP/Eh3	202000						NC	NC	NC	NC	NC	ug/L
5/6/03	9040	pH	7.94				N/A		NC	NC	NC	NC	NC	S.U.
5/6/03	Field Methods	pH	8.58						NC	NC	NC	NC	NC	pH
5/6/03	Field Methods	Specific Conductance	131000						NC	NC	NC	NC	NC	ug/L
5/6/03	9038	Sulfate	11000				5000		NC	NC	NC	NC	500000	ug/L
5/6/03	9056	Sulfate	12000					180	NC	NC	NC	NC	500000	ug/L
5/6/03	376.1	Sulfide	900 J		J			600	NC	NC	NC	NC	NC	ug/L
5/6/03	Field Methods	Temperature	11.43						NC	NC	NC	NC	NC	Celsius
5/6/03	160.2	Total Dissolved Solids	120000				1000		NC	NC	NC	NC	NC	ug/L
5/6/03	160.2	Total Suspended Solids	9000				5000		NC	NC	NC	NC	NC	ug/L
5/6/03	Field Methods	Turbidity	2.13						NC	NC	NC	NC	NC	NTU

MW-115B B

5/1/03	310.1	Alkalinity as CaCO3	48000				2000		NC	NC	NC	NC	NC	ug/L
5/1/03	350.2	Ammonia as N	<300		U				NC	NC	NC	NC	NC	ug/L
5/1/03	410.4	Chemical Oxygen Demand	14000				1000		NC	NC	NC	NC	NC	ug/L
5/1/03	9250	Chloride	<3000		U		3000		NC	NC	NC	NC	NC	ug/L
5/1/03	9050A	Conductivity	128				5		NC	NC	NC	NC	NC	umhos/cm

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Water Sampling Analytical Results
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Only chemicals of concern and detected compounds are reported

Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RL	MDL	Screening Criteria					Units
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL	

General Minerals and Metals Monitoring Parameters in Groundwater

MW-115B B

5/1/03	Field Methods	DO	2310						NC	NC	NC	NC	NC	ug/L
5/1/03	Field Methods	Fe Hach Ferrous	N/A						NC	NC	NC	NC	NC	ug/L
5/1/03	Field Methods	Fe Hach Total	N/A						NC	NC	NC	NC	NC	ug/L
5/1/03	353.2	Nitrate as N	70				20		NC	NC	NC	NC	10000	ug/L
5/1/03	353.2	Nitrite as N	<10			U	10		NC	NC	NC	NC	1000	ug/L
5/1/03	Field Methods	ORP/Eh3	-157						NC	NC	NC	NC	NC	ug/L
5/1/03	904	pH	6.31				N/A		NC	NC	NC	NC	NC	S.U.
5/1/03	Field Methods	pH	6.53						NC	NC	NC	NC	NC	pH
5/1/03	Field Methods	Specific Conductance	91000						NC	NC	NC	NC	NC	ug/L
5/1/03	9038	Sulfate	15000				5000		NC	NC	NC	NC	500000	ug/L
5/1/03	Field Methods	Temperature	11.13						NC	NC	NC	NC	NC	Celsius
5/1/03	160.1	Total Dissolved Solids	142000				1000		NC	NC	NC	NC	NC	ug/L
5/1/03	160.2	Total Suspended Solids	30000				5000		NC	NC	NC	NC	NC	ug/L
5/1/03	Field Methods	Turbidity	9.7						NC	NC	NC	NC	NC	NTU

MW-115S S

5/2/03	310.1	Alkalinity as CaCO3	11000				2000		NC	NC	NC	NC	NC	ug/L
5/2/03	350.2	Ammonia as N	< 300			U	300		NC	NC	NC	NC	NC	ug/L
5/2/03	410.4	Chemical Oxygen Demand	14000				1000		NC	NC	NC	NC	NC	ug/L
5/2/03	9250	Chloride	<3000			U	3000		NC	NC	NC	NC	NC	ug/L
5/2/03	9050A	Conductivity	67				5		NC	NC	NC	NC	NC	umhos/cm
5/2/03	Field Methods	DO	8290						NC	NC	NC	NC	NC	ug/L

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Water Sampling Analytical Results
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Only chemicals of concern and detected compounds are reported

Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RL	MDL	Screening Criteria					Units
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL	

General Minerals and Metals Monitoring Parameters in Groundwater

MW-115S S

5/2/03	Field Methods	Fe Hach Ferrous	N/A						NC	NC	NC	NC	NC	ug/L
5/2/03	Field Methods	Fe Hach Total	N/A						NC	NC	NC	NC	NC	ug/L
5/2/03	353.2	Nitrate as N	110	20					NC	NC	NC	NC	10000	ug/L
5/2/03	353.2	Nitrite as N	< 10	10	U				NC	NC	NC	NC	1000	ug/L
5/2/03	Field Methods	ORP/Eh3	516000						NC	NC	NC	NC	NC	ug/L
5/2/03	9040	pH	6.30	N/A					NC	NC	NC	NC	NC	S.U.
5/2/03	Field Methods	pH	4.98						NC	NC	NC	NC	NC	pH
5/2/03	Field Methods	Specific Conductance	45000						NC	NC	NC	NC	NC	ug/L
5/2/03	9038	Sulfate	15000	5000					NC	NC	NC	NC	500000	ug/L
5/2/03	Field Methods	Temperature	9.29						NC	NC	NC	NC	NC	Celsius
5/2/03	160.1	Total Dissolved Solids	94000	1000					NC	NC	NC	NC	NC	ug/L
5/2/03	160.2	Total Suspended Solids	< 5000	5000	U				NC	NC	NC	NC	NC	ug/L
5/2/03	Field Methods	Turbidity	3.55						NC	NC	NC	NC	NC	NTU

MW-15 S

5/5/03	310.1	Alkalinity as CaCO3	1450000	1000					NC	NC	NC	NC	NC	ug/L
5/5/03	350.2	Ammonia as N	335000	6000					NC	NC	NC	NC	NC	ug/L
5/5/03	410.4	Chemical Oxygen Demand	615000	1000					NC	NC	NC	NC	NC	ug/L
5/5/03	325.2	Chloride	1670000	3000					NC	NC	NC	NC	NC	ug/L
5/5/03	9040A	Conductivity	7210	5					NC	NC	NC	NC	NC	umhos/cm
5/5/03	Field Methods	DO	2310						NC	NC	NC	NC	NC	ug/L
5/5/03	Field Methods	Fe Hach Ferrous	N/A						NC	NC	NC	NC	NC	ug/L

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Water Sampling Analytical Results
Barkhamsted - New Hartford Landfill

Only chemicals of concern and detected compounds are reported

Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RL	MDL	Screening Criteria				Units
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL

General Minerals and Metals Monitoring Parameters in Groundwater

MW-1S S

5/5/03	Field Methods	Fe Hach Total	N/A						NC	NC	NC	NC	NC	ug/L
5/5/03	353.2	Nitrate as N	<20	U	20				NC	NC	NC	NC	10000	ug/L
5/5/03	353.2	Nitrite as N	10		10				NC	NC	NC	NC	1000	ug/L
5/5/03	Field Methods	ORP/Eh3	-207						NC	NC	NC	NC	NC	ug/L
5/5/03	Field Methods	pH	6.7						NC	NC	NC	NC	NC	pH
5/5/03	9040	pH	6.85		N/A				NC	NC	NC	NC	NC	S.U.
5/5/03	Field Methods	Specific Conductance	6154000						NC	NC	NC	NC	NC	ug/L
5/5/03	9038	Sulfate	<5000	U	5000				NC	NC	NC	NC	500000	ug/L
5/5/03	Field Methods	Temperature	14.92						NC	NC	NC	NC	NC	Celsius
5/5/03	160.1	Total Dissolved Solids	3470000						NC	NC	NC	NC	NC	ug/L
5/5/03	160.2	Total Suspended Solids	13000						NC	NC	NC	NC	NC	ug/L
5/5/03	Field Methods	Turbidity	5						NC	NC	NC	NC	NC	NTU

MW-1S * S Dup

5/5/03	310.1	Alkalinity as CaCO3	1430000						NC	NC	NC	NC	NC	ug/L
5/5/03	350.2	Ammonia as N	300000						NC	NC	NC	NC	NC	ug/L
5/5/03	410.4	Chemical Oxygen Demand	638000						NC	NC	NC	NC	NC	ug/L
5/5/03	325.2	Chloride	1630000						NC	NC	NC	NC	NC	ug/L
5/5/03	9040A	Conductivity	7000						NC	NC	NC	NC	NC	umhos/cm
5/5/03	353.2	Nitrate as N	<20	U	20				NC	NC	NC	NC	10000	ug/L
5/5/03	353.2	Nitrite as N	<10	U	10				NC	NC	NC	NC	1000	ug/L
5/5/03	9040	pH	6.82		N/A				NC	NC	NC	NC	NC	S.U.

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Water Sampling Analytical Results
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Only chemicals of concern and detected compounds are reported

Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RL	MDL	Screening Criteria					Units
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL	
General Minerals and Metals Monitoring Parameters in Groundwater														
MW-1S *	S	Dup												
		5/5/03	9038	Sulfate	<5000	U	5000		NC	NC	NC	NC	500000	ug/L
		5/5/03	160.1	Total Dissolved Solids	3230000		1000		NC	NC	NC	NC	NC	ug/L
		5/5/03	160.2	Total Suspended Solids	26000		5000		NC	NC	NC	NC	NC	ug/L
MW-4S	S													
		5/5/03	310.1	Alkalinity as CaCO3	488000		4000		NC	NC	NC	NC	NC	ug/L
		5/5/03	350.2	Ammonia as N	5600		3000		NC	NC	NC	NC	NC	ug/L
		5/5/03	410.4	Chemical Oxygen Demand	133000		1000		NC	NC	NC	NC	NC	ug/L
		5/5/03	325.2	Chloride	602000		3000		NC	NC	NC	NC	NC	ug/L
		5/5/03	9050A	Conductivity	2610		5		NC	NC	NC	NC	NC	umhos/cm
		5/5/03	Field Methods	DO	2700				NC	NC	NC	NC	NC	ug/L
		5/5/03	Field Methods	Fe Hach Ferrous	N/A				NC	NC	NC	NC	NC	ug/L
		5/5/03	Field Methods	Fe Hach Total	N/A				NC	NC	NC	NC	NC	ug/L
		5/5/03	353.2	Nitrate as N	<20	U	20		NC	NC	NC	NC	10000	ug/L
		5/5/03	353.2	Nitrite as N	20		10		NC	NC	NC	NC	1000	ug/L
		5/5/03	Field Methods	ORP/Eh3	-191				NC	NC	NC	NC	NC	ug/L
		5/5/03	Field Methods	pH	6.51				NC	NC	NC	NC	NC	pH
		5/5/03	9040	pH	6.52		N/A		NC	NC	NC	NC	NC	S.U.
		5/5/03	Field Methods	Specific Conductance	2162000				NC	NC	NC	NC	NC	ug/L
		5/5/03	9038	Sulfate	<5000	U	5000		NC	NC	NC	NC	500000	ug/L
		5/5/03	Field Methods	Temperature	14.86				NC	NC	NC	NC	NC	Celsius
		5/5/03	160.1	Total Dissolved Solids	1710000		1000		NC	NC	NC	NC	NC	ug/L

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Water Sampling Analytical Results
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Only chemicals of concern and detected compounds are reported

Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RL	MDL	Screening Criteria					Units
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL	
General Minerals and Metals Monitoring Parameters in Groundwater														
MW-4S	S	5/5/03	160.2	Total Suspended Solids	54000		5000		NC	NC	NC	NC	NC	ug/L
		5/5/03	Field Methods	Turbidity	4				NC	NC	NC	NC	NC	NTU
MW-5B	B	5/6/03	310.1	Alkalinity as CaCO3	264000		2000		NC	NC	NC	NC	NC	ug/L
		5/6/03	350.2	Ammonia as N	<300	U	300		NC	NC	NC	NC	NC	ug/L
		5/6/03	410.4	Chemical Oxygen Demand	42000		1000		NC	NC	NC	NC	NC	ug/L
		5/6/03	HACH8000	Chemical Oxygen Demand	27000		1800		NC	NC	NC	NC	NC	ug/L
		5/6/03	325.2	Chloride	289000		3000		NC	NC	NC	NC	NC	ug/L
		5/6/03	9050A	Conductivity	1290		5		NC	NC	NC	NC	NC	umhos/cm
		5/6/03	Field Methods	DO	1050				NC	NC	NC	NC	NC	ug/L
		5/6/03	AM18	Ethane	4.1		0.005		NC	NC	NC	NC	NC	ug/L
		5/6/03	AM18	Ethene	2.4		0.005		NC	NC	NC	NC	NC	ug/L
		5/6/03	Field Methods	Fe Hach Ferrous	1400				NC	NC	NC	NC	NC	ug/L
		5/6/03	Field Methods	Fe Hach Total	1500				NC	NC	NC	NC	NC	ug/L
		5/6/03	Mod. 7199	Ferrous Iron	2000			110	NC	NC	NC	NC	NC	ug/L
		5/6/03	AM20GAX	Methane	2800		0.008		NC	NC	NC	NC	NC	ug/L
		5/6/03	9056	Nitrate	<230	U		230	NC	NC	NC	NC	10000	ug/L
		5/6/03	353.2	Nitrate as N	70		20		NC	NC	NC	NC	10000	ug/L
		5/6/03	9056	Nitrite	<240	U		240	NC	NC	NC	NC	1000	ug/L
		5/6/03	353.2	Nitrite as N	< 10	U	10		NC	NC	NC	NC	1000	ug/L
		5/6/03	Field Methods	ORP/Eh3	-210				NC	NC	NC	NC	NC	ug/L

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Water Sampling Analytical Results
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Only chemicals of concern and detected compounds are reported

Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RL	MDL	Screening Criteria					Units
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL	
General Minerals and Metals Monitoring Parameters in Groundwater														
MW-5B	B													
		5/6/03	9040	pH	7.02		N/A		NC	NC	NC	NC	NC	S.U.
		5/6/03	Field Methods	pH	7.12				NC	NC	NC	NC	NC	pH
		5/6/03	Field Methods	Specific Conductance	952000				NC	NC	NC	NC	NC	ug/L
		5/6/03	9038	Sulfate	< 5000	U	5000		NC	NC	NC	NC	500000	ug/L
		5/6/03	9056	Sulfate	9900			180	NC	NC	NC	NC	500000	ug/L
		5/6/03	376.1	Sulfide	2000			600	NC	NC	NC	NC	NC	ug/L
		5/6/03	Field Methods	Temperature	9.6				NC	NC	NC	NC	NC	Celsius
		5/6/03	160.2	Total Dissolved Solids	1040000		1000		NC	NC	NC	NC	NC	ug/L
		5/6/03	160.2	Total Suspended Solids	9000		5000		NC	NC	NC	NC	NC	ug/L
		5/6/03	Field Methods	Turbidity	20				NC	NC	NC	NC	NC	NTU
MW-5S	S													
		5/7/03	310.1	Alkalinity as CaCO3	244000		1000		NC	NC	NC	NC	NC	ug/L
		5/7/03	350.2	Ammonia as N	17400		7500		NC	NC	NC	NC	NC	ug/L
		5/7/03	410.4	Chemical Oxygen Demand	44000		1000		NC	NC	NC	NC	NC	ug/L
		5/7/03	HACH8000	Chemical Oxygen Demand	40000			1800	NC	NC	NC	NC	NC	ug/L
		5/7/03	325.2	Chloride	256000		3000		NC	NC	NC	NC	NC	ug/L
		5/7/03	9050A	Conductivity	1250		5		NC	NC	NC	NC	NC	umhos/cm
		5/7/03	Field Methods	DO	1110				NC	NC	NC	NC	NC	ug/L
		5/7/03	AM18	Ethane	3.4			0.005	NC	NC	NC	NC	NC	ug/L
		5/7/03	AM18	Ethene	0.029			0.005	NC	NC	NC	NC	NC	ug/L
		5/7/03	Field Methods	Fe Hach Ferrous	3800				NC	NC	NC	NC	NC	ug/L

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Water Sampling Analytical Results
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Only chemicals of concern and detected compounds are reported

Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RL	MDL	Screening Criteria					Units
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL	

General Minerals and Metals Monitoring Parameters in Groundwater

MW-5S S

5/7/03	Field Methods	Fe Hach Total	5400						NC	NC	NC	NC	NC	ug/L
5/7/03	Mod_7199	Ferrous Iron	18000					110	NC	NC	NC	NC	NC	ug/L
5/7/03	AM20GAX	Methane	7100					0.008	NC	NC	NC	NC	NC	ug/L
5/7/03	9056	Nitrate	<230		U			230	NC	NC	NC	NC	10000	ug/L
5/7/03	353.2	Nitrate as N	590				20		NC	NC	NC	NC	10000	ug/L
5/7/03	9056	Nitrite	<240		U			240	NC	NC	NC	NC	1000	ug/L
5/7/03	353.2	Nitrite as N	20				10		NC	NC	NC	NC	1000	ug/L
5/7/03	Field Methods	ORP/Eh3	-225						NC	NC	NC	NC	NC	ug/L
5/7/03	Field Methods	pH	6.49						NC	NC	NC	NC	NC	pH
5/7/03	9040	pH	6.46				N/A		NC	NC	NC	NC	NC	S.U.
5/7/03	Field Methods	Specific Conductance	960000						NC	NC	NC	NC	NC	ug/L
5/7/03	9056	Sulfate	<180		U			180	NC	NC	NC	NC	500000	ug/L
5/7/03	9038	Sulfate	<5000		U			5000	NC	NC	NC	NC	500000	ug/L
5/7/03	376.1	Sulfide	700 J		J			600	NC	NC	NC	NC	NC	ug/L
5/7/03	Field Methods	Temperature	9.16						NC	NC	NC	NC	NC	Celsius
5/7/03	160.2	Total Dissolved Solids	656000					1000	NC	NC	NC	NC	NC	ug/L
5/7/03	160.2	Total Suspended Solids	19000					5000	NC	NC	NC	NC	NC	ug/L
5/7/03	Field Methods	Turbidity	5.21						NC	NC	NC	NC	NC	NTU

MW-5S * S Dup

5/7/03	310.1	Alkalinity as CaCO3	248000					2000	NC	NC	NC	NC	NC	ug/L
5/7/03	350.2	Ammonia as N	14500					7500	NC	NC	NC	NC	NC	ug/L

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Water Sampling Analytical Results
Barkhamsted - New Hartford Landfill

Only chemicals of concern and detected compounds are reported

Well Location	Depth	Sample Date	Method	Analyte	Result	Qualified	RL	MDL	Screening Criteria				Units
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL

General Minerals and Metals Monitoring Parameters in Groundwater

MW-5S * S Dup

5/7/03	410.4	Chemical Oxygen Demand	41000				1000		NC	NC	NC	NC	NC	ug/L
5/7/03	HACH8000	Chemical Oxygen Demand	46000				1800		NC	NC	NC	NC	NC	ug/L
5/7/03	325.2	Chloride	258000				3000		NC	NC	NC	NC	NC	ug/L
5/7/03	9050A	Conductivity	1280				5		NC	NC	NC	NC	NC	umhos/cm
5/7/03	AM18	Ethane	3.8					0.005	NC	NC	NC	NC	NC	ug/L
5/7/03	AM18	Ethene	0.031					0.005	NC	NC	NC	NC	NC	ug/L
5/7/03	Mod_7199	Ferrous Iron	18000					110	NC	NC	NC	NC	NC	ug/L
5/7/03	AM20GAX	Methane	7600					0.008	NC	NC	NC	NC	NC	ug/L
5/7/03	9056	Nitrate	<230			U		230	NC	NC	NC	NC	10000	ug/L
5/7/03	353.2	Nitrate as N	450			U	20		NC	NC	NC	NC	10000	ug/L
5/7/03	9056	Nitrite	<240			U		240	NC	NC	NC	NC	1000	ug/L
5/7/03	353.2	Nitrite as N	20				10		NC	NC	NC	NC	1000	ug/L
5/7/03	9040	pH	6.45				N/A		NC	NC	NC	NC	NC	S.U.
5/7/03	9038	Sulfate	<5000			U	5000		NC	NC	NC	NC	500000	ug/L
5/7/03	9056	Sulfate	<180			U		180	NC	NC	NC	NC	500000	ug/L
5/7/03	376.1	Sulfide	700 J			J		600	NC	NC	NC	NC	NC	ug/L
5/7/03	160.2	Total Dissolved Solids	696000				1000		NC	NC	NC	NC	NC	ug/L
5/7/03	160.2	Total Suspended Solids	18000				5000		NC	NC	NC	NC	NC	ug/L
S-3 S														
5/2/03	310.1	Alkalinity as CaCO3	262000				2000		NC	NC	NC	NC	NC	ug/L
5/2/03	350.2	Ammonia as N	19100				6000		NC	NC	NC	NC	NC	ug/L

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Water Sampling Analytical Results
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Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RL	MDL	Screening Criteria					Units
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL	

General Minerals and Metals Monitoring Parameters in Groundwater

S-3	S	5/2/03	410.4	Chemical Oxygen Demand	50000		1000		NC	NC	NC	NC	NC	ug/L
		5/2/03	9250	Chloride	133000		1200		NC	NC	NC	NC	NC	ug/L
		5/2/03	9050A	Conductivity	909		5		NC	NC	NC	NC	NC	umhos/cm
		5/2/03	Field Methods	DO	4270				NC	NC	NC	NC	NC	ug/L
		5/2/03	Field Methods	Fe Hach Ferrous	N/A				NC	NC	NC	NC	NC	ug/L
		5/2/03	Field Methods	Fe Hach Total	N/A				NC	NC	NC	NC	NC	ug/L
		5/2/03	353.2	Nitrate as N	970		80		NC	NC	NC	NC	10000	ug/L
		5/2/03	353.2	Nitrite as N	20		10		NC	NC	NC	NC	1000	ug/L
		5/2/03	Field Methods	ORP/Eh3	-164				NC	NC	NC	NC	NC	ug/L
		5/2/03	Field Methods	pH	6.03				NC	NC	NC	NC	NC	pH
		5/2/03	9040	pH	6.29		N/A		NC	NC	NC	NC	NC	S.U.
		5/2/03	Field Methods	Specific Conductance	1035000				NC	NC	NC	NC	NC	ug/L
		5/2/03	9038	Sulfate	17000		5000		NC	NC	NC	NC	500000	ug/L
		5/2/03	Field Methods	Temperature	13.35				NC	NC	NC	NC	NC	Celsius

Trip Blank

5/7/03	AM18	Ethane	<0.005	U	0.005				NC	NC	NC	NC	NC	ug/L
5/6/03	AM18	Ethane	0.0078		0.005				NC	NC	NC	NC	NC	ug/L
5/6/03	AM18	Ethane	0.0078		0.005				NC	NC	NC	NC	NC	ug/L

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Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RL	MDL	Screening Criteria					Units
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL	
General Minerals and Metals Monitoring Parameters in Groundwater														
Trip Blank														
		5/6/03	AM18	Ethene	0.0071			0.005	NC	NC	NC	NC	NC	ug/L
		5/6/03	AM18	Ethene	0.0071			0.005	NC	NC	NC	NC	NC	ug/L
		5/7/03	AM18	Ethene	<0.005	U		0.005	NC	NC	NC	NC	NC	ug/L
		5/6/03	AM20GAX	Methane	0.19			0.008	NC	NC	NC	NC	NC	ug/L
		5/6/03	AM20GAX	Methane	0.19			0.008	NC	NC	NC	NC	NC	ug/L
		5/7/03	AM20GAX	Methane	3.5			0.008	NC	NC	NC	NC	NC	ug/L
Inorganics in Groundwater														
DW-001														
		5/1/03	7060	Arsenic	<5	U	5	1	50	NC	NC	4	50	ug/L
		5/1/03	6010	Calcium	11100		200	150	NC	NC	NC	NC	NC	ug/L
		5/1/03	6010	Chromium	<20	U	20	0	50	NC	NC	NC	NC	ug/L
		5/1/03	6010	Copper	1080		20	10	1300	NC	NC	48	1300	ug/L
		5/1/03	6010	Hardness	44500		500	370	NC	NC	NC	NC	NC	ug/L
		5/1/03	6010	Iron	330		100	20	NC	NC	NC	NC	NC	ug/L
		5/1/03	7421	Lead	9		5	1	15	NC	NC	13	15	ug/L
		5/1/03	6010	Magnesium	4060		200	20	NC	NC	NC	NC	NC	ug/L
		5/1/03	6010	Manganese	<50	U	50	10	NC	NC	NC	NC	NC	ug/L
		5/1/03	6010	Sodium	9000		5000	1000	NC	NC	NC	NC	NC	ug/L
		5/1/03	6010	Zinc	50		50	10	5000	NC	NC	123	NC	ug/L
DW-002														

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Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RL	MDL	Screening Criteria					Units
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL	
Inorganics in Groundwater														
DW-002														
		5/2/03	7060	Arsenic	<5	U	5	1	50	NC	NC	4	50	ug/L
		5/2/03	6010	Calcium	11200		200	150	NC	NC	NC	NC	NC	ug/L
		5/2/03	6010	Chromium	<20	U	20	0	50	NC	NC	NC	NC	ug/L
		5/2/03	6010	Copper	90		20	10	1300	NC	NC	48	1300	ug/L
		5/2/03	6010	Hardness	37700		500	370	NC	NC	NC	NC	NC	ug/L
		5/2/03	7421	Lead	<5	U	5	1	15	NC	NC	13	15	ug/L
		5/2/03	6010	Magnesium	2400		200	20	NC	NC	NC	NC	NC	ug/L
		5/2/03	6010	Manganese	<50	U	50	10	NC	NC	NC	NC	NC	ug/L
		5/2/03	6010	Sodium	11000		5000	1000	NC	NC	NC	NC	NC	ug/L
		5/2/03	6010	Zinc	60		50	10	5000	NC	NC	123	NC	ug/L
DW-003														
		5/2/03	7060	Arsenic	<5	U	5	1	50	NC	NC	4	50	ug/L
		5/2/03	6010	Calcium	4890		200	150	NC	NC	NC	NC	NC	ug/L
		5/2/03	6010	Chromium	<20	U	20	0	50	NC	NC	NC	NC	ug/L
		5/2/03	6010	Copper	60		20	10	1300	NC	NC	48	1300	ug/L
		5/2/03	6010	Hardness	18200		500	370	NC	NC	NC	NC	NC	ug/L
		5/2/03	7421	Lead	<5	U	5	1	15	NC	NC	13	15	ug/L
		5/2/03	6010	Magnesium	1450		200	20	NC	NC	NC	NC	NC	ug/L
		5/2/03	6010	Manganese	<50	U	50	10	NC	NC	NC	NC	NC	ug/L
EB #1														
		5/5/03	7060	Arsenic	<5	U	5	1	50	NC	NC	4	50	ug/L

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Water Sampling Analytical Results
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Only chemicals of concern and detected compounds are reported

Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RL	MDL	Screening Criteria					Units
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL	
Inorganics in Groundwater														
EB #1														
		5/5/03	6010	Chromium	<20	U	20	0	50	NC	NC	NC	NC	ug/L
		5/5/03	7421	Lead	<5	U	5	1	15	NC	NC	13	15	ug/L
		5/5/03	6010	Manganese	<20	U	20	10	NC	NC	NC	NC	NC	ug/L
EB #2														
		5/5/03	7060	Arsenic	<5	U	5	1	50	NC	NC	4	50	ug/L
		5/5/03	6010	Chromium	<20	U	20	0	50	NC	NC	NC	NC	ug/L
		5/5/03	7421	Lead	<5	U	5	1	15	NC	NC	13	15	ug/L
		5/5/03	6010	Manganese	<20	U	20	10	NC	NC	NC	NC	NC	ug/L
MW-101 I														
		5/8/03	6010	Aluminum	260		100	50	NC	NC	NC	NC	NC	ug/L
		5/8/03	7060	Arsenic	<5	U	5	1	50	NC	NC	4	50	ug/L
		5/8/03	6010	Calcium	45500		200	150	NC	NC	NC	NC	NC	ug/L
		5/8/03	6010	Chromium	<20	U	20	0	50	NC	NC	NC	NC	ug/L
		5/8/03	6010	Hardness	135000		500	370	NC	NC	NC	NC	NC	ug/L
		5/8/03	6010	Iron	400		100	20	NC	NC	NC	NC	NC	ug/L
		5/8/03	7421	Lead	<5	U	5	1	15	NC	NC	13	15	ug/L
		5/8/03	6010	Magnesium	5140		200	20	NC	NC	NC	NC	NC	ug/L
		5/8/03	6010	Manganese	150		20	10	NC	NC	NC	NC	NC	ug/L
		5/8/03	6010	Sodium	7000		5000	1000	NC	NC	NC	NC	NC	ug/L
MW-101B														
		5/7/03	6010	Aluminum	310		100	50	NC	NC	NC	NC	NC	ug/L

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Water Sampling Analytical Results
Barkhamsted - New Hartford Landfill

Only chemicals of concern and detected compounds are reported

Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RL	MDI	Screening Criteria					Units
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL	
Inorganics in Groundwater														
MW-101B B														
	5/7/03	7060		Arsenic	<5	U	5	1	50	NC	NC	4	50	ug/L
	5/7/03	6010		Barium	100		50	0	1000	NC	NC	NC	2000	ug/L
	5/7/03	6010		Calcium	116000		200	150	NC	NC	NC	NC	NC	ug/L
	5/7/03	6010		Chromium	<20	U	20	0	50	NC	NC	NC	NC	ug/L
	5/7/03	6010		Hardness	429000		500	370	NC	NC	NC	NC	NC	ug/L
	5/7/03	6010		Iron	8720		100	20	NC	NC	NC	NC	NC	ug/L
	5/7/03	7421		Lead	<5	U	5	1	15	NC	NC	13	15	ug/L
	5/7/03	6010		Magnesium	34300		200	20	NC	NC	NC	NC	NC	ug/L
	5/7/03	6010		Manganese	6000		20	10	NC	NC	NC	NC	NC	ug/L
	5/7/03	6010		Nickel	30		20	0	100	NC	NC	880	NC	ug/L
	5/7/03	6010		Potassium	7000		5000	0	NC	NC	NC	NC	NC	ug/L
	5/7/03	6010		Sodium	92000		2500	2000	NC	NC	NC	NC	NC	ug/L
MW-101D D														
	5/8/03	6010		Aluminum	110		100	50	NC	NC	NC	NC	NC	ug/L
	5/8/03	7060		Arsenic	<5	U	5	1	50	NC	NC	4	50	ug/L
	5/8/03	6010		Calcium	27700		200	150	NC	NC	NC	NC	NC	ug/L
	5/8/03	6010		Chromium	<20	U	20	0	50	NC	NC	NC	NC	ug/L
	5/8/03	6010		Copper	40		20	10	1300	NC	NC	48	1300	ug/L
	5/7/03	6010		Hardness	76900		500	370	NC	NC	NC	NC	NC	ug/L
	5/8/03	6010		Iron	240		100	20	NC	NC	NC	NC	NC	ug/L
	5/8/03	7421		Lead	9		5	1	15	NC	NC	13	15	ug/L

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Water Sampling Analytical Results
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Only chemicals of concern and detected compounds are reported

Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RL	MDL	Screening Criteria					Units
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL	
Inorganics in Groundwater														
MW-101D D														
		5/8/03	6010	Magnesium	1880		200	20	NC	NC	NC	NC	NC	ug/L
		5/8/03	6010	Manganese	510		20	10	NC	NC	NC	NC	NC	ug/L
		5/8/03	6010	Sodium	14000		5000	1000	NC	NC	NC	NC	NC	ug/L
MW-101S S														
		5/7/03	6010	Aluminum	340		100	50	NC	NC	NC	NC	NC	ug/L
		5/7/03	7060	Arsenic	17		5	1	50	NC	NC	4	50	ug/L
		5/7/03	6010	Barium	580		50	0	1000	NC	NC	NC	2000	ug/L
		5/7/03	6010	Calcium	245000		200	150	NC	NC	NC	NC	NC	ug/L
		5/7/03	6010	Chromium	<20	U	20	0	50	NC	NC	NC	NC	ug/L
		5/7/03	6010	Cobalt	30		20	0	NC	NC	NC	NC	NC	ug/L
		5/7/03	6010	Copper	20		20	10	1300	NC	NC	48	1300	ug/L
		5/7/03	6010	Hardness	1240000		500	370	NC	NC	NC	NC	NC	ug/L
		5/7/03	6010	Iron	30600		100	20	NC	NC	NC	NC	NC	ug/L
		5/7/03	7421	Lead	<5	U	5	1	15	NC	NC	13	15	ug/L
		5/7/03	6010	Magnesium	152000		200	20	NC	NC	NC	NC	NC	ug/L
		5/7/03	6010	Manganese	90		20	10	NC	NC	NC	NC	NC	ug/L
		5/7/03	6010	Nickel	190		20	0	100	NC	NC	880	NC	ug/L
		5/7/03	6010	Potassium	37000		2500	0	NC	NC	NC	NC	NC	ug/L
		5/7/03	6010	Sodium	664000		5000	3400	NC	NC	NC	NC	NC	ug/L
MW-102B B														
		5/1/03	7060	Arsenic	<5	U	5	1	50	NC	NC	4	50	ug/L

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Only chemicals of concern and detected compounds are reported

Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RL	MDL	Screening Criteria					Units
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL	
Inorganics in Groundwater														
MW-102B B														
		5/1/03	6010	Calcium	117000		200	150	NC	NC	NC	NC	NC	ug/L
		5/1/03	6010	Chromium	<20	U	20	0	50	NC	NC	NC	NC	ug/L
		5/1/03	6010	Hardness	509000		500	370	NC	NC	NC	NC	NC	ug/L
		5/1/03	7421	Lead	<5	U	5	1	15	NC	NC	13	15	ug/L
		5/1/03	6010	Magnesium	53000		200	20	NC	NC	NC	NC	NC	ug/L
		5/1/03	6010	Manganese	410		50	10	NC	NC	NC	NC	NC	ug/L
		5/1/03	6010	Sodium	24000		5000	1000	NC	NC	NC	NC	NC	ug/L
		5/1/03	7841	Thallium	4		2	1	5	NC	NC	63	2	ug/L
MW-102S S														
		5/1/03	7060	Arsenic	<5	U	5	1	50	NC	NC	4	50	ug/L
		5/1/03	6010	Calcium	18400		200	150	NC	NC	NC	NC	NC	ug/L
		5/1/03	6010	Chromium	<20	U	20	0	50	NC	NC	NC	NC	ug/L
		5/1/03	6010	Hardness	75800		500	370	NC	NC	NC	NC	NC	ug/L
		5/1/03	7421	Lead	<5	U	5	1	15	NC	NC	13	15	ug/L
		5/1/03	6010	Magnesium	7240		200	20	NC	NC	NC	NC	NC	ug/L
		5/1/03	6010	Manganese	<50	U	50	10	NC	NC	NC	NC	NC	ug/L
		5/1/03	6010	Sodium	34000		5000	1000	NC	NC	NC	NC	NC	ug/L
		5/1/03	6010	Zinc	80		50	10	5000	NC	NC	123	NC	ug/L
MW-103B B														
		5/1/03	7060	Arsenic	<5	U	5	1	50	NC	NC	4	50	ug/L
		5/1/03	6010	Barium	60		50	0	1000	NC	NC	NC	2000	ug/L

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Only chemicals of concern and detected compounds are reported

Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RL	MDL	Screening Criteria					Units
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL	
Inorganics in Groundwater														
MW-103B B														
	5/1/03	6010		Calcium	85400		200	150	NC	NC	NC	NC	NC	ug/L
	5/1/03	6010		Chromium	<20	U	20	0	50	NC	NC	NC	NC	ug/L
	5/1/03	6010		Hardness	315000		500	370	NC	NC	NC	NC	NC	ug/L
	5/1/03	7421		Lead	<5	U	5	1	15	NC	NC	13	15	ug/L
	5/1/03	6010		Magnesium	24800		200	20	NC	NC	NC	NC	NC	ug/L
	5/1/03	6010		Manganese	120		50	10	NC	NC	NC	NC	NC	ug/L
	5/1/03	6010		Potassium	5000		5000	0	NC	NC	NC	NC	NC	ug/L
	5/1/03	6010		Sodium	58000		2500	2000	NC	NC	NC	NC	NC	ug/L
	5/1/03	7841		Thallium	3		2	1	5	NC	NC	63	2	ug/L
MW-103S S														
	5/1/03	6010		Aluminum	450		100	50	NC	NC	NC	NC	NC	ug/L
	5/1/03	7060		Arsenic	<5	U	5	1	50	NC	NC	4	50	ug/L
	5/1/03	6010		Calcium	16100		200	150	NC	NC	NC	NC	NC	ug/L
	5/1/03	6010		Chromium	<20	U	20	0	50	NC	NC	NC	NC	ug/L
	5/1/03	6010		Hardness	65700		500	370	NC	NC	NC	NC	NC	ug/L
	5/1/03	6010		Iron	550		100	20	NC	NC	NC	NC	NC	ug/L
	5/1/03	7421		Lead	<5	U	5	1	15	NC	NC	13	15	ug/L
	5/1/03	6010		Magnesium	6170		200	20	NC	NC	NC	NC	NC	ug/L
	5/1/03	6010		Manganese	<50	U	50	10	NC	NC	NC	NC	NC	ug/L
	5/1/03	6010		Sodium	35000		5000	1000	NC	NC	NC	NC	NC	ug/L
MW-104 I I														

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Only chemicals of concern and detected compounds are reported

Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RL	MDL	Screening Criteria					Units
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL	
Inorganics in Groundwater														
MW-104 I														
		5/5/03	6010	Aluminum	190		100	50	NC	NC	NC	NC	NC	ug/L
		5/5/03	7060	Arsenic	<5	U	5	1	50	NC	NC	4	50	ug/L
		5/5/03	7131	Cadmium	1		1	0	5	NC	NC	6	5	ug/L
		5/5/03	6010	Calcium	20100		200	150	NC	NC	NC	NC	NC	ug/L
		5/5/03	6010	Chromium	<20	U	20	0	50	NC	NC	NC	NC	ug/L
		5/5/03	6010	Hardness	63800		500	370	NC	NC	NC	NC	NC	ug/L
		5/5/03	6010	Iron	280		100	20	NC	NC	NC	NC	NC	ug/L
		5/5/03	7421	Lead	<5	U	5	1	15	NC	NC	13	15	ug/L
		5/5/03	6010	Magnesium	3320		200	20	NC	NC	NC	NC	NC	ug/L
		5/5/03	6010	Manganese	80		20	10	NC	NC	NC	NC	NC	ug/L
		5/5/03	6010	Sodium	5000		5000	1000	NC	NC	NC	NC	NC	ug/L
MW-104B B														
		5/5/03	7060	Arsenic	<5	U	5	1	50	NC	NC	4	50	ug/L
		5/5/03	6010	Calcium	18700		200	150	NC	NC	NC	NC	NC	ug/L
		5/5/03	6010	Chromium	<20	U	20	0	50	NC	NC	NC	NC	ug/L
		5/5/03	6010	Hardness	61400		500	370	NC	NC	NC	NC	NC	ug/L
		5/5/03	7421	Lead	<5	U	5	1	15	NC	NC	13	15	ug/L
		5/5/03	6010	Magnesium	3570		200	20	NC	NC	NC	NC	NC	ug/L
		5/5/03	6010	Manganese	30		20	10	NC	NC	NC	NC	NC	ug/L
		5/5/03	6010	Sodium	5000		5000	1000	NC	NC	NC	NC	NC	ug/L
MW-104S S														

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Only chemicals of concern and detected compounds are reported

Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RL	MDL	Screening Criteria					Units
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL	
Inorganics in Groundwater														
MW-104S S														
		5/5/03	6010	Aluminum	170		100	50	NC	NC	NC	NC	NC	ug/L
		5/5/03	7060	Arsenic	<5	U	5	1	50	NC	NC	4	50	ug/L
		5/5/03	7131	Cadmium	1		1	0	5	NC	NC	6	5	ug/L
		5/5/03	6010	Calcium	3920		200	150	NC	NC	NC	NC	NC	ug/L
		5/5/03	6010	Chromium	<20	U	20	0	50	NC	NC	NC	NC	ug/L
		5/5/03	6010	Hardness	13900		500	370	NC	NC	NC	NC	NC	ug/L
		5/5/03	6010	Iron	220		100	20	NC	NC	NC	NC	NC	ug/L
		5/5/03	7421	Lead	<5	U	5	1	15	NC	NC	13	15	ug/L
		5/5/03	6010	Magnesium	1000		200	20	NC	NC	NC	NC	NC	ug/L
		5/5/03	6010	Manganese	310		20	10	NC	NC	NC	NC	NC	ug/L
MW-106S S														
		5/2/03	6010	Aluminum	530		100	50	NC	NC	NC	NC	NC	ug/L
		5/2/03	7060	Arsenic	<5	U	5	1	50	NC	NC	4	50	ug/L
		5/2/03	6010	Calcium	90600		200	150	NC	NC	NC	NC	NC	ug/L
		5/2/03	6010	Chromium	<20	U	20	0	50	NC	NC	NC	NC	ug/L
		5/2/03	6010	Hardness	325000		500	370	NC	NC	NC	NC	NC	ug/L
		5/2/03	6010	Iron	1190		100	20	NC	NC	NC	NC	NC	ug/L
		5/2/03	7421	Lead	<5	U	5	1	15	NC	NC	13	15	ug/L
		5/2/03	6010	Magnesium	24100		200	20	NC	NC	NC	NC	NC	ug/L
		5/2/03	6010	Manganese	390		50	10	NC	NC	NC	NC	NC	ug/L
		5/2/03	6010	Potassium	5000		5000	0	NC	NC	NC	NC	NC	ug/L

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Water Sampling Analytical Results
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Only chemicals of concern and detected compounds are reported

Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RL	MDL	Screening Criteria					Units
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL	
Inorganics in Groundwater														
MW-106S	S													
		5/2/03	6010	Sodium	34000		5000	1000	NC	NC	NC	NC	NC	ug/L
		5/2/03	7841	Thallium	3		2	1	5	NC	NC	63	2	ug/L
MW-110 I														
		5/5/03	7060	Arsenic	<5	U	5	1	50	NC	NC	4	50	ug/L
		5/5/03	6010	Calcium	111000		200	150	NC	NC	NC	NC	NC	ug/L
		5/5/03	6010	Chromium	<20	U	20	0	50	NC	NC	NC	NC	ug/L
		5/5/03	6010	Hardness	412000		500	370	NC	NC	NC	NC	NC	ug/L
		5/5/03	6010	Iron	650		100	20	NC	NC	NC	NC	NC	ug/L
		5/5/03	7421	Lead	<5	U	5	1	15	NC	NC	13	15	ug/L
		5/5/03	6010	Magnesium	32900		200	20	NC	NC	NC	NC	NC	ug/L
		5/5/03	6010	Manganese	4800		20	10	NC	NC	NC	NC	NC	ug/L
		5/5/03	6010	Potassium	7000		5000	0	NC	NC	NC	NC	NC	ug/L
		5/5/03	6010	Sodium	61000		2500	2000	NC	NC	NC	NC	NC	ug/L
MW-111 I														
		5/7/03	6010	Aluminum	140		100	50	NC	NC	NC	NC	NC	ug/L
		5/7/03	7060	Arsenic	<5	U	5	1	50	NC	NC	4	50	ug/L
		5/7/03	6010	Calcium	247000		200	150	NC	NC	NC	NC	NC	ug/L
		5/7/03	6010	Chromium	<20	U	20	0	50	NC	NC	NC	NC	ug/L
		5/7/03	6010	Copper	20		20	10	1300	NC	NC	48	1300	ug/L
		5/7/03	6010	Hardness	880000		500	370	NC	NC	NC	NC	NC	ug/L
		5/7/03	6010	Iron	160		100	20	NC	NC	NC	NC	NC	ug/L

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Only chemicals of concern and detected compounds are reported

Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RL	MDL	Screening Criteria					Units
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL	
Inorganics in Groundwater														
MW-111 I		5/7/03	7421	Lead	<5	U	5	1	15	NC	NC	13	15	ug/L
		5/7/03	6010	Magnesium	63900		200	20	NC	NC	NC	NC	NC	ug/L
		5/7/03	6010	Manganese	<20	U	20	10	NC	NC	NC	NC	NC	ug/L
		5/7/03	6010	Potassium	10000		5000	0	NC	NC	NC	NC	NC	ug/L
		5/7/03	6010	Silver	10		5	2	36	NC	NC	12	NC	ug/L
		5/7/03	6010	Sodium	127000		2500	2000	NC	NC	NC	NC	NC	ug/L
MW-111B B														
		5/7/03	7060	Arsenic	<5	U	5	1	50	NC	NC	4	50	ug/L
		5/7/03	6010	Calcium	93400		200	150	NC	NC	NC	NC	NC	ug/L
		5/7/03	6010	Chromium	<20	U	20	0	50	NC	NC	NC	NC	ug/L
		5/7/03	6010	Hardness	322000		500	370	NC	NC	NC	NC	NC	ug/L
		5/7/03	6010	Iron	150		100	20	NC	NC	NC	NC	NC	ug/L
		5/7/03	7421	Lead	<5	U	5	1	15	NC	NC	13	15	ug/L
		5/7/03	6010	Magnesium	21500		200	20	NC	NC	NC	NC	NC	ug/L
		5/7/03	6010	Manganese	30		20	10	NC	NC	NC	NC	NC	ug/L
		5/7/03	6010	Sodium	59000		2500	2000	NC	NC	NC	NC	NC	ug/L
MW-111S S														
		5/7/03	7060	Arsenic	<5	U	5	1	50	NC	NC	4	50	ug/L
		5/7/03	6010	Calcium	20000		200	150	NC	NC	NC	NC	NC	ug/L
		5/7/03	6010	Chromium	<20	U	20	0	50	NC	NC	NC	NC	ug/L
		5/7/03	6010	Hardness	72200		500	370	NC	NC	NC	NC	NC	ug/L

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Only chemicals of concern and detected compounds are reported

Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RL	MDL	Screening Criteria					Units
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL	
Inorganics in Groundwater														
MW-111S S		5/7/03	7421	Lead	<5	U	5	1	15	NC	NC	13	15	ug/L
		5/7/03	6010	Magnesium	5400		200	20	NC	NC	NC	NC	NC	ug/L
		5/7/03	6010	Manganese	<20	U	20	10	NC	NC	NC	NC	NC	ug/L
		5/7/03	6010	Sodium	72000		2500	2000	NC	NC	NC	NC	NC	ug/L
MW-112B B		5/5/03	6010	Aluminum	520		100	50	NC	NC	NC	NC	NC	ug/L
		5/5/03	7060	Arsenic	<5	U	5	1	50	NC	NC	4	50	ug/L
		5/5/03	6010	Calcium	6160		200	150	NC	NC	NC	NC	NC	ug/L
		5/5/03	6010	Chromium	<20	U	20	0	50	NC	NC	NC	NC	ug/L
		5/5/03	6010	Hardness	25800		500	370	NC	NC	NC	NC	NC	ug/L
		5/5/03	6010	Iron	630		100	20	NC	NC	NC	NC	NC	ug/L
		5/5/03	7421	Lead	<5	U	5	1	15	NC	NC	13	15	ug/L
		5/5/03	6010	Magnesium	2540		200	20	NC	NC	NC	NC	NC	ug/L
		5/5/03	6010	Manganese	<20	U	20	10	NC	NC	NC	NC	NC	ug/L
MW-112S S		5/6/03	6010	Aluminum	1370		100	50	NC	NC	NC	NC	NC	ug/L
		5/6/03	7060	Arsenic	<5	U	5	1	50	NC	NC	4	50	ug/L
		5/6/03	6010	Calcium	6300		200	150	NC	NC	NC	NC	NC	ug/L
		5/6/03	6010	Chromium	<20	U	20	0	50	NC	NC	NC	NC	ug/L
		5/6/03	6010	Hardness	28100		500	370	NC	NC	NC	NC	NC	ug/L
		5/6/03	6010	Iron	1760		100	20	NC	NC	NC	NC	NC	ug/L

April 2003
Water Sampling Analytical Results
Barkhamsted - New Hartford Landfill

Only chemicals of concern and detected compounds are reported

Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RL	MDL	Screening Criteria					Units
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL	
Inorganics in Groundwater														
MW-112S	S													
		5/6/03	7421	Lead	<5	U	5	1	15	NC	NC	13	15	ug/L
		5/6/03	6010	Magnesium	3010		200	20	NC	NC	NC	NC	NC	ug/L
		5/6/03	6010	Manganese	60		20	10	NC	NC	NC	NC	NC	ug/L
		5/6/03	6010	Sodium	8000		5000	1000	NC	NC	NC	NC	NC	ug/L
MW-113B B														
		5/5/03	6010	Aluminum	2110		100	50	NC	NC	NC	NC	NC	ug/L
		5/5/03	7060	Arsenic	<5	U	5	1	50	NC	NC	4	50	ug/L
		5/5/03	6010	Calcium	16400		200	150	NC	NC	NC	NC	NC	ug/L
		5/5/03	6010	Chromium	<20	U	20	0	50	NC	NC	NC	NC	ug/L
		5/5/03	6010	Hardness	55700		500	370	NC	NC	NC	NC	NC	ug/L
		5/5/03	6010	Iron	670		100	20	NC	NC	NC	NC	NC	ug/L
		5/5/03	7421	Lead	<5	U	5	1	15	NC	NC	13	15	ug/L
		5/5/03	6010	Magnesium	3610		200	20	NC	NC	NC	NC	NC	ug/L
		5/5/03	6010	Manganese	40		20	10	NC	NC	NC	NC	NC	ug/L
		5/5/03	6010	Sodium	5000		5000	1000	NC	NC	NC	NC	NC	ug/L
		5/5/03	6010	Zinc	60		50	10	5000	NC	NC	123	NC	ug/L
MW-113S S														
		5/6/03	6010	Aluminum	570		100	50	NC	NC	NC	NC	NC	ug/L
		5/6/03	7060	Arsenic	<5	U	5	1	50	NC	NC	4	50	ug/L
		5/6/03	6010	Calcium	16600		200	150	NC	NC	NC	NC	NC	ug/L
		5/6/03	6010	Chromium	<20	U	20	0	50	NC	NC	NC	NC	ug/L

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Water Sampling Analytical Results
Barkhamsted - New Hartford Landfill

Only chemicals of concern and detected compounds are reported

Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RI	MDL	Screening Criteria					Units
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL	
Inorganics in Groundwater														
MW-113S S														
		5/6/03	6010	Hardness	59200		500	370	NC	NC	NC	NC	NC	ug/L
		5/6/03	6010	Iron	740		100	20	NC	NC	NC	NC	NC	ug/L
		5/6/03	7421	Lead	5		5	1	15	NC	NC	13	15	ug/L
		5/6/03	6010	Magnesium	4320		200	20	NC	NC	NC	NC	NC	ug/L
		5/6/03	6010	Manganese	20		20	10	NC	NC	NC	NC	NC	ug/L
		5/6/03	6010	Sodium	5000		5000	1000	NC	NC	NC	NC	NC	ug/L
MW-115B B														
		5/1/03	6010	Aluminum	1030		100	50	NC	NC	NC	NC	NC	ug/L
		5/1/03	7060	Arsenic	<5	U	5	1	50	NC	NC	4	50	ug/L
		5/1/03	6010	Calcium	8140		200	150	NC	NC	NC	NC	NC	ug/L
		5/1/03	6010	Chromium	<20	U	20	0	50	NC	NC	NC	NC	ug/L
		5/1/03	6010	Hardness	33300		500	370	NC	NC	NC	NC	NC	ug/L
		5/1/03	6010	Iron	430		100	20	NC	NC	NC	NC	NC	ug/L
		5/1/03	7421	Lead	<5	U	5	1	15	NC	NC	13	15	ug/L
		5/1/03	6010	Magnesium	3160		200	20	NC	NC	NC	NC	NC	ug/L
		5/1/03	6010	Manganese	70		50	10	NC	NC	NC	NC	NC	ug/L
		5/1/03	6010	Sodium	12000		5000	1000	NC	NC	NC	NC	NC	ug/L
MW-115S S														
		5/2/03	6010	Aluminum	890		100	50	NC	NC	NC	NC	NC	ug/L
		5/2/03	7060	Arsenic	<5	U	5	1	50	NC	NC	4	50	ug/L
		5/2/03	6010	Calcium	5900		200	150	NC	NC	NC	NC	NC	ug/L

April 2003
Water Sampling Analytical Results
Barkhamsted - New Hartford Landfill

Only chemicals of concern and detected compounds are reported

Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RL	MDL	Screening Criteria					Units
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL	
Inorganics in Groundwater														
MW-115S S														
		5/2/03	6010	Chromium	<20	U	20	0	50	NC	NC	NC	NC	ug/L
		5/2/03	6010	Hardness	22800		500	370	NC	NC	NC	NC	NC	ug/L
		5/2/03	6010	Iron	990		100	20	NC	NC	NC	NC	NC	ug/L
		5/2/03	7421	Lead	<5	U	5	1	15	NC	NC	13	15	ug/L
		5/2/03	6010	Magnesium	1970		200	20	NC	NC	NC	NC	NC	ug/L
		5/2/03	6010	Manganese	<50	U	50	10	NC	NC	NC	NC	NC	ug/L
MW-15 S														
		5/5/03	6010	Aluminum	320		100	50	NC	NC	NC	NC	NC	ug/L
		5/5/03	7060	Arsenic	12		5	1	50	NC	NC	4	50	ug/L
		5/5/03	6010	Barium	660		50	0	1000	NC	NC	NC	2000	ug/L
		5/5/03	6010	Calcium	110000		200	150	NC	NC	NC	NC	NC	ug/L
		5/5/03	6010	Chromium	<20	U	20	0	50	NC	NC	NC	NC	ug/L
		5/5/03	6010	Hardness	734000		500	370	NC	NC	NC	NC	NC	ug/L
		5/5/03	6010	Iron	14600		100	20	NC	NC	NC	NC	NC	ug/L
		5/5/03	7421	Lead	<5	U	5	1	15	NC	NC	13	15	ug/L
		5/5/03	6010	Magnesium	112000		200	20	NC	NC	NC	NC	NC	ug/L
		5/5/03	6010	Manganese	70		20	10	NC	NC	NC	NC	NC	ug/L
		5/5/03	6010	Nickel	160		20	0	100	NC	NC	880	NC	ug/L
		5/5/03	6010	Potassium	243000		2500	0	NC	NC	NC	NC	NC	ug/L
		5/5/03	6010	Sodium	748000		5000	3400	NC	NC	NC	NC	NC	ug/L
MW-15 *	S	Dup												

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Water Sampling Analytical Results
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Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RL	MDL	Screening Criteria					Units
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL	
Inorganics in Groundwater														
MW-1S * S Dup														
		5/5/03	6010	Aluminum	350		100	50	NC	NC	NC	NC	NC	ug/L
		5/5/03	7060	Arsenic	12		5	1	50	NC	NC	4	50	ug/L
		5/5/03	6010	Barium	650		50	0	1000	NC	NC	NC	2000	ug/L
		5/5/03	6010	Calcium	110000		200	150	NC	NC	NC	NC	NC	ug/L
		5/5/03	6010	Chromium	<20	U	20	0	50	NC	NC	NC	NC	ug/L
		5/5/03	6010	Hardness	738000		500	370	NC	NC	NC	NC	NC	ug/L
		5/5/03	6010	Iron	14500		100	20	NC	NC	NC	NC	NC	ug/L
		5/5/03	7421	Lead	<5	U	5	1	15	NC	NC	13	15	ug/L
		5/5/03	6010	Magnesium	112000		200	20	NC	NC	NC	NC	NC	ug/L
		5/5/03	6010	Manganese	70		20	10	NC	NC	NC	NC	NC	ug/L
		5/5/03	6010	Nickel	160		20	0	100	NC	NC	880	NC	ug/L
		5/5/03	6010	Potassium	288000		5000	0	NC	NC	NC	NC	NC	ug/L
		5/5/03	6010	Sodium	744000		5000	3400	NC	NC	NC	NC	NC	ug/L
MW-4S S														
		5/5/03	7060	Arsenic	12		5	1	50	NC	NC	4	50	ug/L
		5/5/03	6010	Barium	190		50	0	1000	NC	NC	NC	2000	ug/L
		5/5/03	6010	Calcium	174000		200	150	NC	NC	NC	NC	NC	ug/L
		5/5/03	6010	Chromium	<20	U	20	0	50	NC	NC	NC	NC	ug/L
		5/5/03	6010	Hardness	735000		500	370	NC	NC	NC	NC	NC	ug/L
		5/5/03	6010	Iron	25000		100	20	NC	NC	NC	NC	NC	ug/L
		5/5/03	7421	Lead	<5	U	5	1	15	NC	NC	13	15	ug/L

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Water Sampling Analytical Results
Barkhamsted - New Hartford Landfill

Only chemicals of concern and detected compounds are reported

Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RL	MDL	Screening Criteria					Units	
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL		
Inorganics in Groundwater															
MW-4S	S														
			5/5/03	6010	Magnesium	73100		200	20	NC	NC	NC	NC	ug/L	
			5/5/03	6010	Manganese	6460		20	10	NC	NC	NC	NC	ug/L	
			5/5/03	6010	Nickel	30		20	0	100	NC	NC	880	ug/L	
			5/5/03	6010	Potassium	15000		5000	0	NC	NC	NC	NC	ug/L	
		5/5/03	6010	Sodium	226000		1000	7000	NC	NC	NC	NC	ug/L		
MW-5B	B														
			5/6/03	7060	Arsenic	<5	U	5	1	50	NC	NC	4	50	ug/L
			5/6/03	6010	Barium	100		50	0	1000	NC	NC	NC	2000	ug/L
			5/6/03	6010	Calcium	174000		200	150	NC	NC	NC	NC	NC	ug/L
			5/6/03	6010	Chromium	<20	U	20	0	50	NC	NC	NC	NC	ug/L
			5/6/03	6010	Hardness	610000		500	370	NC	NC	NC	NC	NC	ug/L
			5/6/03	6010	Iron	3600		100	20	NC	NC	NC	NC	NC	ug/L
			5/6/03	7421	Lead	<5	U	5	1	15	NC	NC	13	15	ug/L
			5/6/03	6010	Magnesium	42200		200	20	NC	NC	NC	NC	NC	ug/L
			5/6/03	6010	Manganese	3540		20	10	NC	NC	NC	NC	NC	ug/L
		5/6/03	6010	Potassium	6000		5000	0	NC	NC	NC	NC	ug/L		
		5/6/03	6010	Sodium	27000		5000	1000	NC	NC	NC	NC	ug/L		
MW-5S	S														
			5/7/03	7060	Arsenic	<5	U	5	1	50	NC	NC	4	50	ug/L
			5/7/03	6010	Barium	190		50	0	1000	NC	NC	NC	2000	ug/L
			5/7/03	6010	Calcium	62400		200	150	NC	NC	NC	NC	NC	ug/L

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Water Sampling Analytical Results
Barkhamsted - New Hartford Landfill

Only chemicals of concern and detected compounds are reported

Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RL	MDL	Screening Criteria					Units
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL	
Inorganics in Groundwater														
MW-5S	S													
		5/7/03	6010	Chromium	<20	U	20	0	50	NC	NC	NC	NC	ug/L
		5/7/03	6010	Hardness	250000		500	370	NC	NC	NC	NC	NC	ug/L
		5/7/03	6010	Iron	19200		100	20	NC	NC	NC	NC	NC	ug/L
		5/7/03	7421	Lead	<5	U	5	1	15	NC	NC	13	15	ug/L
		5/7/03	6010	Magnesium	22800		200	20	NC	NC	NC	NC	NC	ug/L
		5/7/03	6010	Manganese	850		20	10	NC	NC	NC	NC	NC	ug/L
		5/7/03	6010	Potassium	22000		5000	0	NC	NC	NC	NC	NC	ug/L
		5/7/03	6010	Sodium	123000		2500	2000	NC	NC	NC	NC	NC	ug/L
		5/7/03	6010	Zinc	60		50	10	5000	NC	NC	123	NC	ug/L
MW-5S *	S	Dup												
		5/7/03	7060	Arsenic	<5	U	5	1	50	NC	NC	4	50	ug/L
		5/7/03	6010	Barium	190		50	0	1000	NC	NC	NC	2000	ug/L
		5/7/03	6010	Calcium	64200		200	150	NC	NC	NC	NC	NC	ug/L
		5/7/03	6010	Chromium	<20	U	20	0	50	NC	NC	NC	NC	ug/L
		5/7/03	6010	Hardness	257000		500	370	NC	NC	NC	NC	NC	ug/L
		5/7/03	6010	Iron	19500		100	20	NC	NC	NC	NC	NC	ug/L
		5/7/03	7421	Lead	<5	U	5	1	15	NC	NC	13	15	ug/L
		5/7/03	6010	Magnesium	23500		200	20	NC	NC	NC	NC	NC	ug/L
		5/7/03	6010	Manganese	880		20	10	NC	NC	NC	NC	NC	ug/L
		5/7/03	6010	Potassium	22000		5000	0	NC	NC	NC	NC	NC	ug/L
		5/7/03	6010	Sodium	118000		2500	2000	NC	NC	NC	NC	NC	ug/L

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Water Sampling Analytical Results
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Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RL	MDL	Screening Criteria				Units
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL

Inorganics in Groundwater

S-3 S

5/2/03	7060	Arsenic	<5	U	5	1	50	NC	NC	NC	4	50	ug/L
5/2/03	6010	Barium	300		50	0	1000	NC	NC	NC	NC	2000	ug/L
5/2/03	6010	Calcium	52200		200	150	NC	NC	NC	NC	NC	NC	ug/L
5/2/03	6010	Chromium	<20	U	20	0	50	NC	NC	NC	NC	NC	ug/L
5/2/03	6010	Hardness	249000		500	370	NC	NC	NC	NC	NC	NC	ug/L
5/2/03	6010	Iron	13400		100	20	NC	NC	NC	NC	NC	NC	ug/L
5/2/03	7421	Lead	<5	U	5	1	15	NC	NC	NC	13	15	ug/L
5/2/03	6010	Magnesium	28700		200	20	NC	NC	NC	NC	NC	NC	ug/L
5/2/03	6010	Manganese	1970		20	10	NC	NC	NC	NC	NC	NC	ug/L
5/2/03	6010	Potassium	15000		5000	0	NC	NC	NC	NC	NC	NC	ug/L
5/2/03	6010	Sodium	134000		5000	1000	NC	NC	NC	NC	NC	NC	ug/L

Semi-Volatile Organic Monitoring Parameters in Groundwater

DW-001

5/1/03	8270	2,4-Dimethylphenol	<33.9	U	50.5	33.9	140	NC	NC	NC	NC	NC	ug/L
5/1/03	8270	bis(2-Ethylhexyl)phthalate	<4	U	6.1	4	2	NC	NC	NC	59	6	ug/L

DW-002

5/2/03	8270	2,4-Dimethylphenol	<33.9	U	50.5	33.9	140	NC	NC	NC	NC	NC	ug/L
5/2/03	8270	bis(2-Ethylhexyl)phthalate	<4	U	6.1	4	2	NC	NC	NC	59	6	ug/L

DW-003

5/2/03	8270	2,4-Dimethylphenol	<35	U	52.1	35	140	NC	NC	NC	NC	NC	ug/L
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Water Sampling Analytical Results
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Only chemicals of concern and detected compounds are reported

Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RL	MDL	Screening Criteria					Units
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL	
Semi-Volatile Organic Monitoring Parameters in Groundwater														
DW-003														
EB #1	5/2/03	8270		bis(2-Ethylhexyl)phthalate	<4.2	U	6.3	4.2	2	NC	NC	59	6	ug/L
	5/5/03	8270		2,4-Dimethylphenol	<35	U	52.1	35	140	NC	NC	NC	NC	ug/L
	5/5/03	8270		bis(2-Ethylhexyl)phthalate	<4.2	U	6.3	4.2	2	NC	NC	59	6	ug/L
EB #2														
MW-101 I	5/5/03	8270		2,4-Dimethylphenol	<35.7	U	53.2	35.7	140	NC	NC	NC	NC	ug/L
	5/5/03	8270		bis(2-Ethylhexyl)phthalate	<4.3	U	6.4	4.3	2	NC	NC	59	6	ug/L
MW-101B B														
MW-101D D	5/8/03	8270		2,4-Dimethylphenol	<42	U	62.5	42	140	NC	NC	NC	NC	ug/L
	5/8/03	8270		bis(2-Ethylhexyl)phthalate	9.2		7.5	5	2	NC	NC	59	6	ug/L
	5/7/03	8270		2,4-Dimethylphenol	<34.3	U	51	34.3	140	NC	NC	NC	NC	ug/L
MW-101S S	5/7/03	8270		bis(2-Ethylhexyl)phthalate	<4.1	U	6.1	4.1	2	NC	NC	59	6	ug/L
	5/7/03	8260		Naphthalene	0.61 J	J	1	0.2	280	NC	NC	NC	NC	ug/L
MW-101D D														
MW-101S S	5/8/03	8270		2,4-Dimethylphenol	<33.6	U	50	33.6	140	NC	NC	NC	NC	ug/L
	5/8/03	8270		bis(2-Ethylhexyl)phthalate	<4	U	6	4	2	NC	NC	59	6	ug/L
MW-101S S	5/7/03	8270		2,4-Dimethylphenol	1070		549	36.9	140	NC	NC	NC	NC	ug/L
	5/7/03	8270		2-Methylphenol	166		11	8.1	350	NC	NC	NC	NC	ug/L

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Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RL	MDL	Screening Criteria					Units	
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL		
Semi-Volatile Organic Monitoring Parameters in Groundwater															
MW-101S	S														
		5/7/03	8270	3 + 4-Methylphenol	86.7		22	10.8	NC	NC	NC	NC	NC	ug/L	
		5/7/03	8270	bis(2-Ethylhexyl)phthalate	<4.4	U	6.6	4.4	2	NC	NC	59	6	ug/L	
		5/7/03	8270	Diethylphthalate	17.4		11	5.9	5600	NC	NC	NC	NC	ug/L	
		5/7/03	8270	Naphthalene	5.1 J	J	11	4	280	NC	NC	NC	NC	ug/L	
MW-102B	B														
		5/1/03	8270	2,4-Dimethylphenol	<34.3	U	51	34.3	140	NC	NC	NC	NC	ug/L	
		5/1/03	8270	bis(2-Ethylhexyl)phthalate	<4.1	U	6.1	4.1	2	NC	NC	59	6	ug/L	
MW-102B	B Dup														
		5/1/03	8270	2,4-Dimethylphenol	<34.3	U	51	34.3	140	NC	NC	NC	NC	ug/L	
		5/1/03	8270	bis(2-Ethylhexyl)phthalate	<4.1	U	6.1	4.1	2	NC	NC	59	6	ug/L	
MW-102S	S														
		5/1/03	8270	2,4-Dimethylphenol	<37.8	U	56.2	37.8	140	NC	NC	NC	NC	ug/L	
		5/1/03	8270	bis(2-Ethylhexyl)phthalate	11.4		6.7	4.5	2	NC	NC	59	6	ug/L	
MW-103B	B														
		5/1/03	8270	2,4-Dimethylphenol	<34.3	U	51	34.3	140	NC	NC	NC	NC	ug/L	
		5/1/03	8270	bis(2-Ethylhexyl)phthalate	5.9 J	J	6.1	4.1	2	NC	NC	59	6	ug/L	
MW-103S	S														
		5/1/03	8270	2,4-Dimethylphenol	<33.6	U	50	33.6	140	NC	NC	NC	NC	ug/L	
		5/1/03	8270	bis(2-Ethylhexyl)phthalate	9.7		6	4	2	NC	NC	59	6	ug/L	
MW-104I	I														

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Water Sampling Analytical Results
Barkhamsted - New Hartford Landfill

Only chemicals of concern and detected compounds are reported

Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RL	MDL	Screening Criteria					Units
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL	
Semi-Volatile Organic Monitoring Parameters in Groundwater														
MW-104 I		5/5/03	8270	2,4-Dimethylphenol	<33.6	U	50	33.6	140	NC	NC	NC	NC	ug/L
		5/5/03	8270	bis(2-Ethylhexyl)phthalate	<4	U	6	4	2	NC	NC	59	6	ug/L
MW-104B B														
		5/5/03	8270	2,4-Dimethylphenol	<33.9	U	50.5	33.9	140	NC	NC	NC	NC	ug/L
		5/5/03	8270	bis(2-Ethylhexyl)phthalate	4.4 J	J	6.1	4	2	NC	NC	59	6	ug/L
MW-104S S														
		5/5/03	8270	2,4-Dimethylphenol	<34.3	U	51	34.3	140	NC	NC	NC	NC	ug/L
		5/5/03	8270	bis(2-Ethylhexyl)phthalate	<4.1	U	6.1	4.1	2	NC	NC	59	6	ug/L
MW-106S S														
		5/2/03	8270	2,4-Dimethylphenol	<33.6	U	50	33.6	140	NC	NC	NC	NC	ug/L
		5/2/03	8270	bis(2-Ethylhexyl)phthalate	7.1		6	4	2	NC	NC	59	6	ug/L
MW-110 I														
		5/5/03	8270	2,4-Dimethylphenol	<33.9	U	50.5	33.9	140	NC	NC	NC	NC	ug/L
		5/5/03	8270	bis(2-Ethylhexyl)phthalate	7.3		6.1	4	2	NC	NC	59	6	ug/L
MW-111 I														
		5/7/03	8270	2,4-Dimethylphenol	<33.6	U	50	33.6	140	NC	NC	NC	NC	ug/L
		5/7/03	8270	bis(2-Ethylhexyl)phthalate	<4	U	6	4	2	NC	NC	59	6	ug/L
MW-111B B														
		5/7/03	8270	2,4-Dimethylphenol	<33.6	U	50	33.6	140	NC	NC	NC	NC	ug/L
		5/7/03	8270	bis(2-Ethylhexyl)phthalate	<4	U	6	4	2	NC	NC	59	6	ug/L

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Water Sampling Analytical Results
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Only chemicals of concern and detected compounds are reported

Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RL	MDL	Screening Criteria					Units
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL	
Semi-Volatile Organic Monitoring Parameters in Groundwater														
MW-111S	S													
		5/7/03	8270	2,4-Dimethylphenol	<33.9	U	50.5	33.9	140	NC	NC	NC	NC	ug/L
		5/7/03	8270	bis(2-Ethylhexyl)phthalate	<4	U	6.1	4	2	NC	NC	59	6	ug/L
MW-112B	B													
		5/5/03	8270	2,4-Dimethylphenol	<35.4	U	52.6	35.4	140	NC	NC	NC	NC	ug/L
		5/5/03	8270	bis(2-Ethylhexyl)phthalate	<4.2	U	6.3	4.2	2	NC	NC	59	6	ug/L
MW-112S	S													
		5/6/03	8270	2,4-Dimethylphenol	<34.6	U	51.5	34.6	140	NC	NC	NC	NC	ug/L
		5/6/03	8270	bis(2-Ethylhexyl)phthalate	<4.1	U	6.2	4.1	2	NC	NC	59	6	ug/L
MW-113B	B													
		5/5/03	8270	2,4-Dimethylphenol	<33.6	U	50	33.6	140	NC	NC	NC	NC	ug/L
		5/5/03	8270	bis(2-Ethylhexyl)phthalate	<4	U	6	4	2	NC	NC	59	6	ug/L
MW-113S	S													
		5/6/03	8270	2,4-Dimethylphenol	<33.9	U	50.5	33.9	140	NC	NC	NC	NC	ug/L
		5/6/03	8270	bis(2-Ethylhexyl)phthalate	<4	U	6.1	4	2	NC	NC	59	6	ug/L
MW-115B	B													
		5/1/03	8270	2,4-Dimethylphenol	<33.6	U	50	33.6	140	NC	NC	NC	NC	ug/L
		5/1/03	8270	bis(2-Ethylhexyl)phthalate	6.6		6	4	2	NC	NC	59	6	ug/L
MW-115S	S													
		5/2/03	8270	2,4-Dimethylphenol	<34.3	U	51	34.3	140	NC	NC	NC	NC	ug/L
		5/2/03	8270	bis(2-Ethylhexyl)phthalate	7.6		6.1	4.1	2	NC	NC	59	6	ug/L

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Water Sampling Analytical Results
Barkhamsted - New Hartford Landfill

Only chemicals of concern and detected compounds are reported

Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RL	MDL	Screening Criteria					Units
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL	

Semi-Volatile Organic Monitoring Parameters in Groundwater

MW-1S S

5/5/03	8270	2,4-Dimethylphenol	803	543	36.5	140	NC	NC	NC	NC	NC	NC	NC	ug/L
5/5/03	8270	2-Methylphenol	10.7 J	J	10.9	8	350	NC	NC	NC	NC	NC	NC	ug/L
5/5/03	8270	bis(2-Ethylhexyl)phthalate	9.3		6.5	4.3	2	NC	NC	NC	NC	59	6	ug/L
5/5/03	8270	Diethylphthalate	11.4		10.9	5.9	5600	NC	NC	NC	NC	NC	NC	ug/L
5/5/03	8270	Isophorone	4 J	J	10.9	2.8	37	NC	NC	NC	NC	NC	NC	ug/L
5/5/03	8260	Naphthalene	8.18		1	0.2	280	NC	NC	NC	NC	NC	NC	ug/L

MW-1S * S Dup

5/5/03	8270	2,4-Dimethylphenol	895	532	35.7	140	NC	NC	NC	NC	NC	NC	NC	ug/L
5/5/03	8270	2-Methylphenol	11		10.6	7.9	350	NC	NC	NC	NC	NC	NC	ug/L
5/5/03	8270	bis(2-Ethylhexyl)phthalate	12.4		6.4	4.3	2	NC	NC	NC	NC	59	6	ug/L
5/5/03	8270	Diethylphthalate	12.1		10.6	5.7	5600	NC	NC	NC	NC	NC	NC	ug/L
5/5/03	8270	Isophorone	4 J	J	10.6	2.8	37	NC	NC	NC	NC	NC	NC	ug/L
5/5/03	8260	Naphthalene	8.11		1	0.2	280	NC	NC	NC	NC	NC	NC	ug/L

MW-4S S

5/5/03	8270	2,4-Dimethylphenol	<33.6	U	50	33.6	140	NC	NC	NC	NC	NC	NC	ug/L
5/5/03	8270	bis(2-Ethylhexyl)phthalate	4 J	J	6	4	2	NC	NC	NC	NC	59	6	ug/L
5/5/03	8270	Diethylphthalate	14.9		10	5.4	5600	NC	NC	NC	NC	NC	NC	ug/L
5/5/03	8260	Naphthalene	2.89		1	0.2	280	NC	NC	NC	NC	NC	NC	ug/L

MW-5B B

5/6/03	8270	2,4-Dimethylphenol	<39.1	U	58.1	39.1	140	NC	NC	NC	NC	NC	NC	ug/L
5/6/03	8270	bis(2-Ethylhexyl)phthalate	<4.7	U	7	4.7	2	NC	NC	NC	NC	59	6	ug/L

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Water Sampling Analytical Results
Barkhamsted - New Hartford Landfill

Only chemicals of concern and detected compounds are reported

Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RL	MDL	Screening Criteria					Units
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL	

Semi-Volatile Organic Monitoring Parameters in Groundwater

MW-5S	S	5/7/03	8270	2,4-Dimethylphenol	<35.7	U	53.2	35.7	140	NC	NC	NC	NC	ug/L
		5/7/03	8270	bis(2-Ethylhexyl)phthalate	<4.3	U	6.4	4.3	2	NC	NC	59	6	ug/L
		5/7/03	8260	Naphthalene	0.7 J	J	1	0.2	280	NC	NC	NC	NC	ug/L
MW-5S *	S Dup													
		5/7/03	8270	2,4-Dimethylphenol	<33.6	U	50	33.6	140	NC	NC	NC	NC	ug/L
		5/7/03	8270	bis(2-Ethylhexyl)phthalate	<4	U	6	4	2	NC	NC	59	6	ug/L
		5/7/03	8260	Naphthalene	0.73 J	J	1	0.2	280	NC	NC	NC	NC	ug/L
S-3	S													
		5/2/03	8270	2,4-Dimethylphenol	<33.6	U	50	33.6	140	NC	NC	NC	NC	ug/L
		5/2/03	8270	bis(2-Ethylhexyl)phthalate	<4	U	6	4	2	NC	NC	59	6	ug/L
		5/2/03	8260	Naphthalene	0.54 J	J	1	0.2	280	NC	NC	NC	NC	ug/L

Volatile Organic Monitoring Parameters in Groundwater

DW-001		5/1/03	524.2	1,2-Dichloroethane	<0.2	U	0.5	0.2	1	21	90	2970	5	ug/L
		5/1/03	524.2	1,2-Dichloropropane	<0.4	U	0.5	0.4	5	14	60	NC	5	ug/L
		5/1/03	524.2	1,4-Dichlorobenzene	<0.2	U	0.5	0.2	75	50000	50000	26000	75	ug/L
		5/1/03	8270	1,4-Dichlorobenzene	<4	U	10.1	4	75	50000	50000	26000	75	ug/L
		5/1/03	524.2	Benzene	<0.2	U	0.5	0.2	1	215	530	710	5	ug/L
		5/1/03	524.2	Chloroethane	<0.2	U	0.5	0.2	NC	NC	NC	NC	NC	ug/L
		5/1/03	524.2	Chloroform	<0.2	U	0.5	0.2	6	287	710	14100	100	ug/L

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Water Sampling Analytical Results
Barkhamsted - New Hartford Landfill

Only chemicals of concern and detected compounds are reported

Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RL	MDL	Screening Criteria					Units
									CT-GW	CT-GW	CT-GW	CT-SW	USEPA	
									RSR	V-Res	V-Ind	RSR	MCL	

Volatile Organic Monitoring Parameters in Groundwater

DW-001

5/1/03	524.2	Chloromethane	<0.2	U	0.5	0.2	2.7	NC	NC	NC	NC	NC	NC	ug/L
5/1/03	524.2	Dibromochloromethane	<0.4	U	0.5	0.4	0.5	NC	NC	NC	NC	1020	100	ug/L
5/1/03	524.2	Methylene Chloride	<0.2	U	0.5	0.2	5	50000	50000	50000	50000	48000	5	ug/L
5/1/03	524.2	Toluene	<0.2	U	0.5	0.2	1000	23500	50000	50000	4000000		1000	ug/L
5/1/03	524.2	Trichloroethene	<0.2	U	0.5	0.2	NC	219	540	540	2340		5	ug/L
5/1/03	524.2	Vinyl Chloride	<0.2	U	0.5	0.2	2	2	2	2	15750		2	ug/L

DW-002

5/2/03	524.2	1,2-Dichloroethane	<0.2	U	0.5	0.2	1	21	90	2970	5	ug/L
5/2/03	524.2	1,2-Dichloropropane	<0.4	U	0.5	0.4	5	14	60	NC	5	ug/L
5/2/03	524.2	1,4-Dichlorobenzene	<0.2	U	0.5	0.2	75	50000	50000	26000	75	ug/L
5/2/03	8270	1,4-Dichlorobenzene	<4	U	10.1	4	75	50000	50000	26000	75	ug/L
5/2/03	524.2	Benzene	<0.2	U	0.5	0.2	1	215	530	710	5	ug/L
5/2/03	524.2	Chloroethane	<0.2	U	0.5	0.2	NC	NC	NC	NC	NC	ug/L
5/2/03	524.2	Chloroform	<0.2	U	0.5	0.2	6	287	710	14100	100	ug/L
5/2/03	524.2	Chloromethane	<0.2	U	0.5	0.2	2.7	NC	NC	NC	NC	ug/L
5/2/03	524.2	Dibromochloromethane	<0.4	U	0.5	0.4	0.5	NC	NC	1020	100	ug/L
5/2/03	524.2	Methylene Chloride	<0.2	U	0.5	0.2	5	50000	50000	48000	5	ug/L
5/2/03	524.2	Toluene	<0.2	U	0.5	0.2	1000	23500	50000	4000000	1000	ug/L
5/2/03	524.2	Trichloroethene	<0.2	U	0.5	0.2	NC	219	540	2340	5	ug/L
5/2/03	524.2	Vinyl Chloride	<0.2	U	0.5	0.2	2	2	2	15750	2	ug/L

DW-003

April 2003
Water Sampling Analytical Results
Barkhamsted - New Hartford Landfill

Only chemicals of concern and detected compounds are reported

Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RL	MDL	Screening Criteria					Units
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL	

Volatile Organic Monitoring Parameters in Groundwater

DW-003

5/2/03	524.2	1,2-Dichloroethane	<0.2	U	0.5	0.2	1	21	90	2970	5	ug/L
5/2/03	524.2	1,2-Dichloropropane	<0.4	U	0.5	0.4	5	14	60	NC	5	ug/L
5/2/03	8270	1,4-Dichlorobenzene	<4.2	U	10.4	4.2	75	50000	50000	26000	75	ug/L
5/2/03	524.2	1,4-Dichlorobenzene	<0.2	U	0.5	0.2	75	50000	50000	26000	75	ug/L
5/2/03	524.2	Benzene	<0.2	U	0.5	0.2	1	215	530	710	5	ug/L
5/2/03	524.2	Chloroethane	<0.2	U	0.5	0.2	NC	NC	NC	NC	NC	ug/L
5/2/03	524.2	Chloroform	<0.2	U	0.5	0.2	6	287	710	14100	100	ug/L
5/2/03	524.2	Chloromethane	<0.2	U	0.5	0.2	2.7	NC	NC	NC	NC	ug/L
5/2/03	524.2	Dibromochloromethane	<0.4	U	0.5	0.4	0.5	NC	NC	1020	100	ug/L
5/2/03	524.2	Methylene Chloride	<0.2	U	0.5	0.2	5	50000	50000	48000	5	ug/L
5/2/03	524.2	Toluene	<0.2	U	0.5	0.2	1000	23500	50000	4000000	1000	ug/L
5/2/03	524.2	Trichloroethene	<0.2	U	0.5	0.2	NC	219	540	2340	5	ug/L
5/2/03	524.2	Vinyl Chloride	<0.2	U	0.5	0.2	2	2	2	15750	2	ug/L

EB #1

5/5/03	8260	1,2-Dichloroethane	<0.2	U	1	0.2	1	21	90	2970	5	ug/L
5/5/03	8260	1,2-Dichloropropane	<0.2	U	1	0.2	5	14	60	NC	5	ug/L
5/5/03	8270	1,4-Dichlorobenzene	<4.2	U	10.4	4.2	75	50000	50000	26000	75	ug/L
5/5/03	8260	1,4-Dichlorobenzene	<0.2	U	1	0.2	75	50000	50000	26000	75	ug/L
5/5/03	8260	2-Butanone	<6	U	25	6	400	50000	50000	NC	NC	ug/L
5/5/03	8260	4-Methyl-2-Pentanone	<0.6	U	10	0.6	NC	NC	NC	NC	NC	ug/L
5/5/03	8260	Acetone	<4.8	U	25	4.8	700	50000	50000	NC	NC	ug/L

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Water Sampling Analytical Results
Barkhamsted - New Hartford Landfill

Only chemicals of concern and detected compounds are reported

Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RL	MDL	Screening Criteria					Units
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL	

Volatile Organic Monitoring Parameters in Groundwater

EB #1

5/5/03	8260	Benzene	<0.2	U	1	0.2	1	215	530	710	5	ug/L
5/5/03	8260	Chloroethane	<0.4	U	2	0.4	NC	NC	NC	NC	NC	ug/L
5/5/03	8260	Chloroform	<0.2	U	1	0.2	6	287	710	14100	100	ug/L
5/5/03	8260	Chloromethane	<0.2	U	2	0.2	2.7	NC	NC	NC	NC	ug/L
5/5/03	8260	Dibromochloromethane	<0.2	U	1	0.2	0.5	NC	NC	1020	100	ug/L
5/5/03	8260	Methylene Chloride	<0.2	U	5	0.2	5	50000	50000	48000	5	ug/L
5/5/03	8260	Toluene	<0.2	U	1	0.2	1000	23500	50000	4000000	1000	ug/L
5/5/03	8260	Trichloroethene	<0.2	U	1	0.2	NC	219	540	2340	5	ug/L
5/5/03	8260	Vinyl Chloride	<0.2	U	2	0.2	2	2	2	15750	2	ug/L

EB #2

5/5/03	8260	1,2-Dichloroethane	<0.2	U	1	0.2	1	21	90	2970	5	ug/L
5/5/03	8260	1,2-Dichloropropane	<0.2	U	1	0.2	5	14	60	NC	5	ug/L
5/5/03	8260	1,4-Dichlorobenzene	<0.2	U	1	0.2	75	50000	50000	26000	75	ug/L
5/5/03	8270	1,4-Dichlorobenzene	<4.3	U	10.6	4.3	75	50000	50000	26000	75	ug/L
5/5/03	8260	2-Butanone	<6	U	25	6	400	50000	50000	NC	NC	ug/L
5/5/03	8260	4-Methyl-2-Pentanone	<0.6	U	10	0.6	NC	NC	NC	NC	NC	ug/L
5/5/03	8260	Acetone	<4.8	U	25	4.8	700	50000	50000	NC	NC	ug/L
5/5/03	8260	Benzene	<0.2	U	1	0.2	1	215	530	710	5	ug/L
5/5/03	8260	Chloroethane	<0.4	U	2	0.4	NC	NC	NC	NC	NC	ug/L
5/5/03	8260	Chloroform	<0.2	U	1	0.2	6	287	710	14100	100	ug/L
5/5/03	8260	Chloromethane	<0.2	U	2	0.2	2.7	NC	NC	NC	NC	ug/L

April 2003
Water Sampling Analytical Results
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Only chemicals of concern and detected compounds are reported

Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RL	MDL	Screening Criteria					Units
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL	
Volatile Organic Monitoring Parameters in Groundwater														
EB #2														
		5/5/03	8260	Dibromochloromethane	<0.2	U	1	0.2	0.5	NC	NC	1020	100	ug/L
		5/5/03	8260	Methylene Chloride	<0.2	U	5	0.2	5	50000	50000	48000	5	ug/L
		5/5/03	8260	Toluene	<0.2	U	1	0.2	1000	23500	50000	4000000	1000	ug/L
		5/5/03	8260	Trichloroethene	<0.2	U	1	0.2	NC	219	540	2340	5	ug/L
		5/5/03	8260	Vinyl Chloride	<0.2	U	2	0.2	2	2	2	15750	2	ug/L
MW-101 I														
		5/8/03	8260	1,2-Dichloroethane	<0.2	U	1	0.2	1	21	90	2970	5	ug/L
		5/8/03	8260	1,2-Dichloropropane	<0.2	U	1	0.2	5	14	60	NC	5	ug/L
		5/8/03	8270	1,4-Dichlorobenzene	<5	U	12.5	5	75	50000	50000	26000	75	ug/L
		5/8/03	8260	1,4-Dichlorobenzene	<0.2	U	1	0.2	75	50000	50000	26000	75	ug/L
		5/8/03	8260	2-Butanone	<6	U	25	6	400	50000	50000	NC	NC	ug/L
		5/8/03	8260	4-Methyl-2-Pentanone	<0.6	U	10	0.6	NC	NC	NC	NC	NC	ug/L
		5/8/03	8260	Acetone	<4.8	U	25	4.8	700	50000	50000	NC	NC	ug/L
		5/8/03	8260	Benzene	<0.2	U	1	0.2	1	215	530	710	5	ug/L
		5/8/03	8260	Chloroethane	<0.4	U	2	0.4	NC	NC	NC	NC	NC	ug/L
		5/8/03	8260	Chloroform	<0.2	U	1	0.2	6	287	710	14100	100	ug/L
		5/8/03	8260	Chloromethane	<0.2	U	2	0.2	2.7	NC	NC	NC	NC	ug/L
		5/8/03	8260	Dibromochloromethane	<0.2	U	1	0.2	0.5	NC	NC	1020	100	ug/L
		5/8/03	8260	Diethyl Ether	1.42		1	0.4	NC	NC	NC	NC	NC	ug/L
		5/8/03	8260	Methylene Chloride	<0.2	U	5	0.2	5	50000	50000	48000	5	ug/L
		5/8/03	8260	Toluene	<0.2	U	1	0.2	1000	23500	50000	4000000	1000	ug/L

April 2003
Water Sampling Analytical Results
Barkhamsted - New Hartford Landfill

Only chemicals of concern and detected compounds are reported

Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RL	MDL	Screening Criteria					Units	
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL		
Volatile Organic Monitoring Parameters in Groundwater															
MW-101 I															
		5/8/03	8260	Trichloroethene	<0.2	U	1	0.2	NC	219	540	2340	5	ug/L	
		5/8/03	8260	Vinyl Chloride	<0.2	U	2	0.2	2	2	2	15750	2	ug/L	
MW-101B B															
		5/7/03	8260	1,2,3-Trichlorobenzene	0.74 J	J	1	0.4	NC	NC	NC	NC	NC	ug/L	
		5/7/03	8260	1,2,4-Trichlorobenzene	0.57 J	J	1	0.4	70	NC	NC	NC	70	ug/L	
		5/7/03	8260	1,2,4-Trimethylbenzene	0.41 J	J	1	0.2	350	NC	NC	NC	NC	ug/L	
		5/7/03	8260	1,2-Dichlorobenzene	0.24 J	J	1	0.2	600	30500	50000	170000	600	ug/L	
		5/7/03	8260	1,2-Dichloroethane	<0.2	U	1	0.2	1	21	90	2970	5	ug/L	
		5/7/03	8260	1,2-Dichloropropane	<0.2	U	1	0.2	5	14	60	NC	5	ug/L	
		5/7/03	8260	1,3,5-Trimethylbenzene	0.22 J	J	1	0.2	350	NC	NC	NC	NC	ug/L	
		5/7/03	8260	1,4-Dichlorobenzene	0.57 J	J	1	0.2	75	50000	50000	26000	75	ug/L	
		5/7/03	8270	1,4-Dichlorobenzene	<4.1	U	10.2	4.1	75	50000	50000	26000	75	ug/L	
		5/7/03	8260	2-Butanone	<6	U	25	6	400	50000	50000	NC	NC	ug/L	
		5/7/03	8260	4-Isopropyltoluene	0.81 J	J	1	0.2	30	NC	NC	NC	NC	ug/L	
		5/7/03	8260	4-Methyl-2-Pentanone	<0.6	U	10	0.6	NC	NC	NC	NC	NC	ug/L	
		5/7/03	8260	Acetone	<4.8	U	25	4.8	700	50000	50000	NC	NC	ug/L	
		5/7/03	8260	Benzene	0.95 J	J	1	0.2	1	215	530	710	5	ug/L	
		5/7/03	8260	Chloroethane	<0.4	U	2	0.4	NC	NC	NC	NC	NC	ug/L	
		5/7/03	8260	Chloroform	<0.2	U	1	0.2	6	287	710	14100	100	ug/L	
		5/7/03	8260	Chloromethane	<0.2	U	2	0.2	2.7	NC	NC	NC	NC	ug/L	
		5/7/03	8260	Dibromochloromethane	<0.2	U	1	0.2	0.5	NC	NC	1020	100	ug/L	

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Water Sampling Analytical Results
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Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RL	MDL	Screening Criteria					Units
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL	

Volatile Organic Monitoring Parameters in Groundwater

MW-101B B

5/7/03	8260	Diethyl Ether	21.5	1	0.4	NC	NC	NC	NC	NC	NC	NC	NC	ug/L
5/7/03	8260	Ethylbenzene	0.97 J	J	1	0.2	700	50000	50000	50000	580000	700	700	ug/L
5/7/03	8260	Isopropylbenzene	0.65 J	J	1	0.2	30	NC	NC	NC	NC	NC	NC	ug/L
5/7/03	8260	Methylene Chloride	<0.2	U	5	0.2	5	50000	50000	50000	48000	5	5	ug/L
5/7/03	8260	n-Butylbenzene	0.55 J	J	1	0.4	61	NC	NC	NC	NC	NC	NC	ug/L
5/7/03	8260	n-Propylbenzene	0.26 J	J	1	0.2	61	NC	NC	NC	NC	NC	NC	ug/L
5/7/03	8260	sec-Butylbenzene	0.42 J	J	1	0.2	61	NC	NC	NC	NC	NC	NC	ug/L
5/7/03	8260	Toluene	1.87	1	0.2	1000	23500	50000	50000	4000000	1000	1000	1000	ug/L
5/7/03	8260	Trichloroethene	<0.2	U	1	0.2	NC	219	540	2340	5	5	5	ug/L
5/7/03	8260	Vinyl Chloride	<0.2	U	2	0.2	2	2	2	15750	2	2	2	ug/L
5/7/03	8260	Xylenes (Total)	0.47 J	J	1	0.2	530	21300	50000	NC	10000	10000	10000	ug/L

MW-101D D

5/8/03	8260	1,2-Dichloroethane	<0.2	U	1	0.2	1	21	90	2970	5	5	5	ug/L
5/8/03	8260	1,2-Dichloropropane	<0.2	U	1	0.2	5	14	60	NC	5	5	5	ug/L
5/8/03	8260	1,4-Dichlorobenzene	<0.2	U	1	0.2	75	50000	50000	26000	75	75	75	ug/L
5/8/03	8270	1,4-Dichlorobenzene	<4	U	10	4	75	50000	50000	26000	75	75	75	ug/L
5/8/03	8260	2-Butanone	<6	U	25	6	400	50000	50000	NC	NC	NC	NC	ug/L
5/8/03	8260	4-Methyl-2-Pentanone	<0.6	U	10	0.6	NC	NC	NC	NC	NC	NC	NC	ug/L
5/8/03	8260	Acetone	<4.8	U	25	4.8	700	50000	50000	NC	NC	NC	NC	ug/L
5/8/03	8260	Benzene	<0.2	U	1	0.2	1	215	530	710	5	5	5	ug/L
5/8/03	8260	Chloroethane	<0.4	U	2	0.4	NC	NC	NC	NC	NC	NC	NC	ug/L

April 2003
Water Sampling Analytical Results
Barkhamsted - New Hartford Landfill

Only chemicals of concern and detected compounds are reported

Well Location	Depth	Sample Date	Method	Analyte	Result	Qualified	RI	MDL	Screening Criteria					Units	
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL		
Volatile Organic Monitoring Parameters in Groundwater															
MW-101D D															
		5/8/03	8260	Chloroform	<0.2	U	1	0.2	6	287	710	14100	100	ug/L	
		5/8/03	8260	Chloromethane	<0.2	U	2	0.2	2.7	NC	NC	NC	NC	ug/L	
		5/8/03	8260	Dibromochloromethane	<0.2	U	1	0.2	0.5	NC	NC	1020	100	ug/L	
		5/8/03	8260	Methylene Chloride	<0.2	U	5	0.2	5	50000	50000	48000	5	ug/L	
		5/8/03	8260	Toluene	<0.2	U	1	0.2	1000	23500	50000	4000000	1000	ug/L	
		5/8/03	8260	Trichloroethene	<0.2	U	1	0.2	NC	219	540	2340	5	ug/L	
		5/8/03	8260	Vinyl Chloride	<0.2	U	2	0.2	2	2	2	15750	2	ug/L	
MW-101S S															
		5/7/03	8260	1,2-Dichloroethane	<20	U	100	20	1	21	90	2970	5	ug/L	
		5/7/03	8260	1,2-Dichloropropane	<20	U	100	20	5	14	60	NC	5	ug/L	
		5/7/03	8260	1,4-Dichlorobenzene	<20	U	100	20	75	50000	50000	26000	75	ug/L	
		5/7/03	8270	1,4-Dichlorobenzene	11.2		11	4.4	75	50000	50000	26000	75	ug/L	
		5/7/03	8260	2-Butanone	<600	U	2500	600	400	50000	50000	NC	NC	ug/L	
		5/7/03	8260	4-Methyl-2-Pentanone	<60	U	1000	60	NC	NC	NC	NC	NC	ug/L	
		5/7/03	8260	Acetone	<480	U	2500	480	700	50000	50000	NC	NC	ug/L	
		5/7/03	8260	Benzene	<20	U	100	20	1	215	530	710	5	ug/L	
		5/7/03	8260	Chloroethane	<40	U	200	40	NC	NC	NC	NC	NC	ug/L	
		5/7/03	8260	Chloroform	<20	U	100	20	6	287	710	14100	100	ug/L	
		5/7/03	8260	Chloromethane	<20	U	200	20	2.7	NC	NC	NC	NC	ug/L	
		5/7/03	8260	Dibromochloromethane	<20	U	100	20	0.5	NC	NC	1020	100	ug/L	
		5/7/03	8260	Diethyl Ether	267		100	40	NC	NC	NC	NC	NC	ug/L	

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Water Sampling Analytical Results
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Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RL	MDL	Screening Criteria					Units
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL	
Volatile Organic Monitoring Parameters in Groundwater														
MW-101S S														
		5/7/03	8260	Ethylbenzene	28 J	J	100	20	700	50000	50000	580000	700	ug/L
		5/7/03	8260	Methylene Chloride	<20	U	500	20	5	50000	50000	48000	5	ug/L
		5/7/03	8260	Toluene	12000		1000	20	1000	23500	50000	4000000	1000	ug/L
		5/7/03	8260	Trichloroethene	<20	U	100	20	NC	219	540	2340	5	ug/L
		5/7/03	8260	Vinyl Chloride	<20	U	200	20	2	2	2	15750	2	ug/L
		5/7/03	8260	Xylenes (Total)	24 J	J	100	20	530	21300	50000	NC	10000	ug/L
MW-102B B														
		5/1/03	8260	1,2-Dichloroethane	<0.2	U	1	0.2	1	21	90	2970	5	ug/L
		5/1/03	8260	1,2-Dichloropropane	<0.2	U	1	0.2	5	14	60	NC	5	ug/L
		5/1/03	8260	1,4-Dichlorobenzene	0.85 J	J	1	0.2	75	50000	50000	26000	75	ug/L
		5/1/03	8270	1,4-Dichlorobenzene	<4.1	U	10.2	4.1	75	50000	50000	26000	75	ug/L
		5/1/03	8260	2-Butanone	<6	U	25	6	400	50000	50000	NC	NC	ug/L
		5/1/03	8260	4-Methyl-2-Pentanone	<0.6	U	10	0.6	NC	NC	NC	NC	NC	ug/L
		5/1/03	8260	Acetone	<4.8	U	25	4.8	700	50000	50000	NC	NC	ug/L
		5/1/03	8260	Benzene	<0.2	U	1	0.2	1	215	530	710	5	ug/L
		5/1/03	8260	Chlorobenzene	0.32 J	J	1	0.2	100	1800	6150	420000	100	ug/L
		5/1/03	8260	Chloroethane	2.17		2	0.4	NC	NC	NC	NC	NC	ug/L
		5/1/03	8260	Chloroform	<0.2	U	1	0.2	6	287	710	14100	100	ug/L
		5/1/03	8260	Chloromethane	<0.2	U	2	0.2	2.7	NC	NC	NC	NC	ug/L
		5/1/03	8260	cis-1,2-Dichloroethene	0.75 J	J	1	0.2	70	NC	NC	NC	70	ug/L
		5/1/03	8260	Dibromochloromethane	<0.2	U	1	0.2	0.5	NC	NC	1020	100	ug/L

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Water Sampling Analytical Results
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Well Location	Depth	Sample Date	Method	Analyte	Result	Qualified	RL	MDL	Screening Criteria					Units	
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL		
Volatile Organic Monitoring Parameters in Groundwater															
MW-102B B															
		5/1/03	8260	Dichlorodifluoromethane	0.58 J	J	2	0.2	NC	NC	NC	NC	NC	ug/L	
		5/1/03	8260	Diethyl Ether	26.8		1	0.4	NC	NC	NC	NC	NC	ug/L	
		5/1/03	8260	Methyl tert-Butyl Ether	1.72		1	0.2	70	50000	50000	NC	NC	ug/L	
		5/1/03	8260	Methylene Chloride	0.44 J	J	5	0.2	5	50000	50000	48000	5	ug/L	
		5/1/03	8260	Tetrahydrofuran	24		5	1.6	NC	NC	NC	NC	NC	ug/L	
		5/1/03	8260	Toluene	1		1	0.2	1000	23500	50000	4000000	1000	ug/L	
		5/1/03	8260	trans-1,2-Dichloroethene	1		1	0.2	100	NC	NC	NC	100	ug/L	
		5/1/03	8260	trans-1,3-Dichloropropene	0.5		0.5	0.2	NC	NC	NC	NC	NC	ug/L	
		5/1/03	8260	Trichloroethene	1		1	0.2	NC	219	540	2340	5	ug/L	
		5/1/03	8260	Trichlorofluoromethane	2		2	0.2	1300	NC	NC	NC	NC	ug/L	
		5/1/03	8260	Vinyl Acetate	1		1	0.2	NC	NC	NC	NC	NC	ug/L	
		5/1/03	8260	Vinyl Chloride	2		2	0.2	2	2	2	15750	2	ug/L	
		5/1/03	8260	Xylenes (Total)	1		1	0.2	530	21300	50000	NC	10000	ug/L	
MW-102B B Dup															
		5/1/03	8260	1,2-Dichloroethane	<0.2	U	1	0.2	1	21	90	2970	5	ug/L	
		5/1/03	8260	1,2-Dichloropropane	<0.2	U	1	0.2	5	14	60	NC	5	ug/L	
		5/1/03	8270	1,4-Dichlorobenzene	<4.1	U	10.2	4.1	75	50000	50000	26000	75	ug/L	
		5/1/03	8260	1,4-Dichlorobenzene	0.87 J	J	1	0.2	75	50000	50000	26000	75	ug/L	
		5/1/03	8260	Acetone	<4.8	U	25	4.8	700	50000	50000	NC	NC	ug/L	
		5/1/03	8260	Benzene	1.02		1	0.2	1	215	530	710	5	ug/L	
		5/1/03	8260	Chloroethane	1.9 J	J	2	0.4	NC	NC	NC	NC	NC	ug/L	

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Water Sampling Analytical Results
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Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RL	MDL	Screening Criteria					Units
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL	

Volatile Organic Monitoring Parameters in Groundwater

MW-102B B Dup

5/1/03	8260	Chloromethane	<0.2	U	2	0.2	2.7	NC	NC	NC	NC	NC	NC	ug/L
5/1/03	8260	cis-1,2-Dichloroethene	0.66 J	J	1	0.2	70	NC	NC	NC	NC	NC	70	ug/L
5/1/03	8260	Dibromochloromethane	<0.2	U	1	0.2	0.5	NC	NC	NC	NC	1020	100	ug/L
5/1/03	8260	Dibromomethane	1		1	0.2	NC	NC	NC	NC	NC	NC	NC	ug/L
5/1/03	8260	Methyl tert-Butyl Ether	1.52		1	0.2	70	50000	50000	50000	NC	NC	NC	ug/L

MW-102S S

5/1/03	8260	1,2-Dichloroethane	<0.2	U	1	0.2	1	21	90	2970	5	ug/L
5/1/03	8260	1,2-Dichloropropane	<0.2	U	1	0.2	5	14	60	NC	5	ug/L
5/1/03	8260	1,4-Dichlorobenzene	<0.2	U	1	0.2	75	50000	50000	26000	75	ug/L
5/1/03	8270	1,4-Dichlorobenzene	<4.5	U	11.2	4.5	75	50000	50000	26000	75	ug/L
5/1/03	8260	2-Butanone	<6	U	25	6	400	50000	50000	NC	NC	ug/L
5/1/03	8260	4-Methyl-2-Pentanone	<0.6	U	10	0.6	NC	NC	NC	NC	NC	ug/L
5/1/03	8260	Acetone	<4.8	U	25	4.8	700	50000	50000	NC	NC	ug/L
5/1/03	8260	Benzene	<0.2	U	1	0.2	1	215	530	710	5	ug/L
5/1/03	8260	Chloroethane	<0.4	U	2	0.4	NC	NC	NC	NC	NC	ug/L
5/1/03	8260	Chloroform	<0.2	U	1	0.2	6	287	710	14100	100	ug/L
5/1/03	8260	Chloromethane	<0.2	U	2	0.2	2.7	NC	NC	NC	NC	ug/L
5/1/03	8260	Dibromochloromethane	<0.2	U	1	0.2	0.5	NC	NC	1020	100	ug/L
5/1/03	8260	Methylene Chloride	<0.2	U	5	0.2	5	50000	50000	48000	5	ug/L
5/1/03	8260	Toluene	<0.2	U	1	0.2	1000	23500	50000	4000000	1000	ug/L
5/1/03	8260	Trichloroethene	<0.2	U	1	0.2	NC	219	540	2340	5	ug/L

April 2003
Water Sampling Analytical Results
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Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RL	MDL	Screening Criteria					Units	
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL		
Volatile Organic Monitoring Parameters in Groundwater															
MW-102S	S	5/1/03	8260	Vinyl Chloride	<0.2	U	2	0.2	2	2	2	15750	2	ug/L	
MW-103B	B	5/1/03	8260	1,1,1-Trichloroethane	0.43 J	J	1	0.2	200	20400	50000	62000	200	ug/L	
		5/1/03	8260	1,2-Dichloroethane	<0.2	U	1	0.2	1	21	90	2970	5	ug/L	
		5/1/03	8260	1,2-Dichloropropane	<0.2	U	1	0.2	5	14	60	NC	5	ug/L	
		5/1/03	8260	1,4-Dichlorobenzene	<0.2	U	1	0.2	75	50000	50000	26000	75	ug/L	
		5/1/03	8270	1,4-Dichlorobenzene	<4.1	U	10.2	4.1	75	50000	50000	26000	75	ug/L	
		5/1/03	8260	2-Butanone	<6	U	25	6	400	50000	50000	NC	NC	ug/L	
		5/1/03	8260	4-Methyl-2-Pentanone	<0.6	U	10	0.6	NC	NC	NC	NC	NC	ug/L	
		5/1/03	8260	Acetone	<4.8	U	25	4.8	700	50000	50000	NC	NC	ug/L	
		5/1/03	8260	Benzene	<0.2	U	1	0.2	1	215	530	710	5	ug/L	
		5/1/03	8260	Chloroethane	<0.4	U	2	0.4	NC	NC	NC	NC	NC	ug/L	
		5/1/03	8260	Chloroform	<0.2	U	1	0.2	6	287	710	14100	100	ug/L	
		5/1/03	8260	Chloromethane	<0.2	U	2	0.2	2.7	NC	NC	NC	NC	ug/L	
		5/1/03	8260	Dibromochloromethane	<0.2	U	1	0.2	0.5	NC	NC	1020	100	ug/L	
		5/1/03	8260	Diethyl Ether	1.02		1	0.4	NC	NC	NC	NC	NC	ug/L	
		5/1/03	8260	Methyl tert-Butyl Ether	1.61		1	0.2	70	50000	50000	NC	NC	ug/L	
		5/1/03	8260	Methylene Chloride	<0.2	U	5	0.2	5	50000	50000	48000	5	ug/L	
		5/1/03	8260	Tetrachloroethene	0.82 J	J	1	0.2	5	1500	3820	88	5	ug/L	
		5/1/03	8260	Toluene	<0.2	U	1	0.2	1000	23500	50000	4000000	1000	ug/L	
		5/1/03	8260	Trichloroethene	<0.2	U	1	0.2	NC	219	540	2340	5	ug/L	

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Water Sampling Analytical Results
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Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RL	MDL	Screening Criteria					Units	
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL		
Volatile Organic Monitoring Parameters in Groundwater															
MW-103B	B	5/1/03	8260	Vinyl Chloride	<0.2	U	2	0.2	2	2	2	15750	2		ug/L
MW-103S	S	5/1/03	8260	1,2-Dichloroethane	<0.2	U	1	0.2	1	21	90	2970	5		ug/L
		5/1/03	8260	1,2-Dichloropropane	<0.2	U	1	0.2	5	14	60	NC	5		ug/L
		5/1/03	8260	1,4-Dichlorobenzene	<0.2	U	1	0.2	75	50000	50000	26000	75		ug/L
		5/1/03	8270	1,4-Dichlorobenzene	<4	U	10	4	75	50000	50000	26000	75		ug/L
		5/1/03	8260	2-Butanone	<6	U	25	6	400	50000	50000	NC	NC		ug/L
		5/1/03	8260	4-Methyl-2-Pentanone	<0.6	U	10	0.6	NC	NC	NC	NC	NC		ug/L
		5/1/03	8260	Acetone	<4.8	U	25	4.8	700	50000	50000	NC	NC		ug/L
		5/1/03	8260	Benzene	<0.2	U	1	0.2	1	215	530	710	5		ug/L
		5/1/03	8260	Chloroethane	<0.4	U	2	0.4	NC	NC	NC	NC	NC		ug/L
		5/1/03	8260	Chloroform	<0.2	U	1	0.2	6	287	710	14100	100		ug/L
MW-104 I	I	5/1/03	8260	Chloromethane	<0.2	U	2	0.2	2.7	NC	NC	NC	NC		ug/L
		5/1/03	8260	Dibromochloromethane	<0.2	U	1	0.2	0.5	NC	NC	1020	100		ug/L
		5/1/03	8260	Methylene Chloride	<0.2	U	5	0.2	5	50000	50000	48000	5		ug/L
		5/1/03	8260	Tetrachloroethene	0.42 J	J	1	0.2	5	1500	3820	88	5		ug/L
		5/1/03	8260	Toluene	<0.2	U	1	0.2	1000	23500	50000	4000000	1000		ug/L
		5/1/03	8260	Trichloroethene	<0.2	U	1	0.2	NC	219	540	2340	5		ug/L
		5/1/03	8260	Vinyl Chloride	<0.2	U	2	0.2	2	2	2	15750	2		ug/L
		5/5/03	8260	1,2-Dichloroethane	<0.2	U	1	0.2	1	21	90	2970	5		ug/L

April 2003
Water Sampling Analytical Results
Barkhamsted - New Hartford Landfill

Only chemicals of concern and detected compounds are reported

Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RL	MDL	Screening Criteria					Units
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL	
Volatile Organic Monitoring Parameters in Groundwater														
MW-104 I I														
		5/5/03	8260	1,2-Dichloropropane	<0.2	U	1	0.2	5	14	60	NC	5	ug/L
		5/5/03	8260	1,4-Dichlorobenzene	<0.2	U	1	0.2	75	50000	50000	26000	75	ug/L
		5/5/03	8270	1,4-Dichlorobenzene	<4	U	10	4	75	50000	50000	26000	75	ug/L
		5/5/03	8260	2-Butanone	<6	U	25	6	400	50000	50000	NC	NC	ug/L
		5/5/03	8260	4-Methyl-2-Pentanone	<0.6	U	10	0.6	NC	NC	NC	NC	NC	ug/L
		5/5/03	8260	Acetone	<4.8	U	25	4.8	700	50000	50000	NC	NC	ug/L
		5/5/03	8260	Benzene	<0.2	U	1	0.2	1	215	530	710	5	ug/L
		5/5/03	8260	Chloroethane	<0.4	U	2	0.4	NC	NC	NC	NC	NC	ug/L
		5/5/03	8260	Chloroform	<0.2	U	1	0.2	6	287	710	14100	100	ug/L
		5/5/03	8260	Chloromethane	<0.2	U	2	0.2	2.7	NC	NC	NC	NC	ug/L
		5/5/03	8260	Dibromochloromethane	<0.2	U	1	0.2	0.5	NC	NC	1020	100	ug/L
		5/5/03	8260	Methylene Chloride	<0.2	U	5	0.2	5	50000	50000	48000	5	ug/L
		5/5/03	8260	Toluene	<0.2	U	1	0.2	1000	23500	50000	4000000	1000	ug/L
		5/5/03	8260	Trichloroethene	<0.2	U	1	0.2	NC	219	540	2340	5	ug/L
		5/5/03	8260	Vinyl Chloride	<0.2	U	2	0.2	2	2	2	15750	2	ug/L
MW-104B B														
		5/5/03	8260	1,2-Dichloroethane	<0.2	U	1	0.2	1	21	90	2970	5	ug/L
		5/5/03	8260	1,2-Dichloropropane	<0.2	U	1	0.2	5	14	60	NC	5	ug/L
		5/5/03	8270	1,4-Dichlorobenzene	<4	U	10.1	4	75	50000	50000	26000	75	ug/L
		5/5/03	8260	1,4-Dichlorobenzene	<0.2	U	1	0.2	75	50000	50000	26000	75	ug/L
		5/5/03	8260	2-Butanone	<6	U	25	6	400	50000	50000	NC	NC	ug/L

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Water Sampling Analytical Results
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Only chemicals of concern and detected compounds are reported

Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RL	MDL	Screening Criteria					Units	
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL		
Volatile Organic Monitoring Parameters in Groundwater															
MW-104B B															
		5/5/03	8260	4-Methyl-2-Pentanone	<0.6	U	10	0.6	NC	NC	NC	NC	NC	ug/L	
		5/5/03	8260	Acetone	<4.8	U	25	4.8	700	50000	50000	NC	NC	ug/L	
		5/5/03	8260	Benzene	<0.2	U	1	0.2	1	215	530	710	5	ug/L	
		5/5/03	8260	Chloroethane	<0.4	U	2	0.4	NC	NC	NC	NC	NC	ug/L	
		5/5/03	8260	Chloroform	<0.2	U	1	0.2	6	287	710	14100	100	ug/L	
		5/5/03	8260	Chloromethane	<0.2	U	2	0.2	2.7	NC	NC	NC	NC	ug/L	
		5/5/03	8260	Dibromochloromethane	<0.2	U	1	0.2	0.5	NC	NC	1020	100	ug/L	
		5/5/03	8260	Methylene Chloride	<0.2	U	5	0.2	5	50000	50000	48000	5	ug/L	
		5/5/03	8260	Toluene	<0.2	U	1	0.2	1000	23500	50000	4000000	1000	ug/L	
		5/5/03	8260	Trichloroethene	<0.2	U	1	0.2	NC	219	540	2340	5	ug/L	
		5/5/03	8260	Vinyl Chloride	<0.2	U	2	0.2	2	2	2	15750	2	ug/L	
MW-104S S															
		5/5/03	8260	1,2-Dichloroethane	<0.2	U	1	0.2	1	21	90	2970	5	ug/L	
		5/5/03	8260	1,2-Dichloropropane	<0.2	U	1	0.2	5	14	60	NC	5	ug/L	
		5/5/03	8270	1,4-Dichlorobenzene	<4.1	U	10.2	4.1	75	50000	50000	26000	75	ug/L	
		5/5/03	8260	1,4-Dichlorobenzene	<0.2	U	1	0.2	75	50000	50000	26000	75	ug/L	
		5/5/03	8260	2-Butanone	<6	U	25	6	400	50000	50000	NC	NC	ug/L	
		5/5/03	8260	4-Methyl-2-Pentanone	<0.6	U	10	0.6	NC	NC	NC	NC	NC	ug/L	
		5/5/03	8260	Acetone	<4.8	U	25	4.8	700	50000	50000	NC	NC	ug/L	
		5/5/03	8260	Benzene	<0.2	U	1	0.2	1	215	530	710	5	ug/L	
		5/5/03	8260	Chloroethane	<0.4	U	2	0.4	NC	NC	NC	NC	NC	ug/L	

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Water Sampling Analytical Results
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Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RL	MDL	Screening Criteria					Units
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL	

Volatile Organic Monitoring Parameters in Groundwater

MW-104S S

5/5/03	8260	Chloroform	<0.2	U	1	0.2	6	287	710	14100	100	ug/L
5/5/03	8260	Chloromethane	<0.2	U	2	0.2	2.7	NC	NC	NC	NC	ug/L
5/5/03	8260	Dibromochloromethane	<0.2	U	1	0.2	0.5	NC	NC	1020	100	ug/L
5/5/03	8260	Methylene Chloride	<0.2	U	5	0.2	5	50000	50000	48000	5	ug/L
5/5/03	8260	Toluene	<0.2	U	1	0.2	1000	23500	50000	4000000	1000	ug/L
5/5/03	8260	Trichloroethene	<0.2	U	1	0.2	NC	219	540	2340	5	ug/L
5/5/03	8260	Vinyl Chloride	<0.2	U	2	0.2	2	2	2	15750	2	ug/L

MW-106S S

5/2/03	8260	1,2-Dichloroethane	<0.2	U	1	0.2	1	21	90	2970	5	ug/L
5/2/03	8260	1,2-Dichloropropane	<0.2	U	1	0.2	5	14	60	NC	5	ug/L
5/2/03	8260	1,4-Dichlorobenzene	<0.2	U	1	0.2	75	50000	50000	26000	75	ug/L
5/2/03	8270	1,4-Dichlorobenzene	<4	U	10	4	75	50000	50000	26000	75	ug/L
5/2/03	8260	2-Butanone	<6	U	25	6	400	50000	50000	NC	NC	ug/L
5/2/03	8260	4-Methyl-2-Pentanone	<0.6	U	10	0.6	NC	NC	NC	NC	NC	ug/L
5/2/03	8260	Acetone	<4.8	U	25	4.8	700	50000	50000	NC	NC	ug/L
5/2/03	8260	Benzene	<0.2	U	1	0.2	1	215	530	710	5	ug/L
5/2/03	8260	Chloroethane	<0.4	U	2	0.4	NC	NC	NC	NC	NC	ug/L
5/2/03	8260	Chloroform	<0.2	U	1	0.2	6	287	710	14100	100	ug/L
5/2/03	8260	Chloromethane	<0.2	U	2	0.2	2.7	NC	NC	NC	NC	ug/L
5/2/03	8260	Dibromochloromethane	<0.2	U	1	0.2	0.5	NC	NC	1020	100	ug/L
5/2/03	8260	Diethyl Ether	1.12		1	0.4	NC	NC	NC	NC	NC	ug/L

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Water Sampling Analytical Results
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Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RL	MDL	Screening Criteria					Units
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL	
Volatile Organic Monitoring Parameters in Groundwater														
MW-106S S														
		5/2/03	8260	Methylene Chloride	<0.2	U	5	0.2	5	50000	50000	48000	5	ug/L
		5/2/03	8260	Toluene	<0.2	U	1	0.2	1000	23500	50000	4000000	1000	ug/L
		5/2/03	8260	Trichloroethene	<0.2	U	1	0.2	NC	219	540	2340	5	ug/L
		5/2/03	8260	Vinyl Chloride	<0.2	U	2	0.2	2	2	2	15750	2	ug/L
MW-110I I														
		5/5/03	8260	1,2-Dichloroethane	<0.2	U	1	0.2	1	21	90	2970	5	ug/L
		5/5/03	8260	1,2-Dichloropropane	<0.2	U	1	0.2	5	14	60	NC	5	ug/L
		5/5/03	8260	1,4-Dichlorobenzene	0.35 J	J	1	0.2	75	50000	50000	26000	75	ug/L
		5/5/03	8270	1,4-Dichlorobenzene	<4	U	10.1	4	75	50000	50000	26000	75	ug/L
		5/5/03	8260	2-Butanone	<6	U	25	6	400	50000	50000	NC	NC	ug/L
		5/5/03	8260	4-Methyl-2-Pentanone	<0.6	U	10	0.6	NC	NC	NC	NC	NC	ug/L
		5/5/03	8260	Acetone	<4.8	U	25	4.8	700	50000	50000	NC	NC	ug/L
		5/5/03	8260	Benzene	0.78 J	J	1	0.2	1	215	530	710	5	ug/L
		5/5/03	8260	Chloroethane	1.17 J	J	2	0.4	NC	NC	NC	NC	NC	ug/L
		5/5/03	8260	Chloroform	<0.2	U	1	0.2	6	287	710	14100	100	ug/L
		5/5/03	8260	Chloromethane	<0.2	U	2	0.2	2.7	NC	NC	NC	NC	ug/L
		5/5/03	8260	cis-1,2-Dichloroethene	0.31 J	J	1	0.2	70	NC	NC	NC	70	ug/L
		5/5/03	8260	Dibromochloromethane	<0.2	U	1	0.2	0.5	NC	NC	1020	100	ug/L
		5/5/03	8260	Diethyl Ether	21.2		1	0.4	NC	NC	NC	NC	NC	ug/L
		5/5/03	8260	Methyl tert-Butyl Ether	0.79 J	J	1	0.2	70	50000	50000	NC	NC	ug/L
		5/5/03	8260	Methylene Chloride	<0.2	U	5	0.2	5	50000	50000	48000	5	ug/L

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Water Sampling Analytical Results
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Only chemicals of concern and detected compounds are reported

Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RL	MDL	Screening Criteria					Units
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL	
Volatile Organic Monitoring Parameters in Groundwater														
MW-110 I														
		5/5/03	8260	Toluene	<0.2	U	1	0.2	1000	23500	50000	4000000	1000	ug/L
		5/5/03	8260	Trichloroethene	<0.2	U	1	0.2	NC	219	540	2340	5	ug/L
		5/5/03	8260	Vinyl Chloride	<0.2	U	2	0.2	2	2	2	15750	2	ug/L
MW-111 I														
		5/7/03	8260	1,1-Dichloroethane	1.33		1	0.2	70	34600	50000	NC	NC	ug/L
		5/7/03	8260	1,2-Dichloroethane	<0.2	U	1	0.2	1	.21	90	2970	5	ug/L
		5/7/03	8260	1,2-Dichloropropane	<0.2	U	1	0.2	5	14	60	NC	5	ug/L
		5/7/03	8270	1,4-Dichlorobenzene	<4	U	10	4	75	50000	50000	26000	75	ug/L
		5/7/03	8260	1,4-Dichlorobenzene	<0.2	U	1	0.2	75	50000	50000	26000	75	ug/L
		5/7/03	8260	2-Butanone	<6	U	25	6	400	50000	50000	NC	NC	ug/L
		5/7/03	8260	4-Methyl-2-Pentanone	<0.6	U	10	0.6	NC	NC	NC	NC	NC	ug/L
		5/7/03	8260	Acetone	<4.8	U	25	4.8	700	50000	50000	NC	NC	ug/L
		5/7/03	8260	Benzene	1.02		1	0.2	1	215	530	710	5	ug/L
		5/7/03	8260	Chloroethane	4.29		2	0.4	NC	NC	NC	NC	NC	ug/L
		5/7/03	8260	Chloroform	<0.2	U	1	0.2	6	287	710	14100	100	ug/L
		5/7/03	8260	Chloromethane	<0.2	U	2	0.2	2.7	NC	NC	NC	NC	ug/L
		5/7/03	8260	cis-1,2-Dichloroethene	4.42		1	0.2	70	NC	NC	NC	70	ug/L
		5/7/03	8260	Dibromochloromethane	<0.2	U	1	0.2	0.5	NC	NC	1020	100	ug/L
		5/7/03	8260	Diethyl Ether	30.4		1	0.4	NC	NC	NC	NC	NC	ug/L
		5/7/03	8260	Methyl tert-Butyl Ether	3.81		1	0.2	70	50000	50000	NC	NC	ug/L
		5/7/03	8260	Methylene Chloride	0.29 J	J	5	0.2	5	50000	50000	48000	5	ug/L

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Water Sampling Analytical Results
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Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RL	MDL	Screening Criteria					Units
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL	

Volatile Organic Monitoring Parameters in Groundwater

MW-1111 I

5/7/03	8260			Tetrahydrofuran	26.5		5	1.6	NC	NC	NC	NC	NC	ug/L
5/7/03	8260			Toluene	<0.2	U	1	0.2	1000	23500	50000	4000000	1000	ug/L
5/7/03	8260			Trichloroethene	0.88 J	J	1	0.2	NC	219	540	2340	5	ug/L
5/7/03	8260			Vinyl Chloride	<0.2	U	2	0.2	2	2	2	15750	2	ug/L

MW-111B B

5/7/03	8260			1,2-Dichloroethane	<0.2	U	1	0.2	1	21	90	2970	5	ug/L
5/7/03	8260			1,2-Dichloropropane	<0.2	U	1	0.2	5	14	60	NC	5	ug/L
5/7/03	8270			1,4-Dichlorobenzene	<4	U	10	4	75	50000	50000	26000	75	ug/L
5/7/03	8260			1,4-Dichlorobenzene	<0.2	U	1	0.2	75	50000	50000	26000	75	ug/L
5/7/03	8260			2-Butanone	<6	U	25	6	400	50000	50000	NC	NC	ug/L
5/7/03	8260			4-Methyl-2-Pentanone	<0.6	U	10	0.6	NC	NC	NC	NC	NC	ug/L
5/7/03	8260			Acetone	<4.8	U	25	4.8	700	50000	50000	NC	NC	ug/L
5/7/03	8260			Benzene	0.45 J	J	1	0.2	1	215	530	710	5	ug/L
5/7/03	8260			Chloroethane	1.92 J	J	2	0.4	NC	NC	NC	NC	NC	ug/L
5/7/03	8260			Chloroform	<0.2	U	1	0.2	6	287	710	14100	100	ug/L
5/7/03	8260			Chloromethane	<0.2	U	2	0.2	2.7	NC	NC	NC	NC	ug/L
5/7/03	8260			cis-1,2-Dichloroethene	3.48		1	0.2	70	NC	NC	NC	70	ug/L
5/7/03	8260			Dibromochloromethane	<0.2	U	1	0.2	0.5	NC	NC	1020	100	ug/L
5/7/03	8260			Diethyl Ether	7.44		1	0.4	NC	NC	NC	NC	NC	ug/L
5/7/03	8260			Methyl tert-Butyl Ether	4.18		1	0.2	70	50000	50000	NC	NC	ug/L
5/7/03	8260			Methylene Chloride	<0.2	U	5	0.2	5	50000	50000	48000	5	ug/L

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Water Sampling Analytical Results
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Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RL	MDL	Screening Criteria					Units
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL	
Volatile Organic Monitoring Parameters in Groundwater														
MW-111B B														
		5/7/03	8260	Tetrahydrofuran	6.48		5	1.6	NC	NC	NC	NC	NC	ug/L
		5/7/03	8260	Toluene	<0.2	U	1	0.2	1000	23500	50000	4000000	1000	ug/L
		5/7/03	8260	Trichloroethene	0.8 J	J	1	0.2	NC	219	540	2340	5	ug/L
		5/7/03	8260	Vinyl Chloride	<0.2	U	2	0.2	2	2	2	15750	2	ug/L
MW-111S S														
		5/7/03	8260	1,2-Dichloroethane	<0.2	U	1	0.2	1	21	90	2970	5	ug/L
		5/7/03	8260	1,2-Dichloropropane	<0.2	U	1	0.2	5	14	60	NC	5	ug/L
		5/7/03	8260	1,4-Dichlorobenzene	<0.2	U	1	0.2	75	50000	50000	26000	75	ug/L
		5/7/03	8270	1,4-Dichlorobenzene	<4	U	10.1	4	75	50000	50000	26000	75	ug/L
		5/7/03	8260	2-Butanone	<6	U	25	6	400	50000	50000	NC	NC	ug/L
		5/7/03	8260	4-Methyl-2-Pentanone	<0.6	U	10	0.6	NC	NC	NC	NC	NC	ug/L
		5/7/03	8260	Acetone	<4.8	U	25	4.8	700	50000	50000	NC	NC	ug/L
		5/7/03	8260	Benzene	<0.2	U	1	0.2	1	215	530	710	5	ug/L
		5/7/03	8260	Chloroethane	<0.4	U	2	0.4	NC	NC	NC	NC	NC	ug/L
		5/7/03	8260	Chloroform	<0.2	U	1	0.2	6	287	710	14100	100	ug/L
		5/7/03	8260	Chloromethane	<0.2	U	2	0.2	2.7	NC	NC	NC	NC	ug/L
		5/7/03	8260	Dibromochloromethane	<0.2	U	1	0.2	0.5	NC	NC	1020	100	ug/L
		5/7/03	8260	Methyl tert-Butyl Ether	7.4		1	0.2	70	50000	50000	NC	NC	ug/L
		5/7/03	8260	Methylene Chloride	<0.2	U	5	0.2	5	50000	50000	48000	5	ug/L
		5/7/03	8260	Toluene	<0.2	U	1	0.2	1000	23500	50000	4000000	1000	ug/L
		5/7/03	8260	Trichloroethene	<0.2	U	1	0.2	NC	219	540	2340	5	ug/L

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Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RL	MDL	Screening Criteria					Units
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL	
Volatile Organic Monitoring Parameters in Groundwater														
MW-111S	S	5/7/03	8260	Vinyl Chloride	<0.2	U	2	0.2	2	2	2	15750	2	ug/L
MW-112B	B	5/5/03	8260	1,2-Dichloroethane	<0.2	U	1	0.2	1	21	90	2970	5	ug/L
		5/5/03	8260	1,2-Dichloropropane	<0.2	U	1	0.2	5	14	60	NC	5	ug/L
		5/5/03	8260	1,4-Dichlorobenzene	<0.2	U	1	0.2	75	50000	50000	26000	75	ug/L
		5/5/03	8270	1,4-Dichlorobenzene	<4.2	U	10.5	4.2	75	50000	50000	26000	75	ug/L
		5/5/03	8260	2-Butanone	<6	U	25	6	400	50000	50000	NC	NC	ug/L
		5/5/03	8260	4-Methyl-2-Pentanone	<0.6	U	10	0.6	NC	NC	NC	NC	NC	ug/L
		5/5/03	8260	Acetone	<4.8	U	25	4.8	700	50000	50000	NC	NC	ug/L
		5/5/03	8260	Benzene	<0.2	U	1	0.2	1	215	530	710	5	ug/L
		5/5/03	8260	Chloroethane	<0.4	U	2	0.4	NC	NC	NC	NC	NC	ug/L
		5/5/03	8260	Chloroform	<0.2	U	1	0.2	6	287	710	14100	100	ug/L
		5/5/03	8260	Chloromethane	<0.2	U	2	0.2	2.7	NC	NC	NC	NC	ug/L
		5/5/03	8260	Dibromochloromethane	<0.2	U	1	0.2	0.5	NC	NC	1020	100	ug/L
		5/5/03	8260	Methylene Chloride	<0.2	U	5	0.2	5	50000	50000	48000	5	ug/L
		5/5/03	8260	Toluene	<0.2	U	1	0.2	1000	23500	50000	4000000	1000	ug/L
		5/5/03	8260	Trichloroethene	<0.2	U	1	0.2	NC	219	540	2340	5	ug/L
		5/5/03	8260	Vinyl Chloride	<0.2	U	2	0.2	2	2	2	15750	2	ug/L
MW-112S	S	5/6/03	8260	1,2-Dichloroethane	<0.2	U	1	0.2	1	21	90	2970	5	ug/L
		5/6/03	8260	1,2-Dichloropropane	<0.2	U	1	0.2	5	14	60	NC	5	ug/L

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Water Sampling Analytical Results
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Only chemicals of concern and detected compounds are reported

Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RL	MDL	Screening Criteria					Units
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL	
Volatile Organic Monitoring Parameters in Groundwater														
MW-112S S														
		5/6/03	8260	1,4-Dichlorobenzene	<0.2	U	1	0.2	75	50000	50000	26000	75	ug/L
		5/6/03	8270	1,4-Dichlorobenzene	<4.1	U	10.3	4.1	75	50000	50000	26000	75	ug/L
		5/6/03	8260	2-Butanone	<6	U	25	6	400	50000	50000	NC	NC	ug/L
		5/6/03	8260	4-Methyl-2-Pentanone	<0.6	U	10	0.6	NC	NC	NC	NC	NC	ug/L
		5/6/03	8260	Acetone	<4.8	U	25	4.8	700	50000	50000	NC	NC	ug/L
		5/6/03	8260	Benzene	<0.2	U	1	0.2	1	215	530	710	5	ug/L
		5/6/03	8260	Chloroethane	<0.4	U	2	0.4	NC	NC	NC	NC	NC	ug/L
		5/6/03	8260	Chloroform	<0.2	U	1	0.2	6	287	710	14100	100	ug/L
		5/6/03	8260	Chloromethane	<0.2	U	2	0.2	2.7	NC	NC	NC	NC	ug/L
		5/6/03	8260	Dibromochloromethane	<0.2	U	1	0.2	0.5	NC	NC	1020	100	ug/L
		5/6/03	8260	Methylene Chloride	<0.2	U	5	0.2	5	50000	50000	48000	5	ug/L
		5/6/03	8260	Toluene	<0.2	U	1	0.2	1000	23500	50000	4000000	1000	ug/L
		5/6/03	8260	Trichloroethene	<0.2	U	1	0.2	NC	219	540	2340	5	ug/L
		5/6/03	8260	Vinyl Chloride	<0.2	U	2	0.2	2	2	2	15750	2	ug/L
MW-113B B														
		5/5/03	8260	1,2-Dichloroethane	<0.2	U	1	0.2	1	21	90	2970	5	ug/L
		5/5/03	8260	1,2-Dichloropropane	<0.2	U	1	0.2	5	14	60	NC	5	ug/L
		5/5/03	8270	1,4-Dichlorobenzene	<4	U	10	4	75	50000	50000	26000	75	ug/L
		5/5/03	8260	1,4-Dichlorobenzene	<0.2	U	1	0.2	75	50000	50000	26000	75	ug/L
		5/5/03	8260	2-Butanone	<6	U	25	6	400	50000	50000	NC	NC	ug/L
		5/5/03	8260	4-Methyl-2-Pentanone	<0.6	U	10	0.6	NC	NC	NC	NC	NC	ug/L

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Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RL	MDL	Screening Criteria					Units	
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL		
Volatile Organic Monitoring Parameters in Groundwater															
MW-113B B															
		5/5/03	8260	Acetone	<4.8	U	25	4.8	700	50000	50000	NC	NC	ug/L	
		5/5/03	8260	Benzene	<0.2	U	1	0.2	1	215	530	710	5	ug/L	
		5/5/03	8260	Chloroethane	<0.4	U	2	0.4	NC	NC	NC	NC	NC	ug/L	
		5/5/03	8260	Chloroform	<0.2	U	1	0.2	6	287	710	14100	100	ug/L	
		5/5/03	8260	Chloromethane	<0.2	U	2	0.2	2.7	NC	NC	NC	NC	ug/L	
		5/5/03	8260	Dibromochloromethane	<0.2	U	1	0.2	0.5	NC	NC	1020	100	ug/L	
		5/5/03	8260	Methylene Chloride	<0.2	U	5	0.2	5	50000	50000	48000	5	ug/L	
		5/5/03	8260	Toluene	<0.2	U	1	0.2	1000	23500	50000	4000000	1000	ug/L	
		5/5/03	8260	Trichloroethene	<0.2	U	1	0.2	NC	219	540	2340	5	ug/L	
		5/5/03	8260	Vinyl Chloride	<0.2	U	2	0.2	2	2	2	15750	2	ug/L	
MW-113S S															
		5/6/03	8260	1,2-Dichloroethane	<0.2	U	1	0.2	1	21	90	2970	5	ug/L	
		5/6/03	8260	1,2-Dichloropropane	<0.2	U	1	0.2	5	14	60	NC	5	ug/L	
		5/6/03	8270	1,4-Dichlorobenzene	<4	U	10.1	4	75	50000	50000	26000	75	ug/L	
		5/6/03	8260	1,4-Dichlorobenzene	<0.2	U	1	0.2	75	50000	50000	26000	75	ug/L	
		5/6/03	8260	2-Butanone	<6	U	25	6	400	50000	50000	NC	NC	ug/L	
		5/6/03	8260	4-Methyl-2-Pentanone	<0.6	U	10	0.6	NC	NC	NC	NC	NC	ug/L	
		5/6/03	8260	Acetone	<4.8	U	25	4.8	700	50000	50000	NC	NC	ug/L	
		5/6/03	8260	Benzene	<0.2	U	1	0.2	1	215	530	710	5	ug/L	
		5/6/03	8260	Chloroethane	<0.4	U	2	0.4	NC	NC	NC	NC	NC	ug/L	
		5/6/03	8260	Chloroform	<0.2	U	1	0.2	6	287	710	14100	100	ug/L	

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Water Sampling Analytical Results
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Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RL	MDL	Screening Criteria					Units
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL	

Volatile Organic Monitoring Parameters in Groundwater

MW-113S S

5/6/03	8260	Chloromethane	<0.2	U	2	0.2	2.7	NC	NC	NC	NC	NC	NC	ug/L
5/6/03	8260	Dibromochloromethane	<0.2	U	1	0.2	0.5	NC	NC	NC	NC	1020	100	ug/L
5/6/03	8260	Methylene Chloride	<0.2	U	5	0.2	5	50000	50000	50000	50000	48000	5	ug/L
5/6/03	8260	Toluene	<0.2	U	1	0.2	1000	23500	50000	50000	4000000		1000	ug/L
5/6/03	8260	Trichloroethene	<0.2	U	1	0.2	NC	219	540	2340			5	ug/L
5/6/03	8260	Vinyl Chloride	<0.2	U	2	0.2	2	2	2	15750			2	ug/L

MW-115B B

5/1/03	8260	1,2-Dichloroethane	<0.2	U	1	0.2	1	21	90	2970			5	ug/L
5/1/03	8260	1,2-Dichloropropane	<0.2	U	1	0.2	5	14	60	NC			5	ug/L
5/1/03	8260	1,4-Dichlorobenzene	<0.2	U	1	0.2	75	50000	50000	26000			75	ug/L
5/1/03	8270	1,4-Dichlorobenzene	<4	U	10	4	75	50000	50000	26000			75	ug/L
5/1/03	8260	2-Butanone	<6	U	25	6	400	50000	50000	NC			NC	ug/L
5/1/03	8260	4-Methyl-2-Pentanone	<0.6	U	10	0.6	NC	NC	NC	NC			NC	ug/L
5/1/03	8260	Acetone	<4.8	U	25	4.8	700	50000	50000	NC			NC	ug/L
5/1/03	8260	Benzene	<0.2	U	1	0.2	1	215	530	710			5	ug/L
5/1/03	8260	Chloroethane	<0.4	U	2	0.4	NC	NC	NC	NC			NC	ug/L
5/1/03	8260	Chloroform	<0.2	U	1	0.2	6	287	710	14100			100	ug/L
5/1/03	8260	Chloromethane	<0.2	U	2	0.2	2.7	NC	NC	NC			NC	ug/L
5/1/03	8260	Dibromochloromethane	<0.2	U	1	0.2	0.5	NC	NC	1020			100	ug/L
5/1/03	8260	Methylene Chloride	<0.2	U	5	0.2	5	50000	50000	48000			5	ug/L
5/1/03	8260	Toluene	<0.2	U	1	0.2	1000	23500	50000	4000000			1000	ug/L

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Water Sampling Analytical Results
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Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RL	MDL	Screening Criteria					Units	
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL		
Volatile Organic Monitoring Parameters in Groundwater															
MW-115B	B														
MW-115S	S	5/1/03	8260	Trichloroethene	<0.2	U	1	0.2	NC	219	540	2340	5	ug/L	
		5/1/03	8260	Vinyl Chloride	<0.2	U	2	0.2	2	2	2	15750	2	ug/L	
		5/2/03	8260	1,2-Dichloroethane	<0.2	U	1	0.2	1	21	90	2970	5	ug/L	
		5/2/03	8260	1,2-Dichloropropane	<0.2	U	1	0.2	5	14	60	NC	5	ug/L	
		5/2/03	8260	1,4-Dichlorobenzene	<0.2	U	1	0.2	75	50000	50000	26000	75	ug/L	
		5/2/03	8270	1,4-Dichlorobenzene	<4.1	U	10.2	4.1	75	50000	50000	26000	75	ug/L	
		5/2/03	8260	2-Butanone	<6	U	25	6	400	50000	50000	NC	NC	ug/L	
		5/2/03	8260	4-Methyl-2-Pentanone	<0.6	U	10	0.6	NC	NC	NC	NC	NC	ug/L	
		5/2/03	8260	Acetone	<4.8	U	25	4.8	700	50000	50000	NC	NC	ug/L	
		5/2/03	8260	Benzene	<0.2	U	1	0.2	1	215	530	710	5	ug/L	
		5/2/03	8260	Chloroethane	<0.4	U	2	0.4	NC	NC	NC	NC	NC	ug/L	
		5/2/03	8260	Chloroform	<0.2	U	1	0.2	6	287	710	14100	100	ug/L	
		5/2/03	8260	Chloromethane	<0.2	U	2	0.2	2.7	NC	NC	NC	NC	ug/L	
		5/2/03	8260	Dibromochloromethane	<0.2	U	1	0.2	0.5	NC	NC	NC	1020	100	ug/L
		5/2/03	8260	Methylene Chloride	<0.2	U	5	0.2	5	50000	50000	48000	5	ug/L	
5/2/03	8260	Toluene	<0.2	U	1	0.2	1000	23500	50000	4000000	1000	ug/L			
5/2/03	8260	Trichloroethene	<0.2	U	1	0.2	NC	219	540	2340	5	ug/L			
5/2/03	8260	Vinyl Chloride	<0.2	U	2	0.2	2	2	2	15750	2	ug/L			
MW-15	S	5/5/03	8260	1,1-Dichloroethane	0.89 J	J	1	0.2	70	34600	50000	NC	NC	ug/L	

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									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL	
Volatile Organic Monitoring Parameters in Groundwater														
MW-1S S														
		5/5/03	8260	1,2,4-Trimethylbenzene	11.8		1	0.2	350	NC	NC	NC	NC	ug/L
		5/5/03	8260	1,2-Dichlorobenzene	2.95		1	0.2	600	30500	50000	170000	600	ug/L
		5/5/03	8260	1,2-Dichloroethane	<0.2	U	1	0.2	1	21	90	2970	5	ug/L
		5/5/03	8260	1,2-Dichloropropane	<0.2	U	1	0.2	5	14	60	NC	5	ug/L
		5/5/03	8260	1,3,5-Trimethylbenzene	3.71		1	0.2	350	NC	NC	NC	NC	ug/L
		5/5/03	8270	1,4-Dichlorobenzene	<4.3	U	10.9	4.3	75	50000	50000	26000	75	ug/L
		5/5/03	8260	1,4-Dichlorobenzene	4.29		1	0.2	75	50000	50000	26000	75	ug/L
		5/5/03	8260	2-Butanone	<6	U	25	6	400	50000	50000	NC	NC	ug/L
		5/5/03	8260	4-Isopropyltoluene	0.77 J	J	1	0.2	30	NC	NC	NC	NC	ug/L
		5/5/03	8260	4-Methyl-2-Pentanone	<0.6	U	10	0.6	NC	NC	NC	NC	NC	ug/L
		5/5/03	8260	Acetone	<4.8	U	25	4.8	700	50000	50000	NC	NC	ug/L
		5/5/03	8260	Benzene	10.5		1	0.2	1	215	530	710	5	ug/L
		5/5/03	8260	Chlorobenzene	2.18		1	0.2	100	1800	6150	420000	100	ug/L
		5/5/03	8260	Chloroethane	8.35		2	0.4	NC	NC	NC	NC	NC	ug/L
		5/5/03	8260	Chloroform	<0.2	U	1	0.2	6	287	710	14100	100	ug/L
		5/5/03	8260	Chloromethane	<0.2	U	2	0.2	2.7	NC	NC	NC	NC	ug/L
		5/5/03	8260	Dibromochloromethane	<0.2	U	1	0.2	0.5	NC	NC	1020	100	ug/L
		5/5/03	8260	Diethyl Ether	136		10	0.4	NC	NC	NC	NC	NC	ug/L
		5/5/03	8260	Ethylbenzene	78.2		1	0.2	700	50000	50000	580000	700	ug/L
		5/5/03	8260	Isopropylbenzene	8.29		1	0.2	30	NC	NC	NC	NC	ug/L
		5/5/03	8260	Methyl tert-Butyl Ether	4.07		1	0.2	70	50000	50000	NC	NC	ug/L

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									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL	

Volatile Organic Monitoring Parameters in Groundwater

MW-15 S

5/5/03	8260	Methylene Chloride	<0.2	U	5	0.2	5	50000	50000	48000	5	ug/L
5/5/03	8260	n-Propylbenzene	2.17		1	0.2	61	NC	NC	NC	NC	ug/L
5/5/03	8260	Tetrahydrofuran	252		50	1.6	NC	NC	NC	NC	NC	ug/L
5/5/03	8260	Toluene	9.84		1	0.2	1000	23500	50000	4000000	1000	ug/L
5/5/03	8260	Trichloroethene	<0.2	U	1	0.2	NC	219	540	2340	5	ug/L
5/5/03	8260	Vinyl Chloride	<0.2	U	2	0.2	2	2	2	15750	2	ug/L
5/5/03	8260	Xylenes (Total)	151		1	0.2	530	21300	50000	NC	10000	ug/L

MW-15 * S Dup

5/5/03	8260	1,1-Dichloroethane	0.93 J	J	1	0.2	70	34600	50000	NC	NC	ug/L
5/5/03	8260	1,2,4-Trimethylbenzene	11.7		1	0.2	350	NC	NC	NC	NC	ug/L
5/5/03	8260	1,2-Dichlorobenzene	2.92		1	0.2	600	30500	50000	170000	600	ug/L
5/5/03	8260	1,2-Dichloroethane	<0.2	U	1	0.2	1	21	90	2970	5	ug/L
5/5/03	8260	1,2-Dichloropropane	<0.2	U	1	0.2	5	14	60	NC	5	ug/L
5/5/03	8260	1,3,5-Trimethylbenzene	3.87		1	0.2	350	NC	NC	NC	NC	ug/L
5/5/03	8260	1,4-Dichlorobenzene	4.23		1	0.2	75	50000	50000	26000	75	ug/L
5/5/03	8270	1,4-Dichlorobenzene	<4.3	U	10.6	4.3	75	50000	50000	26000	75	ug/L
5/5/03	8260	2-Butanone	<6	U	25	6	400	50000	50000	NC	NC	ug/L
5/5/03	8260	4-Isopropyltoluene	0.87 J	J	1	0.2	30	NC	NC	NC	NC	ug/L
5/5/03	8260	4-Methyl-2-Pentanone	<0.6	U	10	0.6	NC	NC	NC	NC	NC	ug/L
5/5/03	8260	Acetone	<4.8	U	25	4.8	700	50000	50000	NC	NC	ug/L
5/5/03	8260	Benzene	10.7		1	0.2	1	215	530	710	5	ug/L

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									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL	

Volatile Organic Monitoring Parameters in Groundwater

MW-15 * S Dup

5/5/03	8260	Chlorobenzene	2.14	1	0.2	100	1800	6150	420000	100	ug/L	
5/5/03	8260	Chloroethane	5.77	2	0.4	NC	NC	NC	NC	NC	ug/L	
5/5/03	8260	Chloroform	<0.2	U	1	0.2	6	287	710	14100	ug/L	
5/5/03	8260	Chloromethane	<0.2	U	2	0.2	2.7	NC	NC	NC	ug/L	
5/5/03	8260	Dibromochloromethane	<0.2	U	1	0.2	0.5	NC	NC	1020	ug/L	
5/5/03	8260	Diethyl Ether	166	10	0.4	NC	NC	NC	NC	NC	ug/L	
5/5/03	8260	Ethylbenzene	78.6	1	0.2	700	50000	50000	580000	700	ug/L	
5/5/03	8260	Isopropylbenzene	8.39	1	0.2	30	NC	NC	NC	NC	ug/L	
5/5/03	8260	Methyl tert-Butyl Ether	4.25	1	0.2	70	50000	50000	NC	NC	ug/L	
5/5/03	8260	Methylene Chloride	<0.2	U	5	0.2	5	50000	50000	48000	5	ug/L
5/5/03	8260	n-Propylbenzene	2.22	1	0.2	61	NC	NC	NC	NC	ug/L	
5/5/03	8260	Tetrahydrofuran	305	50	1.6	NC	NC	NC	NC	NC	ug/L	
5/5/03	8260	Toluene	10	1	0.2	1000	23500	50000	4000000	1000	ug/L	
5/5/03	8260	Trichloroethene	<0.2	U	1	0.2	NC	219	540	2340	5	ug/L
5/5/03	8260	Vinyl Chloride	<0.2	U	2	0.2	2	2	15750	2	ug/L	
5/5/03	8260	Xylenes (Total)	153	1	0.2	530	21300	50000	NC	10000	ug/L	

MW-45 S

5/5/03	8260	1,1-Dichloroethane	2.9	1	0.2	70	34600	50000	NC	NC	ug/L
5/5/03	8260	1,2,4-Trimethylbenzene	6.35	1	0.2	350	NC	NC	NC	NC	ug/L
5/5/03	8260	1,2-Dichlorobenzene	0.48 J	1	0.2	600	30500	50000	170000	600	ug/L
5/5/03	8260	1,2-Dichloroethane	<0.2	U	1	0.2	1	21	2970	5	ug/L

April 2003
Water Sampling Analytical Results
Barkhamsted - New Hartford Landfill

Only chemicals of concern and detected compounds are reported

Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RL	MDL	Screening Criteria					Units
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL	
Volatile Organic Monitoring Parameters in Groundwater														
MW-45 S														
		5/5/03	8260	1,2-Dichloropropane	<0.2	U	1	0.2	5	14	60	NC	NC	5 ug/L
		5/5/03	8260	1,3,5-Trimethylbenzene	2.19		1	0.2	350	NC	NC	NC	NC	ug/L
		5/5/03	8260	1,4-Dichlorobenzene	1.43		1	0.2	75	50000	50000	26000	75	ug/L
		5/5/03	8270	1,4-Dichlorobenzene	<4	U	10	4	75	50000	50000	26000	75	ug/L
		5/5/03	8260	2-Butanone	<6	U	25	6	400	50000	50000	NC	NC	ug/L
		5/5/03	8260	4-Isopropyltoluene	0.23 J	J	1	0.2	30	NC	NC	NC	NC	ug/L
		5/5/03	8260	4-Methyl-2-Pentanone	<0.6	U	10	0.6	NC	NC	NC	NC	NC	ug/L
		5/5/03	8260	Acetone	<4.8	U	25	4.8	700	50000	50000	NC	NC	ug/L
		5/5/03	8260	Benzene	6.17		1	0.2	1	215	530	710	5	ug/L
		5/5/03	8260	Chloroethane	4.11		2	0.4	NC	NC	NC	NC	NC	ug/L
		5/5/03	8260	Chloroform	<0.2	U	1	0.2	6	287	710	14100	100	ug/L
		5/5/03	8260	Chloromethane	<0.2	U	2	0.2	2.7	NC	NC	NC	NC	ug/L
		5/5/03	8260	Dibromochloromethane	<0.2	U	1	0.2	0.5	NC	NC	1020	100	ug/L
		5/5/03	8260	Diethyl Ether	97.4		1	0.4	NC	NC	NC	NC	NC	ug/L
		5/5/03	8260	Ethylbenzene	30.3		1	0.2	700	50000	50000	580000	700	ug/L
		5/5/03	8260	Isopropylbenzene	4.23		1	0.2	30	NC	NC	NC	NC	ug/L
		5/5/03	8260	Methyl tert-Butyl Ether	2.61		1	0.2	70	50000	50000	NC	NC	ug/L
		5/5/03	8260	Methylene Chloride	<0.2	U	5	0.2	5	50000	50000	48000	5	ug/L
		5/5/03	8260	n-Propylbenzene	0.85 J	J	1	0.2	61	NC	NC	NC	NC	ug/L
		5/5/03	8260	Tetrahydrofuran	146		25	1.6	NC	NC	NC	NC	NC	ug/L
		5/5/03	8260	Toluene	1.41		1	0.2	1000	23500	50000	4000000	1000	ug/L

April 2003
Water Sampling Analytical Results
Barkhamsted - New Hartford Landfill

Only chemicals of concern and detected compounds are reported

Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RL	MDL	Screening Criteria					Units
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL	
Volatile Organic Monitoring Parameters in Groundwater														
MW-4S	S													
		5/5/03	8260	Trichloroethene	<0.2	U	1	0.2	NC	219	540	2340	5	ug/L
		5/5/03	8260	Vinyl Chloride	<0.2	U	2	0.2	2	2	2	15750	2	ug/L
		5/5/03	8260	Xylenes (Total)	45.2		1	0.2	530	21300	50000	NC	10000	ug/L
MW-5B	B													
		5/6/03	8260	1,1-Dichloroethane	2.12		1	0.2	70	34600	50000	NC	NC	ug/L
		5/6/03	8260	1,2-Dichloroethane	<0.2	U	1	0.2	1	21	90	2970	5	ug/L
		5/6/03	8260	1,2-Dichloropropane	<0.2	U	1	0.2	5	14	60	NC	5	ug/L
		5/6/03	8270	1,4-Dichlorobenzene	<4.7	U	11.6	4.7	75	50000	50000	26000	75	ug/L
		5/6/03	8260	1,4-Dichlorobenzene	<0.2	U	1	0.2	75	50000	50000	26000	75	ug/L
		5/6/03	8260	2-Butanone	<6	U	25	6	400	50000	50000	NC	NC	ug/L
		5/6/03	8260	4-Methyl-2-Pentanone	<0.6	U	10	0.6	NC	NC	NC	NC	NC	ug/L
		5/6/03	8260	Acetone	<4.8	U	25	4.8	700	50000	50000	NC	NC	ug/L
		5/6/03	8260	Benzene	1.1		1	0.2	1	215	530	710	5	ug/L
		5/6/03	8260	Chloroethane	<0.4	U	2	0.4	NC	NC	NC	NC	NC	ug/L
		5/6/03	8260	Chloroform	<0.2	U	1	0.2	6	287	710	14100	100	ug/L
		5/6/03	8260	Chloromethane	<0.2	U	2	0.2	2.7	NC	NC	NC	NC	ug/L
		5/6/03	8260	cis-1,2-Dichloroethene	0.53 J	J	1	0.2	70	NC	NC	NC	70	ug/L
		5/6/03	8260	Dibromochloromethane	<0.2	U	1	0.2	0.5	NC	NC	1020	100	ug/L
		5/6/03	8260	Diethyl Ether	33.3		1	0.4	NC	NC	NC	NC	NC	ug/L
		5/6/03	8260	Methyl tert-Butyl Ether	0.48 J	J	1	0.2	70	50000	50000	NC	NC	ug/L
		5/6/03	8260	Methylene Chloride	<0.2	U	5	0.2	5	50000	50000	48000	5	ug/L

April 2003

Water Sampling Analytical Results

Barkhamsted - New Hartford Landfill

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Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RL	MDL	Screening Criteria					Units
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL	

Volatile Organic Monitoring Parameters in Groundwater

MW-5B B

5/6/03	8260			Tetrahydrofuran	14		5	1.6	NC	NC	NC	NC	NC	ug/L
5/6/03	8260			Toluene	<0.2	U	1	0.2	1000	23500	50000	4000000	1000	ug/L
5/6/03	8260			Trichloroethene	0.67 J	J	1	0.2	NC	219	540	2340	5	ug/L
5/6/03	8260			Vinyl Chloride	<0.2	U	2	0.2	2	2	2	15750	2	ug/L

MW-5S S

5/7/03	8260			1,1-Dichloroethane	0.89 J	J	1	0.2	70	34600	50000	NC	NC	ug/L
5/7/03	8260			1,2,4-Trimethylbenzene	1.77		1	0.2	350	NC	NC	NC	NC	ug/L
5/7/03	8260			1,2-Dichlorobenzene	0.25 J	J	1	0.2	600	30500	50000	170000	600	ug/L
5/7/03	8260			1,2-Dichloroethane	<0.2	U	1	0.2	1	21	90	2970	5	ug/L
5/7/03	8260			1,2-Dichloropropane	<0.2	U	1	0.2	5	14	60	NC	5	ug/L
5/7/03	8260			1,3,5-Trimethylbenzene	0.5 J	J	1	0.2	350	NC	NC	NC	NC	ug/L
5/7/03	8270			1,4-Dichlorobenzene	<4.3	U	10.6	4.3	75	50000	50000	26000	75	ug/L
5/7/03	8260			1,4-Dichlorobenzene	0.64 J	J	1	0.2	75	50000	50000	26000	75	ug/L
5/7/03	8260			2-Butanone	<6	U	25	6	400	50000	50000	NC	NC	ug/L
5/7/03	8260			4-Methyl-2-Pentanone	<0.6	U	10	0.6	NC	NC	NC	NC	NC	ug/L
5/7/03	8260			Acetone	<4.8	U	25	4.8	700	50000	50000	NC	NC	ug/L
5/7/03	8260			Benzene	1.55		1	0.2	1	215	530	710	5	ug/L
5/7/03	8260			Chloroethane	1.86 J	J	2	0.4	NC	NC	NC	NC	NC	ug/L
5/7/03	8260			Chloroform	<0.2	U	1	0.2	6	287	710	14100	100	ug/L
5/7/03	8260			Chloromethane	<0.2	U	2	0.2	2.7	NC	NC	NC	NC	ug/L
5/7/03	8260			Dibromochloromethane	<0.2	U	1	0.2	0.5	NC	NC	1020	100	ug/L

April 2003
Water Sampling Analytical Results
Barkhamsted - New Hartford Landfill

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Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RL	MDL	Screening Criteria					Units
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL	

Volatile Organic Monitoring Parameters in Groundwater

MW-5S	S	5/7/03	8260	Diethyl Ether	25.6		1	0.4	NC	NC	NC	NC	NC	ug/L
		5/7/03	8260	Ethylbenzene	6.89		1	0.2	700	50000	50000	580000	700	ug/L
		5/7/03	8260	Isopropylbenzene	1.04		1	0.2	30	NC	NC	NC	NC	ug/L
		5/7/03	8260	Methyl tert-Butyl Ether	0.67 J	J	1	0.2	70	50000	50000	NC	NC	ug/L
		5/7/03	8260	Methylene Chloride	<0.2	U	5	0.2	5	50000	50000	48000	5	ug/L
		5/7/03	8260	Tetrahydrofuran	19.2		5	1.6	NC	NC	NC	NC	NC	ug/L
		5/7/03	8260	Toluene	<0.2	U	1	0.2	1000	23500	50000	4000000	1000	ug/L
		5/7/03	8260	Trichloroethene	<0.2	U	1	0.2	NC	219	540	2340	5	ug/L
		5/7/03	8260	Vinyl Chloride	<0.2	U	2	0.2	2	2	2	15750	2	ug/L
		5/7/03	8260	Xylenes (Total)	8.77		1	0.2	530	21300	50000	NC	10000	ug/L

MW-5S * S Dup

MW-5S	S	5/7/03	8260	1,1-Dichloroethane	0.95 J	J	1	0.2	70	34600	50000	NC	NC	ug/L
		5/7/03	8260	1,2,4-Trimethylbenzene	1.8		1	0.2	350	NC	NC	NC	NC	ug/L
		5/7/03	8260	1,2-Dichlorobenzene	0.23 J	J	1	0.2	600	30500	50000	170000	600	ug/L
		5/7/03	8260	1,2-Dichloroethane	<0.2	U	1	0.2	1	21	90	2970	5	ug/L
		5/7/03	8260	1,2-Dichloropropane	<0.2	U	1	0.2	5	14	60	NC	5	ug/L
		5/7/03	8260	1,3,5-Trimethylbenzene	0.5 J	J	1	0.2	350	NC	NC	NC	NC	ug/L
		5/7/03	8270	1,4-Dichlorobenzene	<4	U	10	4	75	50000	50000	26000	75	ug/L
		5/7/03	8260	1,4-Dichlorobenzene	0.62 J	J	1	0.2	75	50000	50000	26000	75	ug/L
		5/7/03	8260	2-Butanone	<6	U	25	6	400	50000	50000	NC	NC	ug/L
		5/7/03	8260	4-Methyl-2-Pentanone	<0.6	U	10	0.6	NC	NC	NC	NC	NC	ug/L

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Water Sampling Analytical Results
Barkhamsted - New Hartford Landfill

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Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RL	MDL	Screening Criteria					Units
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL	

Volatile Organic Monitoring Parameters in Groundwater

MW-55 * S Dup

5/7/03	8260	Acetone	<4.8	U	25	4.8	700	50000	50000	NC	NC	ug/L
5/7/03	8260	Benzene	1.58		1	0.2	1	215	530	710	5	ug/L
5/7/03	8260	Chloroethane	2.06		2	0.4	NC	NC	NC	NC	NC	ug/L
5/7/03	8260	Chloroform	<0.2	U	1	0.2	6	287	710	14100	100	ug/L
5/7/03	8260	Chloromethane	<0.2	U	2	0.2	2.7	NC	NC	NC	NC	ug/L
5/7/03	8260	Dibromochloromethane	<0.2	U	1	0.2	0.5	NC	NC	1020	100	ug/L
5/7/03	8260	Diethyl Ether	26.7		1	0.4	NC	NC	NC	NC	NC	ug/L
5/7/03	8260	Ethylbenzene	6.77		1	0.2	700	50000	50000	580000	700	ug/L
5/7/03	8260	Isopropylbenzene	1.06		1	0.2	30	NC	NC	NC	NC	ug/L
5/7/03	8260	Methyl tert-Butyl Ether	0.71 J	J	1	0.2	70	50000	50000	NC	NC	ug/L
5/7/03	8260	Methylene Chloride	<0.2	U	5	0.2	5	50000	50000	48000	5	ug/L
5/7/03	8260	Tetrahydrofuran	19.7		5	1.6	NC	NC	NC	NC	NC	ug/L
5/7/03	8260	Toluene	<0.2	U	1	0.2	1000	23500	50000	4000000	1000	ug/L
5/7/03	8260	Trichloroethene	<0.2	U	1	0.2	NC	219	540	2340	5	ug/L
5/7/03	8260	Vinyl Chloride	<0.2	U	2	0.2	2	2	2	15750	2	ug/L
5/7/03	8260	Xylenes (Total)	8.75		1	0.2	530	21300	50000	NC	10000	ug/L

S-3 S

5/2/03	8260	1,2-Dichlorobenzene	0.43 J	J	1	0.2	600	30500	50000	170000	600	ug/L
5/2/03	8260	1,2-Dichloroethane	<0.2	U	1	0.2	1	21	90	2970	5	ug/L
5/2/03	8260	1,2-Dichloropropane	<0.2	U	1	0.2	5	14	60	NC	5	ug/L
5/2/03	8270	1,4-Dichlorobenzene	<4	U	10	4	75	50000	50000	26000	75	ug/L

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Water Sampling Analytical Results
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Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RL	MDL	Screening Criteria					Units
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL	

Volatile Organic Monitoring Parameters in Groundwater

S-3 S

5/2/03	8260	1,4-Dichlorobenzene	0.96 J	J	1	0.2	75	50000	50000	50000	26000	75	ug/L
5/2/03	8260	2-Butanone	<6	U	25	6	400	50000	50000	50000	NC	NC	ug/L
5/2/03	8260	4-Methyl-2-Pentanone	<0.6	U	10	0.6	NC	NC	NC	NC	NC	NC	ug/L
5/2/03	8260	Acetone	<4.8	U	25	4.8	700	50000	50000	50000	NC	NC	ug/L
5/2/03	8260	Benzene	1.57	J	1	0.2	1	215	530	710	5	5	ug/L
5/2/03	8260	Chlorobenzene	1.63	J	1	0.2	100	1800	6150	420000	100	100	ug/L
5/2/03	8260	Chloroethane	1.65 J	J	2	0.4	NC	NC	NC	NC	NC	NC	ug/L
5/2/03	8260	Chloroform	<0.2	U	1	0.2	6	287	710	14100	100	100	ug/L
5/2/03	8260	Chloromethane	<0.2	U	2	0.2	2.7	NC	NC	NC	NC	NC	ug/L
5/2/03	8260	Dibromochloromethane	<0.2	U	1	0.2	0.5	NC	NC	1020	100	100	ug/L
5/2/03	8260	Diethyl Ether	21	J	1	0.4	NC	NC	NC	NC	NC	NC	ug/L
5/2/03	8260	Ethylbenzene	0.9 J	J	1	0.2	700	50000	50000	580000	700	700	ug/L
5/2/03	8260	Isopropylbenzene	0.33 J	J	1	0.2	30	NC	NC	NC	NC	NC	ug/L
5/2/03	8260	Methyl tert-Butyl Ether	1.54	J	1	0.2	70	50000	50000	NC	NC	NC	ug/L
5/2/03	8260	Methylene Chloride	<0.2	U	5	0.2	5	50000	50000	48000	5	5	ug/L
5/2/03	8260	Toluene	<0.2	U	1	0.2	1000	23500	50000	4000000	1000	1000	ug/L
5/2/03	8260	Trichloroethene	<0.2	U	1	0.2	NC	219	540	2340	5	5	ug/L
5/2/03	8260	Vinyl Chloride	<0.2	U	2	0.2	2	2	2	15750	2	2	ug/L

Trip Blank

5/1/03	8260	1,2-Dichloroethane	<0.2	U	1	0.2	1	21	90	2970	5	5	ug/L
5/5/03	8260	1,2-Dichloroethane	<0.2	U	1	0.2	1	21	90	2970	5	5	ug/L

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Water Sampling Analytical Results
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Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RL	MDL	Screening Criteria					Units
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL	
Volatile Organic Monitoring Parameters in Groundwater														
Trip Blank														
		5/6/03	8260	1,2-Dichloroethane	<0.2	U	1	0.2	1	21	90	2970	5	ug/L
		5/6/03	8260	1,2-Dichloroethane	<0.2	U	1	0.2	1	21	90	2970	5	ug/L
		5/1/03	8260	1,2-Dichloropropane	<0.2	U	1	0.2	5	14	60	NC	5	ug/L
		5/6/03	8260	1,2-Dichloropropane	<0.2	U	1	0.2	5	14	60	NC	5	ug/L
		5/5/03	8260	1,2-Dichloropropane	<0.2	U	1	0.2	5	14	60	NC	5	ug/L
		5/6/03	8260	1,2-Dichloropropane	<0.2	U	1	0.2	5	14	60	NC	5	ug/L
		5/6/03	8260	1,4-Dichlorobenzene	<0.2	U	1	0.2	75	50000	50000	26000	75	ug/L
		5/1/03	8260	1,4-Dichlorobenzene	<0.2	U	1	0.2	75	50000	50000	26000	75	ug/L
		5/6/03	8260	1,4-Dichlorobenzene	<0.2	U	1	0.2	75	50000	50000	26000	75	ug/L
		5/5/03	8260	1,4-Dichlorobenzene	<0.2	U	1	0.2	75	50000	50000	26000	75	ug/L
		5/1/03	8260	2-Butanone	<6	U	25	6	400	50000	50000	NC	NC	ug/L
		5/5/03	8260	2-Butanone	<6	U	25	6	400	50000	50000	NC	NC	ug/L
		5/6/03	8260	2-Butanone	<6	U	25	6	400	50000	50000	NC	NC	ug/L
		5/6/03	8260	2-Butanone	<6	U	25	6	400	50000	50000	NC	NC	ug/L
		5/1/03	8260	4-Methyl-2-Pentanone	<0.6	U	10	0.6	NC	NC	NC	NC	NC	ug/L
		5/6/03	8260	4-Methyl-2-Pentanone	<0.6	U	10	0.6	NC	NC	NC	NC	NC	ug/L
		5/6/03	8260	4-Methyl-2-Pentanone	<0.6	U	10	0.6	NC	NC	NC	NC	NC	ug/L
		5/5/03	8260	4-Methyl-2-Pentanone	<0.6	U	10	0.6	NC	NC	NC	NC	NC	ug/L
		5/1/03	8260	Acetone	<4.8	U	25	4.8	700	50000	50000	NC	NC	ug/L
		5/6/03	8260	Acetone	<4.8	U	25	4.8	700	50000	50000	NC	NC	ug/L
		5/5/03	8260	Acetone	<4.8	U	25	4.8	700	50000	50000	NC	NC	ug/L

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Water Sampling Analytical Results
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Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RL	MDL	Screening Criteria					Units
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL	
Volatile Organic Monitoring Parameters in Groundwater														
Trip Blank														
	5/6/03	8260		Acetone	<4.8	U	25	4.8	700	50000	50000	NC	NC	ug/L
	5/1/03	8260		Benzene	<0.2	U	1	0.2	1	215	530	710	5	ug/L
	5/5/03	8260		Benzene	<0.2	U	1	0.2	1	215	530	710	5	ug/L
	5/6/03	8260		Benzene	<0.2	U	1	0.2	1	215	530	710	5	ug/L
	5/6/03	8260		Benzene	<0.2	U	1	0.2	1	215	530	710	5	ug/L
	5/1/03	8260		Chloroethane	<0.4	U	2	0.4	NC	NC	NC	NC	NC	ug/L
	5/6/03	8260		Chloroethane	<0.4	U	2	0.4	NC	NC	NC	NC	NC	ug/L
	5/5/03	8260		Chloroethane	<0.4	U	2	0.4	NC	NC	NC	NC	NC	ug/L
	5/6/03	8260		Chloroethane	<0.4	U	2	0.4	NC	NC	NC	NC	NC	ug/L
	5/1/03	8260		Chloroform	<0.2	U	1	0.2	6	287	710	14100	100	ug/L
	5/5/03	8260		Chloroform	0.21 J	J	1	0.2	6	287	710	14100	100	ug/L
	5/6/03	8260		Chloroform	<0.2	U	1	0.2	6	287	710	14100	100	ug/L
	5/6/03	8260		Chloroform	<0.2	U	1	0.2	6	287	710	14100	100	ug/L
	5/1/03	8260		Chloromethane	<0.2	U	2	0.2	2.7	NC	NC	NC	NC	ug/L
	5/6/03	8260		Chloromethane	<0.2	U	2	0.2	2.7	NC	NC	NC	NC	ug/L
	5/6/03	8260		Chloromethane	<0.2	U	2	0.2	2.7	NC	NC	NC	NC	ug/L
	5/5/03	8260		Chloromethane	1.53 J	J	2	0.2	2.7	NC	NC	NC	NC	ug/L
	5/1/03	8260		Dibromochloromethane	<0.2	U	1	0.2	0.5	NC	NC	1020	100	ug/L
	5/5/03	8260		Dibromochloromethane	<0.2	U	1	0.2	0.5	NC	NC	1020	100	ug/L
	5/6/03	8260		Dibromochloromethane	<0.2	U	1	0.2	0.5	NC	NC	1020	100	ug/L
	5/6/03	8260		Dibromochloromethane	<0.2	U	1	0.2	0.5	NC	NC	1020	100	ug/L

April 2003

Water Sampling Analytical Results
Barkhamsted - New Hartford Landfill

Only chemicals of concern and detected compounds are reported

Well Location	Depth	Sample Date	Method	Analyte	Result	Qualifier	RL	MDL	Screening Criteria					Units
									CT-GW RSR	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL	
Volatile Organic Monitoring Parameters in Groundwater														
Trip Blank														
		5/1/03	8260	Methylene Chloride	<0.2	U	5	0.2	5	50000	50000	48000	5	ug/L
		5/5/03	8260	Methylene Chloride	<0.2	U	5	0.2	5	50000	50000	48000	5	ug/L
		5/6/03	8260	Methylene Chloride	<0.2	U	5	0.2	5	50000	50000	48000	5	ug/L
		5/6/03	8260	Methylene Chloride	<0.2	U	5	0.2	5	50000	50000	48000	5	ug/L
		5/1/03	8260	Toluene	<0.2	U	1	0.2	1000	23500	50000	4000000	1000	ug/L
		5/5/03	8260	Toluene	0.83 J	J	1	0.2	1000	23500	50000	4000000	1000	ug/L
		5/6/03	8260	Toluene	<0.2	U	1	0.2	1000	23500	50000	4000000	1000	ug/L
		5/6/03	8260	Toluene	<0.2	U	1	0.2	1000	23500	50000	4000000	1000	ug/L
		5/1/03	8260	Trichloroethene	<0.2	U	1	0.2	NC	219	540	2340	5	ug/L
		5/5/03	8260	Trichloroethene	<0.2	U	1	0.2	NC	219	540	2340	5	ug/L
		5/6/03	8260	Trichloroethene	<0.2	U	1	0.2	NC	219	540	2340	5	ug/L
		5/6/03	8260	Trichloroethene	<0.2	U	1	0.2	NC	219	540	2340	5	ug/L
		5/1/03	8260	Vinyl Chloride	<0.2	U	2	0.2	2	2	2	15750	2	ug/L
		5/6/03	8260	Vinyl Chloride	<0.2	U	2	0.2	2	2	2	15750	2	ug/L
		5/6/03	8260	Vinyl Chloride	<0.2	U	2	0.2	2	2	2	15750	2	ug/L
		5/5/03	8260	Vinyl Chloride	<0.2	U	2	0.2	2	2	2	15750	2	ug/L

April 2003
Water Sampling Analytical Results
Barkhamsted - New Hartford Landfill
 Only chemicals of concern and detected compounds are reported

Well Location	Depth	Sample Date	Method	Analyte	Result	Qualified	RL	MDL	Screening Criteria					Units
									CT-GW	CT-GW V-Res	CT-GW V-Ind	CT-SW RSR	USEPA MCL	

Notes:

Bolded value indicates a result, reporting limit, or MDL depending on value reported, greater than one or more of the screening criteria.

< = Non detected values presented as two times the MDL if a parameter has an MDL value and is not an inorganic compound, otherwise value is presented as the reporting limit.

COD = Chemical oxygen demand

DO = Dissolved oxygen

J = Reported result below RL, estimated value

MDL = Method detection limit

NC = No criteria

NTU = Nephelometric Turbidity Unit

ORP = Oxygen redux potential

RL = Reporting limit

TDS = Total dissolved solids

ug/L = Micrograms per liter

U = Not detected

umhos/cm = Micro-mhos per centimeter

Depths:

B = Shallow bedrock

D = Deep bedrock

I = Intermediate bedrock

R = Shallow bedrock

S = Overburden well

Screening Criteria:

CT-GW RSR = Connecticut groundwater remediation standards in ug/L

CT-GW V-Res = Connecticut groundwater remediation standard for volatilization in residential areas in ug/L (ppb)

CT-GW V-Ind = Connecticut groundwater remediation standard for volatilization in industrial areas in ug/L (ppb)

CT-SW RDR = Connecticut surface water remediation standards in ug/L

USEPA MCL = United States Environmental Protection Agency Primary Maximum Contaminant Level

Table 6
Changes in Cancer Toxicity Data

Pathway: Ingestion, Dermal

Chemical of Concern	Oral Cancer Slope Factor in ROD	Current Applicable Oral Cancer Slope Factor	Slope Factor Units	Weight of Evidence/Cancer Guideline Description	Source	Date (MM/DD/YY)
Arsenic	1.5	same	[(mg/kg)/day]	A	IRIS	06/09/03
1,4-dichlorobenzene	.024	same	[(mg/kg)/day]	C	HEAST	FY '97
Benzene	.029	0.055	[(mg/kg)/day]	A	IRIS	06/09/03
1,2-dichloroethane	.091	same	[(mg/kg)/day]	B2	IRIS	06/09/03
1,2-dichloropropane	.068	same	[(mg/kg)/day]	B2	HEAST	FY '97
Chloroethane	.0029	same	[(mg/kg)/day]	B2	NCEA	07/12/99
Chloroform	.0061	same	[(mg/kg)/day]	B2	IRIS	06/09/03
Chloromethane	.013	same	[(mg/kg)/day]	C	HEAST	FY '97
Dibromochloro-methane	.084	same	[(mg/kg)/day]	C	IRIS	06/09/03
Methylene chloride	.0075	same	[(mg/kg)/day]	B2	IRIS	06/09/03
Trichloroethene	.011	0.4	[(mg/kg)/day]	B1	NCEA	8/01/01

Vinyl chloride	1.9	1.4	[(mg/kg)/day]]	A	IRIS	06/09/03
Bis(2-ethyl hexyl) phthalate	.014	same	[(mg/kg)/day]]	B2	IRIS	06/09/03
Key Changes since Record of Decision shown in boldface -: No information available IRIS: Integrated Risk Information System, U.S. EPA HEAST: Health Effects Assessment Summary Tables NCEA: National Center for Environmental Assessment				USEPA GROUP: A - Human Carcinogen B2 - Probable human carcinogen – Indicates sufficient evidence in animals and inadequate or no evidence in humans C - Possible human carcinogen		
Summary of Toxicity Assessment This table provides carcinogenic risk information that is relevant to the contaminants of concern in groundwater. At the time of writing the risk assessment, slope factors were not available for the dermal route of exposure. Thus, the dermal slope factors used in the assessment were extrapolated from oral values. An adjustment factor is sometimes applied, and is dependent upon how well the chemical is absorbed via the oral route. Adjustments are particularly important for chemicals with less than 50% absorption via the ingestion route. However, adjustment is not necessary for the chemicals evaluated at this Site. Therefore, the same values presented above were used as the dermal carcinogenic slope factors for these contaminants.						

Table 7
Changes in Non-Cancer Toxicity Data

Pathway: Ingestion, Dermal

Chemical of Concern	Oral RfD Value in ROD	Current Applicable Oral RfD Value	Oral RfD Units	Primary Target Organ	Combined Uncertainty/Modifying Factors	Source	Date (MM/DD/YY)
arsenic	0.0003	same	mg-kg/day	Skin	3	IRIS	06/09/03
chromium	0.003 (Cr VI)	same	mg-kg/day	----	900	IRIS	06/09/03
manganese	0.024	0.14	mg-kg/day	CNS	1	IRIS	06/09/03
acetone	0.1	same	mg-kg/day	Liver/Kidney	1000	IRIS	06/09/03
benzene	0.003	0.0004	mg-kg/day	----	300	IRIS	06/09/03
2-butanone	0.6	same	mg-kg/day	Developmental	3000	IRIS	06/09/03
1,2-dichloroethane	0.03	none	mg-kg/day	----	---	IRIS	06/09/03
1,2-dichloropropane	0.0011	none	mg-kg/day	---	---	IRIS	06/09/03
chloroethane	0.4	none	mg-kg/day	----	---	NCEA	07/12/99
chloroform	0.01	same	mg-kg/day	Liver	1000	IRIS	06/09/03
Dibromochloromethane	0.02	same	mg-kg/day	Kidney	1000	IRIS	06/09/03
4-methyl-2-pentanone	0.08	same	mg-kg/day	Liver/Kidney	3000	HEAST	FY '97
methylene chloride	0.06	same	mg-kg/day	Liver	100	IRIS	06/09/03
toluene	0.2	same	mg-kg/day	Liver/Kidney	1000	IRIS	06/09/03
trichloroethene	0.006	.0003	mg-kg/day	Liver/Kidney	3000	NCEA	08/01/01
bis(2-ethylhexyl)- phthalate	0.02	same	mg-kg/day	Liver	1000	IRIS	06/09/03

[illegible]

Table 8: Recommendations and Follow-Up Actions:

Issue	Recommendations and Follow-Up Actions	Party Responsible	Oversight Agency	Milestone Date	Affects Protectiveness	
					Current	Future
Three groundwater monitoring wells (MW113-I, MW113-D and MW4-R) were inaccessible.	Repair of damaged wells MW113-I, MW113-D and MW-4R do not appear necessary at this time, but the potential need for these wells will be evaluated further with new data.	PRP	USEPA; CTDEP	TBD	N	N
Discovery of drums containing suspect purged groundwater	Drums were removed and the contents placed in the leachate holding tank for disposal.	PRP	USEPA; CTDEP	Completed	N	N
More complete assessment of the MNA process between impacted and un-impacted areas.	Install new well couplet to the north of well MW-103 by the Barkhamsted DPW garage.	PRP	USEPA; CTDEP	Completed	N	N
Full delineation of the extent of the groundwater plume to the east.	Sample existing additional wells in future sampling events. The additional wells proposed to be sampled include wells MW-105S and B, MW-108 S and B, MW-109B, MW-117S and B and MW-118S and B.	PRP	USEPA; CTDEP	Completed	N	Y
On-Site ELUR	ELUR with CTDEP for signature, then it will be filed.	PRP	USEPA; CTDEP	Completed	N	Y
Off-Site ELUR	ELUR to be put out for public comment.	PRP	USEPA; CTDEP	December 2003	N	Y

APPENDIX A

Landfill Inspection Checklist

Appendix A: Five-Year Review Site Inspection Checklist

I. SITE INFORMATION	
Site Name: Barkhamsted Landfill	Date of Inspection:
Location and Region: Barkhamsted, CT	EPA ID: CTD980732333
Agency, office, or company leading the five-year review: EPA-Region I	Weather/temperature:
Remedy Includes (Check all that apply)	
☐ Landfill cover/containment	☐ Monitored Natural Attenuation
☐ Access Controls	☐ Groundwater containment
☐ Institutional Controls	☐ Vertical Barrier Walls
☐ Groundwater pump and treatment	☐ Other
☐ Surface water collection and treatment	
Attachments: ☐ Inspection team roster ☐ Site Map	
II. INTERVIEWS (Check all that apply)	
1. O&M Site Manager: (Name) (Title) (Date) Interviewed _____ at site _____ ☐ At office ☐ By phone Tel. No. _____ Problems, suggestions; ☐ Report attached	
2. O&M Site staff : (Name) (Title) (Date)	
3. Local regulatory authorities and response agencies (i.e., State and Tribal offices, emergency response office, police department, office of public health or environmental health, zoning office, recorder of deeds, or other city and county offices, etc.) Fill in all that apply Agency Contact (Name) (Title) (Date) (Phone No.) Problems; suggestions; ☐ Report attached Agency Contact (Name) (Title) (Date) (Phone No.) Problems; suggestions; ☐ Report attached Agency Contact (Name) (Title) (Date) (Phone No.) Problems; suggestions; ☐ Report attached Agency Contact (Name) (Title) (Date) (Phone No.) Problems; suggestions; ☐ Report attached	

Appendix A: Five-Year Review Site Inspection Checklist

4. Other Interviews (optional) ☐ Report attached.

Appendix A: Five-Year Review Site Inspection Checklist

III. ON-SITE DOCUMENTS & RECORDS VERIFIED (Check all that apply)			
1. O&M Documents			
☐ O&M Manual	☐ Readily Available	☐ Up to Date	☐ N/A
☐ As-built drawings	☐ Readily Available	☐ Up to Date	☐ N/A
☐ Maintenance Logs	☐ Readily Available	☐ Up to Date	☐ N/A
Remarks:			
2. Site-Specific Health and Safety Plan			
Contingency Plan /Emergency Response Plan	☐ Readily Available	☐ Up to Date	☐ N/A
Remarks:			
3. O&M and OSHA Training Records			
	☐ Readily Available	☐ Up to Date	☐ N/A
Remarks:			
4. Permits and Service Agreements			
☐ Air Discharge Permit	☐ Readily Available	☐ Up to Date	☐ N/A
☐ Effluent Discharge	☐ Readily Available	☐ Up to Date	☐ N/A
☐ Waste Disposal, POTW	☐ Readily Available	☐ Up to Date	☐ N/A
☐ Other permits	☐ Readily Available	☐ Up to Date	☐ N/A
Remarks:			
5. Gas Generation Records			
	☐ Readily Available	☐ Up to Date	☐ N/A
Remarks:			
6. Settlement Monument Records			
	☐ Readily Available	☐ Up to Date	☐ N/A
Remarks:			
7. Groundwater Monitoring Records			
	☐ Readily Available	☐ Up to Date	☐ N/A
Remarks:			
8. Leachate Extraction Records			
	☐ Readily Available	☐ Up to Date	☐ N/A
Remarks:			
9. Discharge Compliance Records			
☐ Air	☐ Readily Available	☐ Up to Date	☐ N/A
☐ Water (effluent)	☐ Readily Available	☐ Up to Date	☐ N/A
Remarks:			
10. Daily Access/Security Logs			
	☐ Readily Available	☐ Up to Date	☐ N/A
Remarks:			

Appendix A: Five-Year Review Site Inspection Checklist

Appendix A: Five-Year Review Site Inspection Checklist

IV. O&M COSTS			
1. O&M Organization ☐ State in-house ☐ PRP in-house ☐ Federal Facility in-house ☐ Other ☐ Contractor for State ☐ Contractor for PRP ☐ Contractor for Federal Facility			
2. O&M Cost Records ☐ Readily Available ☐ Funding mechanism/agreement in place Original O&M cost estimate ☐ Up to date ☐ Breakdown attached			
Total annual cost by year for review period if available			
From _____	To _____	_____	☐ Breakdown attached
(Date)	(Date)	(Total Cost)	
From _____	To _____	_____	☐ Breakdown attached
(Date)	(Date)	(Total Cost)	
From _____	To _____	_____	☐ Breakdown attached
(Date)	(Date)	(Total Cost)	
From _____	To _____	_____	☐ Breakdown attached
(Date)	(Date)	(Total Cost)	
From _____	To _____	_____	☐ Breakdown attached
(Date)	(Date)	(Total Cost)	
3. Unanticipated or Unusually High O&M Costs During Review Period Describe costs and reasons: 			
V. ACCESS AND INSTITUTIONAL CONTROLS ☐ Applicable ☐ N/A			
A. Fencing			
1. Fencing damaged ☐ Location shown on site map ☐ Gates secured ☐ N/A Remarks:			
B. Other Access Restrictions			
2. Signs and other security measures ☐ Location shown on site map ☐ N/A Remarks:			

Appendix A: Five-Year Review Site Inspection Checklist

C. Institutional Controls (IC)			
1. Implementation and enforcement			
Site conditions imply ICs not properly implemented	☐ Yes	☐ No	☐ N/A
Site conditions imply ICs being fully enforced	☐ Yes	☐ No	☐ N/A
Type of monitoring (e.g., self-reporting, drive-by)			
Frequency			
Responsible party/agency			
Contact			
	(Name)	(Title)	(Date) (Tel No.)
Reporting is up-to-date	☐ Yes	☐ No	☐ N/A
Reports are verified by the lead agency	☐ Yes	☐ No	☐ N/A
Specific requirements in deed or decision documents have been met	☐ Yes	☐ No	☐ N/A
Violations have been reported	☐ Yes	☐ No	☐ N/A
Other problems or suggestions: ☐ Report attached			
2. Adequacy ☐ ICs are adequate ☐ ICs are inadequate ☐ N/A			
Remarks:			
D. General			
1. Vandalism/trespassing	☐ Location shown on site map	☐ No vandalism evident	
Remarks:			
2. Land use changes on site	☐ N/A		
Remarks:			
3. Land use changes off site	☐ N/A		
Remarks:			
VI. GENERAL SITE CONDITIONS			
A. Roads	☐ Applicable ☐ N/A		
1. Roads damaged	☐ Location shown on site map	☐ Roads Adequate	☐ N/A
Remarks:			
B. Other Site Conditions			
Remarks:			

Appendix A: Five-Year Review Site Inspection Checklist

VII. LANDFILL COVERS ☐ Applicable ☐ N/A			
A. Landfill Surface			
1. Settlement (Low spots) Areal Extent Remarks:	☐ Location shown on site map ☐ Depth	☐ Settlement not evident 	
2. Cracks Lengths Remarks:	☐ Location shown on site map ☐ Widths	☐ Cracking not evident Depths	
3. Erosion Areal Extent Remarks:	☐ Location shown on site map ☐ Depth	☐ Erosion not evident 	
4. Holes Areal Extent Remarks:	☐ Location shown on site map ☐ Depth	☐ Holes not evident 	
5. Vegetative Cover ☐ Grass ☐ Cover properly established ☐ No signs of stress ☐ Trees/Shrubs (indicate size and locations on a diagram) Remarks:			
6. Alternative Cover (armored rock, concrete, etc.) ☐ Applicable ☐ N/A Remarks:			
7. Bulges Areal Extent Remarks:	☐ Location shown on site map ☐ Height	☐ Bulges not evident 	
8. Wet Areas/Water Damage ☐ Wet Areas/water damage not evident			
☐ Wet Areas ☐ Ponding ☐ Seeps ☐ Soft subgrade	☐ Location shown on site map ☐ Location shown on site map ☐ Location shown on site map ☐ Location shown on site map	Areal Extent Areal Extent Areal Extent Areal Extent	

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Remarks:			
9. Slope Instability	☐ Slides	☐ Location shown on site map	☐ No evidence of slope instability
Areal Extent:			
Remarks:			

Appendix A: Five-Year Review Site Inspection Checklist

B. Benches ☐ Applicable ☐ N/A (Horizontally constructed mounds of earth placed across a steep landfill side slope to interrupt the slope in order to slow down the velocity of surface runoff and intercept and convey the runoff to a lined channel.)		
1. Flows Bypass Bench Remarks:	☐ Location shown on site map	☐ N/A or okay
2. Bench Breached Remarks:	☐ Location shown on site map	☐ N/A or okay
3. Bench Overtopped Remarks:	☐ Location shown on site map	☐ N/A or okay
C. Letdown Channels ☐ Applicable ☐ N/A (Channel lined with erosion control mats, riprap, grout bags, or gabions that descend down the steep side slope of the cover and will allow the runoff water collected by the benches to move off the landfill cover without creating erosion gullies.)		
1. Settlement Areal extent Depth Remarks:	☐ Location shown on site map	☐ No evidence of settlement
2. Material Degradation Areal extent Depth Remarks:	☐ Location shown on site map	☐ No evidence of degradation
3. Erosion Areal extent Depth Remarks:	☐ Location shown on site map	☐ No evidence of erosion
4. Undercutting Areal extent Depth Remarks:	☐ Location shown on site map	☐ No evidence of undercutting
5. Obstructions Type ☐ Location shown on site map Areal extent Remarks:	☐ No obstructions	
6. Excessive Vegetative Growth Type		

Appendix A: Five-Year Review Site Inspection Checklist

- ☐ No evidence of excessive growth
- ☐ Vegetation in channels does not obstruct flow
- ☐ Location shown on site map Areal extent

Remarks:

Appendix A: Five-Year Review Site Inspection Checklist

D. Cover Penetrations ☐ Applicable ☐ N/A			
1. Gas Vents ☐ Active ☐ Passive ☐ Properly ☐ Functioning ☐ Routinely sampled ☐ Good condition Secured/Locked ☐ Evidence of leaking at penetration ☐ Needs maintenance ☐ N/A Remarks:			
2. Gas Monitoring Probes ☐ Properly ☐ Functioning ☐ Routinely sampled ☐ Good condition Secured/Locked ☐ Evidence of leaking at penetration ☐ Needs maintenance ☐ N/A Remarks:			
3. Monitoring Wells (within surface of landfill) ☐ Properly ☐ Functioning ☐ Routinely sampled ☐ Good condition Secured/Locked ☐ Evidence of leaking at penetration ☐ Needs maintenance ☐ N/A Remarks:			
4. Leachate Extraction Wells ☐ Properly ☐ Functioning ☐ Routinely sampled ☐ Good condition Secured/Locked ☐ Evidence of leaking at penetration ☐ Needs maintenance ☐ N/A Remarks:			
5. Settlement Monuments ☐ Located ☐ Routinely sampled ☐ N/A Remarks:			
E. Gas Collection and Treatment ☐ Applicable ☐ N/A			
1. Gas Treatment Facilities ☐ Flaring ☐ Thermal destruction ☐ Collection for reuse ☐ Good condition ☐ Needs maintenance Remarks:			
2. Gas Collection Wells, Manifolds and Piping ☐ Good condition ☐ Needs maintenance Remarks:			
3. Gas Monitoring Facilities (e.g., gas monitoring of adjacent homes or buildings) ☐ Good condition ☐ Needs maintenance ☐ N/A Remarks:			

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F. Cover Drainage Layer ☐ Applicable ☐ N/A			
1. Outlet Pipes Inspected ☐ Functioning ☐ N/A Remarks:			
2. Outlet Rock Inspected ☐ Functioning ☐ N/A Remarks:			
G. Detention/Sediment Ponds ☐ Applicable ☐ N/A			
1. Siltation	Areal Extent	Depth	☐ Siltation not evident
Remarks:			
2. Erosion	Areal Extent	Depth	☐ Erosion not evident
Remarks:			
3. Outlet Works ☐ Functioning ☐ N/A Remarks:			
4. Dam ☐ Functioning ☐ N/A Remarks:			
H. Retaining Walls ☐ Applicable ☐ N/A			
1. Deformations	☐ Location shown on site map	☐ Deformation not evident	
Horizontal displacement		Vertical displacement	
Rotational displacement			
Remarks:			
I. Perimeter Ditches/Off-Site Discharge ☐ Applicable ☐ N/A			
1. Siltation	☐ Location shown on site map	☐ Siltation not evident	
Areal extent		Depth	
Remarks:			
2. Vegetative Growth ☐ Location shown on site map ☐ N/A ☐ Vegetation does not impede flow			
Areal extent		Type	
Remarks:			
3. Erosion ☐ Location shown on site map ☐ N/A			
Areal extent		Type	
Remarks:			

Appendix A: Five-Year Review Site Inspection Checklist

4. Discharge Structure

☐ Functioning

☐ N/A

Remarks:

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VIII. VERTICAL BARRIER WALLS ☐ Applicable ☐ N/A			
1. Settlement Areal extent Remarks:	☐ Location shown on site map Type	☐ Settlement not evident Type of monitoring Frequency Head differential	
IX. GROUNDWATER/SURFACE WATER REMEDIES ☐ Applicable ☐ N/A			
A. Groundwater Extraction Wells, Pumps and Pipelines ☐ Applicable ☐ N/A			
1. Pumps, Wellhead Plumbing and Electrical			
☐ Good condition Remarks:	☐ All required wells properly operating	☐ Needs maintenance ☐ N/A	
2. Extraction System Pipelines, Valves, Valve Boxes, and Other Appurtenances			
☐ Good condition Remarks:	☐ Needs maintenance		
3. Spare Parts and Equipment			
☐ Readily Available Remarks:	☐ Good condition	☐ Requires Upgrade	☐ Needs to be provided
B. Surface Water Collection Structures, Pumps and Pipelines ☐ Applicable ☐ N/A			
1. Collection Structures, Pumps and Electrical			
☐ Good condition Remarks:	☐ Needs maintenance		
2. Surface Water Collection System Pipelines, Valves, Valve Boxes, and Other Appurtenances			
☐ Good condition Remarks:	☐ Needs maintenance		
3. Spare Parts and Equipment			
☐ Readily Available Remarks:	☐ Good condition	☐ Requires Upgrade	☐ Needs to be provided

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C. Treatment System ☐ Applicable ☐ N/A			
1. Treatment Train (Check components that apply)			
☐ Metals Removal	☐ Oil/water separation	☐ Bioremediation	
☐ Air stripping	☐ Carbon adsorbers		
☐ Filters			
☐ Additive (e.g., chelation agent, flocculent)			
☐ Others			
☐ Good condition	☐ Needs maintenance		
☐ Sampling ports properly marked and functional			
☐ Sampling/maintenance log displayed and up to date			
☐ Equipment properly identified			
Quantity of groundwater treated annually			
Quantity of surface water treated annually			
Remarks:			
2. Electrical Enclosures and Panels (properly rated and functional)			
☐ N/A	☐ Good condition	☐ Needs maintenance	
Remarks:			
3. Tanks, Vaults, Storage Vessels			
☐ N/A	☐ Good condition	☐ Proper Secondary containment	☐ Needs maintenance
Remarks:			
4. Discharge Structures and Appurtenances			
☐ N/A	☐ Good condition	☐ Needs maintenance	
Remarks:			
5. Treatment Building(s)			
☐ N/A	☐ Good condition (esp. roof and doorways)	☐ Needs repair	
☐ Chemicals and equipment properly stored			
Remarks:			
6. Monitoring Wells (pump and treat remedy)			
☐ Properly secured/locked	☐ Functioning	☐ Routinely sampled	☐ Good condition
☐ All required wells located	☐ Needs maintenance	☐ N/A	
Remarks:			

Appendix A: Five-Year Review Site Inspection Checklist

D. Monitoring Data
1. Monitoring Data ☐ Is routinely submitted on time ☐ Is of acceptable quality
2. Monitoring Data Suggests: ☐ Groundwater plume is effectively contained ☐ Contaminant concentrations are declining
Remarks:
E. Monitoring Natural Attenuation (MNA)
1. Monitoring Wells (MNA remedy) ☐ Properly secured/locked ☐ Functioning ☐ Routinely sampled ☐ Good condition ☐ All required wells located ☐ Needs maintenance ☐ N/A
Remarks:
X. OTHER REMEDIES
If there are remedies applied at the site which are not covered above, attach an inspection sheet describing the physical nature and condition of any facility associated with the remedy. An example would be soil vapor extraction.
XI. OVERALL OBSERVATIONS
A. Implementation of the Remedy
Describe issues and observations relating to whether the remedy is effective and functioning as designed. Begin with a brief statement of what the remedy is to accomplish (i.e., to contain contaminant plume, minimize infiltration and gas emission, etc.).

Appendix A: Five-Year Review Site Inspection Checklist

B. Adequacy of O&M

Describe issues and observations related to the implementation and scope of the O&M procedures. In particular, discuss their relationship to the current and long-term protectiveness of the remedy.

APPENDIX B

Applicable or Relevant and Appropriate Requirements (ARARs)

TABLE 4-1a
BARKHAMSTED-NEW HARTFORD LANDFILL SUPERFUND SITE, BARKHAMSTED, CONNECTICUT
POTENTIAL STATE AND FEDERAL LOCATION-SPECIFIC ARARS
ALTERNATIVE MM-1 (No Action)

Location - Specific ARARS are not applicable to this alternative.

TABLE 4-1b
BARKHAMSTED-NEW HARTFORD LANDFILL SUPERFUND SITE
BARKHAMSTED, CONNECTICUT

POTENTIAL STATE AND FEDERAL LOCATION-SPECIFIC ARARS
ALTERNATIVE MM-2 (Management/Natural Attenuation)

Location - Specific ARARS are not applicable to this alternative.

TABLE 4-1c
BARKHAMSTED-NEW HARTFORD LANDFILL SUPERFUND SITE
BARKHAMSTED, CONNECTICUT

POTENTIAL STATE AND FEDERAL LOCATION-SPECIFIC ARARs
ALTERNATIVE MM-3A (Collection/Treatment/Discharge)

Location-Specific ARARs are not applicable to this alternative.

TABLE 4-1d
BARKHAMSTED-NEW HARTFORD LANDFILL SUPERFUND SITE
BARKHAMSTED, CONNECTICUT

POTENTIAL STATE AND FEDERAL LOCATION-SPECIFIC ARARS
ALTERNATIVE MM-3B (Collection/Treatment/Discharge)

Location - Specific ARARS are not applicable to this alternative.

TABLE 4-2a
BARKHAMSTED-NEW HARTFORD SUPERFUND SITE, BARKHAMSTED, CONNECTICUT
POTENTIAL STATE AND FEDERAL CHEMICAL-SPECIFIC ARARs
ALTERNATIVE MM-1 (No Action)

<u>Authority</u>	<u>Requirement</u>	<u>Status</u>	<u>Requirement Synopsis</u>	<u>Action Taken to Meet ARAR</u>
GROUNDWATER				
Federal Requirements	Safe Drinking Water Act (SDWA) Maximum Contaminant Levels (MCLs) 40 CFR §141.11 - 141.16	Relevant and Appropriate	MCLs have been promulgated for several common organic and inorganic contaminants. These levels regulate the concentration of contaminants in public drinking water supplies, but may also be considered relevant and appropriate for groundwater aquifers used for drinking water.	COPCs were compared to MCLs. MCLs were utilized to evaluate the clean-up criteria.
	Maximum Contaminant Level Goals (MCLGs) 40 CFR §141.50-141.51	Relevant and Appropriate	MCLGs are health-based criteria to be considered for drinking water sources. MCLGs are available for several organic and inorganic contaminants. Non-zero MCLGs are to be used as goals when MCLs have not been established.	When MCLs have not been established, non-zero MCLGs in the groundwater will be attained at the compliance boundary. A restriction on use of groundwater within the compliance boundary will be established and an appropriate monitoring program will be conducted until the groundwater concentrations are less than the MCLGs.
State Requirements	Standards for Quality and Adequacy of Public Drinking Water RCSA §19-13-B101 through B102	Relevant and Appropriate	Regulations similar to the Safe Drinking Water Act where by standards for water quality in private water supply systems and standards for quality of public drinking water have been established. +MCLs established under these standards are health-based limits for certain chemical substances in drinking water.	These standards will be compared to federal standards. If the state standards are more stringent than the federal standards, then the state standards will be met by the remedy.
	Remediation Standard Regulations RCSA §22a-133k- 1 through 3	Applicable	Substances that are part of a release at a site must be remediated. In some cases, groundwater must be remediated to background concentrations. For other cases, as described in §22a-133k-3(d)(1) and (2), the regulations provide specific numeric clean up criteria for a wide variety of contaminants in groundwater, surface water and soil vapor. Any substance which is part of a release but does not have established criteria, criteria must be derived and approved by the Commissioner.	These standards will be compared to federal standards. If the state standards are more stringent than the federal standards, then the state standards will be met by the remedy. Under state standards, all substances in the groundwater plume will be remediated to background concentrations, unless conditions listed in §22a-133k-3(d)(1) and (2) are met.

Table 4-2b

**BARKHAMSTED-NEW HARTFORD SUPERFUND SITE, BARKHAMSTED, CONNECTICUT
POTENTIAL STATE AND FEDERAL CHEMICAL-SPECIFIC ARARS
ALTERNATIVE MM-2 (Management/Natural Attenuation)**

Authority	Requirement	Status	Requirement Synopsis	Action Taken to Meet ARAR
GROUNDWATER				
Federal Requirements	Safe Drinking Water Act (SDWA) Maximum Contaminant Levels (MCLs) 40 CFR §141.11 - 141.16	Relevant and Appropriate	MCLs have been promulgated for several common organic and inorganic contaminants. These levels regulate the concentration of contaminants in public drinking water supplies, but may also be considered relevant and appropriate for groundwater aquifers used for drinking water.	COPCs were compared to MCLs. MCLs were utilized to evaluate the clean-up criteria.
	Maximum Contaminant Level Goals (MCLGs) 40 CFR §141.50-141.51	Relevant and Appropriate	MCLGs are health-based criteria to be considered for drinking water sources. MCLGs are available for several organic and inorganic contaminants. Non-zero MCLGs are to be used as goals when MCLs have not been established.	When MCLs have not been established, non-zero MCLGs in the groundwater will be attained at the compliance boundary. A restriction on use of groundwater within the compliance boundary will be established and an appropriate monitoring program will be conducted until the groundwater concentrations are less than the MCLGs.
State Requirements	Standards for Quality and Adequacy of Public Drinking Water RCSA §19-13-B101 through B102	Relevant and Appropriate	Regulations similar to the Safe Drinking Water Act where by private water supply systems and standards for quality of public drinking water have been established.	These standards will be compared to federal standards. If the state standards are more stringent than the federal standards, then the state standards will be met by the remedy.

Table 4-2b

BARKHAMSTED NEW HARTFORD SUPERFUND SITE, BARKHAMSTED, CONNECTICUT
POTENTIAL STATE AND FEDERAL CHEMICAL-SPECIFIC ARARs
ALTERNATIVE MM-2 (Management/Natural Attenuation)

<u>Authority</u>	<u>Requirement</u>	<u>Status</u>	<u>Requirement Synopsis</u>	<u>Action Taken to Meet ARAR</u>
	Remediation Standard Regulations RCSA §22a-133k. 1 through 3	Applicable	Substances that are part of a release at a site must be remediated. In some cases, groundwater must be remediated to background concentrations. For other cases, as described in §22a-133k-3(d)(1) and (2), the regulations provide specific numeric clean up criteria for a wide variety of contaminants in groundwater, surface water and soil vapor. Any substance which is part of a release but does not have established criteria, criteria must be derived and approved by the Commissioner.	These standards will be compared to federal standards. If the state standards are more stringent than the federal standards, then the state standards will be met by the remedy. Under state standards, all substances in the groundwater plume will be remediated to background concentrations, unless conditions listed in §22a-133k-3(d)(1) and (2) are met.

TABLE 4-2c
BARKHAMSTED-NEW HARTFORD SUPERFUND SITE, BARKHAMSTED, CONNECTICUT
POTENTIAL STATE AND FEDERAL CHEMICAL-SPECIFIC ARARs
ALTERNATIVE MM- 3A (Collection/Treatment Discharge)

<u>Authority</u>	<u>Requirement</u>	<u>Status</u>	<u>Requirement Synopses</u>	<u>Action Taken to Meet ARAR</u>
GROUNDWATER				
Federal Requirements	Safe Drinking Water Act (SDWA) Maximum Contaminant Levels (MCLs) 40 CFR §141.11 - 141.16	Relevant and Appropriate	MCLs have been promulgated for several common organic and inorganic contaminants. These levels regulate the concentration of contaminants in public drinking water supplies, but may also be considered relevant and appropriate for groundwater aquifers used for drinking water.	COPCs were compared to MCLs. MCLs were utilized to evaluate the clean-up criteria.
	Maximum Contaminant Level Goals (MCLGs) 40 CFR §141.50-141.51	Relevant and Appropriate	MCLGs are health-based criteria to be considered for drinking water sources. MCLGs are available for several organic and inorganic contaminants. Non-zero MCLGs are to be used as goals when MCLs have not been established.	When MCLs have not been established, non-zero MCLGs in the groundwater will be attained at the compliance boundary. A restriction on use of groundwater within the compliance boundary will be established and an appropriate monitoring program will be conducted until the groundwater concentrations are less than the MCLGs.
State Requirements	Standards for Quality and Adequacy of Public Drinking Water RCNA §19-13-B101 through B102	Relevant and Appropriate	Regulations similar to the Safe Drinking Water Act where by standards for water quality in private water supply systems and standards for quality of public drinking water have been established. MCLs established under these standards are health-based limits for certain chemical substances in drinking water.	These standards will be compared to federal standards. If the state standards are more stringent than the federal standards, then the state standards will be met by the remedy.

TABLE 4-2c
BARKHAMSTED-NEW HARTFORD SUPERFUND SITE, BARKHAMSTED, CONNECTICUT
POTENTIAL STATE AND FEDERAL CHEMICAL-SPECIFIC ARARs
ALTERNATIVE MM-3A (Collection/Treatment/Discharge)

<u>Authority</u>	<u>Requirement</u>	<u>Status</u>	<u>Requirement Synopsis</u>	<u>Action Taken to Meet ARAR</u>
	Remediation Standard Regulations RCSA §22a-133k-1 through 3	Applicable	Substances that are part of a release at a site must be remediated. In some cases, groundwater must be remediated to background concentrations. For other cases, as described in §22a-133k-3(d)(1) and (2), the regulations provide specific numeric clean up criteria for a wide variety of contaminants in groundwater, surface water and soil vapor. Any substance which is part of a release but does not have established criteria, criteria must be derived and approved by the Commissioner.	These standards will be compared to federal standards. If the state standards are more stringent than the federal standards, then the state standards will be met by the remedy. Under state standards, all substances in the groundwater plume will be remediated to background concentrations, unless conditions listed in §22a-133k-3(d)(1) and (2) are met.

TABLE 4-2d
BARKHAMSTED-NEW HARTFORD SUPERFUND SITE, BARKHAMSTED, CONNECTICUT
POTENTIAL STATE AND FEDERAL CHEMICAL-SPECIFIC ARARs
ALTERNATIVE MM-3B (Collection/Treatment/Discharge)

<u>Authority</u>	<u>Requirement</u>	<u>Status</u>	<u>Requirement Synopsis</u>	<u>Action Taken to Meet ARAR</u>
GROUNDWATER				
Federal Requirements	Safe Drinking Water Act (SDWA) Maximum Contaminant Levels (MCLs) 40 CFR §141.11 - 141.16	Relevant and Appropriate	MCLs have been promulgated for several common organic and inorganic contaminants. These levels regulate the concentration of contaminants in public drinking water supplies, but may also be considered relevant and appropriate for groundwater aquifers used for drinking water.	COPCs were compared to MCLs. MCLs were utilized to evaluate the clean-up criteria.
	Maximum Contaminant Level Goals (MCLGs) 40 CFR §141.50-141.51	Relevant and Appropriate	MCLGs are health-based criteria to be considered for drinking water sources. MCLGs are available for several organic and inorganic contaminants. Non-zero MCLGs are to be used as goals when MCLs have not been established.	When MCLs have not been established, non-zero MCLGs in the groundwater will be attained at the compliance boundary. A restriction on use of groundwater within the compliance boundary will be established and an appropriate monitoring program will be conducted until the groundwater concentrations are less than the MCLGs.

TABLE 4-2d
BARKHAMSTED-NEW HARTFORD SUPERFUND SITE, BARKHAMSTED, CONNECTICUT
POTENTIAL STATE AND FEDERAL CHEMICAL-SPECIFIC ARARs
ALTERNATIVE MM-3B (Collection/Treatment/Discharge)

<u>Authority</u>	<u>Requirement</u>	<u>Status</u>	<u>Requirement Synopsis</u>	<u>Action Taken to Meet ARAR</u>
State Requirements	Standards for Quality and Adequacy of Public Drinking Water RCSA §19-13-B101 through B102	Relevant and Appropriate	Regulations similar to the Safe Drinking Water Act where by standards for water quality in private water supply systems and standards for quality of public drinking water have been established. MCLs established under these standards are health-based limits for certain chemical substances in drinking water.	These standards will be compared to federal standards. If the state standards are more stringent than the federal standards, then the state standards will be met by the remedy.
	Remediation Standard Regulations RCSA §22a-133k-1 through 3	Applicable	Substances that are part of a release at a site must be remediated. In some cases, groundwater must be remediated to background concentrations. For other cases, as described in §22a-133k-3(d)(1) and (2), the regulations provide specific numeric clean up criteria for a wide variety of contaminants in groundwater, surface water and soil vapor. Any substance which is part of a release but does not have established criteria, criteria must be derived and approved by the Commissioner.	These standards will be compared to federal standards. If the state standards are more stringent than the federal standards, then the state standards will be met by the remedy. Under state standards, all substances in the groundwater plume will be remediated to background concentrations, unless conditions listed in §22a-133k-3(d)(1) and (2) are met.

TABLE 4-3a
 BARKHAMSTED-NEW HARTFORD LANDFILL SUPERFUND SITE, BARKHAMSTED, CONNECTICUT
POTENTIAL STATE AND FEDERAL ACTION-SPECIFIC ARARS
ALTERNATIVE MM-1 (No Action)

Action - Specific ARARS are not applicable to this alternative.

TABLE 4-3b

**BARKHAMSTED-NEW HARTFORD LANDFILL SUPERFUND SITE, BARKHAMSTED, CONNECTICUT
POTENTIAL STATE AND FEDERAL ACTION-SPECIFIC ARARs
ALTERNATIVE MM-2 (Management/Natural Attenuation)**

<u>Authority</u>	<u>Requirement</u>	<u>Status</u>	<u>Requirement Synopsis</u>	<u>Action Taken to Meet ARAR</u>
GROUNDWATER				
State Requirements	Water Quality Standards CGS §22a-426	Applicable	Connecticut's Water Quality Standards were adopted under this statute. They establish specific numeric criteria, and anti-degradation policies for groundwater and surface water. The groundwater classification of the Site is GA and the state's goal is to restore the groundwater to a quality consistent with its use for drinking without treatment.	Remedial activities will be under taken in a manner which is consistent with the anti-degradation policy in the water quality standards. If any remedial activities occur that are regulated under these provisions, the use of engineering controls and best management practices may be required to prevent or minimize adverse impacts to the waters of the state.

TABLE 4-3c
BARKHAMSTED-NEW HARTFORD LANDFILL SUPERFUND SITE, BARKHAMSTED, CONNECTICUT
POTENTIAL STATE AND FEDERAL ACTION-SPECIFIC ARARs
ALTERNATIVE MM-3A (Collection/Treatment/Discharge)

Authority	Requirement	Status	Requirement Synopsis	Action Taken to Meet ARAR
GROUNDWATER				
State Requirements	Regulations for the Well Drilling Industry RCSA 25-128-33 through 64	Applicable	Rules apply to any new water supply or withdrawal wells (not monitoring wells). However, if remediation involves installation of withdrawal wells, these rules are applicable. The sections of these rules regarding monitoring well abandonment may be applicable.	Recovery wells installed as part of MM-3A would meet the requirements.
SURFACE WATER				
Federal Requirements	CWA National Pollutant Discharge Elimination System (NPDES) 40 CFR Part 122, 125, 131, and 136	Applicable	This rule requires permits specifying the permissible concentration or level of contaminants in the effluent for the discharge of pollutants from any point source into the waters of the United States	Remedial activities involving discharges to surface waters will meet discharge limitations, monitoring requirements and best management practices.
	RCRA Air Emission Standard for Process Vents 40 CFR Part 264, Subpart AA	Relevant and Appropriate	These regulations establish requirements for controlling emissions from process vents associated with treatment processes that manage hazardous wastes with organic concentrations of 10 ppm or more.	If air stripping is selected as a treatment method and it involves management of hazardous waste with organic concentrations of at least 10 ppm, then the equipment used in the remedial activities will meet the requirements and be monitored for compliance.
	RCRA Air Emission Standards for Equipment Leaks 40 CFR Part 264, Subpart BB	Relevant and Appropriate	These regulations establish standards for equipment that contains or contacts hazardous waste with organic concentrations of at least 10% by weight.	If the treatment involves management of hazardous waste with organic concentrations of at least 10 ppm equipment used will meet the designated specifications and will be monitored for leaks.
	Discharge of Treatment System Effluent RCSA 22a-430-1 through 22a-430-8	Applicable	Regulations regarding discharge permit requirements and underground injection control. MM-3A would be designed so that the discharge meets the requirements.	MM-3A would be designed so that the discharge meets the requirements
State Requirements	Water Pollution Control CGS §22a-430	Applicable	This section prohibits discharge to the waters of the state without a permit.	Any discharges will meet the substantive requirements of this section, including treatment if necessary.
	Water Quality Standards CGS §22a-426	Applicable	Connecticut's Water Quality Standards were adopted under this statute. They establish specific numeric criteria, and anti-degradation policies for groundwater and surface water. The groundwater classification of the Site is CA and the states' goal is to restore the groundwater to a quality consistent with its use for drinking with out treatment.	Remedial activities will be under taken in a manner which is consistent with the anti-degradation policy in the water quality standards. If any remedial activities occur that are regulated under these provisions, the use of engineering controls and best management practices may be required to prevent or minimize adverse impacts to the waters of the state.

TABLE 4-3c
BARKHAMSTED-NEW HARTFORD LANDFILL SUPERFUND SITE, BARKHAMSTED, CONNECTICUT
POTENTIAL STATE AND FEDERAL ACTION-SPECIFIC ARARs
ALTERNATIVE MM-3A (Collection/Treatment/Discharge)

<u>Authority</u>	<u>Requirement</u>	<u>Status</u>	<u>Requirement Synopsis</u>	<u>Action Taken to Meet ARAR</u>
	Air Pollution Control RCSA §22a-174-1 through 29	Applicable	These regulations require permits to construct and operate specified types of emission sources and contain emission standards. That must be met prior to issuance of a permit. Pollutant abatement controls may be required.	Emission standard for fugitive dust from excavation and restoration operations would be met with dust control measures.
	Air Pollution Control RCSA §22a-174-23	Applicable	This section prohibits the emission of substances which contributes to an odor in the ambient air that constitutes a nuisance.	Any discharge from an air stripper or other treatment system will meet these requirements.
	Air Pollution Control RCSA §22a-174-29	Applicable	This section establishes testing requirements and allowable concentrations for may specific substances.	Any discharge from an air stripper or other treatment system will meet these requirements.

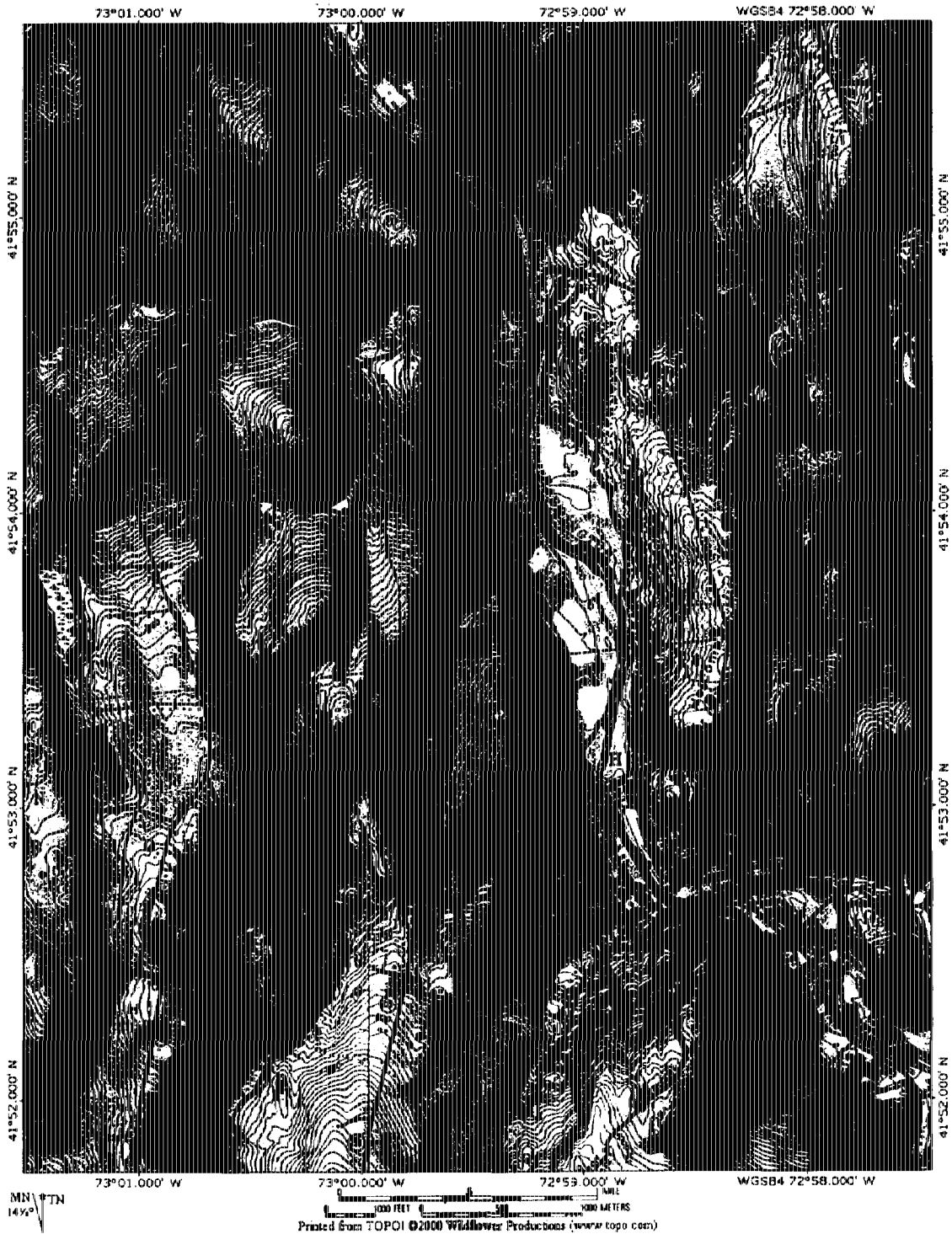
TABLE 4-3d
BARKHAMSTED-NEW HARTFORD LANDFILL SUPERFUND SITE, BARKHAMSTED, CONNECTICUT
POTENTIAL STATE AND FEDERAL ACTION-SPECIFIC ARARs
ALTERNATIVE MM-3B (Collection/Treatment/Discharge)

<u>Authority</u>	<u>Requirement</u>	<u>Status</u>	<u>Requirement Synopsis</u>	<u>Action Taken to Meet ARAR</u>
GROUNDWATER				
State Requirements	Regulations for the Well Drilling Industry RCSA 25-128-33 through 64	Applicable	Rules apply to any new water supply or withdrawal wells (not monitoring wells). However, if remediation involves installation of withdrawal wells, these rules are applicable. The sections of these rules regarding monitoring well abandonment may be applicable.	Recovery wells installed as part of MM-3B would meet the requirements.
SURFACE WATER				
Federal Requirements	CWA National Pollutant Discharge Elimination System (NPDES) 40 CFR Part 122, 125, 131, and 136	Applicable	This rule requires permits specifying the permissible concentration or level of contaminants in the effluent for the discharge of pollutants from any point source into the waters of the United States	Remedial activities involving discharges to surface waters will meet discharge limitations, monitoring requirements and best management practices.
	RCRA Air Emission Standard for Process Vents 40 CFR Part 264, Subpart AA	Relevant and Appropriate	These regulations establish requirements for controlling emissions from process vents associated with treatment processes that manage hazardous wastes with organic concentrations of 10 ppm or more.	If air stripping is selected as a treatment method and it involves management of hazardous waste with organic concentrations of at least 10 ppm., then the equipment used in the remedial activities will meet the requirements and be monitored for compliance.
	RCRA Air Emission Standards for Equipment Leaks 40 CFR Part 264, Subpart BB	Relevant and Appropriate	These regulations establish standards for equipment that contains or contacts hazardous waste with organic concentrations of at least 10% by weight.	If the treatment involves management of hazardous waste with organic concentrations of at least 10 ppm equipment used will meet the designated specifications and will be monitored for leaks.

TABLE 4-3d
BARKHAMSTED-NEW HARTFORD LANDFILL SUPERFUND SITE, BARKHAMSTED, CONNECTICUT
POTENTIAL STATE AND FEDERAL ACTION-SPECIFIC ARARs
ALTERNATIVE MM-3B (Collection/Treatment/Discharge)

Authority	Requirement	Status	Requirement Synopsis	Action Taken to Meet ARAR
State Requirements	Discharge of Treatment System Effluent RCSA 22a-430-1 through 22a-430-8	Applicable	Regulations regarding discharge permit requirements and underground injection control.	MM-3B would be designed so that the discharge meets the requirements.
	Water Pollution Control CCS §22a-430	Applicable	This section prohibits discharge to the waters of the state with out a permit.	Any discharges will meet the substantive requirements of this section, including treatment if necessary.
	Water Quality Standards CCS §22a-426	Applicable	Connecticut's Water Quality Standards were adopted under this statute. They establish specific numeric criteria, and anti-degradation policies for groundwater and surface water. The groundwater classification of the Site is GA and the states' goal is to restore the groundwater to a quality consistent with its use for drinking with out treatment.	Remedial activities will be under taken in a manner which is consistent with the anti-degradation policy in the water quality standards. If any remedial activities occur that are regulated under these provisions, the use of engineering controls and best management practices may be required to prevent or minimize adverse impacts to the waters of the state.
	Air Pollution Control ~~RCSA 22a-174-1 through 22a-174-29~~	Applicable	These regulations require permits to construct and operate specified types of emission sources and contain emission standards. That must be met prior to issuance of a permit. Pollutant abatement controls may be required.	Emission standard for fugitive dust from excavation and restoration operations would be met with dust control measures.
	Air Pollution Control RCSA §22a-174-23	Applicable	This section prohibits the emission of substances which contributes to an odor in the ambient air that constitutes a nuisance.	Any discharge from the treatment system will meet these requirements
	Air Pollution Control RCSA §22a-174-29	Applicable	This section establishes testing requirements and allowable concentrations for may specific substances.	Any discharge from the treatment system will meet these requirements.

Originals in color.

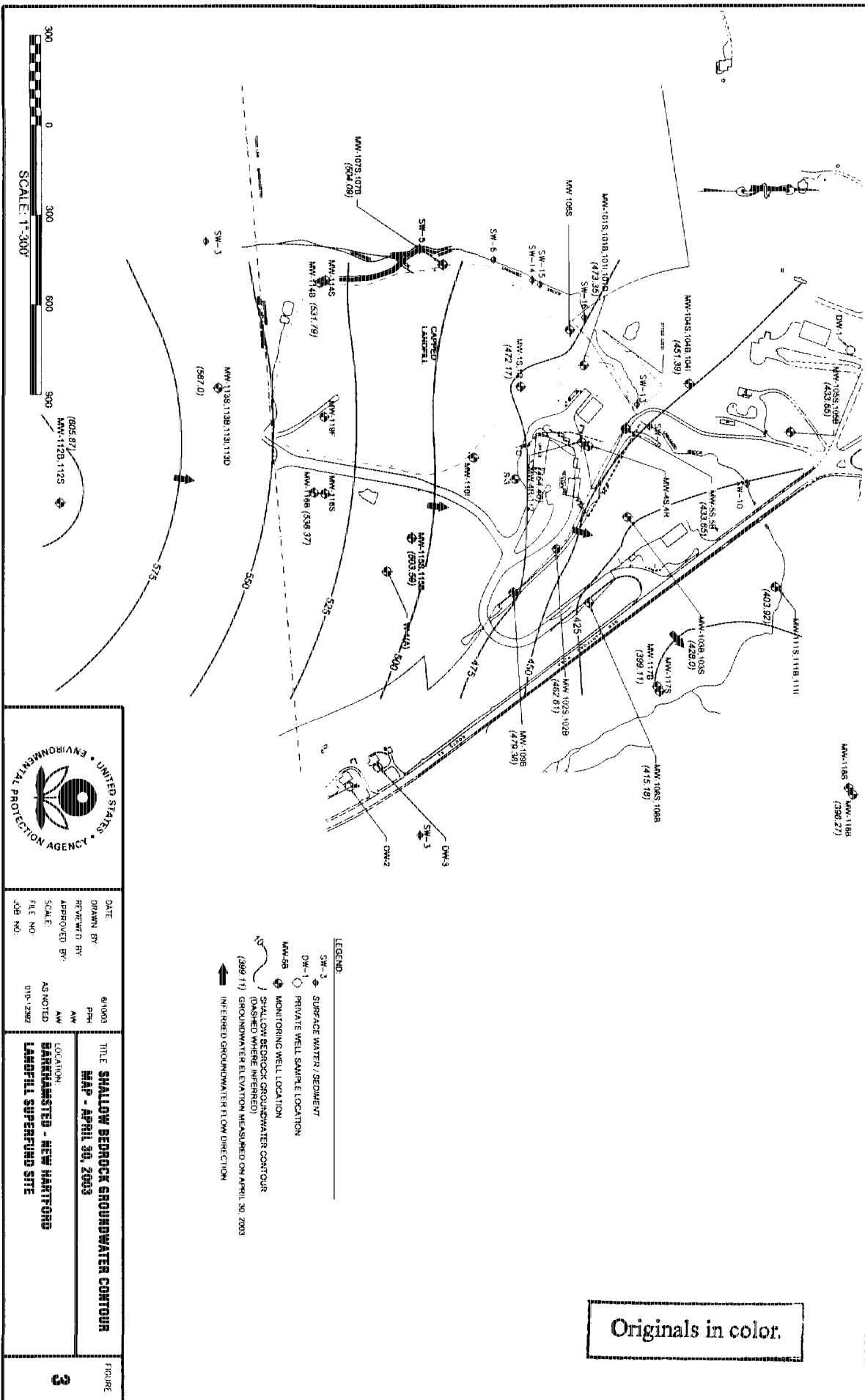


DATE: 6/10/03
DRAWN BY: PPH
REVIEWED BY: AW
APPROVED BY: AW
SCALE: AS NOTED
FILE NO: 010-12392
JOB NO: 010-12392

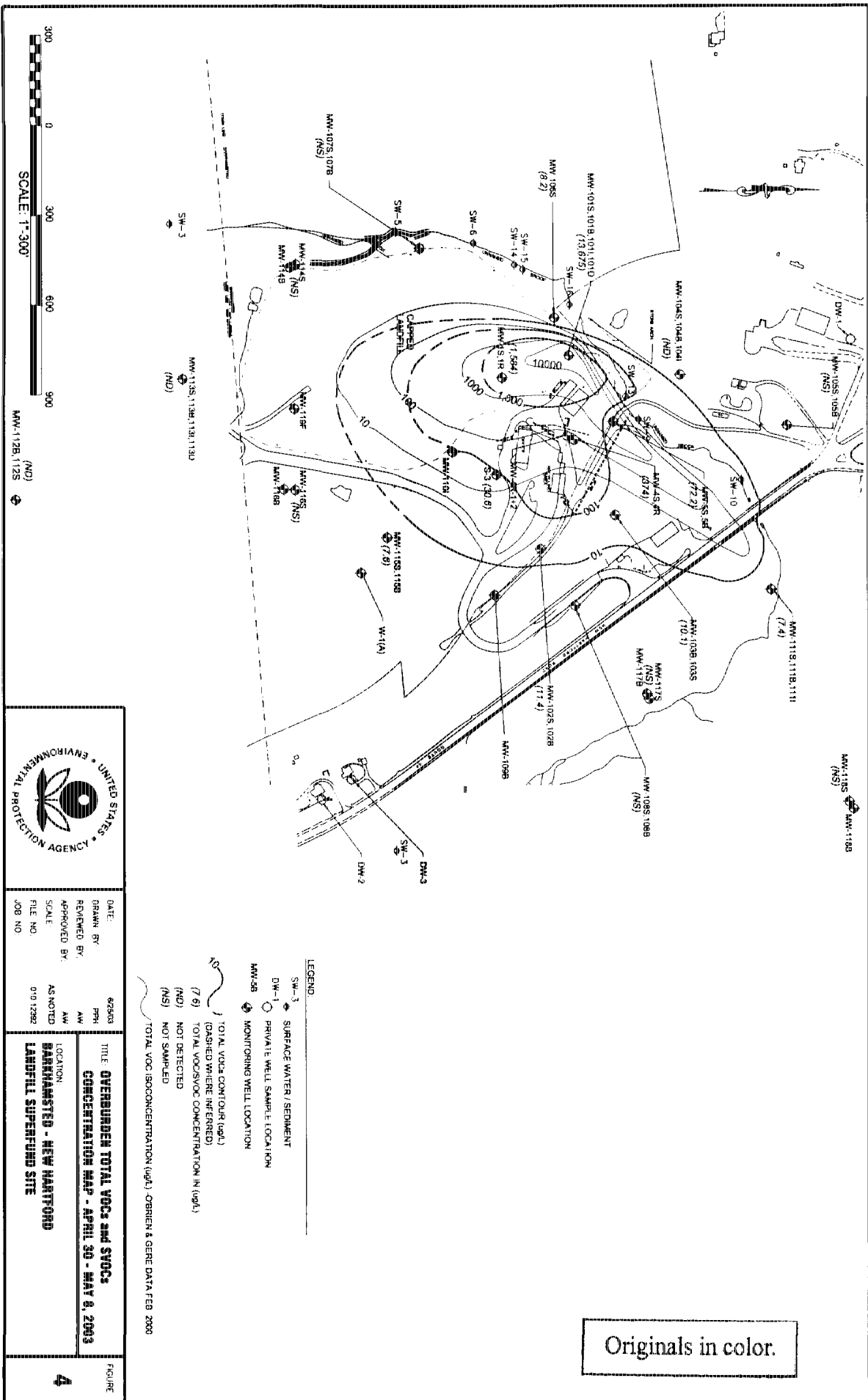
TITLE:
TOPOGRAPHIC MAP
LOCATION:
**BARKHAMSTED - NEW HARTFORD
LANDFILL SUPERFUND SITE**

FIGURE:

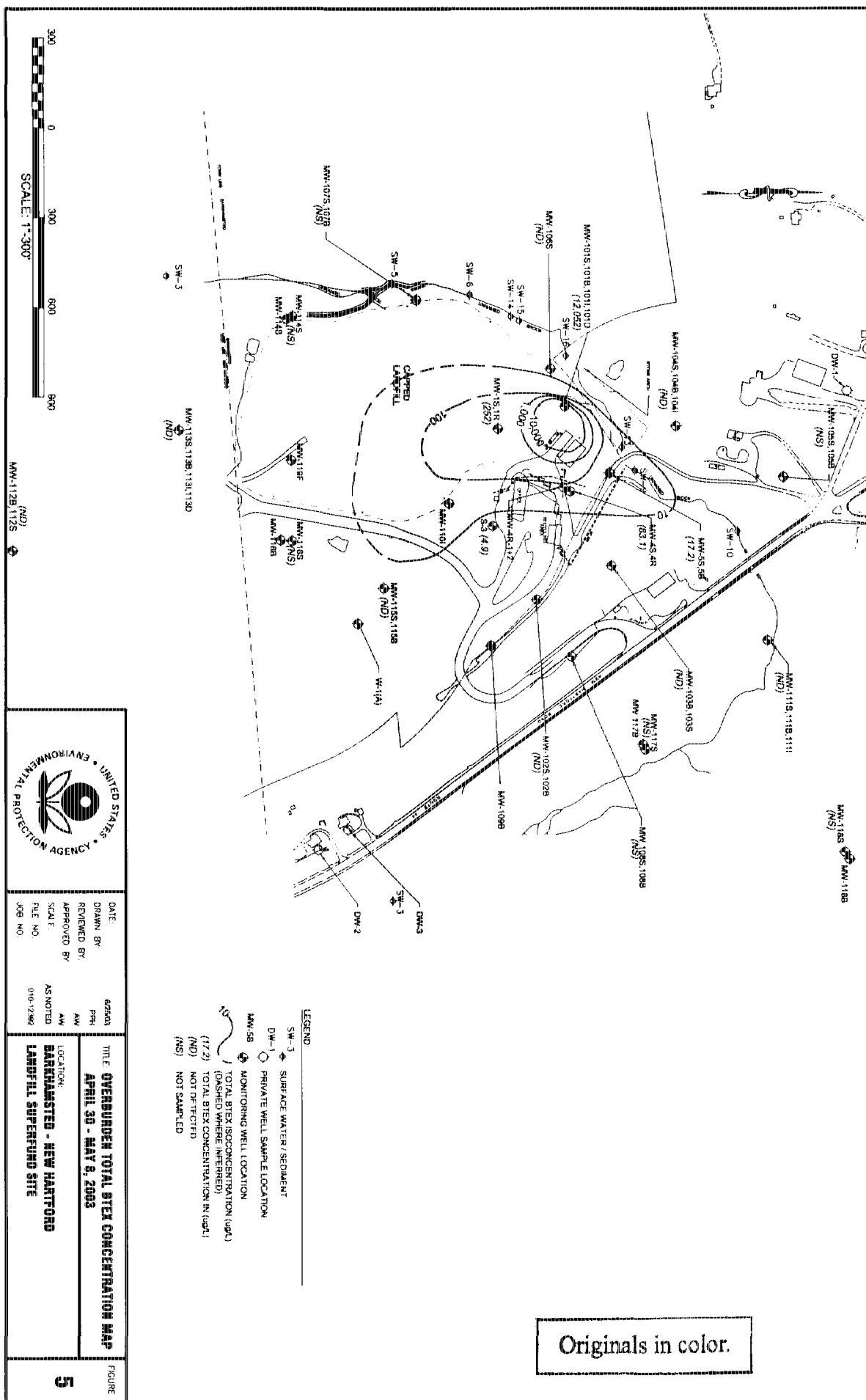
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Originals in color.

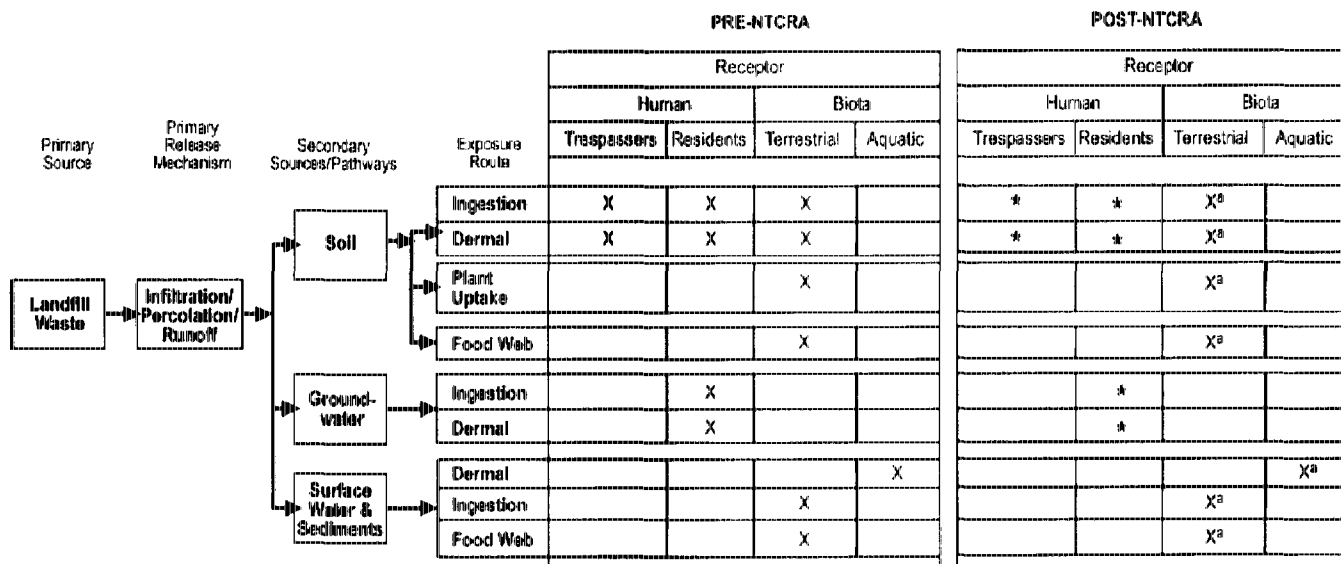


Originals in color.



Originals in color.

Figure 8
Potentially complete exposure pathways (from USEPA, 2001)



65-47

* Exposure prevented by capping or institutional controls

X^a Exposure only to media outside of cap