A

Draft Memorandum

To: *Bruce Stamski, P.E.*
Town of Acton

From: *Chris Koehler, P.E.*

Date: *October 19, 2005*

Subject: *Acton Landfill*
Post-Closure Use Permit Summary

The Town of Acton (Town) received a Provisional Permit for Post-Closure Use of the former Acton Landfill on September 30, 2005. The public comment period will end on October 21, 2005. The provisional permit will be considered a Final Permit on October 31, 2005 unless rescinded or modified by the Department of Environmental Protection (DEP) prior to that date.

General Conditions

Assuming the DEP will not rescind or modify the provisional permit, the Town will be required to adhere to the following **General Conditions:**

- The Town must develop the site according to the plans submitted in the permit application. The plans allow for a multi-recreational field (baseball/softball, soccer, golf driving range), a DPW stockpiling and storage areas, transfer station and an improved recycling area including a paved roadway and parking lot for public use.

  If the Town changes any portion of the plans, regardless of how minor, the Town is required to submit a request to modify a permit to the DEP. For example, if the town decides to change the grades of the landfill or the landfill cap, you must file a modification request; if the town adds another roll-off container to the transfer station, you must file a modification request.

- The Town must comply with all other permits issued by DEP and any/all applicable regulations (Local, State, and Federal).

- The facility must be operated in accordance with the General Requirements, Procedures and Permits of 310 CMR 19.007-19.011. The specific text of the regulations is printed below:

19.007: Rights of the Department

The Department may from time to time without prior notice make examinations and evaluations of solid waste management facilities to determine and enforce compliance with 310 CMR 19.000. The owner or operator shall in no way restrict, impede, or delay such inspections when performed by a representative of the Department upon presentation of Department issued identification.

19.008: Accurate and Timely Submittals

(1) Accurate Submittals. No person shall make any false, inaccurate, or misleading statement in any application, document, information or statement which that person submits or is required to submit to the Department pursuant to 310 CMR 19.000, or any permit, order or approval issued by the Department.

(2) Timely Submittals. Any application, document, information or statement which any person is required to submit to the Department shall be submitted within the time period prescribed in 310 CMR 19.000, or any permit, order or approval issued by the Department unless otherwise specified by the Department.

19.009: Accurate and Complete Record Keeping

No person shall make any false or misleading statement in any record, report, plan, file, log, or register which that person keeps or is required to keep, pursuant to 310 CMR 19.000, or any permit, order, or approval issued by the Department. Any record keeping which any person is required to perform shall be promptly, fully, and accurately performed and shall otherwise be in compliance with 310 CMR 19.000, and any permit, order or approval issued by the Department.

19.010: Accurate Monitoring

No person shall falsify, tamper, or render inaccurate any monitoring device or method which any person maintains, or which is required to be maintained pursuant to 310 CMR 19.000, or any permit, approval or order issued by the Department. Any monitoring which any person is required to perform shall be promptly, fully and accurately performed and shall otherwise be in compliance with 310 CMR 19.000, and any order, permit or approval issued by the Department.

19.011: Certification and Engineer's Supervision

(1) Certification. Any person, required by 310 CMR 19.000 or any order issued by the Department, to submit papers shall identify themselves by name, profession, and relationship to the applicant and legal interest in the facility, and make the following certification: "I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those

individuals immediately responsible for obtaining the information, I believe that the information is true, accurate and complete. I am aware that there are significant penalties both civil and criminal for submitting false information including possible fines and imprisonment."

(2) Engineering Supervision. All papers pertaining to design, operation, maintenance, or engineering of a site or a facility shall be completed under the supervision of a registered professional engineer knowledgeable in solid waste facility design, construction and operation and shall bear the seal, signature and discipline of said engineer. The soils, geology, air modeling, air monitoring and groundwater sections of an application or monitoring report shall be completed by competent professionals experienced in the fields of soil science and soil engineering, geology, air modeling, air monitoring and groundwater, respectively, under the supervision of a registered professional engineer. All mapping and surveying shall be completed by a registered surveyor.

- The Town must also operate in accordance with the *Standard Conditions of the Permit and Authorizations* (310 CMR 19.043(5)) which is printed below:

19.043(5) <u>Standard Conditions</u>

The following conditions shall apply to all owners, operators or permittees (hereinafter comprehensively referred to as "permittee"):

(a) <u>Duty to Comply</u>. The permittee shall comply at all times with the terms and conditions of the permit or approval, 310 CMR 19.000, M.G.L. c. 111, § 150A and all other applicable state and federal statutes and regulations.
(b) <u>Duty to Maintain</u>. The permittee shall always operate and maintain all facilities, environmental control and monitoring systems, vehicles and equipment which the permittee installs or uses.
(c) <u>Duty to Halt or Reduce Activity</u>. The permittee shall halt or reduce activity whenever necessary to maintain compliance with the permit conditions, or to prevent an actual or potential threat to the public health, safety or the environment.
(d) <u>Duty to Mitigate</u>. The permittee shall remedy and shall act to prevent all potential and actual adverse impacts to persons or the environment resulting from non-compliance with terms or conditions of the permit or approval. The permittee shall repair at his own expense all damages caused by such non-compliance.
(e) <u>Duty to Provide Information</u>. The permittee shall furnish to the Department, within a reasonable time, any information which the Department may request and which is deemed by the Department to be relevant in determining whether cause exists to modify, revoke, or suspend a permit or approval, or to determine if the permittee is complying with the permit or approval.
(f) <u>Entries and inspections</u>. The permittee shall allow personnel or authorized agents of the Department, without warrant, upon presentation of credential or other documents as may be required by law, to:

1. enter at all reasonable times any premises, public or private, for the purpose of investigating, sampling or inspecting any records, condition, equipment, practice or property relating to activities subject to M.G.L. c. 111, § 150A;
2. enter at any time such premises for the purpose of protecting the public health, safety, or to prevent damage to the environment; and
3. have access to and copy at all reasonable times all records that are required to be kept pursuant to the conditions of the permit or approval and all other records relevant to the permittee's solid waste activities.

(g) Records . All records and copies of all reports required by 310 CMR 19.000 shall be kept by the permittee for at least three years. This period shall be automatically extended for the duration of any enforcement action. This period may be extended by order of the Department. All record keeping shall be in compliance with 310 CMR 19.009.
(h) Signatory Requirement . All reports, and information requested or ordered by the Department shall be signed by a individual described in 310 CMR 19.030(11) or by a duly authorized representative of such individual. An individual is a "duly authorized representative" only if an individual identified in 310 CMR 19.030(11) has designated in writing to the Department that such individual is a "duly authorized representative."
(i) Duty to Inform. The permittee shall have a continuing duty to immediately:

1. correct any incorrect facts in an application;
2. report or provide to the Department any omitted facts which should have been submitted to the Department at any time;
3. report to the Department, in advance, each planned change in the facility or activity which might result in non-compliance with a term or condition or a permit or approval; and
4. report to the Department each change in the information listed in the application filed pursuant to 310 CMR 19.030.

(j) Notification of Bankruptcy. The permittee shall notify the Department by certified mail of the commencement of a voluntary or involuntary proceeding pursuant to Title 11 (Bankruptcy) of the United States Code in which the permittee is named as debtor within ten days after commencement of the proceeding.
(k) CRT Operations. CRT Operations, as defined in 310 CMR 16.02, that obtain a site assignment and solid waste facility permit shall meet the requirements at 310 CMR 16.05(3)(f) as part of the conditions of their permit.

- The Town cannot transfer the permit to another entity or concern.
- The DEP can rescind or suspend or modify the permit.

Specific Conditions

The permit will require the Town to adhere to the following **Specific Conditions**:

- The Town must continue to conduct Post-Closure Monitoring in accordance with 310 CMR 19.142:

19.142: Landfill Post-Closure Requirements

(1) General. The owner, successors or assigns shall maintain, care for and monitor the site during the post-closure period in order to ensure the integrity of the closure measures and to detect and prevent any adverse impacts of the site on public health, safety or the environment.

(2) Post-Closure Period. For the purposes of 310 CMR 19.142 the post-closure period shall extend for a minimum of a 30 year period.

(3) Post-Closure Period Waiver. The Department may, upon request, reduce the post-closure period to less than 30 years if it finds that a shorter period will be sufficient to protect public health, safety, and the environment. The Department's review will include, but not be limited to, a consideration of the quantity and quality of leachate generated by the landfill, ground water monitoring results, characteristics of the waste disposed, stability of the waste, design of the facility and location of the site.

(4) Post-Closure Period Extension. The post-closure period may be extended by the Department at any time prior to the time that the post-closure period is due to expire where the Department finds an extension is necessary in order to ensure protection of public health, safety or the environment or to mitigate adverse impacts.

(5) Post-Closure Requirements. During the post-closure period the operator shall perform the following activities on any closed portion of the facility:

(a) take corrective actions to remediate and/or mitigate conditions that would compromise the integrity and purpose for the final cover;
(b) maintain the integrity of the liner system and the final cover system;
(c) collect leachate from and monitor and maintain leachate collection system(s);
(d) monitor and maintain the environmental monitoring systems for surface water, ground water and air quality;
(e) maintain access roads;
(f) maintain landfill gas control systems; and
(g) protect and maintain surveyed benchmarks.

(6) Reporting Requirements. The owner, successors or assigns shall submit a report every two years except as otherwise required by the Department during the post-closure period

describing any activity at the site and summarizing the results of environmental monitoring programs.

(7) Additional Measures. The owner, successors or assigns shall institute such additional measures during the post-closure period as the Department deems necessary for the protection of public health or safety or the environment.

(8) Termination of the Post-Closure Period. The post-closure period shall end on the date of the Department's written determination that the post-closure care, maintenance and monitoring of the site are no longer required. Said written determination in no way limits or absolves the owner of liability for the site in the future.

As indicated in 310 CMR 19.142 (2), the Post-Closure Monitoring Period continues for a minimum of 30-years after a landfill is closed. The DEP specifically wrote in the approval letter that the landfill, "…ceased operations in 1970…" and did not write that the landfill, "closed in 1970." I would assume the post-closure period started in 1988, when capping was completed. However, in accordance with 310 CMR 19.142(3), the Town may petition DEP for a reduction in the post-closure period at any time.

- The Town must maintain the integrity of the landfill cap.

  The Town shall not penetrate the cap, ever. No fence post-holes or foundations may be constructed. In general, do not excavate more than 12-inches below the surface in any area within the landfill perimeter.

  The Town shall inspect the landfill regularly and repair any damage to drainage structures, sedimentation controls, side-slopes, and any other damages that compromise the integrity of the cap.

- The Town shall not build any permanent structures on the landfill. Anything you build should be able to be relocated or taken down quickly without compromising the integrity of the cap.

- The Town needs to shape the landfill as shown on the plans. The minimum cap grades must be no greater than 3H:1V and no less than 5 percent. The minimum final grades can be any grade. However, if you change the final grades from those shown on the approved plan, you must file a request for modification.

cc: Bruce Haskell, CDM

COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF ENVIRONMENTAL AFFAIRS
DEPARTMENT OF ENVIRONMENTAL PROTECTION
Central Regional Office, 627 Main Street, Worcester, MA 01608

EO PAUL CELLUCCI
or

E SWIFT
enant Governor

BOB DURAND
Secretary

EDWARD P. KUNCE
Acting Commissioner

RECEIVED
MAY 12 1999
ACTON BOARD OF HEALTH

May 11, 1999

CERTIFIED

F.Y.I
John Murray
Dave Brown

Doug Halley
Acton Board of Health
472 Main Street
Acton, MA 01720

RE: CERO-MAPS-Acton Transfer Station, Permit to Modify a Large Handling Facility, BWP SW 07, Transmittal # 201131.

Dear Mr. Halley:

Enclosed is a signed copy of the Final Permit for the application referenced above. The comment period for the Provisional Permit issued on April 8, 1999, has ended and no comments have been received by the department.

If you have any questions or comments regarding the Final Permit, please write to the letterhead address or call Mr. Mike Penny of Municipal Assistance and Program Support at (508) 792-7653 ext. 3835.

Very truly yours,

Paul R. Anderson

Paul R. Anderson
Program Chief, Municipal
Assistance and Program Support

cc: James Doucett, DSWM, DEP-Boston
Purna Rao, DSWM, DEP-CERO
Dana Samuelson, DEP-CERO, Permit Administrator

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COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF ENVIRONMENTAL AFFAIRS
DEPARTMENT OF ENVIRONMENTAL PROTECTION
Central Regional Office, 627 Main Street, Worcester, MA 01608

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Secretary

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Acting Commissioner

ACTON TRANSFER STATION FACILITY
MODIFICATION OF LARGE HANDLING FACILITY (BWP SW 07)

Provisional Permit: April 8, 1999
Final permit: May 11, 1999

Name of Permittee:	Acton Board of Health 472 Main Street Acton, MA 01720
Name of Facility:	Acton Transfer Station
Facility Address:	14 Forest Road Acton, MA 01720
DEP Region:	Department of Environmental Protection (Department or DEP) Central Regional Office (CERO), Worcester Municipal Assistance & Program Support
Transmittal No:	201131

I. FACILITY DESCRIPTION AND OUTSTANDING APPROVAL STATUS

A. FACILITY

1. Owner: Town of Acton
   472 Main Street
   Acton, MA 01720

2. Operator: Acton Highway Department

3. Description of Waste:

   (a) Type(s) Accepted: Municipal/Commercial solid waste and recyclable materials.

   (b) Methods of Management: Consolidation for transfer and recycling.

(c) Approved Amount of Waste Acceptance: The tonnage of non-recyclable municipal/commercial solid waste accepted shall not exceed 27,000 tons per year or approximately 105 tons per day, based on an average 5 day per week operation (daily maximum tonnage not to exceed 130 tons per day).

B. Reviews and Approvals Affecting Current or Planned Operation

1. MEPA: Not required as per December 16, 1998 letter from Executive Office of Environmental Affairs.

2. Site Assignment: Acton Board of Health, September 21, 1982.

3. Authorization to Operate: This facility was issued an approval from the DEP in 1984.

4. Title/Description(s) of Current Approval/Permit:

   Existing Facility Permit BWP SW 16
   Transmittal # 119242
   Issued by DEP-CERO: February 26, 1997

Permit Application Information for BWP SW 07
Modification of Large Handling Facility

1. Applicant Name: Town of Acton

2. Transmittal Number: 201131

3. Start Date of Application: 28-DEC-98

4. Date of Fee Receipt: 24-DEC-98

5. Consulting Registered Engineer: Not applicable

6. Title of Plans and reports and Date of Receipt at DEP-CERO:

   Acton Transfer Station
   Modification of a Large Handling Facility (BWP SW 07)
   Dated: September 3, 1998
   Received by DEP-CERO: December 24, 1998

7. Project Description:

   The Town of Acton currently owns and operates a solid waste transfer station at 14 Forest Road in Acton, MA. The facility is currently operating under Existing Facility Permit BWP SW 16, Transmittal # 119242 issued by the DEP on February 26, 1997. The current permit sets the transfer station's capacity at 18,000 tons of solid waste per year. The Town of Acton is seeking to increase the transfer stations capacity to 27,000 tons per year or approximately 105 tons per day.

II. PERMIT APPLICATION REVIEW AND APPROVAL

This application complies with the application requirements at 310 CMR 19.030, Application for a Solid Waste Management Facility Permit, and 19.039 Applicant's Request to Modify a Permit, and was reviewed in accordance with 310 CMR 19.037, Review Procedure for Existing Facility Permits, Permit Modifications.... The plans and reports described above establish that the facility complies with the applicable criteria at 310 CMR 19.038(2).

This document is a Permit issued pursuant to Massachusetts General Laws (M.G.L.), Chapter 111, Section 150A, and 310 CMR 19.000, the **"Solid Waste Management Facility Regulations"** (Facility Regulations), subject to the conditions set forth below. In the event this permit conflicts with all or parts of prior plan approvals or permits issued pursuant to Chapter 111, Section 150A or solid waste regulations in effect prior to July 1, 1990, the terms and conditions of this permit shall supersede the conflicting provisions of the prior permits and/or approvals. This permit does not convey property rights of any sort or any exclusive privilege.

III. GENERAL PERMIT CONDITIONS

1. **Amount of Waste** – The maximum permitted tonnage of solid waste processed at this facility shall not exceed 27,000 tons per year or 105 tons per day, based on an average 5 day per week operation (daily maximum tonage not to exceed 130 tons per day).

2. **Compliance with Plans** – The operation and maintenance of the facility shall be carried out in accordance with the requirements in 310 CMR 19.000. The permitee shall conduct operations in accordance with approved plans, reports, and other submissions. No material changes in the design or activities described in the approved documents shall be performed without prior written Department approval.

3. **Compliance with other Approvals** – The operation, maintenance and closure of this facility shall be performed in compliance with other applicable local, state and federal laws and regulations.

4. **Standard Conditions** – The Permittee shall operate the facility in accordance with the conditions at 310 CMR 19.007 – 19.011 and 19.043(5).

5. **Joint Liability** – This permit is issued subject to the conditions of joint liability of the permittee and owner in accordance with 310 CMR 19.043(3).

6. **Transfer** – No transfer of this permit shall be permitted except in accordance with 310 CMR 19.044.

7. **Permit Modification** – The Department reserves the right to resind, suspend or modify this permit by the imposition of additional conditions based upon a determination of actual, or the threat of, adverse impacts from the construction, operation, maintenance or closure of the facility.

IV. SPECIFIC PERMIT CONDITIONS

1. **Special Wastes** - The Acton Transfer/Recycling Facility shall not accept any special wastes except as provided by a Permit/Approval to Manage a Special Waste issued pursuant to 310 CMR 19.061. All Special Wastes handled by the Facility shall be handled in accordance with the requirements of 310 CMR 19.061. At the present time, the Acton Transfer/Recycling Facility has not applied for a permit to handle special wastes.

2. **Inspections** - The Facility shall be inspected by or under the overall supervision of a registered professional engineer, experienced in solid waste management, on a quarterly (every three months) frequency. These inspections shall be carried out to demonstrate that the Acton Transfer/Recycling Facility's operations are in compliance with 310 CMR 19.000, the Facility Regulations. Copies of the inspection reports shall be submitted to the DEP-CERO and Local Board of Health.

3. **Annual Report** – The Permittee shall submit to the DEP-CERO, not later than February 15th of each calendar year, an annual report summarizing the Facility's operations for the previous calendar year. The annual report shall include, but not be limited to:

   (a) A summary of the year's receipt of wastes, including the date and the daily tonnage for each operational day, total and average tons per week (based on operational days), total and average tons per month (based on operational days), and the total tons per year and the number of operational days in that year.

   (b) A summary of any operational problems or deficiencies encountered, including recommendations for changes or modifications to address them.

4. **Notification** - The DEP shall be notified within twenty-four (24) hours of any incidents or disruptions which occur at the Facility that could affect the public health, safety, environment, or construction and operation of the facility. Nothing in this section shall limit or restrict the DEP from exercising its authority in accordance with the provisions of M.G.L., Chapter 21E, and 310 CMR 40.000, or other applicable laws and/or regulations.

V. RIGHT OF APPEAL

1. **Right to Appeal** – Pursuant to 310 CMR 19.037(5), any person aggrieved by the issuance of this permit or authorization to operate may file an appeal for judicial review of said decision in accordance with the provisions of M.G.L., Chapter 111, Section 150A, and Chapter 30A not later than thirty [30] days following notice of the decision.

2. **Notice of Appeal** – Any aggrieved person intending to appeal the decision to the superior court shall provide notice to the Department of intention to commence such action. Said notice of intention shall include the Department Permit/File Number and shall identify with particularity the issues and reason(s) why it is believed the approval decision was not proper. Such notice shall be provided to the Office of General Counsel of the Department and the Regional Director for the regional office which made the decision. The appropriate addresses to send such notices are:

   Office of General Counsel
   Department of Environmental Protection
   One Winter Street-Third floor
   Boston, MA 02108

   Regional Director
   Department of Environmental Protection
   Central Regional Office
   627 Main Street
   Worcester, MA 01608

No allegation shall be made in any judicial appeal of this decision unless the matter complained of was raised at the appropriate point in the administrative review procedures established in those regulations provided that matter may be raised upon a showing that it is material and that it was not reasonably possible with due diligence to have been raised during such procedures, or that the matter sought to be raised is of critical importance to the public health or environmental impact of the permitted activity.

Paul R. Anderson
Program Chief, Municipal
Assistance and Program Support

MTP/CAP/PBR
W:/SWM/ACTON TRANSFER STATION FACILITY

CC: James Doucett, DEP, DSWM-Boston
Acton Board of Selectmen
Acton Department of Public Works

COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF ENVIRONMENTAL AFFAIRS
DEPARTMENT OF ENVIRONMENTAL PROTECTION
Central Regional Office, 627 Main Street, Worcester, MA 01608

GEO PAUL CELLUCCI
rnor

NE SWIFT
utenant Governor

BOB DURAND
Secretary

LAUREN A. LISS
Commissioner

APR 1 0 2000

March 30, 2000

CERTIFIED MAIL

Don P. Johnson
Town Manager
472 Main Street
Acton, Massachusetts 01720

RE: CERO – SWM – Acton, Transfer Station, Route 2 West, Waste Ban Compliance Plan Approval, BWP SW 07, Transmittal # 51004484

Dear Mr. Johnson:

The Central Regional Office of the Department of Environmental Protection, Solid Waste Management Program (the "Department" or "DEP") has reviewed your application for a modification of the Permit for the above mentioned facility. The application was prepared by David Brown. By this application, the Applicant/Permittee has submitted a Waste Ban Compliance Plan for the facility

The Department has reviewed your proposed Waste Ban Compliance Plan and hereby approves it subject to the following conditions:

1. All terms and conditions of the existing permits shall remain in full force and effect except as may be modified by this approval.
2. All activities at the facility conducted to comply with the waste ban requirements at 310 CMR 19.017 shall be in strict accordance with the waste ban compliance plan as submitted in your application and this approval.
3. Prior written approval from the Department is required before any changes or modifications can be made to the facility's waste ban compliance plan requirements.
4. This approval is subject to any restrictions contained in the facility's site assignment or any restrictions contained in applicable state and federal laws and regulations.
5. An annual summary of waste ban compliance activities at the facilities shall be reported in the appropriate section of the facility's "Annual Solid Waste Facility Report" submitted to the Department by February 15th of each calendar year.
6. The Department reserves the right to modify the facility's waste ban compliance plan based upon a determination that restricted materials are being disposed of, incinerated or transferred for disposal in excess of approved amounts.

7. Failure to comply with the waste ban requirements at 310 CMR 19.017 may result in enforcement action, potentially including a notice of non-compliance or enforcement order and/or penalty.
8. In the event the Applicant/Permittee, or its agents or contractors, observe, otherwise learn of, or otherwise suspect, that one or more haulers are restricting their arrival at the facility for the purpose of avoiding inspection, the Operator shall cause additional inspections to be conducted, targeted to these haulers.
9. The Operator, in spreading the load pursuant to Part D, Section 3, Inspection Procedure, of the Waste Ban Compliance Plan, shall cause a representative number of bags and/or other containers within the load to be opened and their contents revealed.
10. The Department reserves the right to require additional inspections, conducted under the presence and observation of a representative of the Department, without advance notice, at the Department's discretion.

RIGHT OF APPEAL

The Applicant/Permittee is hereby notified that it may within twenty-one (21) days file a request that this decision be deemed a provisional decision under 310 CMR 19.037(4)(b), by submitting a written statement of the basis on which the Applicant/Permittee believes it is aggrieved, together with any supporting materials. Upon timely filing of such a request, the decision shall be deemed a provisional decision with an effective date twenty-one (21) days after the Department's receipt of the request. Such a request shall reopen the administrative record, and the Department may rescind, supplement, modify, or reaffirm its decision. Failure by Applicant/Permittee to exercise the right provided in this section shall constitute a waiver of Applicant/Permittee's right to appeal.

Right to Appeal – This approval has been issued pursuant to Massachusetts General Laws (MGL) Chapter 111, Section 150A, and 310 CMR 19.037: Procedure for Existing Facility Permits, Permit Modifications, Permit Renewals and other Approvals, of the "Solid Waste Management Facility Regulations". Pursuant to 310 CMR 19.037(5), any person aggrieved by the issuance of this determination may file an appeal for judicial review of said decision in accordance with the provisions of M.G.L. Chapter 111 Section 150A and MGL Chapter 30A not later than thirty days following receipt.

Notice of Appeal – Any aggrieved person intending to appeal the decision to the superior court shall provide notice to the Department of intention to commence such action. Said notice of intention shall include the Department File Number/Transmittal Number of this application listed above, and shall identify with particularity the issues and reason(s) why it believed the approval decision was not proper. Such notice shall be provided to the Office of General Counsel of the Department and the Regional Director for the regional office that made the decision. The appropriate addresses to send such notices are:

Office of General Counsel
Department of Environmental Protection
One Winter Street
Boston, Massachusetts 02108

Regional Director
Department of Environmental Protection
Central Regional Office
627 Main Street
Worcester, MA 01608

No allegation shall be made in any judicial appeal of this decision unless the matter complained of was raised at the appropriate point in the administrative review procedures established in those regulations, provided that matter may be raised upon showing that it is material and that it was not reasonably possible with due diligence to have been raised during such procedures, or that matter sought to be raised is of critical importance to the public health or environmental impact of the permitted activity.

Thank you, and if you have any questions or comments regarding this matter, please feel free to contact Mr. John McMichael of the Solid Waste Management Program at (508) 792-7653 X 3833.

Very truly yours,

Purnachander B. Rao
Section Chief
Solid Waste Management Program

cc: Acton Board of Health
Joanne Bissetta, BWP, DEP – Boston

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TOWN OF ACTON

INTERDEPARTMENTAL COMMUNICATION

September 22, 1982

TO: Board of Selectmen

FROM: Board of Health

SUBJECT: Site Assignment of land for Solid Waste Transfer Station, Acton, MA.

The Acton Board of Health, at its regularly scheduled meeting of September 21, 1982, voted to assign the land shown as Parcels 140 and 76 on Plate G4 of the tax maps of the Town of Acton as a site for the construction and operation of a municipal solid waste transfer station.

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The assignment is subject to the following conditions:

1. An engineering evaluation be undertaken of the Site Plan layout on the assigned site. The Board of Health is to participate in preparation of the Scope of Services for the consultant which scope is expected to include evaluation of environmental impacts including noise, odor, traffic, vector control, air quality and similar concerns.

2. The design of the facility will be based in part upon the findings of the study above including specifically:

   a. the site design and landscaping is to achieve a reduced noise level emanating from the assigned site consistent with acceptable noise levels for residential areas. The noise level standards are to be approved by the Board of Health on advice of a consulting engineer.

   b. the site layout is to minimize traffic noise where possible through optimum layouts and designs for access to Route 2.

3. An operating procedure will be recommended by the consultant which sets refuse handling procedures and holding time limits to ensure minimum odor from the facility.

The continuance of this assignment is contingent upon the Board of Health's approval of the final site layout, the facility design and the facility operating procedure.

Steven Calichman

By Steven Calichman for:
The Acton Board of Health

ABOH/mw
1892A

cc: Town Manager
Acton Engineering Dept.

Roy F. Weston, Inc.
Federal Programs Division
217 Middlesex Turnpike
Burlington, Massachusetts 01803-3308
617-229-6430 • Fax 617-272-3619

MANAGERS DESIGNERS/CONSULTANTS

SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM
EPA CONTRACT 68-W5-0009

16 April 1996
11098-001-001-1050-70
DC No. A-429

John Murray
Assistant Town Manager
Acton Town Hall
472 Main Street
Acton, Massachusetts 01720

ACTON ENGINEERING DEPT. RECEIVED
MAR 5 1998

Subject: Final Site Inspection Prioritization
Acton Landfill
Acton, Massachusetts
CERCLIS No. MAD980906697
TDD No. 95-06-0001A

Dear Mr. Murray:

The Roy F. Weston, Inc. (WESTON®), Superfund Technical Assessment and Response Team (START) has completed the Site Inspection Prioritization (SIP) Report of the Acton Landfill under our work assignment with the U.S. Environmental Protection Agency New England (EPA-New England), Office of Site Remediation and Restoration. Enclosed is a copy of the Final SIP Report for your files. A copy of this report was also sent to the EPA-New England and the Massachusetts Department of Environmental Protection (MA DEP).

Please contact the undersigned at (617) 229-6430 or Nancy Smith (EPA-New England Site Assessment Manager) at (617) 573-9697 if you have any questions regarding this report.

Very truly yours,

ROY F. WESTON, INC.
Region I START

Elizabeth A. DeProfio
Site Leader

Jocelyn Boesch
Project Leader

ED:ead
Enclosure
cc: N. Smith (EPA-New England Site Assessment Manager)
H. Panchal (MA DEP-Boston)
D. Heeley (MA DEP-Central Region)

S:\95060001\ACTON.OWN

SUMMARY

The Acton Landfill is located at 14 Forest Road in Acton, Worcester County, Massachusetts. The property consists of approximately 14 acres and has been owned and operated as a Landfill by the Town of Acton since 1927. From 1927 until 1969, the Acton Landfill was a burning dump. From 1969 until its closure in 1985, the Landfill was used as a municipal landfill for sanitary municipal solid waste and, according to records kept at the Acton Town Hall, an undetermined quality of industrial waste.

The property was closed and capped in 1985 and groundwater monitoring wells were installed around the perimeter of the Landfilled area. These wells were sampled semi-annually until 1990 and then annually from 1991 until the present. Analytical results from data collected on 26 April 1995 indicate the presence of benzene, lead and mercury above Federal drinking water standards. No compounds have been detected in groundwater that is used as drinking water sources.

The nearest public water supply is located 0.95 miles southeast of the Acton Landfill property. The nearest private well is located within 0.25 miles of the Acton Landfill however, the exact location of this well could not be determined. An estimated 34,005 people are served by groundwater drinking water sources within a 4-mile radius of the Landfill property.

Currently, there is an active refuse transfer station, recycling center and a Department of Public Works (DPW) garage on the Acton Landfill property.

Surface water samples were taken along the surface water pathway between the years 1985 and 1989. The analytical data did not indicate the presence of compounds above their detection limits. Based on these results, the Town of Acton stopped sampling all of the surface water locations and only collected sample S-8 which is located downstream of the Landfill property. There are no drinking water intakes along the 15-mile surface water downstream pathway.

The former disposal area was covered with grass and was well maintained. No stressed vegetation or leachate outbreaks were noted during the on-site reconnaissance.

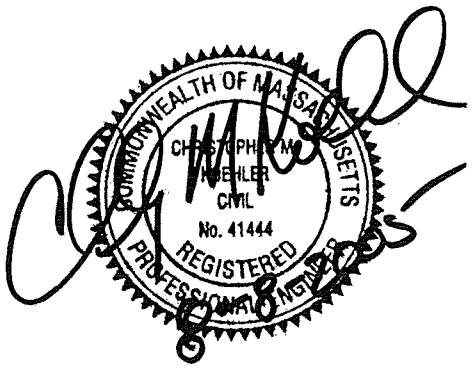
Old bikes and toys were noted during the on-site reconnaissance in the woods along the southern portion of the property adjacent to Route 2.

An estimated 44,857 people live within 4-radial miles of the Acton Landfill property.

Town of Acton, Massachusetts

Post-Closure Use Design

August 8, 2005



Post-Closure Use – Application Minor BWP SW 37

Enter your transmittal number → W 067113 (Transmittal Number)

Your unique Transmittal Number can be accessed online: http://www.mass.gov/dep/counter/trasmfrm.shtml or call DEP's InfoLine at 617-338-2255 or 800-462-0444 (from 508, 781, and 978 area codes).

Massachusetts Department of Environmental Protection

Transmittal Form for Permit Application and Payment

1. Please type or print. A separate Transmittal Form must be completed for each permit application.

2. Make your check payable to the Commonwealth of Massachusetts and mail it with a copy of this form to: DEP, P.O. Box 4062, Boston, MA 02211.

3. Three copies of this form will be needed.

Copy 1 - the original must accompany your permit application. **Copy 2** must accompany your fee payment. **Copy 3** should be retained for your records

4. Both fee-paying and exempt applicants must mail a copy of this transmittal form to:

DEP
P.O. Box 4062
Boston, MA
02211

*** Note:** For BWSC Permits, enter the LSP.

A. Permit Information

BWP SW 37
1. Permit Code: 7 or 8 character code from permit instructions

Minor
2. Name of Permit Category

Landfill Post-Closure Use Plan
3. Type of Project or Activity

B. Applicant Information – Firm or Individual

Town of Acton
1. Name of Firm - Or, if party needing this approval is an individual enter name below:

2. **Last Name** of Individual
3. **First Name** of Individual
4. MI

472 Main Street
5. Street Address

6. City/Town	7. State	8. Zip Code	9. Telephone #	10. Ext. #
Acton	MA	01720	978-264-9628	

Mr. Bruce Stamski, P.E.
11. Contact Person

12. e-mail address (optional)

C. Facility, Site or Individual Requiring Approval

Acton Landfill
1. Name of Facility, Site Or Individual

14 Forest Road
2. Street Address

3. City/Town	4. State	5. Zip Code	6. Telephone #	7. Ext. #
Acton	MA	01720		

8. DEP Facility Number (if Known)
9. Federal I.D. Number (if Known)
10. BWSC Tracking # (if Known)

D. Application Prepared by (if different from Section B)*

Camp Dresser & McKee Inc.
1. Name of Firm Or Individual

One Cambridge Place, 50 Hampshire Street
2. Address

3. City/Town	4. State	5. Zip Code	6. Telephone #	7. Ext. #
Cambridge	MA	02139	617-452-6000	

Mr. Christopher Koehler, P.E.
8. Contact Person

9. LSP Number (BWSC Permits only)

E. Permit - Project Coordination

1. Is this project subject to MEPA review? ☐ yes ☒ no
   If yes, enter the project's EOEA file number - assigned when an Environmental Notification Form is submitted to the MEPA unit:

EOEA File Number

F. Amount Due

DEP Use Only

Permit No:

Rec'd Date:

Reviewer:

Special Provisions:

1. ☒ Fee Exempt (city, town or municipal housing authority)(state agency if fee is $100 or less).
   There are no fee exemptions for BWSC permits, regardless of applicant status.
2. ☐ Hardship Request - payment extensions according to 310 CMR 4.04(3)(c).
3. ☐ Alternative Schedule Project (according to 310 CMR 4.05 and 4.10).
4. ☐ Homeowner (according to 310 CMR 4.02).

Check Number	Dollar Amount	Date
		8-8-05

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention – Solid Waste Management

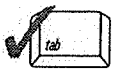
BWP SW 36 Post-Closure Use – Major
BWP SW 37 Post-Closure Use – Minor
Application for Post-Closure Use Permit

W 067113
Transmittal Number

Facility ID# (if known)

A. Project Information (all applicants must complete this section)

Important: When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



Directions: Specify the plan/report and page numbers in which the following information is located.

1. Which permit category are you applying for? ☐ BWP SW 36 ☒ BWP SW 37
2. Is MEPA review required for this project? ☐ Yes ☒ No

	Plan/Report #	Page #	DEP Use Only
3. Post-closure use (310 CMR 19.016 & 19.143):			
a. general description		1-1	
(1) current post-closure use		1-1	
(2) proposed post-closure use		1-1	
(3) effect of changes		1-3	
b. effect on public health safety or the environment		1-3	
4. Department-approved closure plan		Appendix B	

B. Project Information

Note: Complete only sections applicable to requested post-closure use. Enter NA if not applicable.

	Plan/Report #	Page #	DEP Use Only
1. Post-closure use plan/report:			
a. site plan	Sheet L-1	N/A	
b. design plan			
(1) original design		N/A	
(2) proposed design	Sheet L-2	2-1, 2-2, 2-3	
(3) changes from original design		2-2	
(4) closure/final cover integrity/function		2-1, 2-2, 3-1	
c. drainage plan		2-2, 2-3	
d. landfill gas control/monitoring plan		1-3	

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention – Solid Waste Management

BWP SW 36 Post-Closure Use – Major
BWP SW 37 Post-Closure Use – Minor
Application for Post-Closure Use Permit

Transmittal Number

Facility ID# (if known)

B. Project Information (cont.)

	Plan/Report #	Page #	DEP Use Only
2. Additional plan/reports for constructing permanent structures on filled areas:			
a. settlement analysis			
(1) waste characteristic - refuse, depth, age composition, etc.	NA	NA	
(2) settlement monitoring - preloading, test fills surveys, etc.	NA	NA	
b. design considerations			
(1) differential settlement	NA	NA	
(2) gas control/monitoring in structures	NA	NA	
(3) final cover penetrations/integrity	NA	NA	
(4) utility connections	NA	NA	

C. Permit Review Documentation and Criteria

Note: Complete all sections applicable to requested post closure use. Refer to referenced regulation citation for applicability. Enter NA if not applicable.

	Plan/Report #	Page #	DEP Use Only
1. Documentation:			
a. wetlands order of conditions		4-1	
b. financial assurance estimate and mechanism (310 CMR 19.051)		4-1	
2. Permit criteria:			
a. (310 CMR 19.038(1)(d)) (all facilities)			
(1) MEPA compliance		4-1	
(2) sight assignment limits		4-1	
(3) compliance with facility specific regulations		4-1	
(4) health & environmental impact assessment		4-1	

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention – Solid Waste Management

BWP SW 36 Post-Closure Use – Major
BWP SW 37 Post-Closure Use – Minor
Application for Post-Closure Use Permit

Transmittal Number

Facility ID# (if known)

C. Permit Review Documentation and Criteria (cont.)

	Plan/Report #	Page #	DEP Use Only
(5) compliance with other applicable laws and regulations	NA	NA	
(6) enforcement status		4-1	
(7) structural support		4-1	
b. 310 CMR 19.143(3) (landfills only)			
(1) final contour changes		2-1, 2-2	
a. no adverse impacts		2-1, 2-2	
b. reduce threats		NA	
(2) integrity of final cover		2-1, 2-2, 3-1	
(3) drainage/erosion controls		2-2, 2-3	

D. Certification: 310 CMR 19.011

Any person, required by these regulations or any order issued by the Department, to submit papers shall identify themselves by name, profession, and relationship to the applicant and legal interest in the facility, and make the following certification:

"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate and complete. I am aware that there are significant penalties both civil and criminal for submitting false information including possible fines and imprisonment."

DON P. JOHNSON
Print Name

Don P. Johnson
Authorized Signature

TOWN MANAGER
Position/Title

8/9/05
Date

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Appendices

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Appendix B	DEP Approved Closure Recognition
Appendix C	DEP Transfer Station Correspondence
Appendix D	Site Assignment
Appendix E	Groundwater Surface Water Monitoring Data (2000-2004)
Appendix F	Groundwater/Surface Water Sampling Locations, Estimated Habitats or Rare Wildlife and Certified Vernal Pools, Priority Habitats of Rare Species
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Section 1
Introduction

1.1 Introduction

This Post-Closure Use Application and the accompanying plans, dated August 2005, detail the proposed Post-Closure Use Plan for the Acton Landfill located off of State Highway Route 2 in the Town of Acton, Massachusetts (Town). The report and design plans were prepared on behalf of the Town by Camp Dresser & McKee Inc. (CDM) in accordance with the Massachusetts Solid Waste Management Regulations (310 CMR 19.000) and the Massachusetts Department of Environmental Protection (DEP) "Landfill Technical Guidance Manual" (Revised May 1997). Design-related issues for the recreational use of the site are contained herein.

1.2 Site Description and History

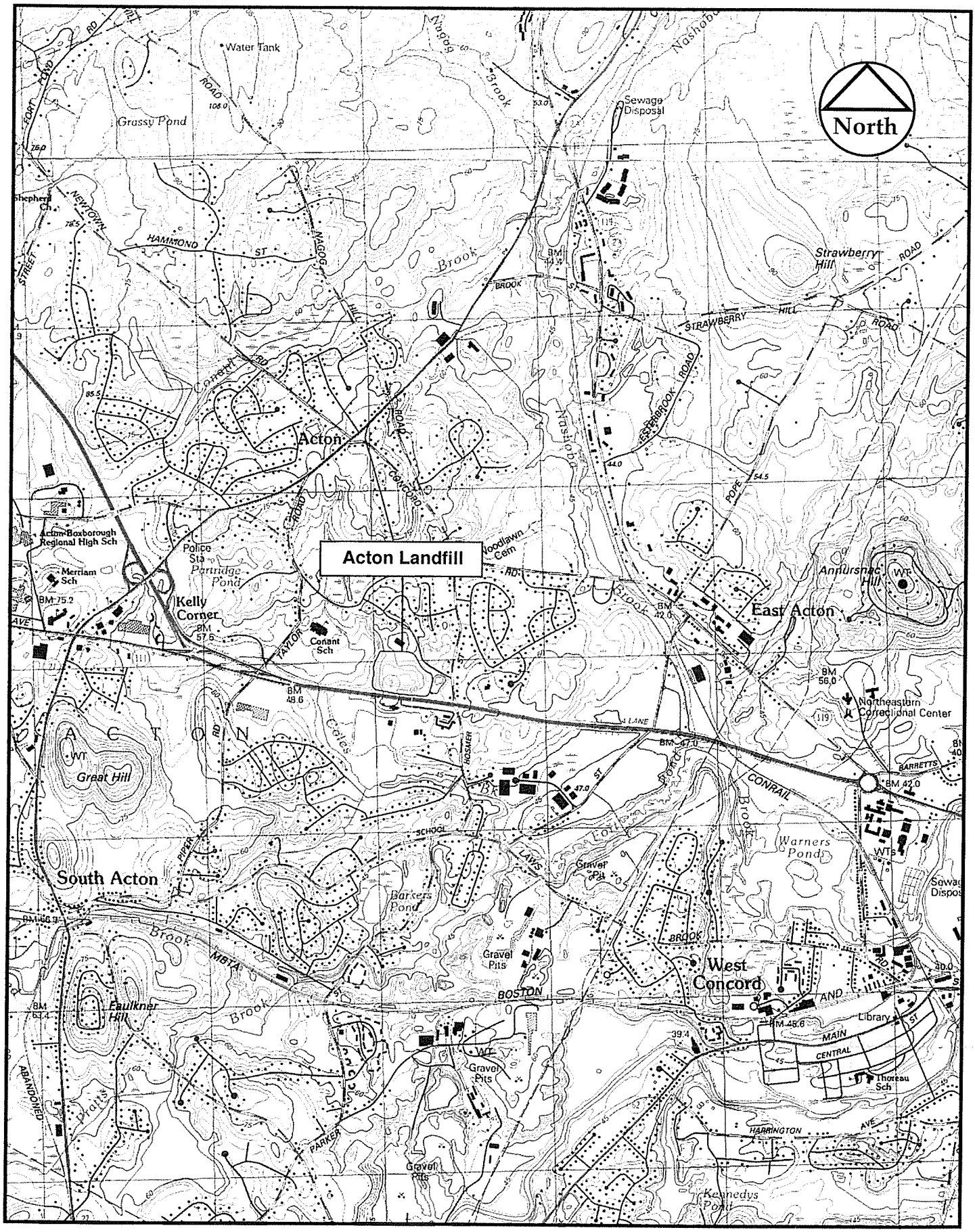
The former Acton Landfill is approximately 18.0 acres and is located on Town-owned land bordered to the north and east by Forest Road and to the south by State Highway Route 2 (see Figure 1). Abutting the site to the west is an undeveloped, Town-owned property containing a wetland resource area. A compacted gravel access roadway extends around the landfill perimeter, and the Town Department of Public Works (DPW) Operations Area and Transfer Station is located directly north of the landfill.

The Acton Landfill began landfill operations in 1927 when the Town purchased the land. Operations as a burn dump facility continued until 1970. In 1986 the Town began transferring trash via an on-site transfer station to the New England Solid Waste Consortium (NESWC). Town records indicate that in 1984 landfill closure preparations were conducted, and final landfill closure plans were submitted to the Department of Environmental Protection (DEP) in July of 1985. According to the DEP report titled "Inactive or Closed Solid Waste Landfills in Massachusetts – May 2005", the Acton Landfill was capped in accordance with DEP regulations in 1988 (see Appendix B).

Current monitoring activities at the site consist of annual groundwater and surface water sampling and analysis. The Town has submitted reports of the annual sampling events to DEP. Since 1985, the former Acton Landfill has been used as a recycling facilities location, a yard waste drop-off area, and a storage and stockpile location (Sheet L-1 shows the existing site conditions).

1.3 Proposed Site Usage

The Town is proposing to use the capped landfill area for recreational purposes with the installation of a baseball/softball diamond, soccer field, and/or a golf ball driving range. In addition, the Town proposes continued use of the remaining landfill area as a DPW stockpiling and storage area as well as a transfer station facility. Sheet L-2, in Appendix A, shows the proposed recreational field locations and Sheet L-3 shows improvements to the recycling area for handicap accessibility. Due to the proposed recreational post-closure use of the landfill site and relatively small effort required to achieve post-closure grades, this permit is being submitted under BWP SW 37 Post-Closure Use: Minor.



0 2000 4000

Scale in Feet

Town of Acton, Massachusetts
Post-Closure Use Plan

Figure 1
Project Location Map

1.4 Effect on Public/Environmental Health and Safety

Post-closure monitoring of groundwater and surface water at the Acton Landfill has been conducted by the Town since 1985. Analytical reports are submitted to DEP following each sampling event. Results for the past six (6) sampling events are attached in Appendix E. Existing groundwater monitoring well and surface water monitoring locations are shown in Appendix F. The Town is planning to continue its current groundwater and surface water sampling program as the post-closure monitoring program.

There is no landfill gas monitoring program in place at the Acton Landfill and no soil gas data has been collected to date. Because the landfill has been closed for 20 years, landfill gas production is in its later stages and emissions from the landfill are not expected to be an environmental or safety issue. At this time, implementation of a specific soil gas monitoring program during the post-closure use period is not planned.

The landfill is not located within a Zone II well recharge area nor is it located within a surface water protection zone. According to the Priority Habitats of Rare Species map and the Estimated Habitats of Rare Wildlife and Certified Vernal Pools map (see Appendix F), the closest rare species habitat (PH 467) is approximately half a mile away and will not be impacted by proposed post-closure site activities.

Section 2
Design Considerations

2.1 Site Conditions

2.1.1 Existing Conditions

The former Acton Landfill site is accessible to Town residents from State Highway Route 2 West. Only authorized DPW vehicles can access the landfill area from the DPW area. Presently, operations at the former landfill include: recycling, yard waste collection, and the stockpiling and storing of materials and recyclables. An existing guard shack serves as a check point location for residents wishing to use the recycling area and transfer station.

The existing recycling facility, operated by the Town of Acton Highway Department, is composed of a compactor facility with several roll off containers and areas for storing recyclable materials (see Sheet L-1). Recyclable items are compacted and directly hauled off-site for further processing or to a suitable end-user. In addition to recycling, residents are permitted to deposit their yard waste and debris in a designated area on the former landfill for temporary storage prior to being hauled to an off-site town-operated composting area. Photographs of the existing recycling area are included in Appendix G.

There are currently two soil/clay stockpiles located at the top of the former landfill (see Sheet L-1). This material will be used as shaping material to bring existing closure grades to the necessary post-closure grades. The area between the recycling area and the yard waste collection area is presently used by the Town to store materials and equipment.

2.1.2 Proposed Conditions

The Post-Closure Use Plan incorporates the continued use of the former landfill site as a recycling center, transfer station, yard wastes storage location, a stockpile area, and a storage area. In addition, the Town proposes to construct a golf ball driving range, a baseball/softball field, or a soccer field. Proposed locations of the multi-purpose recreational fields are shown on Sheet L-2.

2.1.2.1 Multi-Purpose Recreational Fields

Under the Post-Closure Use Plan, the top of the existing landfill will be graded as shown on Sheet L-2. Abutting the multi-purpose sports field is a proposed parking area for approximately 30 vehicles. To access the site, residential vehicles will enter exclusively from Route 2 westbound (see Sheet L-2).

Under the Post-Closure Use Plan, some grading of the existing landfill will be necessary. All required site grading is minor and will not affect the integrity or function of any closed portion of the landfill. Only filling of the existing landfill area is proposed. There are no proposed cuts or penetrations of any kind into the existing

cap. The on-site soil/clay stockpiles will be used as fill to raise the existing site to the proposed grades shown on Sheet L-2. The side slopes will be evaluated and roto-tilled, re-graded, and re-seeded where necessary. Fine grading will allow for the operation of a mechanical golf ball collection machine.

2.1.2.2 Recycling Facilities

Under this Post-Closure Use Plan, the Town is proposing to upgrade the existing recycling facility to allow for handicap access and to improve the efficiency of the recycling operation. The current operation requires residents to climb several steps to reach the recycling roll-off containers. Photos of the existing recycling area are included in Appendix G. Thirty-five (35) additional parking spots will be provided to better serve the public and provide handicap access. The proposed recycling facility consists of additional roll-off containers for various items including charitable donations, paper and cardboard recycling, scrap metal, co-mingled items and white goods.

2.1.2.3 Yard Waste Collection Area

Under proposed conditions, the existing yard waste collection area will remain as shown on Sheet L-2.

2.1.2.4 Storage and Stockpile Areas

The proposed storage and stockpile areas will be located in the same general areas as the existing operations.

2.1.2.5 Existing vs. Proposed Site Conditions

Relatively minor changes are required to implement the proposed plan. Improvements include regrading the soil/clay stockpile and fine grading certain areas of the side slopes. Some modifications to the site may include the construction of the parking area for the multi-purpose fields and the paving and upgrades of the recycling area to provide handicap access. Pavement details for the recycling area and parking lot construction are shown on Sheet L-4.

2.2 Stormwater Management and Erosion Control

2.2.1 Site Drainage

The proposed modifications will have a negligible effect on site drainage patterns. Currently, approximately 25 percent of stormwater sheet flows to swales located on the access road and flow to catch basins that lead to the stormwater detention basin on the northern side of the landfill. The remaining stormwater sheet flows directly off the landfill sideslopes into the adjacent cross-country areas or wetlands. The proposed plan will not cause significant changes in stormwater flow volumes or concentration times.

2.2.2 Erosion Control Plan

Under proposed conditions, all existing erosion controls will remain in place and some additional controls will be implemented. The existing erosion controls to remain are a piped drainage system with corresponding catch basins, a detention basin area, and headwall. Proposed erosion controls and protective measures during construction consist of the following Best Management Practices such as:

1. Install erosion control matting on all disturbed sideslopes greater than or equal to 4:1
2. Install temporary check dams along disturbed areas, as needed
3. Maintain the grass height at a 3-in level
4. Daily inspections of the erosion controls
5. Place hay bales and silt fences along areas exhibited to have frequent soil erosion
6. Obtain NPDES Permit

Where select fine grading and re-seeding of the side slopes is necessary, the following seed mix will be applied:

Tribute Tall Fescue	40%
Perennial Ryegrass	15%
Jamestown Chewings Fescue	10%
Reliant Hard Fescue	10%
Birds Foot Trefoil	10%
Switchgrass	5%
White Clover	5%
Redtop	5%

An athletic field seed mix will be applied to the multi-purpose fields.

All areas being graded and left bare for more than 7 days must have protective measures performed on the area. Protective measures could consist of tracking, hydroseeding, installation of erosion control matting, or straw mulching. Existing and proposed drainage facilities and erosion controls will continue to be rigorously maintained.

Section 3
Permanent Structures Considerations

3.1 Permanent Structures

The Acton Post-Closure Use Plan does not propose to construct any permanent (non-movable) or invasive (causing a degradation to the integrity or function of any closed portion of the landfill) structures. Proposed activities at the landfill do not require any penetration of the landfill surface for utility connections.

Section 4
Permit Review Documentation and Criteria

4.1 Documentation

4.1.1 Order of Conditions

If required and prior to implementing the Post-Closure Use Plan, an Order of Conditions will be obtained from the Town of Acton Conservation Commission. As shown all proposed work is located outside the 100-foot buffer to Bordering Vegetative Wetland (BVW) areas.

4.1.2 Financial Assurance Estimate and Mechanism (FAM)

According to the Massachusetts Solid Waste Management Regulations (310 CMR 19.051 (4)(5)) a public owner of an existing landfill shall make the submissions described in 310 CMR 19.051(4)(a) upon written notice or order from the Department. Because the Town must appropriate funds each year for the operation and maintenance of the former landfill, the Town requests a waiver to the requirement of establishing a FAM.

4.2 Permit Criteria

4.2.1 MEPA Compliance

The Post-Closure Use Plan does not meet or exceed Massachusetts Environmental Policy Act (MEPA) review thresholds as defined in 301 CMR 11.03. Filing an Environmental Notification Form (ENF) will not be necessary. In addition, an Environmental Impact Report (EIR) was not required by MEPA for previous transfer station upgrades at the site. DEP correspondence confirming the approval of the aforementioned transfer station upgrades is provided in Appendix C.

4.2.2 Site Assignment

The site has a valid site assignment that was granted on September 21, 1982 by the Acton Board of Health. See Appendix D for a copy of this site assignment.

4.2.3 Health and Environmental Impact Assessment

Based on the age of the landfill, 20-years of post-closure monitoring results, and that the landfill is not located within a Zone II well recharge area or within a surface water protection zone, it is unlikely that the post-closure use of the former Acton Landfill will have any additional impacts to human health, safety, and/or the environment.

4.2.4 Enforcement Status

To date, no violations of applicable statutes and regulations, judicial orders or administrative order or conditions of any prior plan approval/permit issued by the Department are known to exist.

4.2.5 Structural Support

The Post-Closure Use Plan does not propose to construct any structures that will require a support foundation. No impacts or penetrations of the existing cap are proposed.

Acton Landfill Post-Closure Use Design Plans

DEP Approved Closure Recognition

COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF ENVIRONMENTAL AFFAIRS
DEPARTMENT OF ENVIRONMENTAL PROTECTION
ONE WINTER STREET, BOSTON, MA 02108 617-292-5500

MITT ROMNEY
Governor

KERRY HEALEY
Lieutenant Governor

ELLEN ROY HERZFELDER
Secretary

ROBERT W. GOLLEDGE, Jr.
Commissioner

Inactive or Closed Solid Waste Landfills in Massachusetts

May 2005

Including Municipal Solid Waste (MSW) Landfills
Demolition Landfills
Ash Landfills
Stump Landfills
Sludge Landfills

DEP Bureau of Waste Prevention updates this information annually. For copies of this list visit DEP's website, www.mass.gov/dep, then look under Publications, Program Publications, Waste Prevention, Solid Waste/Landfills, Solid Waste Facilities.

This information is available in alternate format. Call Donald M. Gomes, ADA Coordinator at 617-556-1057. TDD Service - 1-800-298-2207.

DEP on the World Wide Web: http://www.mass.gov/dep

Printed on Recycled Paper

Column Heading Definitions

Acres DEP/BOH	Number of DEP approved acres for solid waste fill for the most recent cell or the entire landfill (Acres DEP), and the acreage site assigned by the municipality's Board of Health (Acres BOH). Particularly for Inactive or Closed landfills, the acres may refer to the landfill footprint.
Cap Info	Status of landfill cap; Capped, Partially Capped, Not Capped, Unknown Cap or Excavated. When available, 'Capped' or 'Excavated' is followed by the year capping or excavation was completed. Also when available, the list shows the date that DEP Certified the completion of the cap or excavation.
Close Year	Year the landfill ceased disposing of solid waste.
DEP Region	DEP's Regional Offices: Central (Worcester), Northeast (Wilmington), Southeast (Lakeville), Western (Springfield).
ID	Unique identification number for each solid waste facility.
Landfill Type	Type of solid waste landfill; MSW (Municipal Solid Waste), Ash, Demolition, Stump, or Sludge.
Liner Info	Landfills listed as "Unlined" have no barrier between the solid waste fill and the underlying soil. A "Lined" landfill indicates that all or some portion of the landfill is lined, while 'Unlined' means that no part of the landfill is lined.
Municipality	City or Town that the landfill is located in.
Open Year	Year the facility began operations.
Operator Info	Site operator name, address, contact person, and phone number.
Operator Type	Type of operator, Federal, State, Municipal or Private.
Owner Info	Site owner name, address, contact person, and phone number.
Owner Type	Type of owner, Federal, State, Municipal or Private.
Site Info	Site Name, address, contact person, and phone number.
Status	Identifies if the Landfill is Active, Inactive, Closed, or Proposed. All the landfills on this list are either Inactive or Closed. Inactive - Not operating, not completely capped; Or Closed – All waste has been removed under a DEP approved plan or the waste has been capped according to DEP regulations at the time operations ceased.
Tons-Per-Day	Tons-Per-Day (TPD) of solid waste for disposal based on the landfill's last operating permit or last reported operating rate when available.

Comments or Questions

Please direct questions or comments regarding this list to Brian Holdridge, (617) 292-5578, DEP Bureau of Waste Prevention, Division of Planning and Evaluation.

Inactive or Closed Solid Waste Landfills

May 2005

Massachusetts Department of Environmental Protection, Division of Planning and Evaluation

Municipality / ID / DEP Region / Status / Open / Close Years	*SITE NAME* / Address / Contact / Phone / Tons-Per-Day	Landfill Type / Liner Info / Acres: DEP / BOH / Cap Info	Owner Type / Owner Name / Address / Contact / Phone	Operator Type / Operator Name / Address / Contact / Phone
	SITE INFO		OWNER INFO	OPERATOR INFO
ABINGTON SL0001.003 Southeast Closed 1940 1975	***ABINGTON LANDFILL*** GROVELAND ST ABINGTON, MA 02351 Unknown TPD	MSW Landfill Not Lined 13 / 13 Acres Capped 1984	Municipal TOWN OF ABINGTON 33 RANDOLPH STREET ABINGTON, MA 02351 WILLIAM O'REILLY, HEALTH AGENT (781)982-2119	Municipal TOWN OF ABINGTON BOARD OF HEALTH ABINGTON, MA 02351 WILLIAM O'REILLY, HEALTH AGENT (781)982-2119
ACTON SL0002.003 Central Closed unknown 1988	***ACTON LANDFILL*** 14 FOREST RD/RTE 2 ACTON, MA 01720 40 TPD	MSW Landfill Not Lined 18 / 18 Acres Capped	Municipal TOWN OF ACTON 472 MAIN ST ACTON. MA 01720 (978)264-9615	Municipal TOWN OF ACTON 472 MAIN ST ACTON. MA 01720 (978)264-9615
ACUSHNET SL0003.005 Southeast Inactive unknown unknown	***ACUSHNET DUMP*** BEECH ST ACUSHNET, MA 02743 Unknown TPD	MSW Landfill Not Lined Acreage Unknown Not Capped	Municipal TOWN OF ACUSHNET 122 MAIN ST ACUSHENT, MA 02743 (508)998-0200	Municipal TOWN OF ACUSHNET 122 MAIN ST ACUSHENT, MA 02743 (508)998-0200
ACUSHNET SL0003.001 Southeast Closed 1963 1987	***B AND F LANDFILL*** 561 N MAIN ST ACUSHNET, MA 02743 290 TPD	MSW Landfill Not Lined 24 / 23 Acres Capped 1991	Private B AND F LANDFILL INC PO BOX 656 ATTLEBOROUGH, MA 02403	Private B AND F LANDFILL INC PO BOX 656 ATTLEBOROUGH, MA 02403 CHARLES GEILICH, MGR
ACUSHNET DL0003.002 Southeast Closed unknown 1975	***LEONARD STREET LOT 30B DUMP*** 209 LEONARD ST ACUSHNET, MA 02743 Unknown TPD	Demolition Landfill Not Lined Acreage Unknown Capped	Private DOMINGOS BATISTA 209 LEONARD ST ACUSHNET, MA 02743 DOMINGOS BATISTA	Private DOMINGOS BATISTA 209 LEONARD ST ACUSHNET, MA 02743 DOMINGOS BATISTA
ADAMS SL0004.001 Western Closed 1966 1994	***ADAMS LANDFILL*** EAST RD ADAMS. MA 01220 JAMES LEITCH, TWN ADMIN (413)743-8300 40 TPD	MSW Landfill Not Lined 9 / 9 Acres Capped 1995 Close Cert: 12/4/1996	Municipal TOWN OF ADAMS 65 PARK STREET ADAMS, MA 01220 JAMES LEITCH. TWN ADMIN. (413)743-8300	Municipal ADAMS DPW 65 PARK ST ADAMS, MA 01220 FRANCIS WOJTASZEK. DPW DIR. (413)743-8325

DEP Transfer Station Correspondence

COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF ENVIRONMENTAL AFFAIRS
DEPARTMENT OF ENVIRONMENTAL PROTECTION
Central Regional Office, 627 Main Street, Worcester, MA 01608

:GEO PAUL CELLUCCI
vernor

: SWIFT
:utenant Governor

BOB DURAND
Secretary

LAUREN A. LISS
Commissioner

APR 1 0 2000

March 30, 2000

CERTIFIED MAIL

Don P. Johnson
Town Manager
472 Main Street
Acton, Massachusetts 01720

RE: CERO – SWM – Acton, Transfer Station, Route 2 West, Waste Ban Compliance Plan Approval, BWP SW 07, Transmittal # 51004484

Dear Mr. Johnson:

The Central Regional Office of the Department of Environmental Protection, Solid Waste Management Program (the "Department" or "DEP") has reviewed your application for a modification of the Permit for the above mentioned facility. The application was prepared by David Brown. By this application, the Applicant/Permittee has submitted a Waste Ban Compliance Plan for the facility

The Department has reviewed your proposed Waste Ban Compliance Plan and hereby approves it subject to the following conditions:

1. All terms and conditions of the existing permits shall remain in full force and effect except as may be modified by this approval.
2. All activities at the facility conducted to comply with the waste ban requirements at 310 CMR 19.017 shall be in strict accordance with the waste ban compliance plan as submitted in your application and this approval.
3. Prior written approval from the Department is required before any changes or modifications can be made to the facility's waste ban compliance plan requirements.
4. This approval is subject to any restrictions contained in the facility's site assignment or any restrictions contained in applicable state and federal laws and regulations.
5. An annual summary of waste ban compliance activities at the facilities shall be reported in the appropriate section of the facility's "Annual Solid Waste Facility Report" submitted to the Department by February 15th of each calendar year.
6. The Department reserves the right to modify the facility's waste ban compliance plan based upon a determination that restricted materials are being disposed of, incinerated or transferred for disposal in excess of approved amounts.

7. Failure to comply with the waste ban requirements at 310 CMR 19.017 may result in enforcement action, potentially including a notice of non-compliance or enforcement order and/or penalty.
8. In the event the Applicant/Permittee, or its agents or contractors, observe, otherwise learn of, or otherwise suspect, that one or more haulers are restricting their arrival at the facility for the purpose of avoiding inspection, the Operator shall cause additional inspections to be conducted, targeted to these haulers.
9. The Operator, in spreading the load pursuant to Part D, Section 3, Inspection Procedure, of the Waste Ban Compliance Plan, shall cause a representative number of bags and/or other containers within the load to be opened and their contents revealed.
10. The Department reserves the right to require additional inspections, conducted under the presence and observation of a representative of the Department, without advance notice, at the Department's discretion.

RIGHT OF APPEAL

The Applicant/Permittee is hereby notified that it may within twenty-one (21) days file a request that this decision be deemed a provisional decision under 310 CMR 19.037(4)(b), by submitting a written statement of the basis on which the Applicant/Permittee believes it is aggrieved, together with any supporting materials. Upon timely filing of such a request, the decision shall be deemed a provisional decision with an effective date twenty-one (21) days after the Department's receipt of the request. Such a request shall reopen the administrative record, and the Department may rescind, supplement, modify, or reaffirm its decision. Failure by Applicant/Permittee to exercise the right provided in this section shall constitute a waiver of Applicant/Permittee's right to appeal.

Right to Appeal – This approval has been issued pursuant to Massachusetts General Laws (MGL) Chapter 111, Section 150A, and 310 CMR 19.037: Procedure for Existing Facility Permits, Permit Modifications, Permit Renewals and other Approvals, of the "Solid Waste Management Facility Regulations". Pursuant to 310 CMR 19.037(5), any person aggrieved by the issuance of this determination may file an appeal for judicial review of said decision in accordance with the provisions of M.G.L. Chapter 111 Section 150A and MGL Chapter 30A not later than thirty days following receipt.

Notice of Appeal – Any aggrieved person intending to appeal the decision to the superior court shall provide notice to the Department of intention to commence such action. Said notice of intention shall include the Department File Number/Transmittal Number of this application listed above, and shall identify with particularity the issues and reason(s) why it believed the approval decision was not proper. Such notice shall be provided to the Office of General Counsel of the Department and the Regional Director for the regional office that made the decision. The appropriate addresses to send such notices are:

Office of General Counsel
Department of Environmental Protection
One Winter Street
Boston, Massachusetts 02108

Regional Director
Department of Environmental Protection
Central Regional Office
627 Main Street
Worcester, MA 01608

No allegation shall be made in any judicial appeal of this decision unless the matter complained of was raised at the appropriate point in the administrative review procedures established in those regulations, provided that matter may be raised upon showing that it is material and that it was not reasonably possible with due diligence to have been raised during such procedures, or that matter sought to be raised is of critical importance to the public health or environmental impact of the permitted activity.

Thank you, and if you have any questions or comments regarding this matter, please feel free to contact Mr. John McMichael of the Solid Waste Management Program at (508) 792-7653 X 3833.

Very truly yours,

Purnachander B. Rao
Section Chief
Solid Waste Management Program

cc: Acton Board of Health
Joanne Bissetta, BWP, DEP – Boston

W:\Swm\WasteBan2000\Acton T.S.-WBModSW07Pmt

COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF ENVIRONMENTAL AFFAIRS
DEPARTMENT OF ENVIRONMENTAL PROTECTION
Central Regional Office, 627 Main Street, Worcester, MA 01608

RGEO PAUL CELLUCCI
overnor

E SWIFT
eutenant Governor

BOB DURAND
Secretary

EDWARD P. KUNCE
Acting Commissioner

RECEIVED
MAY 12 1999
ACTON BOARD OF HEALTH

May 11, 1999

CERTIFIED F.Y.I
John Murray
Dave Brown

Doug Halley
Acton Board of Health
472 Main Street
Acton, MA 01720

RE: CERO-MAPS-Acton Transfer Station, Permit to Modify a Large Handling Facility, BWP SW 07, Transmittal # 201131.

Dear Mr. Halley:

Enclosed is a signed copy of the Final Permit for the application referenced above. The comment period for the Provisional Permit issued on April 8, 1999, has ended and no comments have been received by the department.

If you have any questions or comments regarding the Final Permit, please write to the letterhead address or call Mr. Mike Penny of Municipal Assistance and Program Support at (508) 792-7653 ext. 3835.

Very truly yours,

Paul R. Anderson

Paul R. Anderson
Program Chief, Municipal
Assistance and Program Support

cc: James Doucett, DSWM, DEP-Boston
Purna Rao, DSWM, DEP-CERO
Dana Samuelson, DEP-CERO, Permit Administrator

PRA\MTP\CAP
W:\SWM\ACTON07TC

COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF ENVIRONMENTAL AFFAIRS
DEPARTMENT OF ENVIRONMENTAL PROTECTION
Central Regional Office, 627 Main Street, Worcester, MA 01608

EO PAUL CELLUCCI
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E SWIFT
tenant Governor

BOB DURAND
Secretary

EDWARD P. KUNCE
Acting Commissioner

ACTON TRANSFER STATION FACILITY
MODIFICATION OF LARGE HANDLING FACILITY (BWP SW 07)

Provisional Permit: April 8, 1999
Final permit: May 11, 1999

Name of Permittee:	Acton Board of Health 472 Main Street Acton, MA 01720
Name of Facility:	Acton Transfer Station
Facility Address:	14 Forest Road Acton, MA 01720
DEP Region:	Department of Environmental Protection (Department or DEP) Central Regional Office (CERO), Worcester Municipal Assistance & Program Support
Transmittal No:	201131

I. FACILITY DESCRIPTION AND OUTSTANDING APPROVAL STATUS

A. FACILITY

1. Owner: Town of Acton
   472 Main Street
   Acton, MA 01720

2. Operator: Acton Highway Department

3. Description of Waste:

   (a) Type(s) Accepted: Municipal/Commercial solid waste and recyclable materials.

   (b) Methods of Management: Consolidation for transfer and recycling.

(c) Approved Amount of Waste Acceptance: The tonnage of non-recyclable municipal/commercial solid waste accepted shall not exceed 27,000 tons per year or approximately 105 tons per day, based on an average 5 day per week operation (daily maximum tonnage not to exceed 130 tons per day).

B. Reviews and Approvals Affecting Current or Planned Operation

1. MEPA: Not required as per December 16, 1998 letter from Executive Office of Environmental Affairs.

2. Site Assignment: Acton Board of Health, September 21, 1982.

3. Authorization to Operate: This facility was issued an approval from the DEP in 1984.

4. Title/Description(s) of Current Approval/Permit:

   Existing Facility Permit BWP SW 16
   Transmittal # 119242
   Issued by DEP-CERO: February 26, 1997

Permit Application Information for BWP SW 07
Modification of Large Handling Facility

1. Applicant Name: Town of Acton

2. Transmittal Number: 201131

3. Start Date of Application: 28-DEC-98

4. Date of Fee Receipt: 24-DEC-98

5. Consulting Registered Engineer: Not applicable

6. Title of Plans and reports and Date of Receipt at DEP-CERO:

   Acton Transfer Station
   Modification of a Large Handling Facility (BWP SW 07)
   Dated: September 3, 1998
   Received by DEP-CERO: December 24, 1998

7. Project Description:

   The Town of Acton currently owns and operates a solid waste transfer station at 14 Forest Road in Acton, MA. The facility is currently operating under Existing Facility Permit BWP SW 16, Transmittal # 119242 issued by the DEP on February 26, 1997. The current permit sets the transfer station's capacity at 18,000 tons of solid waste per year. The Town of Acton is seeking to increase the transfer stations capacity to 27,000 tons per year or approximately 105 tons per day.

II. PERMIT APPLICATION REVIEW AND APPROVAL

This application complies with the application requirements at 310 CMR 19.030, Application for a Solid Waste Management Facility Permit, and 19.039 Applicant's Request to Modify a Permit, and was reviewed in accordance with 310 CMR 19.037, Review Procedure for Existing Facility Permits, Permit Modifications.... The plans and reports described above establish that the facility complies with the applicable criteria at 310 CMR 19.038(2).

This document is a Permit issued pursuant to Massachusetts General Laws (M.G.L.), Chapter 111, Section 150A, and 310 CMR 19.000, the **"Solid Waste Management Facility Regulations"** (Facility Regulations), subject to the conditions set forth below. In the event this permit conflicts with all or parts of prior plan approvals or permits issued pursuant to Chapter 111, Section 150A or solid waste regulations in effect prior to July 1, 1990, the terms and conditions of this permit shall supersede the conflicting provisions of the prior permits and/or approvals. This permit does not convey property rights of any sort or any exclusive privilege.

III. GENERAL PERMIT CONDITIONS

1. **Amount of Waste** – The maximum permitted tonnage of solid waste processed at this facility shall not exceed 27,000 tons per year or 105 tons per day, based on an average 5 day per week operation (daily maximum tonage not to exceed 130 tons per day).

2. **Compliance with Plans** – The operation and maintenance of the facility shall be carried out in accordance with the requirements in 310 CMR 19.000. The permitee shall conduct operations in accordance with approved plans, reports, and other submissions. No material changes in the design or activities described in the approved documents shall be performed without prior written Department approval.

3. **Compliance with other Approvals** – The operation, maintenance and closure of this facility shall be performed in compliance with other applicable local, state and federal laws and regulations.

4. **Standard Conditions** – The Permittee shall operate the facility in accordance with the conditions at 310 CMR 19.007 – 19.011 and 19.043(5).

5. **Joint Liability** – This permit is issued subject to the conditions of joint liability of the permittee and owner in accordance with 310 CMR 19.043(3).

6. **Transfer** – No transfer of this permit shall be permitted except in accordance with 310 CMR 19.044.

7. **Permit Modification** – The Department reserves the right to resind, suspend or modify this permit by the imposition of additional conditions based upon a determination of actual, or the threat of, adverse impacts from the construction, operation, maintenance or closure of the facility.

IV. SPECIFIC PERMIT CONDITIONS

1. **Special Wastes** - The Acton Transfer/Recycling Facility shall not accept any special wastes except as provided by a Permit/Approval to Manage a Special Waste issued pursuant to 310 CMR 19.061. All Special Wastes handled by the Facility shall be handled in accordance with the requirements of 310 CMR 19.061. At the present time, the Acton Transfer/Recycling Facility has not applied for a permit to handle special wastes.

2. **Inspections** - The Facility shall be inspected by or under the overall supervision of a registered professional engineer, experienced in solid waste management, on a quarterly (every three months) frequency. These inspections shall be carried out to demonstrate that the Acton Transfer/Recycling Facility's operations are in compliance with 310 CMR 19.000, the Facility Regulations. Copies of the inspection reports shall be submitted to the DEP-CERO and Local Board of Health.

3. **Annual Report** – The Permittee shall submit to the DEP-CERO, not later than February 15th of each calendar year, an annual report summarizing the Facility's operations for the previous calendar year. The annual report shall include, but not be limited to:

   (a) A summary of the year's receipt of wastes, including the date and the daily tonnage for each operational day, total and average tons per week (based on operational days), total and average tons per month (based on operational days), and the total tons per year and the number of operational days in that year.

   (b) A summary of any operational problems or deficiencies encountered, including recommendations for changes or modifications to address them.

4. **Notification** - The DEP shall be notified within twenty-four (24) hours of any incidents or disruptions which occur at the Facility that could affect the public health, safety, environment, or construction and operation of the facility. Nothing in this section shall limit or restrict the DEP from exercising its authority in accordance with the provisions of M.G.L., Chapter 21E, and 310 CMR 40.000, or other applicable laws and/or regulations.

V. RIGHT OF APPEAL

1. **Right to Appeal** – Pursuant to 310 CMR 19.037(5), any person aggrieved by the issuance of this permit or authorization to operate may file an appeal for judicial review of said decision in accordance with the provisions of M.G.L., Chapter 111, Section 150A, and Chapter 30A not later than thirty [30] days following notice of the decision.

2. **Notice of Appeal** – Any aggrieved person intending to appeal the decision to the superior court shall provide notice to the Department of intention to commence such action. Said notice of intention shall include the Department Permit/File Number and shall identify with particularity the issues and reason(s) why it is believed the approval decision was not proper. Such notice shall be provided to the Office of General Counsel of the Department and the Regional Director for the regional office which made the decision. The appropriate addresses to send such notices are:

   Office of General Counsel
   Department of Environmental Protection
   One Winter Street-Third floor
   Boston, MA 02108

   Regional Director
   Department of Environmental Protection
   Central Regional Office
   627 Main Street
   Worcester, MA 01608

No allegation shall be made in any judicial appeal of this decision unless the matter complained of was raised at the appropriate point in the administrative review procedures established in those regulations provided that matter may be raised upon a showing that it is material and that it was not reasonably possible with due diligence to have been raised during such procedures, or that the matter sought to be raised is of critical importance to the public health or environmental impact of the permitted activity.

Paul R. Anderson
Program Chief, Municipal
Assistance and Program Support

MTP/CAP/PBR
W:/SWM/ACTON TRANSFER STATION FACILITY

CC: James Doucett, DEP, DSWM-Boston
Acton Board of Selectmen
Acton Department of Public Works

Site Assignment

B

TOWN OF ACTON

INTERDEPARTMENTAL COMMUNICATION

September 22, 1982

TO: Board of Selectmen

FROM: Board of Health

SUBJECT: Site Assignment of land for Solid Waste Transfer Station, Acton, MA.

The Acton Board of Health, at its regularly scheduled meeting of September 21, 1982, voted to assign the land shown as Parcels 140 and 76 on Plate G4 of the tax maps of the Town of Acton as a site for the construction and operation of a municipal solid waste transfer station.

?

The assignment is subject to the following conditions:

1. An engineering evaluation be undertaken of the Site Plan layout on the assigned site. The Board of Health is to participate in preparation of the Scope of Services for the consultant which scope is expected to include evaluation of environmental impacts including noise, odor, traffic, vector control, air quality and similar concerns.

2. The design of the facility will be based in part upon the findings of the study above including specifically:

   a. the site design and landscaping is to achieve a reduced noise level emanating from the assigned site consistent with acceptable noise levels for residential areas. The noise level standards are to be approved by the Board of Health on advice of a consulting engineer.

   b. the site layout is to minimize traffic noise where possible through optimum layouts and designs for access to Route 2.

3. An operating procedure will be recommended by the consultant which sets refuse handling procedures and holding time limits to ensure minimum odor from the facility.

The continuance of this assignment is contingent upon the Board of Health's approval of the final site layout, the facility design and the facility operating procedure.

Steven Calichman

By Steven Calichman for:
The Acton Board of Health

ABOH/mw
1892A

cc: Town Manager
Acton Engineering Dept.

Groundwater/Surface Water Monitoring Data (2000-2004)

(2000)

TOWN OF ACTON
472 Main Street
Acton, Massachusetts, 01720
Telephone (978) 264-9628
Fax (978) 264-9630

Engineering Department

May 19, 2000

Ms. Cheryl Poirier
Massachusetts Department of Environmental Protection
75 Grove Street
Worcester, Massachusetts 01605

Dear Ms. Poirier:

Please find attached the groundwater analyses of wells at the former Acton Landfill. The Acton Engineering Department collected the groundwater samples on April 10 and 13, 2000. Revet Environmental & Analytical Laboratories performed the lab work between April 18 and May 1, 2000.

If you should require any additional information or have any questions, please contact me at (978) 264-9628.

Very Truly Yours,

Corey S. York
Engineering Assistant

csy

Revet Environmental & Analytical Laboratories, Inc.
181 Cedar Hill Street Marlborough,
MA 01752-3000
Phone: (508) 460-7600
FAX: (508) 460-7777
Massachusetts Certification M-MA082

Client Name: *Acton Engineering*
Revet Account: *N2809*
Login Date: *4/14/00*

Contact: *Corey York*
PO/Project: *139266 Forest Rd LF*
Matrix: *Water* Sampler: CY

Certificate of Analysis

Compound	Method	Date Run	Detection Limit	Revet ID - 5755		
Iron	200.7	4/25/2000	0.01 mg/L	401 mg/L	-	-
Lead	200.7	4/25/2000	0.05 mg/L	0.224 mg/L	-	-
Manganese	200.7	4/25/2000	0.001 mg/L	2.48 mg/L	-	-
Sodium	200.7	4/25/2000	0.39 mg/L	111 mg/L	-	-
Sulfate#	300.0	4/18/2000	0.1 mg/L	21.5 mg/L	-	-
Alkalinity	2320B	4/18/2000	10 mg/L CaCO3	115.6 mg/L CaCO3	-	-
Ammonia-N	350.3	4/20/2000	0.05 mg/L	10.56 mg/L	-	-
Chloride	ASTM D512	4/20/2000	10 mg/L	180 mg/L	-	-
Nitrate-N	4500-NO3-D	4/18/2000	0.1 mg/L	2.55 mg/L	-	-
TDS	2540C	4/18/2000	10 mg/L	453 mg/L	-	-
			Client ID	L2		
			Date Sampled	4/13/2000		

BDL=Below Detection Limit. Sample detection limits are always equal to the detection limit multiplied by the dilution factor.

QC Office: [signature] Date: 05/05/00

Comments: #Analyzed by MA certified lab MA048.
200.7 extracted on 4/20/2000

Revet Environmental & Analytical Laboratories, Inc.
181 Cedar Hill Street Marlborough,
MA 01752-3000
Phone: (508) 460-7600
FAX: (508) 460-7777
Massachusetts Certification M-MA082

Client Name: *Acton Engineering*
Revet Account: *N2809*
Revet ID: *5756*
Login Date: *4/14/00*
Matrix: *Water*

Contact: *Corey York*
PO/Project: *139266 Forest Rd LF*
Client ID: *L11*
Date Sampled: *4/13/00*
Sampler: CY

Certificate of Analysis

CAS #	Compound	Dilution Factor	Result	Units	Detection Limit	Method	Date Run
7440-38-2	Arsenic	1	0.061	mg/L	0.02	200.7	4/25/00
7440-39-3	Barium	1	0.040	mg/L	0.001	200.7	4/25/00
7440-43-9	Cadmium	1	0.003	mg/L	0.001	200.7	4/25/00
7440-47-3	Chromium	1	0.015	mg/L	0.01	200.7	4/25/00
7439-89-6	Iron	1	47.4	mg/L	0.01	200.7	4/25/00
7439-92-1	Lead	1	BDL	mg/L	0.05	200.7	4/25/00
7439-95-4	Manganese	1	1.05	mg/L	0.001	200.7	4/25/00
7439-97-6	Mercury	1	BDL	mg/L	0.0002	245.1	4/28/00
7782-49-2	Selenium	1	BDL	mg/L	0.01	200.7	4/25/00
7440-22-4	Silver	1	BDL	mg/L	0.004	200.7	4/25/00
7440-23-5	Sodium	1	60.1	mg/L	0.39	200.7	4/25/00
-	Alkalinity	1	40.66	mg/L CaCO3	10	2320B	4/14/00
-	Ammonia-N	1	0.68	mg/L	0.05	350.3	4/20/00
-	Chloride	1	100	mg/L	10	ASTM D512	4/20/00
-	Nitrate-N	1	0.37	mg/L	0.1	4500-NO3-D	4/14/00
-	TDS	1	284	mg/L	10	2540C	4/14/00
-	Sulfate#	1	10.7	mg/L	0.1	300.0	4/18/00
71-43-2	Benzene	1	BDL	ug/L	0.4	524.2	4/26/00
56-23-5	Carbon Tetrachloride	1	BDL	ug/L	0.4	524.2	4/26/00
75-35-4	1,1-Dichloroethylene	1	BDL	ug/L	0.4	524.2	4/26/00
107-06-2	1,2-Dichloroethane	1	BDL	ug/L	0.4	524.2	4/26/00
106-46-7	para-Dichlorobenzene	1	BDL	ug/L	0.4	524.2	4/26/00
79-01-6	Trichloroethylene	1	BDL	ug/L	0.4	524.2	4/26/00
71-55-6	1,1,1-Trichloroethane	1	BDL	ug/L	0.4	524.2	4/26/00
75-01-4	Vinyl Chloride	1	BDL	ug/L	0.4	524.2	4/26/00
108-90-7	Monochlorobenzene	1	BDL	ug/L	0.4	524.2	4/26/00
95-50-1	o-Dichlorobenzene	1	BDL	ug/L	0.4	524.2	4/26/00
156-60-5	trans-1,2-Dichloroethylene	1	BDL	ug/L	0.4	524.2	4/26/00
159-59-4	cis-1,2-Dichloroethylene	1	BDL	ug/L	0.4	524.2	4/26/00
78-87-5	1,2-Dichloropropane	1	BDL	ug/L	0.4	524.2	4/26/00
100-41-4	Ethylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
100-42-5	Styrene	1	BDL	ug/L	0.4	524.2	4/26/00
127-18-4	Tetrachloroethylene	1	BDL	ug/L	0.4	524.2	4/26/00
108-88-3	Toluene	1	BDL	ug/L	0.4	524.2	4/26/00
95-47-6	Xylenes (total)	1	BDL	ug/L	0.4	524.2	4/26/00
75-09-2	Dichloromethane	1	BDL	ug/L	0.4	524.2	4/26/00
120-82-1	1,2,4-Trichlorobenzene	1	BDL	ug/L	0.4	524.2	4/26/00
79-00-5	1,1,2-Trichloroethane	1	BDL	ug/L	0.4	524.2	4/26/00
67-66-3	Chloroform	1	BDL	ug/L	0.4	524.2	4/26/00
75-27-4	Bromodichloromethane	1	BDL	ug/L	0.4	524.2	4/26/00

QC Office: _____ Date: 05/05/00

Revet Environmental & Analytical Laboratories, Inc.

RevetID: 5756
Client ID: L11

CAS #	Compound	Dilution Factor	Result	Units	Detection Limit	Method	Date Run
124-48-1	Chlorodibromomethane	1	BDL	ug/L	0.4	524.2	4/26/00
75-25-2	Bromoform	1	BDL	ug/L	0.4	524.2	4/26/00
541-73-1	m-Dichlorobenzene	1	BDL	ug/L	0.4	524.2	4/26/00
74-95-3	Dibromomethane	1	BDL	ug/L	0.4	524.2	4/26/00
563-58-6	1,1-Dichloropropene	1	BDL	ug/L	0.4	524.2	4/26/00
75-34-3	1,1-Dichloroethane	1	BDL	ug/L	0.4	524.2	4/26/00
79-34-5	1,1,2,2-Tetrachloroethane	1	BDL	ug/L	0.4	524.2	4/26/00
142-28-9	1,3-Dichloropropane	1	BDL	ug/L	0.4	524.2	4/26/00
74-87-3	Chloromethane	1	BDL	ug/L	0.4	524.2	4/26/00
74-83-9	Bromomethane	1	BDL	ug/L	0.4	524.2	4/26/00
96-18-4	1,2,3-Trichloropropane	1	BDL	ug/L	0.4	524.2	4/26/00
630-20-6	1,1,1,2-Tetrachloroethane	1	BDL	ug/L	0.4	524.2	4/26/00
75-00-3	Chloroethane	1	BDL	ug/L	0.4	524.2	4/26/00
590-20-7	2,2-Dichloropropane	1	BDL	ug/L	0.4	524.2	4/26/00
95-49-8	o-Chlorotoluene	1	BDL	ug/L	0.4	524.2	4/26/00
106-43-4	p-Chlorotoluene	1	BDL	ug/L	0.4	524.2	4/26/00
108-86-1	Bromobenzene	1	BDL	ug/L	0.4	524.2	4/26/00
542-75-6	1,3-Dichloropropene	1	BDL	ug/L	0.4	524.2	4/26/00
95-63-6	1,2,4-Trimethylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
87-61-6	1,2,3-Trichlorobenzene	1	BDL	ug/L	0.4	524.2	4/26/00
103-65-1	n-Propylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
104-51-8	n-Butylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
91-20-3	Naphthalene	1	BDL	ug/L	0.4	524.2	4/26/00
87-63-3	Hexachlorobutadiene	1	BDL	ug/L	0.4	524.2	4/26/00
108-67-8	1,3,5-Trimethylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
99-87-6	p-Isopropyltoluene	1	BDL	ug/L	0.4	524.2	4/26/00
98-82-8	Isopropylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
98-06-6	Tert-butylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
135-98-8	Sec-butylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
75-69-4	Fluorotrichloromethane	1	BDL	ug/L	0.4	524.2	4/26/00
75-71-8	Dichlorodifluoromethane	1	BDL	ug/L	0.4	524.2	4/26/00
74-97-5	Bromochloromethane	1	BDL	ug/L	0.4	524.2	4/26/00
1634-04-4	Methyl tert butyl ether	1	BDL	ug/L	0.4	524.2	4/26/00
Surrogate	4-bromofluorobenzene	1	108%	Accep. 80-120		524.2	4/26/00
Surrogate	1,2-dichlorobenzene-d4	1	104%	Accep. 80-120		524.2	4/26/00

BDL=Below Detection Limit. Sample detection limits are always equal to the detection limit multiplied by the dilution.

Comments: #Analyzed by MA certified lab MA048.

QC Office: [signature] Date: 5/05/00

Revet Environmental & Analytical Laboratories, Inc.
181 Cedar Hill Street Marlborough,
MA 01752-3000
Phone: (508) 460-7600
FAX: (508) 460-7777
Massachusetts Certification M-MA082

Client Name: *Acton Engineering*
Revet Account: *N2809*
Revet ID: *5757*
Login Date: *4/14/00*
Matrix: *Water*

Contact: *Corey York*
PO/Project: *139266 Forest Rd LF*
Client ID: *L12*
Date Sampled: *4/13/00*
Sampler: CY

Certificate of Analysis

CAS #	Compound	Dilution Factor	Result	Units	Detection Limit	Method	Date Run
7440-38-2	Arsenic	1	0.166	mg/L	0.02	200.7	4/25/00
7440-39-3	Barium	1	0.206	mg/L	0.001	200.7	4/25/00
7440-43-9	Cadmium	1	0.008	mg/L	0.001	200.7	4/25/00
7440-47-3	Chromium	1	0.062	mg/L	0.01	200.7	4/25/00
7439-89-6	Iron	1	94.8	mg/L	0.01	200.7	4/25/00
7439-92-1	Lead	1	BDL	mg/L	0.05	200.7	4/25/00
7439-95-4	Manganese	1	1.22	mg/L	0.001	200.7	4/25/00
7439-97-6	Mercury	1	BDL	mg/L	0.0002	245.1	4/28/00
7782-49-2	Selenium	1	BDL	mg/L	0.01	200.7	4/25/00
7440-22-4	Silver	1	BDL	mg/L	0.004	200.7	4/25/00
7440-23-5	Sodium	1	119	mg/L	0.39	200.7	4/25/00
-	Alkalinity	1	470.8	mg/L CaCO3	10	2320B	4/14/00
-	Ammonia-N	1	34.8	mg/L	0.05	350.3	4/20/00
-	Chloride	1	134	mg/L	10	ASTM D512	4/20/00
-	Nitrate-N	1	4.08	mg/L	0.1	4500-NO3-D	4/14/00
-	TDS	1	885	mg/L	10	2540C	4/14/00
-	Sulfate#	1	7.3	mg/L	0.1	300.0	4/18/00
71-43-2	Benzene	1	1.8	ug/L	0.4	524.2	4/26/00
56-23-5	Carbon Tetrachloride	1	BDL	ug/L	0.4	524.2	4/26/00
75-35-4	1,1-Dichloroethylene	1	BDL	ug/L	0.4	524.2	4/26/00
107-06-2	1,2-Dichloroethane	1	BDL	ug/L	0.4	524.2	4/26/00
106-46-7	para-Dichlorobenzene	1	2.0	ug/L	0.4	524.2	4/26/00
79-01-6	Trichloroethylene	1	BDL	ug/L	0.4	524.2	4/26/00
71-55-6	1,1,1-Trichloroethane	1	BDL	ug/L	0.4	524.2	4/26/00
75-01-4	Vinyl Chloride	1	BDL	ug/L	0.4	524.2	4/26/00
108-90-7	Monochlorobenzene	1	21	ug/L	0.4	524.2	4/26/00
95-50-1	o-Dichlorobenzene	1	1.2	ug/L	0.4	524.2	4/26/00
156-60-5	trans-1,2-Dichloroethylene	1	BDL	ug/L	0.4	524.2	4/26/00
159-59-4	cis-1,2-Dichloroethylene	1	BDL	ug/L	0.4	524.2	4/26/00
78-87-5	1,2-Dichloropropane	1	BDL	ug/L	0.4	524.2	4/26/00
100-41-4	Ethylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
100-42-5	Styrene	1	BDL	ug/L	0.4	524.2	4/26/00
127-18-4	Tetrachloroethylene	1	BDL	ug/L	0.4	524.2	4/26/00
108-88-3	Toluene	1	BDL	ug/L	0.4	524.2	4/26/00
95-47-6	Xylenes (total)	1	BDL	ug/L	0.4	524.2	4/26/00
75-09-2	Dichloromethane	1	BDL	ug/L	0.4	524.2	4/26/00
120-82-1	1,2,4-Trichlorobenzene	1	BDL	ug/L	0.4	524.2	4/26/00
79-00-5	1,1,2-Trichloroethane	1	BDL	ug/L	0.4	524.2	4/26/00
67-66-3	Chloroform	1	BDL	ug/L	0.4	524.2	4/26/00
75-27-4	Bromodichloromethane	1	BDL	ug/L	0.4	524.2	4/26/00

QC Office: _____ Date: 05/05/00

Revet Environmental & Analytical Laboratories, Inc.

RevetID: 5757
Client ID: L12

CAS #	Compound	Dilution Factor	Result	Units	Detection Limit	Method	Date Run
124-48-1	Chlorodibromomethane	1	BDL	ug/L	0.4	524.2	4/26/00
75-25-2	Bromoform	1	BDL	ug/L	0.4	524.2	4/26/00
541-73-1	m-Dichlorobenzene	1	BDL	ug/L	0.4	524.2	4/26/00
74-95-3	Dibromomethane	1	BDL	ug/L	0.4	524.2	4/26/00
563-58-6	1,1-Dichloropropene	1	BDL	ug/L	0.4	524.2	4/26/00
75-34-3	1,1-Dichloroethane	1	BDL	ug/L	0.4	524.2	4/26/00
79-34-5	1,1,2,2-Tetrachloroethane	1	BDL	ug/L	0.4	524.2	4/26/00
142-28-9	1,3-Dichloropropane	1	BDL	ug/L	0.4	524.2	4/26/00
74-87-3	Chloromethane	1	BDL	ug/L	0.4	524.2	4/26/00
74-83-9	Bromomethane	1	BDL	ug/L	0.4	524.2	4/26/00
96-18-4	1,2,3-Trichloropropane	1	BDL	ug/L	0.4	524.2	4/26/00
630-20-6	1,1,1,2-Tetrachloroethane	1	BDL	ug/L	0.4	524.2	4/26/00
75-00-3	Chloroethane	1	3.9	ug/L	0.4	524.2	4/26/00
590-20-7	2,2-Dichloropropane	1	BDL	ug/L	0.4	524.2	4/26/00
95-49-8	o-Chlorotoluene	1	BDL	ug/L	0.4	524.2	4/26/00
106-43-4	p-Chlorotoluene	1	BDL	ug/L	0.4	524.2	4/26/00
108-86-1	Bromobenzene	1	BDL	ug/L	0.4	524.2	4/26/00
542-75-6	1,3-Dichloropropene	1	BDL	ug/L	0.4	524.2	4/26/00
95-63-6	1,2,4-Trimethylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
87-61-6	1,2,3-Trichlorobenzene	1	BDL	ug/L	0.4	524.2	4/26/00
103-65-1	n-Propylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
104-51-8	n-Butylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
91-20-3	Naphthalene	1	BDL	ug/L	0.4	524.2	4/26/00
87-63-3	Hexachlorobutadiene	1	BDL	ug/L	0.4	524.2	4/26/00
108-67-8	1,3,5-Trimethylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
99-87-6	p-Isopropyltoluene	1	BDL	ug/L	0.4	524.2	4/26/00
98-82-8	Isopropylbenzene	1	0.5	ug/L	0.4	524.2	4/26/00
98-06-6	Tert-butylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
135-98-8	Sec-butylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
75-69-4	Fluorotrichloromethane	1	BDL	ug/L	0.4	524.2	4/26/00
75-71-8	Dichlorodifluoromethane	1	BDL	ug/L	0.4	524.2	4/26/00
74-97-5	Bromochloromethane	1	BDL	ug/L	0.4	524.2	4/26/00
1634-04-4	Methyl tert butyl ether	1	0.5	ug/L	0.4	524.2	4/26/00
Surrogate	4-bromofluorobenzene	1	109%	Accep. 80-120		524.2	4/26/00
Surrogate	1,2-dichlorobenzene-d4	1	98%	Accep. 80-120		524.2	4/26/00

BDL=Below Detection Limit. Sample detection limits are always equal to the detection limit multiplied by the dilution.

Comments: #Analyzed by MA certified lab MA048.

QC Office: _____ Date: 05/05/00

Revet Environmental & Analytical Laboratories, Inc.
181 Cedar Hill Street Marlborough,
MA 01752-3000
Phone: (508) 460-7600
FAX: (508) 460-7777
Massachusetts Certification M-MA082

Client Name: *Acton Engineering*
Revet Account: *N2809*
Revet ID: *5758*
Login Date: *4/14/00*
Matrix: *Water*

Contact: *Corey York*
PO/Project: *139266 Forest Rd LF*
Client ID: *L13*
Date Sampled: *4/13/00*
Sampler: CY

Certificate of Analysis

CAS #	Compound	Dilution Factor	Result	Units	Detection Limit	Method	Date Run
7440-38-2	Arsenic	1	0.36	mg/L	0.02	200.7	4/25/00
7440-39-3	Barium	1	1.18	mg/L	0.001	200.7	4/25/00
7440-43-9	Cadmium	1	0.017	mg/L	0.001	200.7	4/25/00
7440-47-3	Chromium	1	0.178	mg/L	0.01	200.7	4/25/00
7439-89-6	Iron	1	210	mg/L	0.01	200.7	4/25/00
7439-92-1	Lead	1	0.103	mg/L	0.05	200.7	4/25/00
7439-95-4	Manganese	1	5.45	mg/L	0.001	200.7	4/25/00
7439-97-6	Mercury	1	0.0002	mg/L	0.0002	245.1	4/28/00
7782-49-2	Selenium	1	BDL	mg/L	0.01	200.7	4/25/00
7440-22-4	Silver	1	BDL	mg/L	0.004	200.7	4/25/00
7440-23-5	Sodium	1	321	mg/L	0.39	200.7	4/25/00
-	Alkalinity	1	727.6	mg/L CaCO3	10	2320B	4/14/00
-	Ammonia-N	1	84.1	mg/L	0.05	350.3	4/20/00
-	Nitrate-N	1	4.71	mg/L	0.1	4500-NO3-D	4/14/00
-	TDS	1	1369	mg/L	10	2540C	4/14/00
-	Sulfate#	1	14.2	mg/L	0.1	300.0	4/18/00
-	Chloride	1	340	mg/L	10	ASTM D512	4/20/00
-	Phenols#	1	BDL	mg/L	0.05	420.1	5/1/00
71-43-2	Benzene	1	3.9	ug/L	0.4	524.2	4/26/00
56-23-5	Carbon Tetrachloride	1	BDL	ug/L	0.4	524.2	4/26/00
75-35-4	1,1-Dichloroethylene	1	BDL	ug/L	0.4	524.2	4/26/00
107-06-2	1,2-Dichloroethane	1	BDL	ug/L	0.4	524.2	4/26/00
106-46-7	para-Dichlorobenzene	1	0.5	ug/L	0.4	524.2	4/26/00
79-01-6	Trichloroethylene	1	BDL	ug/L	0.4	524.2	4/26/00
71-55-6	1,1,1-Trichloroethane	1	BDL	ug/L	0.4	524.2	4/26/00
75-01-4	Vinyl Chloride	1	BDL	ug/L	0.4	524.2	4/26/00
108-90-7	Monochlorobenzene	1	1.3	ug/L	0.4	524.2	4/26/00
95-50-1	o-Dichlorobenzene	1	BDL	ug/L	0.4	524.2	4/26/00
156-60-5	trans-1,2-Dichloroethylene	1	BDL	ug/L	0.4	524.2	4/26/00
159-59-4	cis-1,2-Dichloroethylene	1	BDL	ug/L	0.4	524.2	4/26/00
78-87-5	1,2-Dichloropropane	1	BDL	ug/L	0.4	524.2	4/26/00
100-41-4	Ethylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
100-42-5	Styrene	1	BDL	ug/L	0.4	524.2	4/26/00
127-18-4	Tetrachloroethylene	1	BDL	ug/L	0.4	524.2	4/26/00
108-88-3	Toluene	1	BDL	ug/L	0.4	524.2	4/26/00
95-47-6	Xylenes (total)	1	BDL	ug/L	0.4	524.2	4/26/00
75-09-2	Dichloromethane	1	BDL	ug/L	0.4	524.2	4/26/00
120-82-1	1,2,4-Trichlorobenzene	1	BDL	ug/L	0.4	524.2	4/26/00
79-00-5	1,1,2-Trichloroethane	1	BDL	ug/L	0.4	524.2	4/26/00
67-66-3	Chloroform	1	BDL	ug/L	0.4	524.2	4/26/00

QC Office: _____ Date: 05/05/00

Revet Environmental & Analytical Laboratories, Inc.

RevetID: 5758
Client ID: L13

CAS #	Compound	Dilution Factor	Result	Units	Detection Limit	Method	Date Run
75-27-4	Bromodichloromethane	1	BDL	ug/L	0.4	524.2	4/26/00
124-48-1	Chlorodibromomethane	1	BDL	ug/L	0.4	524.2	4/26/00
75-25-2	Bromoform	1	BDL	ug/L	0.4	524.2	4/26/00
541-73-1	m-Dichlorobenzene	1	BDL	ug/L	0.4	524.2	4/26/00
74-95-3	Dibromomethane	1	BDL	ug/L	0.4	524.2	4/26/00
563-58-6	1,1-Dichloropropene	1	BDL	ug/L	0.4	524.2	4/26/00
75-34-3	1,1-Dichloroethane	1	BDL	ug/L	0.4	524.2	4/26/00
79-34-5	1,1,2,2-Tetrachloroethane	1	BDL	ug/L	0.4	524.2	4/26/00
142-28-9	1,3-Dichloropropane	1	BDL	ug/L	0.4	524.2	4/26/00
74-87-3	Chloromethane	1	BDL	ug/L	0.4	524.2	4/26/00
74-83-9	Bromomethane	1	BDL	ug/L	0.4	524.2	4/26/00
96-18-4	1,2,3-Trichloropropane	1	BDL	ug/L	0.4	524.2	4/26/00
630-20-6	1,1,1,2-Tetrachloroethane	1	BDL	ug/L	0.4	524.2	4/26/00
75-00-3	Chloroethane	1	2.4	ug/L	0.4	524.2	4/26/00
590-20-7	2,2-Dichloropropane	1	BDL	ug/L	0.4	524.2	4/26/00
95-49-8	o-Chlorotoluene	1	BDL	ug/L	0.4	524.2	4/26/00
106-43-4	p-Chlorotoluene	1	BDL	ug/L	0.4	524.2	4/26/00
108-86-1	Bromobenzene	1	BDL	ug/L	0.4	524.2	4/26/00
542-75-6	1,3-Dichloropropene	1	BDL	ug/L	0.4	524.2	4/26/00
95-63-6	1,2,4-Trimethylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
87-61-6	1,2,3-Trichlorobenzene	1	BDL	ug/L	0.4	524.2	4/26/00
103-65-1	n-Propylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
104-51-8	n-Butylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
91-20-3	Naphthalene	1	BDL	ug/L	0.4	524.2	4/26/00
87-63-3	Hexachlorobutadiene	1	BDL	ug/L	0.4	524.2	4/26/00
108-67-8	1,3,5-Trimethylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
99-87-6	p-Isopropyltoluene	1	BDL	ug/L	0.4	524.2	4/26/00
98-82-8	Isopropylbenzene	1	0.8	ug/L	0.4	524.2	4/26/00
98-06-6	Tert-butylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
135-98-8	Sec-butylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
75-69-4	Fluorotrichloromethane	1	BDL	ug/L	0.4	524.2	4/26/00
75-71-8	Dichlorodifluoromethane	1	BDL	ug/L	0.4	524.2	4/26/00
74-97-5	Bromochloromethane	1	BDL	ug/L	0.4	524.2	4/26/00
1634-04-4	Methyl tert butyl ether	1	BDL	ug/L	0.4	524.2	4/26/00
Surrogate	4-bromofluorobenzene	1	94%	Accep. 80-120		524.2	4/26/00
Surrogate	1,2-dichlorobenzene-d4	1	85%	Accep. 80-120		524.2	4/26/00

BDL=Below Detection Limit. Sample detection limits are always equal to the detection limit multiplied by the dilution.

Comments: #Analyzed by MA certified lab MA048.

QC Office: _____ Date: 05/05/00

Revet Environmental & Analytical Laboratories, Inc.
181 Cedar Hill Street Marlborough,
MA 01752-3000
Phone: (508) 460-7600
FAX: (508) 460-7777
Massachusetts Certification M-MA082

Client Name: *Acton Engineering* Contact: *Corey York*
Revet Account: *N2809* PO/Project: *139266 Forest Rd LF*
Revet ID: *5759* Client ID: *L 14*
Login Date: *4/14/00* Date Sampled: *4/13/00*
Matrix: *Water* Sampler: CY

Certificate of Analysis

CAS #	Compound	Dilution Factor	Result	Units	Detection Limit	Method	Date Run
7440-38-2	Arsenic	1	BDL	mg/L	0.02	200.7	4/25/00
7440-39-3	Barium	1	0.269	mg/L	0.001	200.7	4/25/00
7440-43-9	Cadmium	1	0.003	mg/L	0.001	200.7	4/25/00
7440-47-3	Chromium	1	0.021	mg/L	0.01	200.7	4/25/00
7439-89-6	Iron	1	8.67	mg/L	0.01	200.7	4/25/00
7439-92-1	Lead	1	BDL	mg/L	0.05	200.7	4/25/00
7439-95-4	Manganese	1	4.52	mg/L	0.001	200.7	4/25/00
7439-97-6	Mercury	1	BDL	mg/L	0.0002	245.1	4/28/00
7440-22-4	Silver	1	BDL	mg/L	0.004	200.7	4/25/00
7440-23-5	Sodium	1	178	mg/L	0.39	200.7	4/25/00
-	Alkalinity	1	10.7	mg/L CaCO3	10	2320B	4/14/00
-	Ammonia-N	1	1.11	mg/L	0.05	350.3	4/20/00
-	Chloride	1	364	mg/L	10	ASTM D512	4/20/00
-	Phenols#	1	BDL	mg/L	0.05	420.1	5/1/00
-	Sulfate#	1	7.7	mg/L	0.1	300.0	4/18/00
-	Nitrate-N	1	1.09	mg/L	0.1	4500-NO3-D	4/14/00
-	TDS	1	652	mg/L	10	2540C	4/14/00
71-43-2	Benzene	1	BDL	ug/L	0.4	524.2	4/26/00
56-23-5	Carbon Tetrachloride	1	BDL	ug/L	0.4	524.2	4/26/00
75-35-4	1,1-Dichloroethylene	1	BDL	ug/L	0.4	524.2	4/26/00
107-06-2	1,2-Dichloroethane	1	BDL	ug/L	0.4	524.2	4/26/00
106-46-7	para-Dichlorobenzene	1	BDL	ug/L	0.4	524.2	4/26/00
79-01-6	Trichloroethylene	1	BDL	ug/L	0.4	524.2	4/26/00
71-55-6	1,1,1-Trichloroethane	1	BDL	ug/L	0.4	524.2	4/26/00
75-01-4	Vinyl Chloride	1	BDL	ug/L	0.4	524.2	4/26/00
108-90-7	Monochlorobenzene	1	BDL	ug/L	0.4	524.2	4/26/00
95-50-1	o-Dichlorobenzene	1	BDL	ug/L	0.4	524.2	4/26/00
156-60-5	trans-1,2-Dichloroethylene	1	BDL	ug/L	0.4	524.2	4/26/00
159-59-4	cis-1,2-Dichloroethylene	1	BDL	ug/L	0.4	524.2	4/26/00
78-87-5	1,2-Dichloropropane	1	BDL	ug/L	0.4	524.2	4/26/00
100-41-4	Ethylbenzene	1	0.5	ug/L	0.4	524.2	4/26/00
100-42-5	Styrene	1	BDL	ug/L	0.4	524.2	4/26/00
127-18-4	Tetrachloroethylene	1	BDL	ug/L	0.4	524.2	4/26/00
108-88-3	Toluene	1	BDL	ug/L	0.4	524.2	4/26/00
95-47-6	Xylenes (total)	1	2.2	ug/L	0.4	524.2	4/26/00
75-09-2	Dichloromethane	1	BDL	ug/L	0.4	524.2	4/26/00
120-82-1	1,2,4-Trichlorobenzene	1	BDL	ug/L	0.4	524.2	4/26/00
79-00-5	1,1,2-Trichloroethane	1	BDL	ug/L	0.4	524.2	4/26/00
67-66-3	Chloroform	1	BDL	ug/L	0.4	524.2	4/26/00
75-27-4	Bromodichloromethane	1	BDL	ug/L	0.4	524.2	4/26/00

QC Office: _____ Date: 05/05/00

Revet Environmental & Analytical Laboratories, Inc.

RevetID: 5759
Client ID: L 14

CAS #	Compound	Dilution Factor	Result	Units	Detection Limit	Method	Date Run
124-48-1	Chlorodibromomethane	1	BDL	ug/L	0.4	524.2	4/26/00
75-25-2	Bromoform	1	BDL	ug/L	0.4	524.2	4/26/00
541-73-1	m-Dichlorobenzene	1	BDL	ug/L	0.4	524.2	4/26/00
74-95-3	Dibromomethane	1	BDL	ug/L	0.4	524.2	4/26/00
563-58-6	1,1-Dichloropropene	1	BDL	ug/L	0.4	524.2	4/26/00
75-34-3	1,1-Dichloroethane	1	BDL	ug/L	0.4	524.2	4/26/00
79-34-5	1,1,2,2-Tetrachloroethane	1	BDL	ug/L	0.4	524.2	4/26/00
142-28-9	1,3-Dichloropropane	1	BDL	ug/L	0.4	524.2	4/26/00
74-87-3	Chloromethane	1	BDL	ug/L	0.4	524.2	4/26/00
74-83-9	Bromomethane	1	BDL	ug/L	0.4	524.2	4/26/00
96-18-4	1,2,3-Trichloropropane	1	BDL	ug/L	0.4	524.2	4/26/00
630-20-6	1,1,1,2-Tetrachloroethane	1	BDL	ug/L	0.4	524.2	4/26/00
75-00-3	Chloroethane	1	BDL	ug/L	0.4	524.2	4/26/00
590-20-7	2,2-Dichloropropane	1	BDL	ug/L	0.4	524.2	4/26/00
95-49-8	o-Chlorotoluene	1	BDL	ug/L	0.4	524.2	4/26/00
106-43-4	p-Chlorotoluene	1	BDL	ug/L	0.4	524.2	4/26/00
108-86-1	Bromobenzene	1	BDL	ug/L	0.4	524.2	4/26/00
542-75-6	1,3-Dichloropropene	1	BDL	ug/L	0.4	524.2	4/26/00
95-63-6	1,2,4-Trimethylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
87-61-6	1,2,3-Trichlorobenzene	1	BDL	ug/L	0.4	524.2	4/26/00
103-65-1	n-Propylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
104-51-8	n-Butylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
91-20-3	Naphthalene	1	BDL	ug/L	0.4	524.2	4/26/00
87-63-3	Hexachlorobutadiene	1	BDL	ug/L	0.4	524.2	4/26/00
108-67-8	1,3,5-Trimethylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
99-87-6	p-Isopropyltoluene	1	BDL	ug/L	0.4	524.2	4/26/00
98-82-8	Isopropylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
98-06-6	Tert-butylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
135-98-8	Sec-butylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
75-69-4	Fluorotrichloromethane	1	BDL	ug/L	0.4	524.2	4/26/00
75-71-8	Dichlorodifluoromethane	1	BDL	ug/L	0.4	524.2	4/26/00
74-97-5	Bromochloromethane	1	BDL	ug/L	0.4	524.2	4/26/00
1634-04-4	Methyl tert butyl ether	1	BDL	ug/L	0.4	524.2	4/26/00
7782-49-2	Selenium	1	BDL	mg/L	0.01	200.7	4/24/00
Surrogate	4-bromofluorobenzene	1	100%	Accep. 80-120		524.2	4/26/00
Surrogate	1,2-dichlorobenzene-d4	1	107%	Accep. 80-120		524.2	4/26/00

BDL=Below Detection Limit. Sample detection limits are always equal to the detection limit multiplied by the dilution.

Comments: #Analyzed by MA certified lab MA048.

QC Office: _____ Date: 05/05/00

Revet Environmental & Analytical Laboratories, Inc.
181 Cedar Hill Street Marlborough,
MA 01752-3000
Phone: (508) 460-7600
FAX: (508) 460-7777
Massachusetts Certification M-MA082

Client Name: *Acton Engineering*
Contact: *Corey York*
Revet Account: *N2809*
PO/Project: *139266 Forest Rd LF*
Revet ID: *5760*
Client ID: *L 15*
Login Date: *4/14/00*
Date Sampled: *4/13/00*
Matrix: *Water*
Sampler: CY

Certificate of Analysis

CAS #	Compound	Dilution Factor	Result	Units	Detection Limit	Method	Date Run
7440-38-2	Arsenic	1	0.256	mg/L	0.02	200.7	4/25/00
7440-39-3	Barium	1	0.604	mg/L	0.001	200.7	4/25/00
7440-43-9	Cadmium	1	0.016	mg/L	0.001	200.7	4/25/00
7440-47-3	Chromium	1	0.08	mg/L	0.01	200.7	4/25/00
7439-89-6	Iron	1	194	mg/L	0.01	200.7	4/25/00
7439-92-1	Lead	1	0.081	mg/L	0.05	200.7	4/25/00
7439-95-4	Manganese	1	1.78	mg/L	0.001	200.7	4/25/00
7439-97-6	Mercury	1	BDL	mg/L	0.0002	245.1	4/28/00
7782-49-2	Selenium	1	BDL	mg/L	0.01	200.7	4/25/00
7440-22-4	Silver	1	BDL	mg/L	0.004	200.7	4/25/00
7440-23-5	Sodium	1	128	mg/L	0.39	200.7	4/25/00
-	Alkalinity	1	404.5	mg/L CaCO3	10	2320B	4/14/00
-	Ammonia-N	1	27.6	mg/L	0.05	350.3	4/20/00
-	Chloride	1	134	mg/L	10	ASTM D512	4/20/00
-	Nitrate-N	1	1.76	mg/L	0.1	4500-NO3-D	4/14/00
-	Sulfate#	1	12.3	mg/L	0.1	300.0	4/18/00
-	TDS	1	302	mg/L	10	2540C	4/18/00
71-43-2	Benzene	1	4.9	ug/L	0.4	524.2	4/26/00
56-23-5	Carbon Tetrachloride	1	BDL	ug/L	0.4	524.2	4/26/00
75-35-4	1,1-Dichloroethylene	1	BDL	ug/L	0.4	524.2	4/26/00
107-06-2	1,2-Dichloroethane	1	BDL	ug/L	0.4	524.2	4/26/00
106-46-7	para-Dichlorobenzene	1	1.9	ug/L	0.4	524.2	4/26/00
79-01-6	Trichloroethylene	1	BDL	ug/L	0.4	524.2	4/26/00
71-55-6	1,1,1-Trichloroethane	1	BDL	ug/L	0.4	524.2	4/26/00
75-01-4	Vinyl Chloride	1	BDL	ug/L	0.4	524.2	4/26/00
108-90-7	Monochlorobenzene	1	1.7	ug/L	0.4	524.2	4/26/00
95-50-1	o-Dichlorobenzene	1	BDL	ug/L	0.4	524.2	4/26/00
156-60-5	trans-1,2-Dichloroethylene	1	BDL	ug/L	0.4	524.2	4/26/00
159-59-4	cis-1,2-Dichloroethylene	1	BDL	ug/L	0.4	524.2	4/26/00
78-87-5	1,2-Dichloropropane	1	BDL	ug/L	0.4	524.2	4/26/00
100-41-4	Ethylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
100-42-5	Styrene	1	BDL	ug/L	0.4	524.2	4/26/00
127-18-4	Tetrachloroethylene	1	BDL	ug/L	0.4	524.2	4/26/00
108-88-3	Toluene	1	BDL	ug/L	0.4	524.2	4/26/00
95-47-6	Xylenes (total)	1	BDL	ug/L	0.4	524.2	4/26/00
75-09-2	Dichloromethane	1	BDL	ug/L	0.4	524.2	4/26/00
120-82-1	1,2,4-Trichlorobenzene	1	BDL	ug/L	0.4	524.2	4/26/00
79-00-5	1,1,2-Trichloroethane	1	BDL	ug/L	0.4	524.2	4/26/00
67-66-3	Chloroform	1	BDL	ug/L	0.4	524.2	4/26/00
75-27-4	Bromodichloromethane	1	BDL	ug/L	0.4	524.2	4/26/00

QC Office: _____ Date 05/05/00

Revet Environmental & Analytical Laboratories, Inc.

RevetID: 5760
Client ID: L 15

CAS #	Compound	Dilution Factor	Result	Units	Detection Limit	Method	Date Run
124-48-1	Chlorodibromomethane	1	BDL	ug/L	0.4	524.2	4/26/00
75-25-2	Bromoform	1	BDL	ug/L	0.4	524.2	4/26/00
541-73-1	m-Dichlorobenzene	1	BDL	ug/L	0.4	524.2	4/26/00
74-95-3	Dibromomethane	1	BDL	ug/L	0.4	524.2	4/26/00
563-58-6	1,1-Dichloropropene	1	BDL	ug/L	0.4	524.2	4/26/00
75-34-3	1,1-Dichloroethane	1	BDL	ug/L	0.4	524.2	4/26/00
79-34-5	1,1,2,2-Tetrachloroethane	1	BDL	ug/L	0.4	524.2	4/26/00
142-28-9	1,3-Dichloropropane	1	BDL	ug/L	0.4	524.2	4/26/00
74-87-3	Chloromethane	1	BDL	ug/L	0.4	524.2	4/26/00
74-83-9	Bromomethane	1	BDL	ug/L	0.4	524.2	4/26/00
96-18-4	1,2,3-Trichloropropane	1	BDL	ug/L	0.4	524.2	4/26/00
630-20-6	1,1,1,2-Tetrachloroethane	1	BDL	ug/L	0.4	524.2	4/26/00
75-00-3	Chloroethane	1	BDL	ug/L	0.4	524.2	4/26/00
590-20-7	2,2-Dichloropropane	1	BDL	ug/L	0.4	524.2	4/26/00
95-49-8	o-Chlorotoluene	1	BDL	ug/L	0.4	524.2	4/26/00
106-43-4	p-Chlorotoluene	1	BDL	ug/L	0.4	524.2	4/26/00
108-86-1	Bromobenzene	1	BDL	ug/L	0.4	524.2	4/26/00
542-75-6	1,3-Dichloropropene	1	BDL	ug/L	0.4	524.2	4/26/00
95-63-6	1,2,4-Trimethylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
87-61-6	1,2,3-Trichlorobenzene	1	BDL	ug/L	0.4	524.2	4/26/00
103-65-1	n-Propylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
104-51-8	n-Butylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
91-20-3	Naphthalene	1	BDL	ug/L	0.4	524.2	4/26/00
87-63-3	Hexachlorobutadiene	1	BDL	ug/L	0.4	524.2	4/26/00
108-67-8	1,3,5-Trimethylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
99-87-6	p-Isopropyltoluene	1	BDL	ug/L	0.4	524.2	4/26/00
98-82-8	Isopropylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
98-06-6	Tert-butylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
135-98-8	Sec-butylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
75-69-4	Fluorotrichloromethane	1	BDL	ug/L	0.4	524.2	4/26/00
75-71-8	Dichlorodifluoromethane	1	BDL	ug/L	0.4	524.2	4/26/00
74-97-5	Bromochloromethane	1	BDL	ug/L	0.4	524.2	4/26/00
1634-04-4	Methyl tert butyl ether	1	BDL	ug/L	0.4	524.2	4/26/00
-	Phenols#	1	BDL	mg/L	0.05	420.1	5/1/00
Surrogate	4-bromofluorobenzene	1	127*%	Accep. 80-120		524.2	4/26/00
Surrogate	1,2-dichlorobenzene-d4	1	129*%	Accep. 80-120		524.2	4/26/00

BDL=Below Detection Limit. Sample detection limits are always equal to the detection limit multiplied by the dilution.

Comments: #Analyzed by MA certified lab MA048.

QC Office: N Taylor Date 05/05/00

Revet Environmental & Analytical Laboratories, Inc.
181 Cedar Hill Street Marlborough,
MA 01752-3000
Phone: (508) 460-7600
FAX: (508) 460-7777
Massachusetts Certification M-MA082

Client Name: *Acton Engineering* Contact: *Corey York*
Revet Account: *N2809* PO/Project: *139266 Forest Rd LF*
Revet ID: *5761* Client ID: *S 8*
Login Date: *4/14/00* Date Sampled: *4/13/00*
Matrix: *Water* Sampler: CY

Certificate of Analysis

CAS #	Compound	Dilution Factor	Result	Units	Detection Limit	Method	Date Run
7440-38-2	Arsenic	1	BDL	mg/L	0.02	200.7	4/25/00
7440-39-3	Barium	1	0.025	mg/L	0.001	200.7	4/25/00
7440-43-9	Cadmium	1	BDL	mg/L	0.001	200.7	4/25/00
7440-47-3	Chromium	1	BDL	mg/L	0.01	200.7	4/25/00
7439-89-6	Iron	1	0.607	mg/L	0.01	200.7	4/25/00
7439-92-1	Lead	1	BDL	mg/L	0.05	200.7	4/25/00
7439-95-4	Manganese	1	0.095	mg/L	0.001	200.7	4/25/00
7439-97-6	Mercury	1	BDL	mg/L	0.0002	245.1	4/28/00
7782-49-2	Selenium	1	BDL	mg/L	0.01	200.7	4/25/00
7440-22-4	Silver	1	BDL	mg/L	0.004	200.7	4/25/00
7440-23-5	Sodium	1	63.8	mg/L	0.39	200.7	4/25/00
-	Alkalinity	1	19.26	mg/L CaCO3	10	2320B	4/14/00
-	Ammonia-N	1	0.37	mg/L	0.05	350.3	4/20/00
-	Chloride	1	118	mg/L	10	ASTM D512	4/20/00
-	Nitrate-N	1	2.24	mg/L	0.1	4500-NO3-D	4/14/00
-	TDS	1	535	mg/L	10	2540C	4/18/00
-	Sulfate#	1	12.9	mg/L	0.01	300.0	4/18/00
71-43-2	Benzene	1	BDL	ug/L	0.4	524.2	4/26/00
56-23-5	Carbon Tetrachloride	1	BDL	ug/L	0.4	524.2	4/26/00
75-35-4	1,1-Dichloroethylene	1	BDL	ug/L	0.4	524.2	4/26/00
107-06-2	1,2-Dichloroethane	1	BDL	ug/L	0.4	524.2	4/26/00
106-46-7	para-Dichlorobenzene	1	BDL	ug/L	0.4	524.2	4/26/00
79-01-6	Trichloroethylene	1	BDL	ug/L	0.4	524.2	4/26/00
71-55-6	1,1,1-Trichloroethane	1	BDL	ug/L	0.4	524.2	4/26/00
75-01-4	Vinyl Chloride	1	BDL	ug/L	0.4	524.2	4/26/00
108-90-7	Monochlorobenzene	1	BDL	ug/L	0.4	524.2	4/26/00
95-50-1	o-Dichlorobenzene	1	BDL	ug/L	0.4	524.2	4/26/00
156-60-5	trans-1,2-Dichloroethylene	1	BDL	ug/L	0.4	524.2	4/26/00
159-59-4	cis-1,2-Dichloroethylene	1	BDL	ug/L	0.4	524.2	4/26/00
78-87-5	1,2-Dichloropropane	1	BDL	ug/L	0.4	524.2	4/26/00
100-41-4	Ethylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
100-42-5	Styrene	1	BDL	ug/L	0.4	524.2	4/26/00
127-18-4	Tetrachloroethylene	1	BDL	ug/L	0.4	524.2	4/26/00
108-88-3	Toluene	1	BDL	ug/L	0.4	524.2	4/26/00
95-47-6	Xylenes (total)	1	BDL	ug/L	0.4	524.2	4/26/00
75-09-2	Dichloromethane	1	BDL	ug/L	0.4	524.2	4/26/00
120-82-1	1,2,4-Trichlorobenzene	1	BDL	ug/L	0.4	524.2	4/26/00
79-00-5	1,1,2-Trichloroethane	1	BDL	ug/L	0.4	524.2	4/26/00
67-66-3	Chloroform	1	BDL	ug/L	0.4	524.2	4/26/00
75-27-4	Bromodichloromethane	1	BDL	ug/L	0.4	524.2	4/26/00

QC Office: _____ Date: 05/05/00

Revet Environmental & Analytical Laboratories, Inc.

RevetID: 5761

Client ID: S 8

CAS #	Compound	Dilution Factor	Result	Units	Detection Limit	Method	Date Run
124-48-1	Chlorodibromomethane	1	BDL	ug/L	0.4	524.2	4/26/00
75-25-2	Bromoform	1	BDL	ug/L	0.4	524.2	4/26/00
541-73-1	m-Dichlorobenzene	1	BDL	ug/L	0.4	524.2	4/26/00
74-95-3	Dibromomethane	1	BDL	ug/L	0.4	524.2	4/26/00
563-58-6	1,1-Dichloropropene	1	BDL	ug/L	0.4	524.2	4/26/00
75-34-3	1,1-Dichloroethane	1	BDL	ug/L	0.4	524.2	4/26/00
79-34-5	1,1,2,2-Tetrachloroethane	1	BDL	ug/L	0.4	524.2	4/26/00
142-28-9	1,3-Dichloropropane	1	BDL	ug/L	0.4	524.2	4/26/00
74-87-3	Chloromethane	1	BDL	ug/L	0.4	524.2	4/26/00
74-83-9	Bromomethane	1	BDL	ug/L	0.4	524.2	4/26/00
96-18-4	1,2,3-Trichloropropane	1	BDL	ug/L	0.4	524.2	4/26/00
630-20-6	1,1,1,2-Tetrachloroethane	1	BDL	ug/L	0.4	524.2	4/26/00
75-00-3	Chloroethane	1	BDL	ug/L	0.4	524.2	4/26/00
590-20-7	2,2-Dichloropropane	1	BDL	ug/L	0.4	524.2	4/26/00
95-49-8	o-Chlorotoluene	1	BDL	ug/L	0.4	524.2	4/26/00
106-43-4	p-Chlorotoluene	1	BDL	ug/L	0.4	524.2	4/26/00
108-86-1	Bromobenzene	1	BDL	ug/L	0.4	524.2	4/26/00
542-75-6	1,3-Dichloropropene	1	BDL	ug/L	0.4	524.2	4/26/00
95-63-6	1,2,4-Trimethylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
87-61-6	1,2,3-Trichlorobenzene	1	BDL	ug/L	0.4	524.2	4/26/00
103-65-1	n-Propylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
104-51-8	n-Butylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
91-20-3	Naphthalene	1	BDL	ug/L	0.4	524.2	4/26/00
87-63-3	Hexachlorobutadiene	1	BDL	ug/L	0.4	524.2	4/26/00
108-67-8	1,3,5-Trimethylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
99-87-6	p-Isopropyltoluene	1	BDL	ug/L	0.4	524.2	4/26/00
98-82-8	Isopropylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
98-06-6	Tert-butylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
135-98-8	Sec-butylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
75-69-4	Fluorotrichloromethane	1	BDL	ug/L	0.4	524.2	4/26/00
75-71-8	Dichlorodifluoromethane	1	BDL	ug/L	0.4	524.2	4/26/00
74-97-5	Bromochloromethane	1	BDL	ug/L	0.4	524.2	4/26/00
1634-04-4	Methyl tert butyl ether	1	0.5	ug/L	0.4	524.2	4/26/00
Surrogate	4-bromofluorobenzene	1	92%	Accep. 80-120		524.2	4/26/00
Surrogate	1,2-dichlorobenzene-d4	1	88%	Accep. 80-120		524.2	4/26/00

BDL=Below Detection Limit. Sample detection limits are always equal to the detection limit multiplied by the dilution.

Comments: #Analyzed by MA certified lab MA048.

QC Office: O. Taylor Date: 05/05/00

TOWN OF ACTON
472 Main Street
Acton, Massachusetts, 01720
Telephone (978) 264-9628
Fax (978) 264-9630

Engineering Department

August 29, 2001

Ms. Cheryl Poirier
Massachusetts Department of Environmental Protection
75 Grove Street
Worcester, Massachusetts 01605

Dear Ms. Poirier:

Please find attached the groundwater analyses of wells at the former Acton Landfill. The Acton Engineering Department collected the groundwater samples on April 19, 20 and 23, 2001. Microbac Laboratories performed the lab work between April 26 and June 5, 2001.

If you should require any additional information or have any questions, please contact me at (978) 264-9628.

Very Truly Yours,

Corey S. York
Engineering Assistant

csy

200

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CERTIFICATE OF ANALYSIS

ACTON WATER DEPARTMENT

693 MASS AVENUE
ACTON, MA 01720

Date Reported: 6/18/01
Sample ID: 9928-00831
Date Received: 4/24/01
Sampled by: CUSTOMER

PARAMETERS	RESULTS	DATE	TECH	METHOD
SITE #L-11, GROUND WATER, 4/24/01.				
Chloride	383.6 mg/l	4/27/01	LC	4500-CL-B
Nitrate	1.0 mg/l	4/26/01	LC	SM 4500-NO3-E
Ammonia	0.4 mg/l	5/09/01	HL	4500-NH3-D
Alkalinity as CaCO3	<10 mg CaCO3/l	5/03/01	HL	2320B
Total Dissolved Solids	700 mg/l	4/30/01	MC	2540C
Iron	75.6 mg/l	5/02/01	DK	200.7
Manganese	1.69 mg/l	5/02/01	DK	200.7
Sulfate	8.6 mg/l	4/26/01	LC	4500-SO4 D.
Sodium	228 mg/l	5/02/01	DK	200.7
Arsenic	0.325 mg/l	5/02/01	DK	200.7
Barium	0.090 mg/l	5/02/01	DK	200.7
Chromium	0.023 mg/l	5/02/01	DK	200.7
Cadmium	0.014 mg/l	5/08/01	DK	200.7
Lead	0.018 mg/l	5/04/01	NB	SM3113B
Mercury	<0.0002 mg/l	5/04/01	DK	245.1
Selenium	0.002 mg/l	6/05/01	NB	200.9
Silver	<0.003 mg/l	5/02/01	DK	200.7
Volatile Organics		5/05/01	HL	624
Benzene	<1 ug/l	5/05/01	HL	624
Bromodichloromethane	<1 ug/l	5/05/01	HL	624
Bromoform	<1 ug/l	5/05/01	HL	624
Bromomethane	<5 ug/l	5/05/01	HL	624
Carbon Tetrachloride	<1 ug/l	5/05/01	HL	624
Chlorobenzene	<1 ug/l	5/05/01	HL	624
Chloroethane	<1 ug/l	5/05/01	HL	624
2-Chloroethylvinylether	<5 ug/l	5/05/01	HL	624
Chloroform	<1 ug/l	5/05/01	HL	624
Chloromethane	<1 ug/l	5/05/01	HL	624
Dibromochloromethane	<1 ug/l	5/05/01	HL	624
1,2-Dichlorobenzene	<1 ug/l	5/05/01	HL	624
1,3-Dichlorobenzene	<1 ug/l	5/05/01	HL	624
1,4-Dichlorobenzene	<1 ug/l	5/05/01	HL	624
1,1-Dichloroethane	<1 ug/l	5/05/01	HL	624

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ACTON, MA 01720

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Sample ID: 9928-00831
Date Received: 4/24/01
Sampled by: CUSTOMER

PARAMETERS	RESULTS	DATE	TECH	METHOD
SITE #L-11, GROUND WATER, 4/24/01.				
1,2-Dichloroethane	<1 ug/l	5/05/01	HL	624
1,1-Dichloroethylene	<1 ug/l	5/05/01	HL	624
trans-1,2-Dichloroethene	<1 ug/l	5/05/01	HL	624
1,2-Dichloropropane	<1 ug/l	5/05/01	HL	624
cis-1,3-Dichloropropene	<1 ug/l	5/05/01	HL	624
trans-1,3-Dichloropropene	<1 ug/l	5/05/01	HL	624
Ethylbenzene	<1 ug/l	5/05/01	HL	624
Methylene Chloride	<1 ug/l	5/05/01	HL	624
Naphthalene	<1 ug/l	5/05/01	HL	624
1,1,2,2-Tetrachloroethane	<1 ug/l	5/05/01	HL	624
Tetrachloroethylene	<1 ug/l	5/05/01	HL	624
Toluene	<1 ug/l	5/05/01	HL	624
1,2,4 - Trichlorobenzene	<1 ug/l	5/05/01	HL	624
1,1,1-Trichloroethane	<1 ug/l	5/05/01	HL	624
1,1,2-Trichloroethane	<1 ug/l	5/05/01	HL	624
Trichloroethylene	<1 ug/l	5/05/01	HL	624
Trichlorofluoromethane	<1 ug/l	5/05/01	HL	624
Vinyl Chloride	<10 ug/l	5/05/01	HL	624
Total Xylenes	<1 ug/l	5/05/01	HL	624
Carbon Disulfide	<1 ug/l	5/05/01	HL	624
Vinyl Acetate	<10 ug/l	5/05/01	HL	624
Styrene	<1 ug/l	5/05/01	HL	624
Toluene D8	93 % Recovery	5/05/01	HL	624
p-Bromofluorobenzene	103 % Recovery	5/05/01	HL	624
1,2-Dichloroethane D4	100 % Recovery	5/05/01	HL	624
Dibromofluoromethane	93 % Recovery	5/05/01	HL	624
SITE #L-14, GROUND WATER, 4/24/01.				
Chloride	162.8 mg/l	4/27/01	LC	4500-CL-B
Nitrate	0.3 mg/l	4/26/01	LC	SM 4500-NO3-E
Ammonia	<0.2 mg/l	5/09/01	HL	4500-NH3-D
Alkalinity as CaCO3	14.8 mg CaCO3/l	5/03/01	HL	2320B

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ACTON, MA 01720

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Sample ID: 9928-00831
Date Received: 4/24/01
Sampled by: CUSTOMER

PARAMETERS	RESULTS	DATE	TECH	METHOD
SITE #L-14, GROUND WATER, 4/24/01.				
Total Dissolved Solids	250 mg/l	4/30/01	MC	2540C
Iron	2.04 mg/l	5/02/01	DK	200.7
Manganese	0.365 mg/l	5/02/01	DK	200.7
Sulfate	9.8 mg/l	4/26/01	LC	4500-SO4 D.
Sodium	91.1 mg/l	5/02/01	DK	200.7
Arsenic	<0.004 mg/l	5/04/01	NB	200.9
Barium	0.089 mg/l	5/02/01	DK	200.7
Chromium	0.036 mg/l	5/02/01	DK	200.7
Cadmium	0.007 mg/l	5/08/01	DK	200.7
Lead	0.010 mg/l	5/04/01	NB	SM3113B
Mercury	<0.0002 mg/l	5/04/01	DK	245.1
Selenium	0.002 mg/l	6/05/01	NB	200.9
Silver	<0.003 mg/l	5/02/01	DK	200.7
Total Phenol	0.03 mg/l	5/01/01	SUB	5530-C
Volatile Organics		5/05/01	HL	624
Benzene	<1 ug/l	5/05/01	HL	624
Bromodichloromethane	<1 ug/l	5/05/01	HL	624
Bromoform	<1 ug/l	5/05/01	HL	624
Bromomethane	<5 ug/l	5/05/01	HL	624
Carbon Tetrachloride	<1 ug/l	5/05/01	HL	624
Chlorobenzene	<1 ug/l	5/05/01	HL	624
Chloroethane	<1 ug/l	5/05/01	HL	624
2-Chloroethylvinylether	<5 ug/l	5/05/01	HL	624
Chloroform	<1 ug/l	5/05/01	HL	624
Chloromethane	<1 ug/l	5/05/01	HL	624
Dibromochloromethane	<1 ug/l	5/05/01	HL	624
1,2-Dichlorobenzene	<1 ug/l	5/05/01	HL	624
1,3-Dichlorobenzene	<1 ug/l	5/05/01	HL	624
1,4-Dichlorobenzene	<1 ug/l	5/05/01	HL	624
1,1-Dichloroethane	<1 ug/l	5/05/01	HL	624
1,2-Dichloroethane	<1 ug/l	5/05/01	HL	624
1,1-Dichloroethylene	<1 ug/l	5/05/01	HL	624
trans-1,2-Dichloroethene	<1 ug/l	5/05/01	HL	624

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PARAMETERS	RESULTS	DATE	TECH	METHOD
SITE #L-14, GROUND WATER, 4/24/01.				
1,2-Dichloropropane	<1 ug/l	5/05/01	HL	624
cis-1,3-Dichloropropene	<1 ug/l	5/05/01	HL	624
trans-1,3-Dichloropropene	<1 ug/l	5/05/01	HL	624
Ethylbenzene	2.2 ug/l	5/05/01	HL	624
Methylene Chloride	<1 ug/l	5/05/01	HL	624
Naphthalene	1.1 ug/l	5/05/01	HL	624
1,1,2,2-Tetrachloroethane	<1 ug/l	5/05/01	HL	624
Tetrachloroethylene	<1 ug/l	5/05/01	HL	624
Toluene	<1 ug/l	5/05/01	HL	624
1,2,4 - Trichlorobenzene	<1 ug/l	5/05/01	HL	624
1,1,1-Trichloroethane	<1 ug/l	5/05/01	HL	624
1,1,2-Trichloroethane	<1 ug/l	5/05/01	HL	624
Trichloroethylene	<1 ug/l	5/05/01	HL	624
Trichlorofluoromethane	<1 ug/l	5/05/01	HL	624
Vinyl Chloride	<10 ug/l	5/05/01	HL	624
Total Xylenes	10 ug/l	5/05/01	HL	624
Carbon Disulfide	<1 ug/l	5/05/01	HL	624
Vinyl Acetate	<10 ug/l	5/05/01	HL	624
Styrene	<1 ug/l	5/05/01	HL	624
Toluene D8	93 % Recovery	5/05/01	HL	624
p-Bromofluorobenzene	101 % Recovery	5/05/01	HL	624
1,2-Dichloroethane D4	99 % Recovery	5/05/01	HL	624
Dibromofluoromethane	94 % Recovery	5/05/01	HL	624
SITE #L-15, GROUND WATER, 4/24/01.				
Chloride	196.8 mg/l	4/27/01	LC	4500-CL-B
Nitrate	0.5 mg/l	4/26/01	LC	SM 4500-NO3-E
Ammonia	13 mg/l	5/09/01	HL	4500-NH3-D
Alkalinity as CaCO3	263 mg CaCO3/l	5/03/01	HL	2320B
Total Dissolved Solids	699 mg/l	4/30/01	MC	2540C
Iron	155 mg/l	5/02/01	DK	200.7
Manganese	1.73 mg/l	5/02/01	DK	200.7

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ACTON WATER DEPARTMENT

693 MASS AVENUE
ACTON, MA 01720

Date Reported: 6/18/01
Sample ID: 9928-00831
Date Received: 4/24/01
Sampled by: CUSTOMER

PARAMETERS	RESULTS	DATE	TECH	METHOD
SITE #L-15, GROUND WATER, 4/24/01.				
Sulfate	14.4 mg/l	4/26/01	LC	4500-SO4 D.
Sodium	102 mg/l	5/02/01	DK	200.7
Arsenic	0.237 mg/l	5/02/01	DK	200.7
Barium	0.507 mg/l	5/02/01	DK	200.7
Chromium	0.093 mg/l	5/02/01	DK	200.7
Cadmium	0.016 mg/l	5/08/01	DK	200.7
Lead	0.056 mg/l	5/04/01	NB	SM3113B
Mercury	<0.0002 mg/l	5/04/01	DK	245.1
Selenium	0.004 mg/l	6/05/01	NB	200.9
Silver	<0.003 mg/l	5/02/01	DK	200.7
Total Phenol	<0.03 mg/l	5/01/01	SUB	5530-C
Volatile Organics		5/04/01	HL	624
Benzene	3.4 ug/l	5/04/01	HL	624
Bromodichloromethane	<1 ug/l	5/04/01	HL	624
Bromoform	<1 ug/l	5/04/01	HL	624
Bromomethane	<5 ug/l	5/04/01	HL	624
Carbon Tetrachloride	<1 ug/l	5/04/01	HL	624
Chlorobenzene	1.3 ug/l	5/04/01	HL	624
Chloroethane	1.3 ug/l	5/04/01	HL	624
2-Chloroethylvinylether	<5 ug/l	5/04/01	HL	624
Chloroform	<1 ug/l	5/04/01	HL	624
Chloromethane	<1 ug/l	5/04/01	HL	624
Dibromochloromethane	<1 ug/l	5/04/01	HL	624
1,2-Dichlorobenzene	<1 ug/l	5/04/01	HL	624
1,3-Dichlorobenzene	<1 ug/l	5/04/01	HL	624
1,4-Dichlorobenzene	3.5 ug/l	5/04/01	HL	624
1,1-Dichloroethane	<1 ug/l	5/04/01	HL	624
1,2-Dichloroethane	<1 ug/l	5/04/01	HL	624
1,1-Dichloroethylene	<1 ug/l	5/04/01	HL	624
trans-1,2-Dichloroethene	<1 ug/l	5/04/01	HL	624
1,2-Dichloropropane	<1 ug/l	5/04/01	HL	624
cis-1,3-Dichloropropene	<1 ug/l	5/04/01	HL	624
trans-1,3-Dichloropropene	<1 ug/l	5/04/01	HL	624

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PARAMETERS	RESULTS	DATE	TECH	METHOD
SITE #L-15, GROUND WATER, 4/24/01.				
Ethylbenzene	11 ug/l	5/04/01	HL	624
Methylene Chloride	<1 ug/l	5/04/01	HL	624
Naphthalene	<1 ug/l	5/04/01	HL	624
1,1,2,2-Tetrachloroethane	<1 ug/l	5/04/01	HL	624
Tetrachloroethylene	<1 ug/l	5/04/01	HL	624
Toluene	<1 ug/l	5/04/01	HL	624
1,2,4 - Trichlorobenzene	<1 ug/l	5/04/01	HL	624
1,1,1-Trichloroethane	<1 ug/l	5/04/01	HL	624
1,1,2-Trichloroethane	<1 ug/l	5/04/01	HL	624
Trichloroethylene	<1 ug/l	5/04/01	HL	624
Trichlorofluoromethane	<1 ug/l	5/04/01	HL	624
Vinyl Chloride	<10 ug/l	5/04/01	HL	624
Total Xylenes	69 ug/l	5/04/01	HL	624
Carbon Disulfide	<1 ug/l	5/04/01	HL	624
Vinyl Acetate	<10 ug/l	5/04/01	HL	624
Styrene	<1 ug/l	5/04/01	HL	624
Toluene D8	93 % Recovery	5/04/01	HL	624
p-Bromofluorobenzene	103 % Recovery	5/04/01	HL	624
1,2-Dichloroethane D4	102 % Recovery	5/04/01	HL	624
Dibromofluoromethane	93 % Recovery	5/04/01	HL	624
SITE #L-13, GROUND WATER, 4/24/01.				
Chloride	112.2 mg/l	4/27/01	LC	4500-CL-B
Nitrate	0.2 mg/l	4/26/01	LC	SM 4500-NO3-E
Ammonia	20 mg/l	5/23/01	HL	4500-NH3-D
Alkalinity as CaCO3	484 mg CaCO3/l	5/03/01	HL	2320B
Total Dissolved Solids	634 mg/l	4/30/01	MC	2540C
Iron	85.2 mg/l	5/02/01	DK	200.7
Manganese	1.29 mg/l	5/02/01	DK	200.7
Sulfate	<4.0 mg/l	4/26/01	LC	4500-SO4 D.
Sodium	72.3 mg/l	5/02/01	DK	200.7
Arsenic	0.120 mg/l	5/02/01	DK	200.7

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PARAMETERS	RESULTS	DATE	TECH	METHOD
SITE #L-13, GROUND WATER, 4/24/01.				
Barium	0.180 mg/l	5/02/01	DK	200.7
Chromium	0.035 mg/l	5/02/01	DK	200.7
Cadmium	0.005 mg/l	5/08/01	DK	200.7
Lead	0.023 mg/l	5/04/01	NB	SM3113B
Mercury	<0.0002 mg/l	5/04/01	DK	245.1
Selenium	<0.002 mg/l	6/05/01	NB	200.9
Silver	<0.003 mg/l	5/02/01	DK	200.7
Volatile Organics		5/04/01	HL	624
Benzene	2.3 ug/l	5/04/01	HL	624
Bromodichloromethane	<1 ug/l	5/04/01	HL	624
Bromoform	<1 ug/l	5/04/01	HL	624
Bromomethane	<5 ug/l	5/04/01	HL	624
Carbon Tetrachloride	<1 ug/l	5/04/01	HL	624
Chlorobenzene	21 ug/l	5/04/01	HL	624
Chloroethane	4.5 ug/l	5/04/01	HL	624
2-Chloroethylvinylether	<5 ug/l	5/04/01	HL	624
Chloroform	<1 ug/l	5/04/01	HL	624
Chloromethane	<1 ug/l	5/04/01	HL	624
Dibromochloromethane	<1 ug/l	5/04/01	HL	624
1,2-Dichlorobenzene	2.3 ug/l	5/04/01	HL	624
1,3-Dichlorobenzene	<1 ug/l	5/04/01	HL	624
1,4-Dichlorobenzene	1.7 ug/l	5/04/01	HL	624
1,1-Dichloroethane	<1 ug/l	5/04/01	HL	624
1,2-Dichloroethane	<1 ug/l	5/04/01	HL	624
1,1-Dichloroethylene	<1 ug/l	5/04/01	HL	624
trans-1,2-Dichloroethene	<1 ug/l	5/04/01	HL	624
1,2-Dichloropropane	<1 ug/l	5/04/01	HL	624
cis-1,3-Dichloropropene	<1 ug/l	5/04/01	HL	624
trans-1,3-Dichloropropene	<1 ug/l	5/04/01	HL	624
Ethylbenzene	<1 ug/l	5/04/01	HL	624
Methylene Chloride	<1 ug/l	5/04/01	HL	624
Naphthalene	<1 ug/l	5/04/01	HL	624
1,1,2,2-Tetrachloroethane	<1 ug/l	5/04/01	HL	624

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CERTIFICATE OF ANALYSIS

ACTON WATER DEPARTMENT

693 MASS AVENUE
ACTON, MA 01720

Date Reported: 6/18/01
Sample ID: 9928-00831
Date Received: 4/24/01
Sampled by: CUSTOMER

PARAMETERS	RESULTS	DATE	TECH	METHOD
SITE #L-13, GROUND WATER, 4/24/01.				
Tetrachloroethylene	<1 ug/l	5/04/01	HL	624
Toluene	<1 ug/l	5/04/01	HL	624
1,2,4 - Trichlorobenzene	<1 ug/l	5/04/01	HL	624
1,1,1-Trichloroethane	<1 ug/l	5/04/01	HL	624
1,1,2-Trichloroethane	<1 ug/l	5/04/01	HL	624
Trichloroethylene	<1 ug/l	5/04/01	HL	624
Trichlorofluoromethane	<1 ug/l	5/04/01	HL	624
Vinyl Chloride	<10 ug/l	5/04/01	HL	624
Total Xylenes	<1 ug/l	5/04/01	HL	624
Carbon Disulfide	<1 ug/l	5/04/01	HL	624
Vinyl Acetate	<10 ug/l	5/04/01	HL	624
Styrene	<1 ug/l	5/04/01	HL	624
Toluene D8	93 % Recovery	5/04/01	HL	624
p-Bromofluorobenzene	101 % Recovery	5/04/01	HL	624
1,2-Dichloroethane D4	103 % Recovery	5/04/01	HL	624
Dibromofluoromethane	92 % Recovery	5/04/01	HL	624
SITE #L-12, GROUND WATER, 4/24/01.				
Chloride	322.0 mg/l	4/27/01	LC	4500-CL-B
Nitrate	0.4 mg/l	4/26/01	LC	SM 4500-NO3-E
Ammonia	<0.2 mg/l	5/23/01	HL	4500-NH3-D
Alkalinity as CaCO3	14.1 mg CaCO3/l	5/03/01	HL	2320B
Total Dissolved Solids	679 mg/l	4/30/01	MC	2540C
Iron	143 mg/l	5/02/01	DK	200.7
Manganese	1.26 mg/l	5/02/01	DK	200.7
Sulfate	41.0 mg/l	4/26/01	LC	4500-SO4 D.
Sodium	180 mg/l	5/02/01	DK	200.7
Arsenic	0.017 mg/l	5/02/01	DK	200.7
Barium	0.476 mg/l	5/02/01	DK	200.7
Chromium	0.119 mg/l	5/02/01	DK	200.7
Cadmium	0.004 mg/l	5/08/01	DK	200.7
Lead	0.076 mg/l	5/04/01	NB	SM3113B

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693 MASS AVENUE
ACTON, MA 01720

Date Reported: 6/18/01
Sample ID: 9928-00831
Date Received: 4/24/01
Sampled by: CUSTOMER

PARAMETERS	RESULTS	DATE	TECH	METHOD
SITE #L-12, GROUND WATER, 4/24/01.				
Mercury	<0.0002 mg/l	5/04/01	DK	245.1
Selenium	0.007 mg/l	6/05/01	NB	200.9
Silver	0.004 mg/l	5/02/01	DK	200.7
Volatile Organics		5/04/01	HL	624
Benzene	<1 ug/l	5/04/01	HL	624
Bromodichloromethane	<1 ug/l	5/04/01	HL	624
Bromoform	<1 ug/l	5/04/01	HL	624
Bromomethane	<5 ug/l	5/04/01	HL	624
Carbon Tetrachloride	<1 ug/l	5/04/01	HL	624
Chlorobenzene	<1 ug/l	5/04/01	HL	624
Chloroethane	<1 ug/l	5/04/01	HL	624
2-Chloroethylvinylether	<5 ug/l	5/04/01	HL	624
Chloroform	<1 ug/l	5/04/01	HL	624
Chloromethane	<1 ug/l	5/04/01	HL	624
Dibromochloromethane	<1 ug/l	5/04/01	HL	624
1,2-Dichlorobenzene	<1 ug/l	5/04/01	HL	624
1,3-Dichlorobenzene	<1 ug/l	5/04/01	HL	624
1,4-Dichlorobenzene	<1 ug/l	5/04/01	HL	624
1,1-Dichloroethane	<1 ug/l	5/04/01	HL	624
1,2-Dichloroethane	<1 ug/l	5/04/01	HL	624
1,1-Dichloroethylene	<1 ug/l	5/04/01	HL	624
trans-1,2-Dichloroethene	<1 ug/l	5/04/01	HL	624
1,2-Dichloropropane	<1 ug/l	5/04/01	HL	624
cis-1,3-Dichloropropene	<1 ug/l	5/04/01	HL	624
trans-1,3-Dichloropropene	<1 ug/l	5/04/01	HL	624
Ethylbenzene	<1 ug/l	5/04/01	HL	624
Methylene Chloride	<1 ug/l	5/04/01	HL	624
Naphthalene	<1 ug/l	5/04/01	HL	624
1,1,2,2-Tetrachloroethane	<1 ug/l	5/04/01	HL	624
Tetrachloroethylene	<1 ug/l	5/04/01	HL	624
Toluene	<1 ug/l	5/04/01	HL	624
1,2,4 - Trichlorobenzene	<1 ug/l	5/04/01	HL	624
1,1,1-Trichloroethane	<1 ug/l	5/04/01	HL	624

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ACTON WATER DEPARTMENT

693 MASS AVENUE
ACTON, MA 01720

Date Reported: 6/18/01
Sample ID: 9928-00831
Date Received: 4/24/01
Sampled by: CUSTOMER

PARAMETERS	RESULTS	DATE	TECH	METHOD
SITE #L-12, GROUND WATER, 4/24/01.				
1,1,2-Trichloroethane	<1 ug/l	5/04/01	HL	624
Trichloroethylene	<1 ug/l	5/04/01	HL	624
Trichlorofluoromethane	<1 ug/l	5/04/01	HL	624
Vinyl Chloride	<10 ug/l	5/04/01	HL	624
Total Xylenes	<1 ug/l	5/04/01	HL	624
Carbon Disulfide	<1 ug/l	5/04/01	HL	624
Vinyl Acetate	<10 ug/l	5/04/01	HL	624
Styrene	<1 ug/l	5/04/01	HL	624
Toluene D8	92 % Recovery	5/04/01	HL	624
p-Bromofluorobenzene	101 % Recovery	5/04/01	HL	624
1,2-Dichloroethane D4	103 % Recovery	5/04/01	HL	624
Dibromofluoromethane	95 % Recovery	5/04/01	HL	624
SITE #L-2, GROUND WATER, 4/24/01.				
Chloride	176.6 mg/l	4/27/01	LC	4500-CL-B
Nitrate	0.9 mg/l	4/26/01	LC	SM 4500-N03-E
Ammonia	0.3 mg/l	5/23/01	HL	4500-NH3-D
Alkalinity as CaCO3	27.5 mg CaCO3/l	5/03/01	HL	2320B
Total Dissolved Solids	382 mg/l	4/30/01	MC	2540C
Iron	0.436 mg/l	5/02/01	DK	200.7
Manganese	0.124 mg/l	5/02/01	DK	200.7
Sulfate	19.3 mg/l	4/26/01	LC	4500-SO4 D.
Sodium	87.8 mg/l	5/02/01	DK	200.7
Arsenic	<0.004 mg/l	5/04/01	NB	200.9
Barium	0.043 mg/l	5/02/01	DK	200.7
Chromium	<0.005 mg/l	5/02/01	DK	200.7
Cadmium	<0.001 mg/l	5/08/01	DK	200.7
Lead	0.007 mg/l	5/04/01	NB	SM3113B
Mercury	<0.0002 mg/l	5/04/01	DK	245.1
Selenium	<0.002 mg/l	6/05/01	NB	200.9
Silver	<0.003 mg/l	5/02/01	DK	200.7
Volatile Organics		5/04/01	HL	624

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693 MASS AVENUE
ACTON, MA 01720

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Sample ID: 9928-00831
Date Received: 4/24/01
Sampled by: CUSTOMER

PARAMETERS	RESULTS	DATE	TECH	METHOD
SITE #L-2, GROUND WATER, 4/24/01.				
Benzene	<1 ug/l	5/04/01	HL	624
Bromodichloromethane	<1 ug/l	5/04/01	HL	624
Bromoform	<1 ug/l	5/04/01	HL	624
Bromomethane	<5 ug/l	5/04/01	HL	624
Carbon Tetrachloride	<1 ug/l	5/04/01	HL	624
Chlorobenzene	<1 ug/l	5/04/01	HL	624
Chloroethane	<1 ug/l	5/04/01	HL	624
2-Chloroethylvinylether	<5 ug/l	5/04/01	HL	624
Chloroform	<1 ug/l	5/04/01	HL	624
Chloromethane	<1 ug/l	5/04/01	HL	624
Dibromochloromethane	<1 ug/l	5/04/01	HL	624
1,2-Dichlorobenzene	<1 ug/l	5/04/01	HL	624
1,3-Dichlorobenzene	<1 ug/l	5/04/01	HL	624
1,4-Dichlorobenzene	<1 ug/l	5/04/01	HL	624
1,1-Dichloroethane	<1 ug/l	5/04/01	HL	624
1,2-Dichloroethane	<1 ug/l	5/04/01	HL	624
1,1-Dichloroethylene	<1 ug/l	5/04/01	HL	624
trans-1,2-Dichloroethene	<1 ug/l	5/04/01	HL	624
1,2-Dichloropropane	<1 ug/l	5/04/01	HL	624
cis-1,3-Dichloropropene	<1 ug/l	5/04/01	HL	624
trans-1,3-Dichloropropene	<1 ug/l	5/04/01	HL	624
Ethylbenzene	<1 ug/l	5/04/01	HL	624
Methylene Chloride	<1 ug/l	5/04/01	HL	624
Naphthalene	<1 ug/l	5/04/01	HL	624
1,1,2,2-Tetrachloroethane	<1 ug/l	5/04/01	HL	624
Tetrachloroethylene	<1 ug/l	5/04/01	HL	624
Toluene	<1 ug/l	5/04/01	HL	624
1,2,4 - Trichlorobenzene	<1 ug/l	5/04/01	HL	624
1,1,1-Trichloroethane	<1 ug/l	5/04/01	HL	624
1,1,2-Trichloroethane	<1 ug/l	5/04/01	HL	624
Trichloroethylene	<1 ug/l	5/04/01	HL	624
Trichlorofluoromethane	<1 ug/l	5/04/01	HL	624
Vinyl Chloride	<10 ug/l	5/04/01	HL	624

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ACTON, MA 01720

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PARAMETERS	RESULTS	DATE	TECH	METHOD
SITE #L-2, GROUND WATER, 4/24/01.				
Total Xylenes	<1 ug/l	5/04/01	HL	624
Carbon Disulfide	<1 ug/l	5/04/01	HL	624
Vinyl Acetate	<10 ug/l	5/04/01	HL	624
Styrene	<1 ug/l	5/04/01	HL	624
Toluene D8	92 % Recovery	5/04/01	HL	624
p-Bromofluorobenzene	100 % Recovery	5/04/01	HL	624
1,2-Dichloroethane D4	104 % Recovery	5/04/01	HL	624
Dibromofluoromethane	93 % Recovery	5/04/01	HL	624
SITE #S-8, GROUND WATER, 4/24/01.				
Chloride	356.0 mg/l	4/27/01	LC	4500-CL-B
Nitrate	0.3 mg/l	4/26/01	LC	SM 4500-NO3-E
Ammonia	48 mg/l	5/23/01	HL	4500-NH3-D
Alkalinity as CaCO3	655 mg CaCO3/l	5/03/01	HL	2320B
Total Dissolved Solids	1206 mg/l	4/30/01	MC	2540C
Iron	146 mg/l	5/02/01	DK	200.7
Manganese	3.78 mg/l	5/02/01	DK	200.7
Sulfate	139.8 mg/l	4/26/01	LC	4500-SO4 D.
Sodium	296 mg/l	5/02/01	DK	200.7
Arsenic	0.030 mg/l	5/02/01	DK	200.7
Barium	1.01 mg/l	5/02/01	DK	200.7
Chromium	0.129 mg/l	5/02/01	DK	200.7
Cadmium	0.001 mg/l	5/08/01	DK	200.7
Lead	0.067 mg/l	5/04/01	NB	SM3113B
Mercury	<0.0002 mg/l	5/04/01	DK	245.1
Selenium	0.012 mg/l	6/05/01	NB	200.9
Silver	0.004 mg/l	5/02/01	DK	200.7
Total Phenol	0.05 mg/l	5/01/01	SUB	5530-C
Volatile Organics		5/04/01	HL	624
Benzene	5.7 ug/l	5/04/01	HL	624
Bromodichloromethane	<1 ug/l	5/04/01	HL	624
Bromoform	<1 ug/l	5/04/01	HL	624

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ACTON, MA 01720

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Sampled by: CUSTOMER

PARAMETERS	RESULTS	DATE	TECH	METHOD
SITE #S-8, GROUND WATER, 4/24/01.				
Bromomethane	<5 ug/l	5/04/01	HL	624
Carbon Tetrachloride	<1 ug/l	5/04/01	HL	624
Chlorobenzene	5.1 ug/l	5/04/01	HL	624
Chloroethane	2.0 ug/l	5/04/01	HL	624
2-Chloroethylvinylether	<5 ug/l	5/04/01	HL	624
Chloroform	<1 ug/l	5/04/01	HL	624
Chloromethane	<1 ug/l	5/04/01	HL	624
Dibromochloromethane	<1 ug/l	5/04/01	HL	624
1,2-Dichlorobenzene	<1 ug/l	5/04/01	HL	624
1,3-Dichlorobenzene	<1 ug/l	5/04/01	HL	624
1,4-Dichlorobenzene	<1 ug/l	5/04/01	HL	624
1,1-Dichloroethane	<1 ug/l	5/04/01	HL	624
1,2-Dichloroethane	<1 ug/l	5/04/01	HL	624
1,1-Dichloroethylene	<1 ug/l	5/04/01	HL	624
trans-1,2-Dichloroethene	<1 ug/l	5/04/01	HL	624
1,2-Dichloropropane	<1 ug/l	5/04/01	HL	624
cis-1,3-Dichloropropene	<1 ug/l	5/04/01	HL	624
trans-1,3-Dichloropropene	<1 ug/l	5/04/01	HL	624
Ethylbenzene	<1 ug/l	5/04/01	HL	624
Methylene Chloride	<1 ug/l	5/04/01	HL	624
Naphthalene	3.8 ug/l	5/04/01	HL	624
1,1,2,2-Tetrachloroethane	<1 ug/l	5/04/01	HL	624
Tetrachloroethylene	<1 ug/l	5/04/01	HL	624
Toluene	<1 ug/l	5/04/01	HL	624
1,2,4 - Trichlorobenzene	<1 ug/l	5/04/01	HL	624
1,1,1-Trichloroethane	<1 ug/l	5/04/01	HL	624
1,1,2-Trichloroethane	<1 ug/l	5/04/01	HL	624
Trichloroethylene	<1 ug/l	5/04/01	HL	624
Trichlorofluoromethane	<1 ug/l	5/04/01	HL	624
Vinyl Chloride	<10 ug/l	5/04/01	HL	624
Total Xylenes	<1 ug/l	5/04/01	HL	624
Carbon Disulfide	<1 ug/l	5/04/01	HL	624
Vinyl Acetate	<10 ug/l	5/04/01	HL	624

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Sampled by: CUSTOMER

ACTON WATER DEPARTMENT

693 MASS AVENUE
ACTON, MA 01720

PARAMETERS	RESULTS	DATE	TECH	METHOD
SITE #S-8, GROUND WATER, 4/24/01.				
Styrene	<1 ug/l	5/04/01	HL	624
Toluene D8	93 % Recovery	5/04/01	HL	624
p-Bromofluorobenzene	99 % Recovery	5/04/01	HL	624
1,2-Dichloroethane D4	98 % Recovery	5/04/01	HL	624
Dibromofluoromethane	94 % Recovery	5/04/01	HL	624

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LABORATORY REPORT

for

Acton, Town of
472 Main Street
Engineering Department
Acton, MA 01720

Attention: Corey York

Report date: 04/22/02
Number of samples analyzed: 10
AES Project ID: 020408 A
Invoice #: 240469

ELAP ID#: 10709

AIHA ID#: 100307

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CLIENT: Acton, Town of
CLIENT'S SAMPLE ID: L-2
AES sample #: 020408 A02

Samples taken by: CY/DA
MATRIX: Ground Water

Date Sampled: 04/04/02
Date sample received: 04/08/02
Location: Forest Road LF
grab

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Vinyl Chloride	EPA-601	<1	ug/l	SO-B	04/10/02
Chloroethane	EPA-601	<1	ug/l	SO-B	04/10/02
Methylene Chloride	EPA-601	<1	ug/l	SO-B	04/10/02
Trichlorofluoromethane	EPA-601	<1	ug/l	SO-B	04/10/02
1,1-Dichloroethene	EPA-601	<1	ug/l	SO-B	04/10/02
1,1-Dichloroethane	EPA-601	<1	ug/l	SO-B	04/10/02
Total 1,2 Dichloroethene	EPA-601	<1	ug/l	SO-B	04/10/02
Chloroform	EPA-601	<1	ug/l	SO-B	04/10/02
1,2 Dichloroethane	EPA-601	<1	ug/l	SO-B	04/10/02
1,1,1-Trichloroethane	EPA-601	<1	ug/l	SO-B	04/10/02
Carbon Tetrachloride	EPA-601	<1	ug/l	SO-B	04/10/02
Bromodichloromethane	EPA-601	<1	ug/l	SO-B	04/10/02
1,2-Dichloropropane	EPA-601	<1	ug/l	SO-B	04/10/02
t-1,3-Dichloropropene	EPA-601	<1	ug/l	SO-B	04/10/02
Trichloroethylene	EPA-601	<1	ug/l	SO-B	04/10/02
Dibromochloromethane	EPA-601	<1	ug/l	SO-B	04/10/02
1,1,2-Trichloroethane	EPA-601	<1	ug/l	SO-B	04/10/02
cis-1,3-Dichloropropene	EPA-601	<1	ug/l	SO-B	04/10/02
2-Chloroethylvinylether	EPA-601	<1	ug/l	SO-B	04/10/02
Bromoform	EPA-601	<1	ug/l	SO-B	04/10/02

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CLIENT: Acton, Town of
CLIENT'S SAMPLE ID: L-2
AES sample #: 020408 A02

Samples taken by: CY/DA
MATRIX: Ground Water

Date Sampled: 04/04/02
Date sample received: 04/08/02
Location: Forest Road LF
grab

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
1,1,2,2-Tetrachloroethane	EPA-601	<1	ug/l	SO-B	04/10/02
Tetrachloroethylene	EPA-601	<1	ug/l	SO-B	04/10/02
Benzene	EPA-602	<0.5	ug/l	SO-B	04/10/02
Toluene	EPA-602	<1	ug/l	SO-B	04/10/02
Ethylbenzene	EPA-602	<1	ug/l	SO-B	04/10/02
Chlorobenzene	EPA-602	<1	ug/l	SO-B	04/10/02
1,4-Dichlorobenzene	EPA-602	<1	ug/l	SO-B	04/10/02
1,3-Dichlorobenzene	EPA-602	<1	ug/l	SO-B	04/10/02
1,2-Dichlorobenzene	EPA-602	<1	ug/l	SO-B	04/10/02
Xylenes, Total	EPA-602	<1	ug/l	SO-B	04/10/02

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CLIENT: Acton, Town of
CLIENT'S SAMPLE ID: L-12
AES sample #: 020408 A03

Samples taken by: CY/DA
MATRIX: Ground Water

Date Sampled: 04/04/02
Date sample received: 04/08/02
Location: Forest Road LF
grab

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Alkalinity, as CaCO3	EPA-310.1	650	mg/l	LS-N-5	04/15/02
Chloride	EPA-300.0	69	mg/l	SH-ICH-19	04/17/02
Total Dissolved Solids	EPA-160.1	530	mg/l	LS-D-39	04/12/02
Sulfate	EPA-300.0	<2	mg/l	SH-IC-H-18	04/12/02
Nitrate-N	EPA-353.1	0.03	mg/l	PL-K	04/09/02
Ammonia-N	EPA-350.1	19	mg/l	KS-L	04/16/02
Iron	EPA-200.7	70.5	mg/l	SM-I-4D-28	04/19/02
Manganese	EPA-200.7	1.16	mg/l	SM-I-4D-28	04/19/02
Sodium	EPA-200.7	62.6	mg/l	SM-I-4D-28	04/19/02
Arsenic	EPA-200.7	0.13	mg/l	SM-I-4D-28	04/19/02
Barium	EPA-200.7	0.20	mg/l	SM-I-4D-28	04/19/02
Cadmium	EPA-200.7	<0.005	mg/l	SM-I-4D-28	04/19/02
Chromium	EPA-200.7	<0.005	mg/l	SM-I-4D-28	04/19/02
Lead	EPA-200.7	<0.005	mg/l	SM-I-4D-28	04/19/02
Mercury	EPA-245.1	<0.0004	mg/l	SM-HG-A-89	04/09/02
Selenium	EPA-200.7	<0.005	mg/l	SM-I-4D-28	04/19/02
Silver	EPA-200.7	<0.02	mg/l	SM-I-4D-28	04/19/02
Chloromethane	EPA-601	<1	ug/l	SO-D	04/11/02
Bromomethane	EPA-601	<1	ug/l	SO-D	04/11/02
Dichlorodifluoromethane	EPA-601	6	ug/l	SO-D	04/11/02

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CLIENT: Acton, Town of
CLIENT'S SAMPLE ID: L-12
AES sample #: 020408 A03

Samples taken by: CY/DA
MATRIX: Ground Water

Date Sampled: 04/04/02
Date sample received: 04/08/02
Location: Forest Road LF
grab

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Vinyl Chloride	EPA-601	<1	ug/l	SO-D	04/11/02
Chloroethane	EPA-601	2	ug/l	SO-D	04/11/02
Methylene Chloride	EPA-601	<1	ug/l	SO-D	04/11/02
Trichlorofluoromethane	EPA-601	<1	ug/l	SO-D	04/11/02
1,1-Dichloroethene	EPA-601	<1	ug/l	SO-D	04/11/02
1,1-Dichloroethane	EPA-601	<1	ug/l	SO-D	04/11/02
Total 1,2 Dichloroethene	EPA-601	<1	ug/l	SO-D	04/11/02
Chloroform	EPA-601	<1	ug/l	SO-D	04/11/02
1,2 Dichloroethane	EPA-601	<1	ug/l	SO-D	04/11/02
1,1,1-Trichloroethane	EPA-601	<1	ug/l	SO-D	04/11/02
Carbon Tetrachloride	EPA-601	<1	ug/l	SO-D	04/11/02
Bromodichloromethane	EPA-601	<1	ug/l	SO-D	04/11/02
1,2-Dichloropropane	EPA-601	<1	ug/l	SO-D	04/11/02
t-1,3-Dichloropropene	EPA-601	<1	ug/l	SO-D	04/11/02
Trichloroethylene	EPA-601	<1	ug/l	SO-D	04/11/02
Dibromochloromethane	EPA-601	<1	ug/l	SO-D	04/11/02
1,1,2-Trichloroethane	EPA-601	<1	ug/l	SO-D	04/11/02
cis-1,3-Dichloropropene	EPA-601	<1	ug/l	SO-D	04/11/02
2-Chloroethylvinylether	EPA-601	<1	ug/l	SO-D	04/11/02
Bromoform	EPA-601	<1	ug/l	SO-D	04/11/02

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CLIENT: Acton, Town of
CLIENT'S SAMPLE ID: L-12
AES sample #: 020408 A03

Samples taken by: CY/DA
MATRIX: Ground Water

Date Sampled: 04/04/02
Date sample received: 04/08/02
Location: Forest Road LF
grab

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
1,1,2,2-Tetrachloroethane	EPA-601	<1	ug/l	SO-D	04/11/02
Tetrachloroethylene	EPA-601	<1	ug/l	SO-D	04/11/02
Benzene	EPA-602	2	ug/l	SO-D	04/11/02
Toluene	EPA-602	<1	ug/l	SO-D	04/11/02
Ethylbenzene	EPA-602	<1	ug/l	SO-D	04/11/02
Chlorobenzene	EPA-602	38	ug/l	SO-D	04/11/02
1,4-Dichlorobenzene	EPA-602	2	ug/l	SO-D	04/11/02
1,3-Dichlorobenzene	EPA-602	<1	ug/l	SO-D	04/11/02
1,2-Dichlorobenzene	EPA-602	1	ug/l	SO-D	04/11/02
Xylenes, Total	EPA-602	<1	ug/l	SO-D	04/11/02

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CLIENT: Acton, Town of
CLIENT'S SAMPLE ID: S-8
AES sample #: 020408 A04

Samples taken by: CY/DA
MATRIX: Ground Water

Date Sampled: 04/04/02
Date sample received: 04/08/02
Location: Forest Road LF
grab

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Alkalinity, as CaCO3	EPA-310.1	25	mg/l	LS-N-5	04/15/02
Chloride	EPA-300.0	105	mg/l	SH-ICH-19	04/17/02
Total Dissolved Solids	EPA-160.1	240	mg/l	LS-D-39	04/12/02
Sulfate	EPA-300.0	10	mg/l	SH-IC-H-18	04/12/02
Nitrate-N	EPA-353.1	1.10	mg/l	PL-K	04/09/02
Ammonia-N	EPA-350.1	<0.1	mg/l	PL-L	04/09/02
Iron	EPA-200.7	0.50	mg/l	SM-I-4D-28	04/19/02
Manganese	EPA-200.7	0.14	mg/l	SM-I-4D-28	04/19/02
Sodium	EPA-200.7	53.0	mg/l	SM-I-4D-28	04/19/02
Arsenic	EPA-200.7	<0.005	mg/l	SM-I-4D-28	04/19/02
Barium	EPA-200.7	0.04	mg/l	SM-I-4D-28	04/19/02
Cadmium	EPA-200.7	<0.005	mg/l	SM-I-4D-28	04/19/02
Chromium	EPA-200.7	<0.005	mg/l	SM-I-4D-28	04/19/02
Lead	EPA-200.7	<0.005	mg/l	SM-I-4D-28	04/19/02
Mercury	EPA-245.1	<0.0004	mg/l	SM-HG-A-89	04/09/02
Selenium	EPA-200.7	<0.005	mg/l	SM-I-4D-28	04/19/02
Silver	EPA-200.7	<0.02	mg/l	SM-I-4D-28	04/19/02
Chloromethane	EPA-601	<1	ug/l	SO-B	04/10/02
Bromomethane	EPA-601	<1	ug/l	SO-B	04/10/02
Dichlorodifluoromethane	EPA-601	<1	ug/l	SO-B	04/10/02

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CLIENT: Acton, Town of
CLIENT'S SAMPLE ID: S-8
AES sample #: 020408 A04

Date Sampled: 04/04/02
Date sample received: 04/08/02

Samples taken by: CY/DA
MATRIX: Ground Water

Location: Forest Road LF
grab

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Vinyl Chloride	EPA-601	<1	ug/l	SO-B	04/10/02
Chloroethane	EPA-601	<1	ug/l	SO-B	04/10/02
Methylene Chloride	EPA-601	<1	ug/l	SO-B	04/10/02
Trichlorofluoromethane	EPA-601	<1	ug/l	SO-B	04/10/02
1,1-Dichloroethene	EPA-601	<1	ug/l	SO-B	04/10/02
1,1-Dichloroethane	EPA-601	<1	ug/l	SO-B	04/10/02
Total 1,2 Dichloroethene	EPA-601	<1	ug/l	SO-B	04/10/02
Chloroform	EPA-601	<1	ug/l	SO-B	04/10/02
1,2 Dichloroethane	EPA-601	<1	ug/l	SO-B	04/10/02
1,1,1-Trichloroethane	EPA-601	<1	ug/l	SO-B	04/10/02
Carbon Tetrachloride	EPA-601	<1	ug/l	SO-B	04/10/02
Bromodichloromethane	EPA-601	<1	ug/l	SO-B	04/10/02
1,2-Dichloropropane	EPA-601	<1	ug/l	SO-B	04/10/02
t-1,3-Dichloropropene	EPA-601	<1	ug/l	SO-B	04/10/02
Trichloroethylene	EPA-601	<1	ug/l	SO-B	04/10/02
Dibromochloromethane	EPA-601	<1	ug/l	SO-B	04/10/02
1,1,2-Trichloroethane	EPA-601	<1	ug/l	SO-B	04/10/02
cis-1,3-Dichloropropene	EPA-601	<1	ug/l	SO-B	04/10/02
2-Chloroethylvinylether	EPA-601	<1	ug/l	SO-B	04/10/02
Bromoform	EPA-601	<1	ug/l	SO-B	04/10/02

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CLIENT: Acton, Town of
CLIENT'S SAMPLE ID: S-8
AES sample #: 020408 A04

Samples taken by: CY/DA
MATRIX: Ground Water

Date Sampled: 04/04/02
Date sample received: 04/08/02
Location: Forest Road LF
grab

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
1,1,2,2-Tetrachloroethane	EPA-601	<1	ug/l	SO-B	04/10/02
Tetrachloroethylene	EPA-601	<1	ug/l	SO-B	04/10/02
Benzene	EPA-602	<0.5	ug/l	SO-B	04/10/02
Toluene	EPA-602	<1	ug/l	SO-B	04/10/02
Ethylbenzene	EPA-602	<1	ug/l	SO-B	04/10/02
Chlorobenzene	EPA-602	<1	ug/l	SO-B	04/10/02
1,4-Dichlorobenzene	EPA-602	<1	ug/l	SO-B	04/10/02
1,3-Dichlorobenzene	EPA-602	<1	ug/l	SO-B	04/10/02
1,2-Dichlorobenzene	EPA-602	<1	ug/l	SO-B	04/10/02
Xylenes, Total	EPA-602	<1	ug/l	SO-B	04/10/02

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CLIENT: Acton, Town of
CLIENT'S SAMPLE ID: L-15
AES sample #: 020408 A05

Samples taken by: CY/DA
MATRIX: Ground Water

Date Sampled: 04/05/02
Date sample received: 04/08/02
Location: Forest Road LF
grab

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Alkalinity, as CaCO3	EPA-310.1	320	mg/l	LS-N-5	04/15/02
Chloride	EPA-300.0	104	mg/l	SH-ICH-19	04/17/02
Total Dissolved Solids	EPA-160.1	375	mg/l	LS-D-39	04/12/02
Sulfate	EPA-300.0	4.6	mg/l	SH-ICH-19	04/17/02
Nitrate-N	EPA-353.1	1.05	mg/l	PL-K	04/09/02
Ammonia-N	EPA-350.1	8.1	mg/l	KS-L	04/16/02
Iron	EPA-200.7	50.6	mg/l	SM-I-4D-28	04/19/02
Manganese	EPA-200.7	1.24	mg/l	SM-I-4D-28	04/19/02
Sodium	EPA-200.7	64.8	mg/l	SM-I-4D-28	04/19/02
Arsenic	EPA-200.7	0.047	mg/l	SM-I-4D-28	04/19/02
Barium	EPA-200.7	0.32	mg/l	SM-I-4D-28	04/19/02
Cadmium	EPA-200.7	<0.005	mg/l	SM-I-4D-28	04/19/02
Chromium	EPA-200.7	<0.005	mg/l	SM-I-4D-28	04/19/02
Lead	EPA-200.7	<0.005	mg/l	SM-I-4D-28	04/19/02
Mercury	EPA-245.1	<0.0004	mg/l	SM-HG-A-89	04/09/02
Selenium	EPA-200.7	<0.005	mg/l	SM-I-4D-28	04/19/02
Silver	EPA-200.7	<0.02	mg/l	SM-I-4D-28	04/19/02
Chloromethane	EPA-601	<1	ug/l	SO-D	04/11/02
Bromomethane	EPA-601	<1	ug/l	SO-D	04/11/02
Dichlorodifluoromethane	EPA-601	3	ug/l	SO-D	04/11/02

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CLIENT: Acton, Town of
CLIENT'S SAMPLE ID: L-15
AES sample #: 020408 A05

Date Sampled: 04/05/02
Date sample received: 04/08/02

Samples taken by: CY/DA
MATRIX: Ground Water

Location: Forest Road LF
grab

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Vinyl Chloride	EPA-601	<1	ug/l	SO-D	04/11/02
Chloroethane	EPA-601	<1	ug/l	SO-D	04/11/02
Methylene Chloride	EPA-601	<1	ug/l	SO-D	04/11/02
Trichlorofluoromethane	EPA-601	<1	ug/l	SO-D	04/11/02
1,1-Dichloroethene	EPA-601	<1	ug/l	SO-D	04/11/02
1,1-Dichloroethane	EPA-601	<1	ug/l	SO-D	04/11/02
Total 1,2 Dichloroethene	EPA-601	<1	ug/l	SO-D	04/11/02
Chloroform	EPA-601	<1	ug/l	SO-D	04/11/02
1,2 Dichloroethane	EPA-601	<1	ug/l	SO-D	04/11/02
1,1,1-Trichloroethane	EPA-601	<1	ug/l	SO-D	04/11/02
Carbon Tetrachloride	EPA-601	<1	ug/l	SO-D	04/11/02
Bromodichloromethane	EPA-601	<1	ug/l	SO-D	04/11/02
1,2-Dichloropropane	EPA-601	<1	ug/l	SO-D	04/11/02
t-1,3-Dichloropropene	EPA-601	<1	ug/l	SO-D	04/11/02
Trichloroethylene	EPA-601	<1	ug/l	SO-D	04/11/02
Dibromochloromethane	EPA-601	<1	ug/l	SO-D	04/11/02
1,1,2-Trichloroethane	EPA-601	<1	ug/l	SO-D	04/11/02
cis-1,3-Dichloropropene	EPA-601	<1	ug/l	SO-D	04/11/02
2-Chloroethylvinylether	EPA-601	<1	ug/l	SO-D	04/11/02
Bromoform	EPA-601	<1	ug/l	SO-D	04/11/02

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CLIENT: Acton, Town of
CLIENT'S SAMPLE ID: L-15
AES sample #: 020408 A05

Samples taken by: CY/DA
MATRIX: Ground Water

Date Sampled: 04/05/02
Date sample received: 04/08/02
Location: Forest Road LF
grab

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
1,1,2,2-Tetrachloroethane	EPA-601	<1	ug/l	SO-D	04/11/02
Tetrachloroethylene	EPA-601	<1	ug/l	SO-D	04/11/02
Benzene	EPA-602	1	ug/l	SO-D	04/11/02
Toluene	EPA-602	<1	ug/l	SO-D	04/11/02
Ethylbenzene	EPA-602	<1	ug/l	SO-D	04/11/02
Chlorobenzene	EPA-602	1	ug/l	SO-D	04/11/02
1,4-Dichlorobenzene	EPA-602	<1	ug/l	SO-D	04/11/02
1,3-Dichlorobenzene	EPA-602	<1	ug/l	SO-D	04/11/02
1,2-Dichlorobenzene	EPA-602	<1	ug/l	SO-D	04/11/02
Xylenes, Total	EPA-602	<1	ug/l	SO-D	04/11/02
Phenols, Total	EPA-420.1	0.005	mg/l	LS-B-35	04/16/02

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CLIENT: Acton, Town of
CLIENT'S SAMPLE ID: L-14
AES sample #: 020408 A06

Samples taken by: CY/DA
MATRIX: Ground Water

Date Sampled: 04/05/02
Date sample received: 04/08/02
Location: Forest Road LF
grab

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Alkalinity, as CaCO3	EPA-310.1	45	mg/l	LS-N-5	04/15/02
Chloride	EPA-300.0	25	mg/l	SH-ICH-19	04/17/02
Total Dissolved Solids	EPA-160.1	140	mg/l	LS-D-39	04/12/02
Sulfate	EPA-300.0	13	mg/l	SH-ICH-19	04/17/02
Nitrate-N	EPA-353.1	2.5	mg/l	PL-K	04/15/02
Ammonia-N	EPA-350.1	<0.1	mg/l	PL-L	04/09/02
Iron	EPA-200.7	3.65	mg/l	SM-I-4D-28	04/19/02
Manganese	EPA-200.7	0.08	mg/l	SM-I-4D-28	04/19/02
Sodium	EPA-200.7	38.9	mg/l	SM-I-4D-28	04/19/02
Arsenic	EPA-200.7	<0.005	mg/l	SM-I-4D-28	04/19/02
Barium	EPA-200.7	0.02	mg/l	SM-I-4D-28	04/19/02
Cadmium	EPA-200.7	<0.005	mg/l	SM-I-4D-28	04/19/02
Chromium	EPA-200.7	0.022	mg/l	SM-I-4D-28	04/19/02
Lead	EPA-200.7	<0.005	mg/l	SM-I-4D-28	04/19/02
Mercury	EPA-245.1	<0.0004	mg/l	SM-HG-A-89	04/09/02
Selenium	EPA-200.7	<0.005	mg/l	SM-I-4D-28	04/19/02
Silver	EPA-200.7	<0.02	mg/l	SM-I-4D-28	04/19/02
Chloromethane	EPA-601	<1	ug/l	SO-B	04/10/02
Bromomethane	EPA-601	<1	ug/l	SO-B	04/10/02
Dichlorodifluoromethane	EPA-601	<1	ug/l	SO-B	04/10/02

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CLIENT: Acton, Town of
CLIENT'S SAMPLE ID: L-14
AES sample #: 020408 A06

Samples taken by: CY/DA
MATRIX: Ground Water

Date Sampled: 04/05/02
Date sample received: 04/08/02
Location: Forest Road LF
grab

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Vinyl Chloride	EPA-601	<1	ug/l	SO-B	04/10/02
Chloroethane	EPA-601	<1	ug/l	SO-B	04/10/02
Methylene Chloride	EPA-601	<1	ug/l	SO-B	04/10/02
Trichlorofluoromethane	EPA-601	<1	ug/l	SO-B	04/10/02
1,1-Dichloroethene	EPA-601	<1	ug/l	SO-B	04/10/02
1,1-Dichloroethane	EPA-601	<1	ug/l	SO-B	04/10/02
Total 1,2 Dichloroethene	EPA-601	<1	ug/l	SO-B	04/10/02
Chloroform	EPA-601	<1	ug/l	SO-B	04/10/02
1,2 Dichloroethane	EPA-601	<1	ug/l	SO-B	04/10/02
1,1,1-Trichloroethane	EPA-601	<1	ug/l	SO-B	04/10/02
Carbon Tetrachloride	EPA-601	<1	ug/l	SO-B	04/10/02
Bromodichloromethane	EPA-601	<1	ug/l	SO-B	04/10/02
1,2-Dichloropropane	EPA-601	<1	ug/l	SO-B	04/10/02
t-1,3-Dichloropropene	EPA-601	<1	ug/l	SO-B	04/10/02
Trichloroethylene	EPA-601	<1	ug/l	SO-B	04/10/02
Dibromochloromethane	EPA-601	<1	ug/l	SO-B	04/10/02
1,1,2-Trichloroethane	EPA-601	<1	ug/l	SO-B	04/10/02
cis-1,3-Dichloropropene	EPA-601	<1	ug/l	SO-B	04/10/02
2-Chloroethylvinylether	EPA-601	<1	ug/l	SO-B	04/10/02
Bromoform	EPA-601	<1	ug/l	SO-B	04/10/02

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CLIENT: Acton, Town of
CLIENT'S SAMPLE ID: L-14
AES sample #: 020408 A06

Date Sampled: 04/05/02
Date sample received: 04/08/02

Samples taken by: CY/DA
MATRIX: Ground Water

Location: Forest Road LF
grab

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
1,1,2,2-Tetrachloroethane	EPA-601	<1	ug/l	SO-B	04/10/02
Tetrachloroethylene	EPA-601	<1	ug/l	SO-B	04/10/02
Benzene	EPA-602	<0.5	ug/l	SO-B	04/10/02
Toluene	EPA-602	<1	ug/l	SO-B	04/10/02
Ethylbenzene	EPA-602	<1	ug/l	SO-B	04/10/02
Chlorobenzene	EPA-602	<1	ug/l	SO-B	04/10/02
1,4-Dichlorobenzene	EPA-602	<1	ug/l	SO-B	04/10/02
1,3-Dichlorobenzene	EPA-602	<1	ug/l	SO-B	04/10/02
1,2-Dichlorobenzene	EPA-602	<1	ug/l	SO-B	04/10/02
Xylenes, Total	EPA-602	<1	ug/l	SO-B	04/10/02
Phenols, Total	EPA-420.1	<0.002	mg/l	LS-B-35	04/16/02

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CLIENT: Acton, Town of
CLIENT'S SAMPLE ID: L-13
AES sample #: 020408 A07

Samples taken by: CY/DA
MATRIX: Ground Water

Date Sampled: 04/05/02
Date sample received: 04/08/02
Location: Forest Road LF
grab

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Alkalinity, as CaCO3	EPA-310.1	890	mg/l	LS-N-5	04/15/02
Chloride	EPA-300.0	128	mg/l	SH-ICH-19	04/17/02
Total Dissolved Solids	EPA-160.1	908	mg/l	LS-D-39	04/12/02
Sulfate	EPA-300.0	5.4	mg/l	SH-ICH-19	04/17/02
Nitrate-N	EPA-353.1	0.12	mg/l	PL-K	04/09/02
Ammonia-N	EPA-350.1	44	mg/l	KS-L	04/16/02
Iron	EPA-200.7	108	mg/l	SM-I-4D-28	04/19/02
Manganese	EPA-200.7	4.47	mg/l	SM-I-4D-28	04/19/02
Sodium	EPA-200.7	96.3	mg/l	SM-I-4D-28	04/19/02
Arsenic	EPA-200.7	<0.005	mg/l	SM-I-4D-28	04/19/02
Barium	EPA-200.7	0.93	mg/l	SM-I-4D-28	04/19/02
Cadmium	EPA-200.7	<0.005	mg/l	SM-I-4D-28	04/19/02
Chromium	EPA-200.7	<0.005	mg/l	SM-I-4D-28	04/19/02
Lead	EPA-200.7	<0.005	mg/l	SM-I-4D-28	04/19/02
Mercury	EPA-245.1	<0.0004	mg/l	SM-HG-A-89	04/09/02
Selenium	EPA-200.7	<0.005	mg/l	SM-I-4D-28	04/19/02
Silver	EPA-200.7	<0.02	mg/l	SM-I-4D-28	04/19/02
Chloromethane	EPA-601	<1	ug/l	SO-D	04/11/02
Bromomethane	EPA-601	<1	ug/l	SO-D	04/11/02
Dichlorodifluoromethane	EPA-601	7	ug/l	SO-D	04/11/02

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CLIENT: Acton, Town of
CLIENT'S SAMPLE ID: L-13
AES sample #: 020408 A07

Date Sampled: 04/05/02
Date sample received: 04/08/02
Samples taken by: CY/DA
Location: Forest Road LF
MATRIX: Ground Water
grab

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Vinyl Chloride	EPA-601	<1	ug/l	SO-D	04/11/02
Chloroethane	EPA-601	<1	ug/l	SO-D	04/11/02
Methylene Chloride	EPA-601	<1	ug/l	SO-D	04/11/02
Trichlorofluoromethane	EPA-601	<1	ug/l	SO-D	04/11/02
1,1-Dichloroethene	EPA-601	<1	ug/l	SO-D	04/11/02
1,1-Dichloroethane	EPA-601	<1	ug/l	SO-D	04/11/02
Total 1,2 Dichloroethene	EPA-601	<1	ug/l	SO-D	04/11/02
Chloroform	EPA-601	<1	ug/l	SO-D	04/11/02
1,2 Dichloroethane	EPA-601	<1	ug/l	SO-D	04/11/02
1,1,1-Trichloroethane	EPA-601	<1	ug/l	SO-D	04/11/02
Carbon Tetrachloride	EPA-601	<1	ug/l	SO-D	04/11/02
Bromodichloromethane	EPA-601	<1	ug/l	SO-D	04/11/02
1,2-Dichloropropane	EPA-601	<1	ug/l	SO-D	04/11/02
t-1,3-Dichloropropene	EPA-601	<1	ug/l	SO-D	04/11/02
Trichloroethylene	EPA-601	<1	ug/l	SO-D	04/11/02
Dibromochloromethane	EPA-601	<1	ug/l	SO-D	04/11/02
1,1,2-Trichloroethane	EPA-601	<1	ug/l	SO-D	04/11/02
cis-1,3-Dichloropropene	EPA-601	<1	ug/l	SO-D	04/11/02
2-Chloroethylvinylether	EPA-601	<1	ug/l	SO-D	04/11/02
Bromoform	EPA-601	<1	ug/l	SO-D	04/11/02

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CLIENT: Acton, Town of
CLIENT'S SAMPLE ID: L-13
AES sample #: 020408 A07

Samples taken by: CY/DA
MATRIX: Ground Water

Date Sampled: 04/05/02
Date sample received: 04/08/02
Location: Forest Road LF
grab

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
1,1,2,2-Tetrachloroethane	EPA-601	<1	ug/l	SO-D	04/11/02
Tetrachloroethylene	EPA-601	<1	ug/l	SO-D	04/11/02
Benzene	EPA-602	3	ug/l	SO-D	04/11/02
Toluene	EPA-602	<1	ug/l	SO-D	04/11/02
Ethylbenzene	EPA-602	<1	ug/l	SO-D	04/11/02
Chlorobenzene	EPA-602	1	ug/l	SO-D	04/11/02
1,4-Dichlorobenzene	EPA-602	<1	ug/l	SO-D	04/11/02
1,3-Dichlorobenzene	EPA-602	<1	ug/l	SO-D	04/11/02
1,2-Dichlorobenzene	EPA-602	<1	ug/l	SO-D	04/11/02
Xylenes, Total	EPA-602	<1	ug/l	SO-D	04/11/02
Phenols, Total	EPA-420.1	0.004	mg/l	LS-B-35	04/16/02

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CLIENT: Acton, Town of
CLIENT'S SAMPLE ID: Lot#0203/Trip Blank
AES sample #: 020408 A08 Samples taken by: CY/DA
MATRIX: Water

Date Sampled: 04/05/02
Date sample received: 04/08/02
Location: Forest Road LF
grab

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Chloromethane	EPA-601	<1	ug/l	SO-B	04/10/02
Bromomethane	EPA-601	<1	ug/l	SO-B	04/10/02
Dichlorodifluoromethane	EPA-601	<1	ug/l	SO-B	04/10/02
Vinyl Chloride	EPA-601	<1	ug/l	SO-B	04/10/02
Chloroethane	EPA-601	<1	ug/l	SO-B	04/10/02
Methylene Chloride	EPA-601	<1	ug/l	SO-B	04/10/02
Trichlorofluoromethane	EPA-601	<1	ug/l	SO-B	04/10/02
1,1-Dichloroethene	EPA-601	<1	ug/l	SO-B	04/10/02
1,1-Dichloroethane	EPA-601	<1	ug/l	SO-B	04/10/02
Total 1,2 Dichloroethene	EPA-601	<1	ug/l	SO-B	04/10/02
Chloroform	EPA-601	<1	ug/l	SO-B	04/10/02
1,2 Dichloroethane	EPA-601	<1	ug/l	SO-B	04/10/02
1,1,1-Trichloroethane	EPA-601	<1	ug/l	SO-B	04/10/02
Carbon Tetrachloride	EPA-601	<1	ug/l	SO-B	04/10/02
Bromodichloromethane	EPA-601	<1	ug/l	SO-B	04/10/02
1,2-Dichloropropane	EPA-601	<1	ug/l	SO-B	04/10/02
t-1,3-Dichloropropene	EPA-601	<1	ug/l	SO-B	04/10/02
Trichloroethylene	EPA-601	<1	ug/l	SO-B	04/10/02
Dibromochloromethane	EPA-601	<1	ug/l	SO-B	04/10/02
1,1,2-Trichloroethane	EPA-601	<1	ug/l	SO-B	04/10/02

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CLIENT: Acton, Town of
CLIENT'S SAMPLE ID: Lot#0203/Trip Blank
AES sample #: 020408 A08
Samples taken by: CY/DA
MATRIX: Water
Date Sampled: 04/05/02
Date sample received: 04/08/02
Location: Forest Road LF
grab

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
cis-1,3-Dichloropropene	EPA-601	<1	ug/l	SO-B	04/10/02
2-Chloroethylvinylether	EPA-601	<1	ug/l	SO-B	04/10/02
Bromoform	EPA-601	<1	ug/l	SO-B	04/10/02
1,1,2,2-Tetrachloroethane	EPA-601	<1	ug/l	SO-B	04/10/02
Tetrachloroethylene	EPA-601	<1	ug/l	SO-B	04/10/02
Benzene	EPA-602	<0.5	ug/l	SO-B	04/10/02
Toluene	EPA-602	<1	ug/l	SO-B	04/10/02
Ethylbenzene	EPA-602	<1	ug/l	SO-B	04/10/02
Chlorobenzene	EPA-602	<1	ug/l	SO-B	04/10/02
1,4-Dichlorobenzene	EPA-602	<1	ug/l	SO-B	04/10/02
1,3-Dichlorobenzene	EPA-602	<1	ug/l	SO-B	04/10/02
1,2-Dichlorobenzene	EPA-602	<1	ug/l	SO-B	04/10/02
Xylenes, Total	EPA-602	<1	ug/l	SO-B	04/10/02

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CLIENT: Acton, Town of
CLIENT'S SAMPLE ID: Precision
AES sample #: 020408 A09
Samples taken by: CY/DA
MATRIX: Water
Date Sampled: 04/05/02
Date sample received: 04/08/02
Location: Forest Road LF grab

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Alkalinity, as CaCO3	EPA-310.1	5.8	%	LS-N-5	04/15/02
Total Dissolved Solids	EPA-160.1	2.2	%	LS-D-39	04/12/02
Sulfate	EPA-300.0	<1	%	SH-ICH-19	04/17/02
Nitrate-N	EPA-353.1	2.8	%	PL-K	04/09/02
Ammonia-N	EPA-350.1	1	%	PL-L	04/09/02
Chloride	EPA-300.0	3.2	%	SH-ICH-19	04/17/02
Phenols, Total	EPA-420.1	<1	%	LS-B-35	04/16/02
Arsenic	EPA-200.7	3.0	%	SM-I-4D-28	04/19/02
Barium	EPA-200.7	3.0	%	SM-I-4D-28	04/19/02
Cadmium	EPA-200.7	ND	%	SM-I-4D-28	04/19/02
Chromium	EPA-200.7	ND	%	SM-I-4D-28	04/19/02
Lead	EPA-200.7	ND	%	SM-I-4D-28	04/19/02
Mercury	EPA-245.1	ND	%	SM-HG-A-89	04/09/02
Selenium	EPA-200.7	ND	%	SM-I-4D-28	04/19/02
Silver	EPA-200.7	ND	%	SM-I-4D-28	04/19/02
Sodium	EPA-200.7	6.0	%	SM-I-4D-28	04/19/02
Iron	EPA-200.7	3.0	%	SM-I-4D-28	04/19/02
Manganese	EPA-200.7	3.0	%	SM-I-4D-28	04/19/02
Chloromethane	EPA-601	ND	%	SO-D	04/11/02
Bromomethane	EPA-601	ND	%	SO-D	04/11/02

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CLIENT: Acton, Town of
CLIENT'S SAMPLE ID: Precision
AES sample #: 020408 A09
Samples taken by: CY/DA
MATRIX: Water
Date Sampled: 04/05/02
Date sample received: 04/08/02
Location: Forest Road LF
grab

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Dichlorodifluoromethane	EPA-601	ND	%	SO-D	04/11/02
Vinyl Chloride	EPA-601	ND	%	SO-D	04/11/02
Chloroethane	EPA-601	ND	%	SO-D	04/11/02
Methylene Chloride	EPA-601	ND	%	SO-D	04/11/02
Trichlorofluoromethane	EPA-601	ND	%	SO-D	04/11/02
1,1-Dichloroethene	EPA-601	2	%	SO-D	04/11/02
1,1-Dichloroethane	EPA-601	ND	%	SO-D	04/11/02
Total 1,2 Dichloroethene	EPA-601	ND	%	SO-D	04/11/02
Chloroform	EPA-601	ND	%	SO-D	04/11/02
1,2 Dichloroethane	EPA-601	ND	%	SO-D	04/11/02
1,1,1-Trichloroethane	EPA-601	ND	%	SO-D	04/11/02
Carbon Tetrachloride	EPA-601	ND	%	SO-D	04/11/02
Bromodichloromethane	EPA-601	ND	%	SO-D	04/11/02
1,2-Dichloropropane	EPA-601	ND	%	SO-D	04/11/02
t-1,3-Dichloropropene	EPA-601	ND	%	SO-D	04/11/02
Trichloroethylene	EPA-601	3	%	SO-D	04/11/02
Dibromochloromethane	EPA-601	ND	%	SO-D	04/11/02
1,1,2-Trichloroethane	EPA-601	ND	%	SO-D	04/11/02
cis-1,3-Dichloropropene	EPA-601	ND	%	SO-D	04/11/02
2-Chloroethylvinylether	EPA-601	ND	%	SO-D	04/11/02

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CLIENT: Acton, Town of
CLIENT'S SAMPLE ID: Precision
AES sample #: 020408 A09
Samples taken by: CY/DA
MATRIX: Water
Date Sampled: 04/05/02
Date sample received: 04/08/02
Location: Forest Road LF
grab

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Bromoform	EPA-601	ND	%	SO-D	04/11/02
1,1,2,2-Tetrachloroethane	EPA-601	ND	%	SO-D	04/11/02
Tetrachloroethylene	EPA-601	ND	%	SO-D	04/11/02
Benzene	EPA-602	2	%	SO-D	04/11/02
Toluene	EPA-602	1	%	SO-D	04/11/02
Ethylbenzene	EPA-602	ND	%	SO-D	04/11/02
Chlorobenzene	EPA-602	1	%	SO-D	04/11/02
1,4-Dichlorobenzene	EPA-602	ND	%	SO-D	04/11/02
1,3-Dichlorobenzene	EPA-602	ND	%	SO-D	04/11/02
1,2-Dichlorobenzene	EPA-602	ND	%	SO-D	04/11/02
Xylenes, Total	EPA-602	ND	%	SO-D	04/11/02

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CLIENT: Acton, Town of
CLIENT'S SAMPLE ID: Accuracy
AES sample #: 020408 A10
Samples taken by: CY/DA
MATRIX: Water
Date Sampled: 04/05/02
Date sample received: 04/08/02
Location: Forest Road LF
grab

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Alkalinity, as CaCO3	EPA-310.1	101	%	LS-N-5	04/15/02
Total Dissolved Solids	EPA-160.1	101	%	LS-D-39	04/12/02
Sulfate	EPA-300.0	97	%	SH-ICH-19	04/17/02
Nitrate-N	EPA-353.1	102	%	PL-K	04/09/02
Ammonia-N	EPA-350.1	102	%	PL-L	04/09/02
Chloride	EPA-300.0	3.2	%	SH-ICH-19	04/17/02
Phenols, Total	EPA-420.1	104	%	LS-B-35	04/16/02
Arsenic	EPA-200.7	108	%	SM-I-4D-28	04/19/02
Barium	EPA-200.7	102	%	SM-I-4D-28	04/19/02
Cadmium	EPA-200.7	84	%	SM-I-4D-28	04/19/02
Chromium	EPA-200.7	83	%	SM-I-4D-28	04/19/02
Lead	EPA-200.7	104	%	SM-I-4D-28	04/19/02
Mercury	EPA-245.1	102	%	SM-HG-A-89	04/09/02
Selenium	EPA-200.7	102	%	SM-I-4D-28	04/19/02
Silver	EPA-200.7	75	%	SM-I-4D-28	04/19/02
Sodium	EPA-200.7	106	%	SM-I-4D-28	04/19/02
Iron	EPA-200.7	110	%	SM-I-4D-28	04/19/02
Manganese	EPA-200.7	104	%	SM-I-4D-28	04/19/02
1,1-Dichloroethene	EPA-601	101	%	SO-D	04/10/02
Trichloroethylene	EPA-601	101	%	SO-D	04/10/02

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CLIENT: Acton, Town of
CLIENT'S SAMPLE ID: Accuracy
AES sample #: 020408 A10
Samples taken by: CY/DA
MATRIX: Water
Date Sampled: 04/05/02
Date sample received: 04/08/02
Location: Forest Road LF
grab

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Chlorobenzene	EPA-602	109	%	SO-D	04/10/02
Benzene	EPA-602	101	%	SO-D	04/10/02
Toluene	EPA-602	105	%	SO-D	04/10/02

APPROVED BY: Lara Dr
Report date: 04/22/02

TOWN OF ACTON
472 Main Street
Acton, Massachusetts, 01720
Telephone (978) 264-9628
Fax (978) 264-9630

Engineering Department

April 30, 2003

Ms. Cheryl Poirier
Massachusetts Department of Environmental Protection
627 Main Street
Worcester, Massachusetts 01608

Dear Ms. Poirier:

Please find attached the groundwater analyses of wells at the former Acton Landfill. The Acton Engineering Department collected the groundwater samples on April 2 and April 3, 2003. Adirondack Environmental Services Incorporated performed the lab work between April 9 and April 21, 2003.

If you should require any additional information or have any questions, please contact me at (978) 264-9628.

Very Truly Yours,

Corey S. York
Engineering Assistant

csy

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April 24, 2003

Corey York
Acton, Town of
Engineering Dept.
472 Main Street
Acton, MA 01720

TEL: 978 264 9628
FAX: 978 264 9630

RE: Landfill Samples

Order No.: 030408010

Dear Corey York:

Adirondack Environmental Services, Inc received 8 samples on 4/8/2003 for the analyses presented in the following report.

There were no problems with the analyses and all associated QC met EPA or laboratory specifications, except if noted.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

ELAP#: 10709
AIHA#: 100307

Tara Daniels
Laboratory Manager

Adirondack Environmental Services, Inc

Date: *24-Apr-03*

CLIENT: Acton, Town of
Project: Landfill Samples
Lab Order: 030408010

Lab ID: 030408010-001
Collection Date: 4/2/2003
Client Sample ID: S-8
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PURGEABLE HALOCARBONS		**E601**				Analyst: **SO**
Chloromethane	< 1.0	1.0		µg/L	1	4/11/2003
Bromomethane	< 1.0	1.0		µg/L	1	4/11/2003
Dichlorodifluoromethane	< 1.0	1.0		µg/L	1	4/11/2003
Vinyl chloride	< 1.0	1.0		µg/L	1	4/11/2003
Chloroethane	< 1.0	1.0		µg/L	1	4/11/2003
Methylene chloride	< 1.0	1.0		µg/L	1	4/11/2003
Trichlorofluoromethane	< 1.0	1.0		µg/L	1	4/11/2003
1,1-Dichloroethene	< 1.0	1.0		µg/L	1	4/11/2003
1,1-Dichloroethane	< 1.0	1.0		µg/L	1	4/11/2003
cis-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	4/11/2003
trans-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	4/11/2003
Chloroform	< 1.0	1.0		µg/L	1	4/11/2003
1,2-Dichloroethane	< 1.0	1.0		µg/L	1	4/11/2003
1,1,1-Trichloroethane	< 1.0	1.0		µg/L	1	4/11/2003
Carbon tetrachloride	< 1.0	1.0		µg/L	1	4/11/2003
Bromodichloromethane	< 1.0	1.0		µg/L	1	4/11/2003
1,2-Dichloropropane	< 1.0	1.0		µg/L	1	4/11/2003
trans-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	4/11/2003
Trichloroethene	< 1.0	1.0		µg/L	1	4/11/2003
Dibromochloromethane	< 1.0	1.0		µg/L	1	4/11/2003
1,1,2-Trichloroethane	< 1.0	1.0		µg/L	1	4/11/2003
cis-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	4/11/2003
2-Chloroethyl vinyl ether	< 1.0	1.0		µg/L	1	4/11/2003
Bromoform	< 1.0	1.0		µg/L	1	4/11/2003
1,1,2,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	4/11/2003
Tetrachloroethene	< 1.0	1.0		µg/L	1	4/11/2003
Chlorobenzene	< 1.0	1.0		µg/L	1	4/11/2003
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/11/2003
1,4-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/11/2003
1,2-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/11/2003
PURGEABLE AROMATICS		**E602**				Analyst: **SO**
Benzene	< 0.5	0.5		µg/L	1	4/11/2003
Toluene	< 1.0	1.0		µg/L	1	4/11/2003
Ethylbenzene	< 1.0	1.0		µg/L	1	4/11/2003
m,p-Xylene	< 1.0	1.0		µg/L	1	4/11/2003
o-Xylene	< 1.0	1.0		µg/L	1	4/11/2003
Chlorobenzene	< 1.0	1.0		µg/L	1	4/11/2003
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/11/2003
1,4-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/11/2003

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *24-Apr-03*

CLIENT: Acton, Town of
Project: Landfill Samples
Lab Order: 030408010

PURGEABLE AROMATICS		**E602**			Analyst: **SO**
1,2-Dichlorobenzene	< 1.0	1.0	µg/L	1	4/11/2003
ICP METALS		**E200.7**	**(SW3010A)**		Analyst: **KH**
Arsenic	< 0.005	0.005	mg/L	1	4/16/2003
Barium	0.039	0.010	mg/L	1	4/16/2003
Cadmium	< 0.005	0.005	mg/L	1	4/16/2003
Chromium	< 0.005	0.005	mg/L	1	4/16/2003
Iron	0.313	0.050	mg/L	1	4/16/2003
Lead	< 0.005	0.005	mg/L	1	4/16/2003
Manganese	0.100	0.020	mg/L	1	4/16/2003
Selenium	< 0.005	0.005	mg/L	1	4/16/2003
Silver	< 0.010	0.010	mg/L	1	4/16/2003
Sodium	0.060	0.050	mg/L	1	4/16/2003
MERCURY IN WATER		**E245.1**	**(E245.1)**		Analyst: **SM**
Mercury	< 0.0002	0.0002	mg/L	1	4/9/2003
ALKALINITY		**E310.1**			Analyst: **LS**
Alkalinity, Total (As CaCO3)	19	1	mg/L CaCO3	1	4/9/2003
AMMONIA AS N		**E350.1**			Analyst: **KS**
Nitrogen, Ammonia (As N)	< 0.1	0.1	mg/L	1	4/16/2003
CHLORIDE		**E300**			Analyst: **SH**
Chloride	201	1.00	mg/L	1	4/21/2003
TOTAL NITRITE / NITRATE AS N		**E353.1**			Analyst: **KS**
Nitrogen, Nitrate-Nitrite	1.20	0.02	mg/L	1	4/15/2003
SULFATE		**E300**			Analyst: **PL**
Sulfate	17	2.00	mg/L	1	4/10/2003
TOTAL DISSOLVED SOLIDS		**E160.1**			Analyst: **LS**
TDS (Residue, Filterable)	410	5	mg/L	1	4/9/2003

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *24-Apr-03*

CLIENT: Acton, Town of
Project: Landfill Samples

Lab Order: 030408010

Lab ID: 030408010-002
Client Sample ID: L-15

Collection Date: 4/3/2003
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PURGEABLE HALOCARBONS		**E601**				Analyst: **SO**
Chloromethane	< 1.0	1.0		µg/L	1	4/11/2003
Bromomethane	< 1.0	1.0		µg/L	1	4/11/2003
Dichlorodifluoromethane	10	1.0		µg/L	1	4/11/2003
Vinyl chloride	< 1.0	1.0		µg/L	1	4/11/2003
Chloroethane	< 1.0	1.0		µg/L	1	4/11/2003
Methylene chloride	< 1.0	1.0		µg/L	1	4/11/2003
Trichlorofluoromethane	< 1.0	1.0		µg/L	1	4/11/2003
1,1-Dichloroethene	< 1.0	1.0		µg/L	1	4/11/2003
1,1-Dichloroethane	< 1.0	1.0		µg/L	1	4/11/2003
cis-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	4/11/2003
trans-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	4/11/2003
Chloroform	< 1.0	1.0		µg/L	1	4/11/2003
1,2-Dichloroethane	< 1.0	1.0		µg/L	1	4/11/2003
1,1,1-Trichloroethane	< 1.0	1.0		µg/L	1	4/11/2003
Carbon tetrachloride	< 1.0	1.0		µg/L	1	4/11/2003
Bromodichloromethane	< 1.0	1.0		µg/L	1	4/11/2003
1,2-Dichloropropane	< 1.0	1.0		µg/L	1	4/11/2003
trans-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	4/11/2003
Trichloroethene	< 1.0	1.0		µg/L	1	4/11/2003
Dibromochloromethane	< 1.0	1.0		µg/L	1	4/11/2003
1,1,2-Trichloroethane	< 1.0	1.0		µg/L	1	4/11/2003
cis-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	4/11/2003
2-Chloroethyl vinyl ether	< 1.0	1.0		µg/L	1	4/11/2003
Bromoform	< 1.0	1.0		µg/L	1	4/11/2003
1,1,2,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	4/11/2003
Tetrachloroethene	< 1.0	1.0		µg/L	1	4/11/2003
Chlorobenzene	1	1.0		µg/L	1	4/11/2003
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/11/2003
1,4-Dichlorobenzene	2	1.0		µg/L	1	4/11/2003
1,2-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/11/2003
PURGEABLE AROMATICS		**E602**				Analyst: **SO**
Benzene	3.0	0.5		µg/L	1	4/11/2003
Toluene	< 1.0	1.0		µg/L	1	4/11/2003
Ethylbenzene	< 1.0	1.0		µg/L	1	4/11/2003
m,p-Xylene	1.6	1.0		µg/L	1	4/11/2003
o-Xylene	< 1.0	1.0		µg/L	1	4/11/2003
Chlorobenzene	1.1	1.0		µg/L	1	4/11/2003
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/11/2003
1,4-Dichlorobenzene	1.8	1.0		µg/L	1	4/11/2003

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *24-Apr-03*

CLIENT: Acton, Town of
Project: Landfill Samples
Lab Order: 030408010

PURGEABLE AROMATICS		**E602**			Analyst: **SO**
1,2-Dichlorobenzene	< 1.0	1.0	µg/L	1	4/11/2003
ICP METALS		**E200.7**	**(SW3010A)**		Analyst: **KH**
Arsenic	< 0.005	0.005	mg/L	1	4/16/2003
Barium	0.423	0.010	mg/L	1	4/16/2003
Cadmium	< 0.005	0.005	mg/L	1	4/16/2003
Chromium	< 0.005	0.005	mg/L	1	4/16/2003
Iron	67.9	0.050	mg/L	1	4/16/2003
Lead	< 0.005	0.005	mg/L	1	4/16/2003
Manganese	1.20	0.020	mg/L	1	4/16/2003
Selenium	< 0.005	0.005	mg/L	1	4/16/2003
Silver	< 0.010	0.010	mg/L	1	4/16/2003
Sodium	59.0	0.050	mg/L	1	4/16/2003
MERCURY IN WATER		**E245.1**	**(E245.1)**		Analyst: **SM**
Mercury	< 0.0002	0.0002	mg/L	1	4/9/2003
ALKALINITY		**E310.1**			Analyst: **LS**
Alkalinity, Total (As CaCO3)	380	1	mg/L CaCO3	1	4/9/2003
AMMONIA AS N		**E350.1**			Analyst: **KS**
Nitrogen, Ammonia (As N)	8.9	0.1	mg/L	1	4/16/2003
CHLORIDE		**E300**			Analyst: **SH**
Chloride	124	1.00	mg/L	1	4/21/2003
TOTAL NITRITE / NITRATE AS N		**E353.1**			Analyst: **KS**
Nitrogen, Nitrate-Nitrite	1.00	0.02	mg/L	1	4/15/2003
PHENOLS, TOTAL		**E420.1**			Analyst: **LS**
Phenolics, Total Recoverable	< 0.002	0.002	mg/L	1	4/21/2003
SULFATE		**E300**			Analyst: **PL**
Sulfate	13	2.00	mg/L	1	4/10/2003
TOTAL DISSOLVED SOLIDS		**E160.1**			Analyst: **LS**
TDS (Residue, Filterable)	610	5	mg/L	1	4/10/2003

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *24-Apr-03*

CLIENT: Acton, Town of
Project: Landfill Samples

Lab Order: 030408010

Lab ID: 030408010-003
Client Sample ID: L-14

Collection Date: 4/3/2003
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PURGEABLE HALOCARBONS		**E601**				Analyst: **SO**
Chloromethane	< 1.0	1.0		µg/L	1	4/11/2003
Bromomethane	< 1.0	1.0		µg/L	1	4/11/2003
Dichlorodifluoromethane	< 1.0	1.0		µg/L	1	4/11/2003
Vinyl chloride	< 1.0	1.0		µg/L	1	4/11/2003
Chloroethane	< 1.0	1.0		µg/L	1	4/11/2003
Methylene chloride	< 1.0	1.0		µg/L	1	4/11/2003
Trichlorofluoromethane	< 1.0	1.0		µg/L	1	4/11/2003
1,1-Dichloroethene	< 1.0	1.0		µg/L	1	4/11/2003
1,1-Dichloroethane	< 1.0	1.0		µg/L	1	4/11/2003
cis-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	4/11/2003
trans-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	4/11/2003
Chloroform	< 1.0	1.0		µg/L	1	4/11/2003
1,2-Dichloroethane	< 1.0	1.0		µg/L	1	4/11/2003
1,1,1-Trichloroethane	< 1.0	1.0		µg/L	1	4/11/2003
Carbon tetrachloride	< 1.0	1.0		µg/L	1	4/11/2003
Bromodichloromethane	< 1.0	1.0		µg/L	1	4/11/2003
1,2-Dichloropropane	< 1.0	1.0		µg/L	1	4/11/2003
trans-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	4/11/2003
Trichloroethene	< 1.0	1.0		µg/L	1	4/11/2003
Dibromochloromethane	< 1.0	1.0		µg/L	1	4/11/2003
1,1,2-Trichloroethane	< 1.0	1.0		µg/L	1	4/11/2003
cis-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	4/11/2003
2-Chloroethyl vinyl ether	< 1.0	1.0		µg/L	1	4/11/2003
Bromoform	< 1.0	1.0		µg/L	1	4/11/2003
1,1,2,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	4/11/2003
Tetrachloroethene	< 1.0	1.0		µg/L	1	4/11/2003
Chlorobenzene	< 1.0	1.0		µg/L	1	4/11/2003
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/11/2003
1,4-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/11/2003
1,2-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/11/2003
PURGEABLE AROMATICS		**E602**				Analyst: **SO**
Benzene	< 0.5	0.5		µg/L	1	4/11/2003
Toluene	< 1.0	1.0		µg/L	1	4/11/2003
Ethylbenzene	< 1.0	1.0		µg/L	1	4/11/2003
m,p-Xylene	< 1.0	1.0		µg/L	1	4/11/2003
o-Xylene	< 1.0	1.0		µg/L	1	4/11/2003
Chlorobenzene	< 1.0	1.0		µg/L	1	4/11/2003
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/11/2003
1,4-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/11/2003

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *24-Apr-03*

CLIENT: Acton, Town of
Project: Landfill Samples
Lab Order: 030408010

PURGEABLE AROMATICS		**E602**			Analyst: **SO**
1,2-Dichlorobenzene	< 1.0	1.0	µg/L	1	4/11/2003
ICP METALS		**E200.7**	**(SW3010A)**		Analyst: **KH**
Arsenic	< 0.005	0.005	mg/L	1	4/16/2003
Barium	0.098	0.010	mg/L	1	4/16/2003
Cadmium	< 0.005	0.005	mg/L	1	4/16/2003
Chromium	0.014	0.005	mg/L	1	4/16/2003
Iron	18.0	0.050	mg/L	1	4/16/2003
Lead	< 0.005	0.005	mg/L	1	4/16/2003
Manganese	1.15	0.020	mg/L	1	4/16/2003
Selenium	< 0.005	0.005	mg/L	1	4/16/2003
Silver	< 0.010	0.010	mg/L	1	4/16/2003
Sodium	82.2	0.050	mg/L	1	4/16/2003
MERCURY IN WATER		**E245.1**	**(E245.1)**		Analyst: **SM**
Mercury	< 0.0002	0.0002	mg/L	1	4/9/2003
ALKALINITY		**E310.1**			Analyst: **LS**
Alkalinity, Total (As CaCO3)	35	1	mg/L CaCO3	1	4/9/2003
AMMONIA AS N		**E350.1**			Analyst: **KS**
Nitrogen, Ammonia (As N)	0.4	0.1	mg/L	1	4/16/2003
CHLORIDE		**E300**			Analyst: **SH**
Chloride	353	1.00	mg/L	1	4/21/2003
TOTAL NITRITE / NITRATE AS N		**E353.1**			Analyst: **KS**
Nitrogen, Nitrate-Nitrite	0.02	0.02	mg/L	1	4/15/2003
PHENOLS, TOTAL		**E420.1**			Analyst: **LS**
Phenolics, Total Recoverable	< 0.002	0.002	mg/L	1	4/21/2003
SULFATE		**E300**			Analyst: **PL**
Sulfate	7	2.00	mg/L	1	4/10/2003
TOTAL DISSOLVED SOLIDS		**E160.1**			Analyst: **LS**
TDS (Residue, Filterable)	570	5	mg/L	1	4/10/2003

Qualifiers:
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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *24-Apr-03*

CLIENT: Acton, Town of
Project: Landfill Samples

Lab Order: 030408010

Lab ID: 030408010-004
Client Sample ID: L-11

Collection Date: 4/3/2003
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS		**E200.7**		**(SW3010A)**		Analyst: **KH**
Iron	67.3	0.050		mg/L	1	4/16/2003
Lead	< 0.005	0.005		mg/L	1	4/16/2003
Manganese	2.10	0.020		mg/L	1	4/16/2003
Sodium	66.7	0.050		mg/L	1	4/16/2003
ALKALINITY		**E310.1**				Analyst: **LS**
Alkalinity, Total (As CaCO3)	9	1		mg/L CaCO3	1	4/9/2003
AMMONIA AS N		**E350.1**				Analyst: **KS**
Nitrogen, Ammonia (As N)	0.3	0.1		mg/L	1	4/16/2003
CHLORIDE		**E300**				Analyst: **SH**
Chloride	255	1.00		mg/L	1	4/21/2003
TOTAL NITRITE / NITRATE AS N		**E353.1**				Analyst: **KS**
Nitrogen, Nitrate-Nitrite	0.04	0.02		mg/L	1	4/15/2003
SULFATE		**E300**				Analyst: **PL**
Sulfate	11	2.00		mg/L	1	4/10/2003
TOTAL DISSOLVED SOLIDS		**E160.1**				Analyst: **LS**
TDS (Residue, Filterable)	500	5		mg/L	1	4/10/2003

Qualifiers:

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J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *24-Apr-03*

CLIENT: Acton, Town of
Project: Landfill Samples

Lab Order: 030408010

Lab ID: 030408010-005
Client Sample ID: L-13

Collection Date: 4/3/2003
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PURGEABLE HALOCARBONS		**E601**				Analyst: **SO**
Chloromethane	< 1.0	1.0		µg/L	1	4/11/2003
Bromomethane	< 1.0	1.0		µg/L	1	4/11/2003
Dichlorodifluoromethane	10	1.0		µg/L	1	4/11/2003
Vinyl chloride	< 1.0	1.0		µg/L	1	4/11/2003
Chloroethane	< 1.0	1.0		µg/L	1	4/11/2003
Methylene chloride	< 1.0	1.0		µg/L	1	4/11/2003
Trichlorofluoromethane	< 1.0	1.0		µg/L	1	4/11/2003
1,1-Dichloroethene	< 1.0	1.0		µg/L	1	4/11/2003
1,1-Dichloroethane	< 1.0	1.0		µg/L	1	4/11/2003
cis-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	4/11/2003
trans-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	4/11/2003
Chloroform	< 1.0	1.0		µg/L	1	4/11/2003
1,2-Dichloroethane	< 1.0	1.0		µg/L	1	4/11/2003
1,1,1-Trichloroethane	< 1.0	1.0		µg/L	1	4/11/2003
Carbon tetrachloride	< 1.0	1.0		µg/L	1	4/11/2003
Bromodichloromethane	< 1.0	1.0		µg/L	1	4/11/2003
1,2-Dichloropropane	< 1.0	1.0		µg/L	1	4/11/2003
trans-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	4/11/2003
Trichloroethene	< 1.0	1.0		µg/L	1	4/11/2003
Dibromochloromethane	< 1.0	1.0		µg/L	1	4/11/2003
1,1,2-Trichloroethane	< 1.0	1.0		µg/L	1	4/11/2003
cis-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	4/11/2003
2-Chloroethyl vinyl ether	< 1.0	1.0		µg/L	1	4/11/2003
Bromoform	< 1.0	1.0		µg/L	1	4/11/2003
1,1,2,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	4/11/2003
Tetrachloroethene	< 1.0	1.0		µg/L	1	4/11/2003
Chlorobenzene	1	1.0		µg/L	1	4/11/2003
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/11/2003
1,4-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/11/2003
1,2-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/11/2003
PURGEABLE AROMATICS		**E602**				Analyst: **SO**
Benzene	3.6	0.5		µg/L	1	4/11/2003
Toluene	< 1.0	1.0		µg/L	1	4/11/2003
Ethylbenzene	< 1.0	1.0		µg/L	1	4/11/2003
m,p-Xylene	< 1.0	1.0		µg/L	1	4/11/2003
o-Xylene	< 1.0	1.0		µg/L	1	4/11/2003
Chlorobenzene	1.4	1.0		µg/L	1	4/11/2003
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/11/2003
1,4-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/11/2003

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *24-Apr-03*

CLIENT: Acton, Town of
Project: Landfill Samples
Lab Order: 030408010

PURGEABLE AROMATICS		**E602**			Analyst: **SO**
1,2-Dichlorobenzene	< 1.0	1.0	µg/L	1	4/11/2003
ICP METALS		**E200.7**	**(SW3010A)**		Analyst: **KH**
Arsenic	< 0.005	0.005	mg/L	1	4/16/2003
Barium	0.904	0.010	mg/L	1	4/16/2003
Cadmium	< 0.005	0.005	mg/L	1	4/16/2003
Chromium	< 0.005	0.005	mg/L	1	4/16/2003
Iron	112	0.050	mg/L	1	4/16/2003
Lead	< 0.005	0.005	mg/L	1	4/16/2003
Manganese	4.57	0.020	mg/L	1	4/16/2003
Selenium	< 0.005	0.005	mg/L	1	4/16/2003
Silver	< 0.010	0.010	mg/L	1	4/16/2003
Sodium	250	0.050	mg/L	1	4/16/2003
MERCURY IN WATER		**E245.1**	**(E245.1)**		Analyst: **SM**
Mercury	< 0.0002	0.0002	mg/L	1	4/9/2003
ALKALINITY		**E310.1**			Analyst: **LS**
Alkalinity, Total (As CaCO3)	870	1	mg/L CaCO3	1	4/9/2003
AMMONIA AS N		**E350.1**			Analyst: **KS**
Nitrogen, Ammonia (As N)	54.0	0.1	mg/L	1	4/16/2003
CHLORIDE		**E300**			Analyst: **SH**
Chloride	365	1.00	mg/L	1	4/21/2003
TOTAL NITRITE / NITRATE AS N		**E353.1**			Analyst: **KS**
Nitrogen, Nitrate-Nitrite	0.26	0.02	mg/L	1	4/15/2003
PHENOLS, TOTAL		**E420.1**			Analyst: **LS**
Phenolics, Total Recoverable	0.003	0.002	mg/L	1	4/21/2003
SULFATE		**E300**			Analyst: **PL**
Sulfate	9	2.00	mg/L	1	4/10/2003
TOTAL DISSOLVED SOLIDS		**E160.1**			Analyst: **LS**
TDS (Residue, Filterable)	1600	5	mg/L	1	4/10/2003

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *24-Apr-03*

CLIENT: Acton, Town of
Project: Landfill Samples

Lab Order: 030408010

Lab ID: 030408010-006
Client Sample ID: L-2

Collection Date: 4/3/2003
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PURGEABLE HALOCARBONS		**E601**				Analyst: **SO**
Chloromethane	< 1.0	1.0		µg/L	1	4/11/2003
Bromomethane	< 1.0	1.0		µg/L	1	4/11/2003
Dichlorodifluoromethane	< 1.0	1.0		µg/L	1	4/11/2003
Vinyl chloride	< 1.0	1.0		µg/L	1	4/11/2003
Chloroethane	< 1.0	1.0		µg/L	1	4/11/2003
Methylene chloride	< 1.0	1.0		µg/L	1	4/11/2003
Trichlorofluoromethane	< 1.0	1.0		µg/L	1	4/11/2003
1,1-Dichloroethene	< 1.0	1.0		µg/L	1	4/11/2003
1,1-Dichloroethane	< 1.0	1.0		µg/L	1	4/11/2003
cis-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	4/11/2003
trans-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	4/11/2003
Chloroform	< 1.0	1.0		µg/L	1	4/11/2003
1,2-Dichloroethane	< 1.0	1.0		µg/L	1	4/11/2003
1,1,1-Trichloroethane	< 1.0	1.0		µg/L	1	4/11/2003
Carbon tetrachloride	< 1.0	1.0		µg/L	1	4/11/2003
Bromodichloromethane	< 1.0	1.0		µg/L	1	4/11/2003
1,2-Dichloropropane	< 1.0	1.0		µg/L	1	4/11/2003
trans-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	4/11/2003
Trichloroethene	< 1.0	1.0		µg/L	1	4/11/2003
Dibromochloromethane	< 1.0	1.0		µg/L	1	4/11/2003
1,1,2-Trichloroethane	< 1.0	1.0		µg/L	1	4/11/2003
cis-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	4/11/2003
2-Chloroethyl vinyl ether	< 1.0	1.0		µg/L	1	4/11/2003
Bromoform	< 1.0	1.0		µg/L	1	4/11/2003
1,1,2,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	4/11/2003
Tetrachloroethene	< 1.0	1.0		µg/L	1	4/11/2003
Chlorobenzene	< 1.0	1.0		µg/L	1	4/11/2003
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/11/2003
1,4-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/11/2003
1,2-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/11/2003
PURGEABLE AROMATICS		**E602**				Analyst: **SO**
Benzene	< 0.5	0.5		µg/L	1	4/11/2003
Toluene	< 1.0	1.0		µg/L	1	4/11/2003
Ethylbenzene	< 1.0	1.0		µg/L	1	4/11/2003
m,p-Xylene	< 1.0	1.0		µg/L	1	4/11/2003
o-Xylene	< 1.0	1.0		µg/L	1	4/11/2003
Chlorobenzene	< 1.0	1.0		µg/L	1	4/11/2003
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/11/2003
1,4-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/11/2003

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *24-Apr-03*

CLIENT: Acton, Town of
Project: Landfill Samples
Lab Order: 030408010

PURGEABLE AROMATICS		**E602**			Analyst: **SO**
1,2-Dichlorobenzene	< 1.0	1.0	µg/L	1	4/11/2003
ICP METALS		**E200.7**	**(SW3010A)**		Analyst: **KH**
Arsenic	< 0.005	0.005	mg/L	1	4/16/2003
Barium	0.127	0.010	mg/L	1	4/16/2003
Cadmium	< 0.005	0.005	mg/L	1	4/16/2003
Chromium	0.010	0.005	mg/L	1	4/16/2003
Iron	56.0	0.050	mg/L	1	4/16/2003
Lead	0.010	0.005	mg/L	1	4/16/2003
Manganese	0.496	0.020	mg/L	1	4/16/2003
Selenium	< 0.005	0.005	mg/L	1	4/16/2003
Silver	< 0.010	0.010	mg/L	1	4/16/2003
Sodium	30.6	0.050	mg/L	1	4/16/2003
MERCURY IN WATER		**E245.1**	**(E245.1)**		Analyst: **SM**
Mercury	< 0.0002	0.0002	mg/L	1	4/9/2003
ALKALINITY		**E310.1**			Analyst: **LS**
Alkalinity, Total (As CaCO3)	55	1	mg/L CaCO3	1	4/9/2003
AMMONIA AS N		**E350.1**			Analyst: **KS**
Nitrogen, Ammonia (As N)	< 0.1	0.1	mg/L	1	4/16/2003
CHLORIDE		**E300**			Analyst: **SH**
Chloride	65.0	1.00	mg/L	1	4/21/2003
TOTAL NITRITE / NITRATE AS N		**E353.1**			Analyst: **KS**
Nitrogen, Nitrate-Nitrite	0.44	0.02	mg/L	1	4/15/2003
SULFATE		**E300**			Analyst: **PL**
Sulfate	15	2.00	mg/L	1	4/10/2003
TOTAL DISSOLVED SOLIDS		**E160.1**			Analyst: **LS**
TDS (Residue, Filterable)	220	5	mg/L	1	4/10/2003

Qualifiers:

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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *24-Apr-03*

CLIENT: Acton, Town of
Project: Landfill Samples

Lab Order: 030408010

Lab ID: 030408010-007
Client Sample ID: L-12

Collection Date: 4/3/2003
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PURGEABLE HALOCARBONS		**E601**				Analyst: **SO**
Chloromethane	< 1.0	1.0		µg/L	1	4/11/2003
Bromomethane	< 1.0	1.0		µg/L	1	4/11/2003
Dichlorodifluoromethane	61	1.0		µg/L	1	4/11/2003
Vinyl chloride	< 1.0	1.0		µg/L	1	4/11/2003
Chloroethane	< 1.0	1.0		µg/L	1	4/11/2003
Methylene chloride	< 1.0	1.0		µg/L	1	4/11/2003
Trichlorofluoromethane	< 1.0	1.0		µg/L	1	4/11/2003
1,1-Dichloroethene	< 1.0	1.0		µg/L	1	4/11/2003
1,1-Dichloroethane	< 1.0	1.0		µg/L	1	4/11/2003
cis-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	4/11/2003
trans-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	4/11/2003
Chloroform	< 1.0	1.0		µg/L	1	4/11/2003
1,2-Dichloroethane	< 1.0	1.0		µg/L	1	4/11/2003
1,1,1-Trichloroethane	< 1.0	1.0		µg/L	1	4/11/2003
Carbon tetrachloride	< 1.0	1.0		µg/L	1	4/11/2003
Bromodichloromethane	< 1.0	1.0		µg/L	1	4/11/2003
1,2-Dichloropropane	< 1.0	1.0		µg/L	1	4/11/2003
trans-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	4/11/2003
Trichloroethene	< 1.0	1.0		µg/L	1	4/11/2003
Dibromochloromethane	< 1.0	1.0		µg/L	1	4/11/2003
1,1,2-Trichloroethane	< 1.0	1.0		µg/L	1	4/11/2003
cis-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	4/11/2003
2-Chloroethyl vinyl ether	< 1.0	1.0		µg/L	1	4/11/2003
Bromoform	< 1.0	1.0		µg/L	1	4/11/2003
1,1,2,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	4/11/2003
Tetrachloroethene	< 1.0	1.0		µg/L	1	4/11/2003
Chlorobenzene	23	1.0		µg/L	1	4/11/2003
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/11/2003
1,4-Dichlorobenzene	1	1.0		µg/L	1	4/11/2003
1,2-Dichlorobenzene	1	1.0		µg/L	1	4/11/2003
PURGEABLE AROMATICS		**E602**				Analyst: **SO**
Benzene	1.3	0.5		µg/L	1	4/11/2003
Toluene	< 1.0	1.0		µg/L	1	4/11/2003
Ethylbenzene	< 1.0	1.0		µg/L	1	4/11/2003
m,p-Xylene	< 1.0	1.0		µg/L	1	4/11/2003
o-Xylene	< 1.0	1.0		µg/L	1	4/11/2003
Chlorobenzene	23	1.0		µg/L	1	4/11/2003
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/11/2003
1,4-Dichlorobenzene	1.2	1.0		µg/L	1	4/11/2003

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *24-Apr-03*

CLIENT: Acton, Town of
Project: Landfill Samples
Lab Order: 030408010

PURGEABLE AROMATICS		**E602**			Analyst: **SO**
1,2-Dichlorobenzene	< 1.0	1.0	µg/L	1	4/11/2003
ICP METALS		**E200.7**	**(SW3010A)**		Analyst: **KH**
Arsenic	< 0.005	0.005	mg/L	1	4/16/2003
Barium	0.166	0.010	mg/L	1	4/16/2003
Cadmium	< 0.005	0.005	mg/L	1	4/16/2003
Chromium	< 0.005	0.005	mg/L	1	4/16/2003
Iron	68.6	0.050	mg/L	1	4/16/2003
Lead	< 0.005	0.005	mg/L	1	4/16/2003
Manganese	0.952	0.020	mg/L	1	4/16/2003
Selenium	< 0.005	0.005	mg/L	1	4/16/2003
Silver	< 0.010	0.010	mg/L	1	4/16/2003
Sodium	56.0	0.050	mg/L	1	4/16/2003
MERCURY IN WATER		**E245.1**	**(E245.1)**		Analyst: **SM**
Mercury	< 0.0002	0.0002	mg/L	1	4/9/2003
ALKALINITY		**E310.1**			Analyst: **LS**
Alkalinity, Total (As CaCO3)	580	1	mg/L CaCO3	1	4/9/2003
AMMONIA AS N		**E350.1**			Analyst: **KS**
Nitrogen, Ammonia (As N)	18.0	0.1	mg/L	1	4/16/2003
CHLORIDE		**E300**			Analyst: **SH**
Chloride	93.0	1.00	mg/L	1	4/21/2003
TOTAL NITRITE / NITRATE AS N		**E353.1**			Analyst: **KS**
Nitrogen, Nitrate-Nitrite	0.02	0.02	mg/L	1	4/15/2003
SULFATE		**E300**			Analyst: **PL**
Sulfate	2	2.00	mg/L	1	4/10/2003
TOTAL DISSOLVED SOLIDS		**E160.1**			Analyst: **LS**
TDS (Residue, Filterable)	795	5	mg/L	1	4/10/2003

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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *24-Apr-03*

CLIENT: Acton, Town of
Project: Landfill Samples

Lab Order: 030408010

Lab ID: 030408010-008
Client Sample ID: Trip Blank Lot# 067

Collection Date: 1/29/2003
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PURGEABLE HALOCARBONS		**E601**				Analyst: **SO**
Chloromethane	< 1.0	1.0		µg/L	1	4/11/2003
Bromomethane	< 1.0	1.0		µg/L	1	4/11/2003
Dichlorodifluoromethane	< 1.0	1.0		µg/L	1	4/11/2003
Vinyl chloride	< 1.0	1.0		µg/L	1	4/11/2003
Chloroethane	< 1.0	1.0		µg/L	1	4/11/2003
Methylene chloride	< 1.0	1.0		µg/L	1	4/11/2003
Trichlorofluoromethane	< 1.0	1.0		µg/L	1	4/11/2003
1,1-Dichloroethene	< 1.0	1.0		µg/L	1	4/11/2003
1,1-Dichloroethane	< 1.0	1.0		µg/L	1	4/11/2003
cis-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	4/11/2003
trans-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	4/11/2003
Chloroform	< 1.0	1.0		µg/L	1	4/11/2003
1,2-Dichloroethane	< 1.0	1.0		µg/L	1	4/11/2003
1,1,1-Trichloroethane	< 1.0	1.0		µg/L	1	4/11/2003
Carbon tetrachloride	< 1.0	1.0		µg/L	1	4/11/2003
Bromodichloromethane	< 1.0	1.0		µg/L	1	4/11/2003
1,2-Dichloropropane	< 1.0	1.0		µg/L	1	4/11/2003
trans-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	4/11/2003
Trichloroethene	< 1.0	1.0		µg/L	1	4/11/2003
Dibromochloromethane	< 1.0	1.0		µg/L	1	4/11/2003
1,1,2-Trichloroethane	< 1.0	1.0		µg/L	1	4/11/2003
cis-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	4/11/2003
2-Chloroethyl vinyl ether	< 1.0	1.0		µg/L	1	4/11/2003
Bromoform	< 1.0	1.0		µg/L	1	4/11/2003
1,1,2,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	4/11/2003
Tetrachloroethene	< 1.0	1.0		µg/L	1	4/11/2003
Chlorobenzene	< 1.0	1.0		µg/L	1	4/11/2003
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/11/2003
1,4-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/11/2003
1,2-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/11/2003
PURGEABLE AROMATICS		**E602**				Analyst: **SO**
Benzene	< 0.5	0.5		µg/L	1	4/11/2003
Toluene	< 1.0	1.0		µg/L	1	4/11/2003
Ethylbenzene	< 1.0	1.0		µg/L	1	4/11/2003
m,p-Xylene	< 1.0	1.0		µg/L	1	4/11/2003
o-Xylene	< 1.0	1.0		µg/L	1	4/11/2003
Chlorobenzene	< 1.0	1.0		µg/L	1	4/11/2003
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/11/2003
1,4-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/11/2003

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *24-Apr-03*

CLIENT: Acton, Town of
Project: Landfill Samples

Lab Order: 030408010

PURGEABLE AROMATICS — **E602** — Analyst: **SO**

1,2-Dichlorobenzene	< 1.0	1.0	µg/L	1	4/11/2003

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

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314 North Pearl Street
Albany, New York 12207
518-434-4546/434-0891 FAX

1 of 3

CHAIN OF CUSTODY RECORD

A full service analytical research laboratory offering solutions to environmental concerns

Client Name: Corey York / Town of Acton	Address: 472 Main Street Acton, MA 01720
Send Report To: Corey York	Project Name (Location): Town of Acton Landfill
Client Phone No: 978 264-9628	PO Number: 151900
Client Fax No: 978 264-9630	Samplers: (Names): Corey York / David Abbt
	Samplers: (Signature): [signature] David Abbt

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.	Sample Type Matrix	Comp	Grab	Number of Cont's	Analysis Required
	S-8	4/2/03	10 A P	GW			2	Volatile Organics
001	S-8	4/2/03	10 A P				1	Ammonia/Nitrate
	S-8	4/2/03	10 A P				1	Metals
	S-8	4/2/03	10 A P				1	Alkalinity/Chloride TDS/Sulfate
	L-15	4/3/03	2 A P				2	Volatile Organics
	L-15	4/3/03	2 A P				1	Ammonia/Nitrate
002	L-15	4/3/03	2 A P				1	Metals
	L-15	4/3/03	2 A P				1	Alkalinity/Chloride TDS/Sulfate
	L-15	4/3/03	2 A P				1	Phenols
	L-14	4/3/03	3 A P				2	Volatile Organics
003	L-14 D30408010	4/3/03	3 A P				1	Ammonia/Nitrate
	L-14	4/3/03	3 A P				1	Metals
	L-14	4/3/03	3 A P				1	Alkalinity/Chloride TDS/Sulfate
	L-14	4/3/03	3 A P				1	Phenols

Turnaround Time Request:
☐ 1 Day ☐ 3 Day ☐ Normal
☐ 2 Day ☐ 5 Day

CC Report To:

Special Instructions/Remarks
Attached herewith is a table showing the types of analyses required for each sample taken around the landfill.
Corey York

Relinquished by: (Signature) [signature]	Received by: (Signature) [signature]	Date/Time 4/7/03 4:20pm
Relinquished by: (Signature)	Received for Laboratory by: ML	Date/Time 4/8/03 9:30

Temperature
Ambient or Chilled
Notes:

Properly Preserved
Y N
Notes:

Received Within Holding Times
Y N
Notes:

WHITE - Lab Copy YELLOW - Sampler Copy PINK - Generator Copy

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314 North Pearl Street
Albany, New York 12207
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2 of 3

CHAIN OF CUSTODY RECORD

A full service analytical research laboratory offering solutions to environmental concerns

Client Name: Corey York / Town of Acton	Address: 472 Main Street Acton MA 01720
Send Report To: Corey York	Project Name (Location): Town of Acton Landfill
Client Phone No: 978 264-9629	Samplers: (Names): Corey York / David Abbt
Client Fax No: 978 264-9630	PO Number: 151900
	Samplers: (Signature): [signature] [signature]

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.		Sample Type Matrix	Comp	Grab	Number of Cont's	Analysis Required
	L-11	4/3/03	9	A P	GW			1	Ammonia/Nitrate
004	L-11	4/3/03	9	A P	↓			1	Metals
	L-11	4/3/03	9	A P	↓			1	Alkalinity / Chloride TDS / Sulfate
				A P					
				A P					
				A P					
				A P					
	030908010			A P					
				A P					
				A P					
				A P					
				A P					
				A P					

Turnaround Time Request:
☐ 1 Day ☐ 3 Day ☐ Normal
☐ 2 Day ☐ 5 Day

CC Report To:

Special Instructions/Remarks
Attached herewith is a table showing the types of analyses required for each sample taken around the landfill.
Corey York

Relinquished by: (Signature) [signature]	Received by: (Signature) [signature]	Date/Time 4/7/03 / 4:20 PM
Relinquished by: (Signature)	Received for Laboratory by: ML	Date/Time 4/8/03 420

Temperature	Properly Preserved	Received Within Holding Times
Ambient or Chilled	Y N	Y N
Notes:	Notes:	Notes:

WHITE - Lab Copy YELLOW - Sampler Copy PINK - Generator Copy

Adirondack Environmental Services, Inc.
314 North Pearl Street
Albany, New York 12207
518-434-4546/434-0891 FAX

3 of 3

CHAIN OF CUSTODY RECORD

A full service analytical research laboratory offering solutions to environmental concerns

Client Name: Corey York (Town of Acton	Address: 472 Main Street Acton MA 01720
Send Report To: Corey York	Project Name (Location): Town of Acton Landfill
Client Phone No: 978 264 9628	PO Number: 151900
Client Fax No: 978 264 9630	
Samplers: (Names): Corey York / David Abbt	
Samplers: (Signature): [signature]	

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.	Sample Type Matrix	Comp	Grab	Number of Cont's	Analysis Required
	L-13	4/3/03	1 A/P	GW			2	Volatile Organics
005	L-13	4/3/03	1 A/P				1	Metals
	L-13	4/3/03	1 A/P				1	Ammonia/Nitrate
	L-13	4/3/03	1 A/P				1	Alkalinity/Chloride TDS/Sulfate
	L-13	4/3/03	1 A/P				1	Phenols
007	L-12	4/3/03	11 A/P				2	Volatile Organics ~~Phenols~~
	L-12	4/3/03	11 A/P				1	Ammonia/Nitrate
	L-12	4/3/03	11 A/P				1	Metals
	L-12	4/3/03	11 A/P				1	Alkalinity/Chloride TDS/Sulfate
	L-2 030408010	4/3/03	10 A/P				2	Volatile Organics
	L-2	4/3/03	10 A/P				1	Ammonia/Nitrate
006	L-2	4/3/03	10 A/P				1	Metals
	L-2	4/3/03	10 A/P				1	Alkalinity/Chloride TDS/Sulfate
008	TRIP BLANK Lot#67 11/29/03		— A/P	WA			1	VOC's

Turnaround Time Request:
☐ 1 Day ☐ 3 Day ☐ Normal
☐ 2 Day ☐ 5 Day

CC Report To:

Special Instructions/Remarks
Attached herewith is a table showing the types of analyses required for each sample taken around the landfill.
Corey York

Relinquished by: (Signature) [signature]	Received by: (Signature) [signature]	Date/Time 4/7/03 4:20 PM
Relinquished by: (Signature)	Received for Laboratory by: ML	Date/Time 4/8/03 420

Temperature	Properly Preserved	Received Within Holding Times
Ambient or Chilled	Y N	Y N
Notes:	Notes:	Notes:

WHITE - Lab Copy YELLOW - Sampler Copy PINK - Generator Copy

Adirondack Environmental Services, Inc.
Experience is the solution
314 North Pearl Street • Albany, New York 12207 • 800-848-4983 • (518) 434-4546 • Fax (518) 434-0891

TERMS, CONDITIONS & LIMITATIONS

All Services rendered by **Adirondack Environmental Services, Inc.** are undertaken and all rates are based upon the following terms:

(a) Neither **Adirondack Environmental Services, Inc.**, nor any of its employees, agents or sub-contractors shall be liable for any loss or damage arising out of **Adirondack Environmental Services, Inc.'s** performance or non-performance, whether by way of negligence or breach of contract, or otherwise, in any amount greater than twice the amount billed to the customer for the work leading to the claim of the customer. Said remedy shall be the sole and exclusive remedy against **Adirondack Environmental Services, Inc.** arising out of its work.

(b) All claims made must be in writing within forty-five (45) days after delivery of the **Adirondack Environmental Services, Inc.** report regarding said work or such claim shall be deemed as irrevocably waived.

(c) **Adirondack Environmental Services, Inc.** reports are submitted in writing and are for our customers only. Our customers are considered to be only those entities being billed for our services. Acquisition of an **Adirondack Environmental Services, Inc.** report by other than our customer does not constitute a representation of **Adirondack Environmental Services, Inc.** as to the accuracy of the contents thereof.

(d) In no event shall **Adirondack Environmental Services, Inc.**, its employees agents or sub-contractors be responsible for consequential or special damages of any kind or in any amount.

(e) No deviation from the terms set forth herein shall bind **Adirondack Environmental Services, Inc.** unless in writing and signed by a Director of **Adirondack Environmental Services, Inc.**

(f) Results pertain only to items analyzed. Information supplied by client is assumed to be correct. This information may be used on reports and in calculations and **Adirondack Environmental Services, Inc.** is not responsible for the accuracy of this information.

TOWN OF ACTON
472 Main Street
Acton, Massachusetts, 01720
Telephone (978) 264-9628
Fax (978) 264-9630

Engineering Department

June 9, 2004

Ms. Cheryl Poirier
Massachusetts Department of Environmental Protection
627 Main Street
Worcester, Massachusetts 01608

Dear Ms. Poirier:

Please find attached the groundwater analyses of wells at the former Acton Landfill. The Acton Engineering Department collected the groundwater samples on April 21, 2004. Adirondack Environmental Services Incorporated performed the lab work between April 23 and May 4, 2004.

If you should require any additional information or have any questions, please contact me at (978) 264-9628.

Sincerely,

Corey S. York
Engineering Assistant

csy

2004

Adirondack Environmental Services Inc.®
Experience is the solution
314 North Pearl Street ♦ Albany, New York 12207
(800) 848-4983 ♦ (518) 434-4546 ♦ Fax (518) 434-0891

May 20, 2004

Corey York
Acton, Town of
Engineering Dept.
472 Main Street
Acton, MA 01720

TEL: 978 264 9628
FAX: 978 264 9630

RE: Town Landfill

Order No.: 040423002

Dear Corey York:

Adirondack Environmental Services, Inc received 8 samples on 4/23/2004 for the analyses presented in the following report.

There were no problems with the analyses and all associated QC met EPA or laboratory specifications, except if noted.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

ELAP#: 10709
AIHA#: 100307

Christopher Hess
QA Manager

Adirondack Environmental Services, Inc **Date:** *20-May-04*

CLIENT: Acton, Town of
Project: Town Landfill
Lab Order: 040423002

CASE NARRATIVE

Analytical Comments for METHOD AMMONIA_W, SAMPLE 040423002-005C: pH not <2
Analytical Comments for METHOD AMMONIA_W, SAMPLE 040423002-006C: pH not <2
Analytical Comments for METHOD AMMONIA_W, SAMPLE 040423002-007C: pH not <2

Adirondack Environmental Services, Inc

Date: *20-May-04*

CLIENT: Acton, Town of
Lab Order: 040423002
Project: Town Landfill
Lab ID: 040423002-001

Client Sample ID: L-11
Collection Date: 4/21/2004
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS		**E200.7**		**(SW3010A)**		Analyst: **KH**
Iron	78.1	0.050		mg/L	1	5/4/2004 2:07:00 PM
Lead	0.024	0.005		mg/L	1	5/4/2004 2:07:00 PM
Manganese	2.75	0.020		mg/L	1	5/4/2004 2:07:00 PM
Sodium	86.8	0.050		mg/L	1	5/4/2004 2:07:00 PM
ANIONS BY ION CHROMATOGRAPHY		**E300**				Analyst: **SH**
Chloride	362	1.00		mg/L	1	5/4/2004
Nitrogen, Nitrate (As N)	0.05	0.02		mg/L	1	4/23/2004
Sulfate	11.0	2.00		mg/L	1	4/23/2004
ALKALINITY		**E310.1**				Analyst: **LS**
Alkalinity, Total (As CaCO3)	< 1	1		mg/L CaCO3	1	5/3/2004
AMMONIA AS N		**E350.1**				Analyst: **KS**
Nitrogen, Ammonia (As N)	0.3	0.1		mg/L	1	5/3/2004
TOTAL DISSOLVED SOLIDS		**E160.1**				Analyst: **LS**
TDS (Residue, Filterable)	615	5		mg/L	1	4/27/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *20-May-04*

CLIENT: Acton, Town of
Lab Order: 040423002
Project: Town Landfill
Lab ID: 040423002-002

Client Sample ID: L-12
Collection Date: 4/21/2004
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
PURGEABLE HALOCARBONS		**E601**				Analyst: **SO**
Dichlorodifluoromethane	13	1.0		µg/L	1	5/3/2004
Chloromethane	< 1.0	1.0		µg/L	1	5/3/2004
Vinyl chloride	< 1.0	1.0		µg/L	1	5/3/2004
Bromomethane	< 1.0	1.0		µg/L	1	5/3/2004
Chloroethane	2.7	1.0		µg/L	1	5/3/2004
Trichlorofluoromethane	< 1.0	1.0		µg/L	1	5/3/2004
1,1-Dichloroethene	< 1.0	1.0		µg/L	1	5/3/2004
Methylene chloride	< 1.0	1.0		µg/L	1	5/3/2004
trans-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	5/3/2004
1,1-Dichloroethane	< 1.0	1.0		µg/L	1	5/3/2004
cis-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	5/3/2004
Chloroform	< 1.0	1.0		µg/L	1	5/3/2004
1,1,1-Trichloroethane	< 1.0	1.0		µg/L	1	5/3/2004
Carbon tetrachloride	< 1.0	1.0		µg/L	1	5/3/2004
1,2-Dichloroethane	< 1.0	1.0		µg/L	1	5/3/2004
Trichloroethene	< 1.0	1.0		µg/L	1	5/3/2004
1,2-Dichloropropane	< 1.0	1.0		µg/L	1	5/3/2004
Bromodichloromethane	< 1.0	1.0		µg/L	1	5/3/2004
cis-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	5/3/2004
trans-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	5/3/2004
1,1,2-Trichloroethane	< 1.0	1.0		µg/L	1	5/3/2004
Tetrachloroethene	< 1.0	1.0		µg/L	1	5/3/2004
Dibromochloromethane	< 1.0	1.0		µg/L	1	5/3/2004
Chlorobenzene	35	1.0		µg/L	1	5/3/2004
Bromoform	< 1.0	1.0		µg/L	1	5/3/2004
1,1,2,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	5/3/2004
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	5/3/2004
1,4-Dichlorobenzene	1.2	1.0		µg/L	1	5/3/2004
1,2-Dichlorobenzene	1.0	1.0		µg/L	1	5/3/2004
PURGEABLE AROMATICS		**E602**				Analyst: **SO**
Benzene	1.5	0.5		µg/L	1	5/3/2004
Toluene	< 1.0	1.0		µg/L	1	5/3/2004
Ethylbenzene	< 1.0	1.0		µg/L	1	5/3/2004
m,p-Xylene	< 1.0	1.0		µg/L	1	5/3/2004
o-Xylene	< 1.0	1.0		µg/L	1	5/3/2004
ICP METALS		**E200.7**		**(SW3010A)**		Analyst: **KH**
Arsenic	0.135	0.005		mg/L	1	5/4/2004 2:12:00 PM
Barium	0.185	0.010		mg/L	1	5/4/2004 2:12:00 PM
Cadmium	< 0.005	0.005		mg/L	1	5/4/2004 2:12:00 PM
Chromium	0.011	0.005		mg/L	1	5/4/2004 2:12:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *20-May-04*

CLIENT: Acton, Town of
Lab Order: 040423002
Project: Town Landfill
Lab ID: 040423002-002

Client Sample ID: L-12
Collection Date: 4/21/2004
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS		**E200.7**		**(SW3010A)**		Analyst: **KH**
Iron	78.8	0.050		mg/L	1	5/4/2004 2:12:00 PM
Lead	0.019	0.005		mg/L	1	5/4/2004 2:12:00 PM
Manganese	1.17	0.020		mg/L	1	5/4/2004 2:12:00 PM
Selenium	< 0.005	0.005		mg/L	1	5/4/2004 2:12:00 PM
Silver	< 0.010	0.010		mg/L	1	5/4/2004 2:12:00 PM
Sodium	67.0	0.050		mg/L	1	5/4/2004 2:12:00 PM
MERCURY IN WATER		**E245.1**		**(E245.1)**		Analyst: **KH**
Mercury	< 0.0002	0.0002		mg/L	1	4/28/2004
ANIONS BY ION CHROMATOGRAPHY		**E300**				Analyst: **SH**
Chloride	131	1.00		mg/L	1	5/4/2004
Nitrogen, Nitrate (As N)	0.04	0.02		mg/L	1	4/23/2004
Sulfate	2.10	2.00		mg/L	1	4/23/2004
ALKALINITY		**E310.1**				Analyst: **LS**
Alkalinity, Total (As CaCO3)	500	1		mg/L CaCO3	1	5/3/2004
AMMONIA AS N		**E350.1**				Analyst: **KS**
Nitrogen, Ammonia (As N)	19.3	0.1		mg/L	1	5/3/2004
TOTAL DISSOLVED SOLIDS		**E160.1**				Analyst: **LS**
TDS (Residue, Filterable)	680	5		mg/L	1	4/27/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *20-May-04*

CLIENT: Acton, Town of
Lab Order: 040423002
Project: Town Landfill
Lab ID: 040423002-003

Client Sample ID: L-13
Collection Date: 4/21/2004
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
PURGEABLE HALOCARBONS		**E601**				Analyst: **SO**
Dichlorodifluoromethane	5.8	1.0		µg/L	1	5/3/2004
Chloromethane	< 1.0	1.0		µg/L	1	5/3/2004
Vinyl chloride	< 1.0	1.0		µg/L	1	5/3/2004
Bromomethane	< 1.0	1.0		µg/L	1	5/3/2004
Chloroethane	1.6	1.0		µg/L	1	5/3/2004
Trichlorofluoromethane	< 1.0	1.0		µg/L	1	5/3/2004
1,1-Dichloroethene	< 1.0	1.0		µg/L	1	5/3/2004
Methylene chloride	< 1.0	1.0		µg/L	1	5/3/2004
trans-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	5/3/2004
1,1-Dichloroethane	< 1.0	1.0		µg/L	1	5/3/2004
cis-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	5/3/2004
Chloroform	< 1.0	1.0		µg/L	1	5/3/2004
1,1,1-Trichloroethane	< 1.0	1.0		µg/L	1	5/3/2004
Carbon tetrachloride	< 1.0	1.0		µg/L	1	5/3/2004
1,2-Dichloroethane	< 1.0	1.0		µg/L	1	5/3/2004
Trichloroethene	< 1.0	1.0		µg/L	1	5/3/2004
1,2-Dichloropropane	< 1.0	1.0		µg/L	1	5/3/2004
Bromodichloromethane	< 1.0	1.0		µg/L	1	5/3/2004
cis-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	5/3/2004
trans-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	5/3/2004
1,1,2-Trichloroethane	< 1.0	1.0		µg/L	1	5/3/2004
Tetrachloroethene	< 1.0	1.0		µg/L	1	5/3/2004
Dibromochloromethane	< 1.0	1.0		µg/L	1	5/3/2004
Chlorobenzene	2.9	1.0		µg/L	1	5/3/2004
Bromoform	< 1.0	1.0		µg/L	1	5/3/2004
1,1,2,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	5/3/2004
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	5/3/2004
1,4-Dichlorobenzene	< 1.0	1.0		µg/L	1	5/3/2004
1,2-Dichlorobenzene	< 1.0	1.0		µg/L	1	5/3/2004
PURGEABLE AROMATICS		**E602**				Analyst: **SO**
Benzene	2.8	0.5		µg/L	1	5/3/2004
Toluene	< 1.0	1.0		µg/L	1	5/3/2004
Ethylbenzene	< 1.0	1.0		µg/L	1	5/3/2004
m,p-Xylene	< 1.0	1.0		µg/L	1	5/3/2004
o-Xylene	< 1.0	1.0		µg/L	1	5/3/2004
ICP METALS		**E200.7**		**(SW3010A)**		Analyst: **KH**
Arsenic	< 0.005	0.005		mg/L	1	5/4/2004 2:26:00 PM
Barium	0.853	0.010		mg/L	1	5/4/2004 2:26:00 PM
Cadmium	< 0.005	0.005		mg/L	1	5/4/2004 2:26:00 PM
Chromium	0.023	0.005		mg/L	1	5/4/2004 2:26:00 PM

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *20-May-04*

CLIENT: Acton, Town of
Lab Order: 040423002
Project: Town Landfill
Lab ID: 040423002-003

Client Sample ID: L-13
Collection Date: 4/21/2004
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS		**E200.7**		**(SW3010A)**		Analyst: **KH**
Iron	96.1	0.050		mg/L	1	5/4/2004 2:26:00 PM
Lead	0.013	0.005		mg/L	1	5/4/2004 2:26:00 PM
Manganese	3.69	0.020		mg/L	1	5/4/2004 2:26:00 PM
Selenium	< 0.005	0.005		mg/L	1	5/4/2004 2:26:00 PM
Silver	< 0.010	0.010		mg/L	1	5/4/2004 2:26:00 PM
Sodium	274	0.500		mg/L	10	5/4/2004 2:32:00 PM
MERCURY IN WATER		**E245.1**		**(E245.1)**		Analyst: **KH**
Mercury	< 0.0002	0.0002		mg/L	1	4/28/2004
ANIONS BY ION CHROMATOGRAPHY		**E300**				Analyst: **SH**
Chloride	383	1.00		mg/L	1	5/4/2004
Nitrogen, Nitrate (As N)	0.17	0.02		mg/L	1	4/23/2004
Sulfate	6.40	2.00		mg/L	1	4/23/2004
ALKALINITY		**E310.1**				Analyst: **LS**
Alkalinity, Total (As CaCO3)	840	1		mg/L CaCO3	1	5/3/2004
AMMONIA AS N		**E350.1**				Analyst: **KS**
Nitrogen, Ammonia (As N)	55.0	0.1		mg/L	1	5/3/2004
PHENOLS, TOTAL		**E420.1**				Analyst: **LS**
Phenolics, Total Recoverable	0.002	0.002		mg/L	1	5/5/2004
TOTAL DISSOLVED SOLIDS		**E160.1**				Analyst: **LS**
TDS (Residue, Filterable)	1250	5		mg/L	1	4/27/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *20-May-04*

CLIENT: Acton, Town of
Lab Order: 040423002
Project: Town Landfill
Lab ID: 040423002-004

Client Sample ID: L-14
Collection Date: 4/21/2004
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
PURGEABLE HALOCARBONS		**E601**				Analyst: **SO**
Dichlorodifluoromethane	< 1.0	1.0		µg/L	1	5/3/2004
Chloromethane	< 1.0	1.0		µg/L	1	5/3/2004
Vinyl chloride	< 1.0	1.0		µg/L	1	5/3/2004
Bromomethane	< 1.0	1.0		µg/L	1	5/3/2004
Chloroethane	< 1.0	1.0		µg/L	1	5/3/2004
Trichlorofluoromethane	< 1.0	1.0		µg/L	1	5/3/2004
1,1-Dichloroethene	< 1.0	1.0		µg/L	1	5/3/2004
Methylene chloride	< 1.0	1.0		µg/L	1	5/3/2004
trans-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	5/3/2004
1,1-Dichloroethane	< 1.0	1.0		µg/L	1	5/3/2004
cis-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	5/3/2004
Chloroform	< 1.0	1.0		µg/L	1	5/3/2004
1,1,1-Trichloroethane	< 1.0	1.0		µg/L	1	5/3/2004
Carbon tetrachloride	< 1.0	1.0		µg/L	1	5/3/2004
1,2-Dichloroethane	< 1.0	1.0		µg/L	1	5/3/2004
Trichloroethene	< 1.0	1.0		µg/L	1	5/3/2004
1,2-Dichloropropane	< 1.0	1.0		µg/L	1	5/3/2004
Bromodichloromethane	< 1.0	1.0		µg/L	1	5/3/2004
cis-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	5/3/2004
trans-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	5/3/2004
1,1,2-Trichloroethane	< 1.0	1.0		µg/L	1	5/3/2004
Tetrachloroethene	< 1.0	1.0		µg/L	1	5/3/2004
Dibromochloromethane	< 1.0	1.0		µg/L	1	5/3/2004
Chlorobenzene	< 1.0	1.0		µg/L	1	5/3/2004
Bromoform	< 1.0	1.0		µg/L	1	5/3/2004
1,1,2,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	5/3/2004
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	5/3/2004
1,4-Dichlorobenzene	< 1.0	1.0		µg/L	1	5/3/2004
1,2-Dichlorobenzene	< 1.0	1.0		µg/L	1	5/3/2004
PURGEABLE AROMATICS		**E602**				Analyst: **SO**
Benzene	< 0.5	0.5		µg/L	1	5/3/2004
Toluene	< 1.0	1.0		µg/L	1	5/3/2004
Ethylbenzene	< 1.0	1.0		µg/L	1	5/3/2004
m,p-Xylene	< 1.0	1.0		µg/L	1	5/3/2004
o-Xylene	< 1.0	1.0		µg/L	1	5/3/2004
ICP METALS		**E200.7**		**(SW3010A)**		Analyst: **KH**
Arsenic	< 0.005	0.005		mg/L	1	5/4/2004 2:36:00 PM
Barium	0.094	0.010		mg/L	1	5/4/2004 2:36:00 PM
Cadmium	0.017	0.005		mg/L	1	5/4/2004 2:36:00 PM
Chromium	0.016	0.005		mg/L	1	5/4/2004 2:36:00 PM

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *20-May-04*

CLIENT:	Acton, Town of	**Client Sample ID:**	L-14
Lab Order:	040423002	**Collection Date:**	4/21/2004
Project:	Town Landfill		
Lab ID:	040423002-004	**Matrix:**	GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS		**E200.7**		**(SW3010A)**		Analyst: **KH**
Iron	15.4	0.050		mg/L	1	5/4/2004 2:36:00 PM
Lead	0.007	0.005		mg/L	1	5/4/2004 2:36:00 PM
Manganese	0.874	0.020		mg/L	1	5/4/2004 2:36:00 PM
Selenium	< 0.005	0.005		mg/L	1	5/4/2004 2:36:00 PM
Silver	< 0.010	0.010		mg/L	1	5/4/2004 2:36:00 PM
Sodium	83.9	0.050		mg/L	1	5/4/2004 2:36:00 PM
MERCURY IN WATER		**E245.1**		**(E245.1)**		Analyst: **KH**
Mercury	< 0.0002	0.0002		mg/L	1	4/28/2004
ANIONS BY ION CHROMATOGRAPHY		**E300**				Analyst: **SH**
Chloride	230	1.00		mg/L	1	5/4/2004
Nitrogen, Nitrate (As N)	0.08	0.02		mg/L	1	4/23/2004
Sulfate	7.20	2.00		mg/L	1	4/23/2004
ALKALINITY		**E310.1**				Analyst: **LS**
Alkalinity, Total (As CaCO3)	28	1		mg/L CaCO3	1	5/3/2004
AMMONIA AS N		**E350.1**				Analyst: **KS**
Nitrogen, Ammonia (As N)	0.4	0.1		mg/L	1	5/3/2004
PHENOLS, TOTAL		**E420.1**				Analyst: **LS**
Phenolics, Total Recoverable	< 0.002	0.002		mg/L	1	5/5/2004
TOTAL DISSOLVED SOLIDS		**E160.1**				Analyst: **LS**
TDS (Residue, Filterable)	372	5		mg/L	1	4/27/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *20-May-04*

CLIENT: Acton, Town of
Lab Order: 040423002
Project: Town Landfill
Lab ID: 040423002-005

Client Sample ID: L-15
Collection Date: 4/21/2004
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
PURGEABLE HALOCARBONS		**E601**				Analyst: **SO**
Dichlorodifluoromethane	3.0	1.0		µg/L	1	5/3/2004
Chloromethane	< 1.0	1.0		µg/L	1	5/3/2004
Vinyl chloride	< 1.0	1.0		µg/L	1	5/3/2004
Bromomethane	< 1.0	1.0		µg/L	1	5/3/2004
Chloroethane	2.0	1.0		µg/L	1	5/3/2004
Trichlorofluoromethane	< 1.0	1.0		µg/L	1	5/3/2004
1,1-Dichloroethene	< 1.0	1.0		µg/L	1	5/3/2004
Methylene chloride	< 1.0	1.0		µg/L	1	5/3/2004
trans-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	5/3/2004
1,1-Dichloroethane	< 1.0	1.0		µg/L	1	5/3/2004
cis-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	5/3/2004
Chloroform	< 1.0	1.0		µg/L	1	5/3/2004
1,1,1-Trichloroethane	< 1.0	1.0		µg/L	1	5/3/2004
Carbon tetrachloride	< 1.0	1.0		µg/L	1	5/3/2004
1,2-Dichloroethane	< 1.0	1.0		µg/L	1	5/3/2004
Trichloroethene	< 1.0	1.0		µg/L	1	5/3/2004
1,2-Dichloropropane	< 1.0	1.0		µg/L	1	5/3/2004
Bromodichloromethane	< 1.0	1.0		µg/L	1	5/3/2004
cis-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	5/3/2004
trans-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	5/3/2004
1,1,2-Trichloroethane	< 1.0	1.0		µg/L	1	5/3/2004
Tetrachloroethene	< 1.0	1.0		µg/L	1	5/3/2004
Dibromochloromethane	< 1.0	1.0		µg/L	1	5/3/2004
Chlorobenzene	1.1	1.0		µg/L	1	5/3/2004
Bromoform	< 1.0	1.0		µg/L	1	5/3/2004
1,1,2,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	5/3/2004
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	5/3/2004
1,4-Dichlorobenzene	< 1.0	1.0		µg/L	1	5/3/2004
1,2-Dichlorobenzene	< 1.0	1.0		µg/L	1	5/3/2004
PURGEABLE AROMATICS		**E602**				Analyst: **SO**
Benzene	1.5	0.5		µg/L	1	5/3/2004
Toluene	< 1.0	1.0		µg/L	1	5/3/2004
Ethylbenzene	< 1.0	1.0		µg/L	1	5/3/2004
m,p-Xylene	< 1.0	1.0		µg/L	1	5/3/2004
o-Xylene	< 1.0	1.0		µg/L	1	5/3/2004
ICP METALS		**E200.7**		**(SW3010A)**		Analyst: **KH**
Arsenic	0.059	0.005		mg/L	1	5/4/2004 2:40:00 PM
Barium	0.469	0.010		mg/L	1	5/4/2004 2:40:00 PM
Cadmium	< 0.005	0.005		mg/L	1	5/4/2004 2:40:00 PM
Chromium	0.014	0.005		mg/L	1	5/4/2004 2:40:00 PM

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *20-May-04*

CLIENT: Acton, Town of
Lab Order: 040423002
Project: Town Landfill
Lab ID: 040423002-005

Client Sample ID: L-15
Collection Date: 4/21/2004
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS		**E200.7**		**(SW3010A)**		Analyst: **KH**
Iron	64.0	0.050		mg/L	1	5/4/2004 2:40:00 PM
Lead	0.026	0.005		mg/L	1	5/4/2004 2:40:00 PM
Manganese	1.71	0.020		mg/L	1	5/4/2004 2:40:00 PM
Selenium	< 0.005	0.005		mg/L	1	5/4/2004 2:40:00 PM
Silver	< 0.010	0.010		mg/L	1	5/4/2004 2:40:00 PM
Sodium	86.9	0.050		mg/L	1	5/4/2004 2:40:00 PM
MERCURY IN WATER		**E245.1**		**(E245.1)**		Analyst: **KH**
Mercury	< 0.0002	0.0002		mg/L	1	4/28/2004
ANIONS BY ION CHROMATOGRAPHY		**E300**				Analyst: **SH**
Chloride	228	1.00		mg/L	1	5/4/2004
Nitrogen, Nitrate (As N)	0.35	0.02		mg/L	1	4/23/2004
Sulfate	7.60	2.00		mg/L	1	4/23/2004
ALKALINITY		**E310.1**				Analyst: **LS**
Alkalinity, Total (As CaCO3)	250	1		mg/L CaCO3	1	5/3/2004
AMMONIA AS N		**E350.1**				Analyst: **KS**
Nitrogen, Ammonia (As N)	13.3	0.1		mg/L	1	5/3/2004
PHENOLS, TOTAL		**E420.1**				Analyst: **LS**
Phenolics, Total Recoverable	< 0.002	0.002		mg/L	1	5/5/2004
TOTAL DISSOLVED SOLIDS		**E160.1**				Analyst: **LS**
TDS (Residue, Filterable)	650	5		mg/L	1	4/27/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *20-May-04*

CLIENT: Acton, Town of
Lab Order: 040423002
Project: Town Landfill
Lab ID: 040423002-006

Client Sample ID: S-8
Collection Date: 4/21/2004
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
PURGEABLE HALOCARBONS		**E601**				Analyst: **SO**
Dichlorodifluoromethane	< 1.0	1.0		µg/L	1	5/3/2004
Chloromethane	< 1.0	1.0		µg/L	1	5/3/2004
Vinyl chloride	< 1.0	1.0		µg/L	1	5/3/2004
Bromomethane	< 1.0	1.0		µg/L	1	5/3/2004
Chloroethane	< 1.0	1.0		µg/L	1	5/3/2004
Trichlorofluoromethane	< 1.0	1.0		µg/L	1	5/3/2004
1,1-Dichloroethene	< 1.0	1.0		µg/L	1	5/3/2004
Methylene chloride	< 1.0	1.0		µg/L	1	5/3/2004
trans-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	5/3/2004
1,1-Dichloroethane	< 1.0	1.0		µg/L	1	5/3/2004
cis-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	5/3/2004
Chloroform	< 1.0	1.0		µg/L	1	5/3/2004
1,1,1-Trichloroethane	< 1.0	1.0		µg/L	1	5/3/2004
Carbon tetrachloride	< 1.0	1.0		µg/L	1	5/3/2004
1,2-Dichloroethane	< 1.0	1.0		µg/L	1	5/3/2004
Trichloroethene	< 1.0	1.0		µg/L	1	5/3/2004
1,2-Dichloropropane	< 1.0	1.0		µg/L	1	5/3/2004
Bromodichloromethane	< 1.0	1.0		µg/L	1	5/3/2004
cis-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	5/3/2004
trans-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	5/3/2004
1,1,2-Trichloroethane	< 1.0	1.0		µg/L	1	5/3/2004
Tetrachloroethene	< 1.0	1.0		µg/L	1	5/3/2004
Dibromochloromethane	< 1.0	1.0		µg/L	1	5/3/2004
Chlorobenzene	< 1.0	1.0		µg/L	1	5/3/2004
Bromoform	< 1.0	1.0		µg/L	1	5/3/2004
1,1,2,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	5/3/2004
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	5/3/2004
1,4-Dichlorobenzene	< 1.0	1.0		µg/L	1	5/3/2004
1,2-Dichlorobenzene	< 1.0	1.0		µg/L	1	5/3/2004
PURGEABLE AROMATICS		**E602**				Analyst: **SO**
Benzene	< 0.5	0.5		µg/L	1	5/3/2004
Toluene	< 1.0	1.0		µg/L	1	5/3/2004
Ethylbenzene	< 1.0	1.0		µg/L	1	5/3/2004
m,p-Xylene	< 1.0	1.0		µg/L	1	5/3/2004
o-Xylene	< 1.0	1.0		µg/L	1	5/3/2004
ICP METALS		**E200.7**		**(SW3010A)**		Analyst: **KH**
Arsenic	< 0.005	0.005		mg/L	1	5/4/2004 3:22:00 PM
Barium	0.045	0.010		mg/L	1	5/4/2004 3:22:00 PM
Cadmium	< 0.005	0.005		mg/L	1	5/4/2004 3:22:00 PM
Chromium	< 0.005	0.005		mg/L	1	5/4/2004 3:22:00 PM

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *20-May-04*

CLIENT: Acton, Town of
Lab Order: 040423002
Project: Town Landfill
Lab ID: 040423002-006

Client Sample ID: S-8
Collection Date: 4/21/2004
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS		**E200.7**		**(SW3010A)**		Analyst: **KH**
Iron	0.579	0.050		mg/L	1	5/4/2004 3:22:00 PM
Lead	< 0.005	0.005		mg/L	1	5/4/2004 3:22:00 PM
Manganese	0.189	0.020		mg/L	1	5/4/2004 3:22:00 PM
Selenium	< 0.005	0.005		mg/L	1	5/4/2004 3:22:00 PM
Silver	< 0.010	0.010		mg/L	1	5/4/2004 3:22:00 PM
Sodium	76.7	0.050		mg/L	1	5/4/2004 3:22:00 PM
MERCURY IN WATER		**E245.1**		**(E245.1)**		Analyst: **KH**
Mercury	< 0.0002	0.0002		mg/L	1	4/28/2004
ANIONS BY ION CHROMATOGRAPHY		**E300**				Analyst: **SH**
Chloride	219	1.00		mg/L	1	5/4/2004
Nitrogen, Nitrate (As N)	0.99	0.02		mg/L	1	4/23/2004
Sulfate	17.0	2.00		mg/L	1	4/23/2004
ALKALINITY		**E310.1**				Analyst: **LS**
Alkalinity, Total (As CaCO3)	26	1		mg/L CaCO3	1	5/3/2004
AMMONIA AS N		**E350.1**				Analyst: **KS**
Nitrogen, Ammonia (As N)	< 0.1	0.1		mg/L	1	5/3/2004
TOTAL DISSOLVED SOLIDS		**E160.1**				Analyst: **LS**
TDS (Residue, Filterable)	405	5		mg/L	1	4/27/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *20-May-04*

CLIENT: Acton, Town of
Lab Order: 040423002
Project: Town Landfill
Lab ID: 040423002-007

Client Sample ID: L-2
Collection Date: 4/21/2004
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
PURGEABLE HALOCARBONS		**E601**				Analyst: **SO**
Dichlorodifluoromethane	< 1.0	1.0		µg/L	1	5/3/2004
Chloromethane	< 1.0	1.0		µg/L	1	5/3/2004
Vinyl chloride	< 1.0	1.0		µg/L	1	5/3/2004
Bromomethane	< 1.0	1.0		µg/L	1	5/3/2004
Chloroethane	< 1.0	1.0		µg/L	1	5/3/2004
Trichlorofluoromethane	< 1.0	1.0		µg/L	1	5/3/2004
1,1-Dichloroethene	< 1.0	1.0		µg/L	1	5/3/2004
Methylene chloride	< 1.0	1.0		µg/L	1	5/3/2004
trans-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	5/3/2004
1,1-Dichloroethane	< 1.0	1.0		µg/L	1	5/3/2004
cis-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	5/3/2004
Chloroform	< 1.0	1.0		µg/L	1	5/3/2004
1,1,1-Trichloroethane	< 1.0	1.0		µg/L	1	5/3/2004
Carbon tetrachloride	< 1.0	1.0		µg/L	1	5/3/2004
1,2-Dichloroethane	< 1.0	1.0		µg/L	1	5/3/2004
Trichloroethene	< 1.0	1.0		µg/L	1	5/3/2004
1,2-Dichloropropane	< 1.0	1.0		µg/L	1	5/3/2004
Bromodichloromethane	< 1.0	1.0		µg/L	1	5/3/2004
cis-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	5/3/2004
trans-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	5/3/2004
1,1,2-Trichloroethane	< 1.0	1.0		µg/L	1	5/3/2004
Tetrachloroethene	< 1.0	1.0		µg/L	1	5/3/2004
Dibromochloromethane	< 1.0	1.0		µg/L	1	5/3/2004
Chlorobenzene	< 1.0	1.0		µg/L	1	5/3/2004
Bromoform	< 1.0	1.0		µg/L	1	5/3/2004
1,1,2,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	5/3/2004
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	5/3/2004
1,4-Dichlorobenzene	< 1.0	1.0		µg/L	1	5/3/2004
1,2-Dichlorobenzene	< 1.0	1.0		µg/L	1	5/3/2004
PURGEABLE AROMATICS		**E602**				Analyst: **SO**
Benzene	< 0.5	0.5		µg/L	1	5/3/2004
Toluene	< 1.0	1.0		µg/L	1	5/3/2004
Ethylbenzene	< 1.0	1.0		µg/L	1	5/3/2004
m,p-Xylene	< 1.0	1.0		µg/L	1	5/3/2004
o-Xylene	< 1.0	1.0		µg/L	1	5/3/2004
ICP METALS		**E200.7**		**(SW3010A)**		Analyst: **KH**
Arsenic	< 0.005	0.005		mg/L	1	5/4/2004 3:26:00 PM
Barium	0.147	0.010		mg/L	1	5/4/2004 3:26:00 PM
Cadmium	< 0.005	0.005		mg/L	1	5/4/2004 3:26:00 PM
Chromium	0.045	0.005		mg/L	1	5/4/2004 3:26:00 PM

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *20-May-04*

CLIENT: Acton, Town of
Lab Order: 040423002
Project: Town Landfill
Lab ID: 040423002-007

Client Sample ID: L-2
Collection Date: 4/21/2004
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS		**E200.7**		**(SW3010A)**		Analyst: **KH**
Iron	80.5	0.050		mg/L	1	5/4/2004 3:26:00 PM
Lead	0.025	0.005		mg/L	1	5/4/2004 3:26:00 PM
Manganese	0.734	0.020		mg/L	1	5/4/2004 3:26:00 PM
Selenium	< 0.005	0.005		mg/L	1	5/4/2004 3:26:00 PM
Silver	< 0.010	0.010		mg/L	1	5/4/2004 3:26:00 PM
Sodium	53.8	0.050		mg/L	1	5/4/2004 3:26:00 PM
MERCURY IN WATER		**E245.1**		**(E245.1)**		Analyst: **KH**
Mercury	< 0.0002	0.0002		mg/L	1	4/28/2004
ANIONS BY ION CHROMATOGRAPHY		**E300**				Analyst: **SH**
Chloride	123	1.00		mg/L	1	5/4/2004
Nitrogen, Nitrate (As N)	0.41	0.02		mg/L	1	4/23/2004
Sulfate	19.0	2.00		mg/L	1	4/23/2004
ALKALINITY		**E310.1**				Analyst: **LS**
Alkalinity, Total (As CaCO3)	14	1		mg/L CaCO3	1	5/3/2004
AMMONIA AS N		**E350.1**				Analyst: **KS**
Nitrogen, Ammonia (As N)	< 0.1	0.1		mg/L	1	5/3/2004
TOTAL DISSOLVED SOLIDS		**E160.1**				Analyst: **LS**
TDS (Residue, Filterable)	272	5		mg/L	1	4/27/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *20-May-04*

CLIENT: Acton, Town of
Lab Order: 040423002
Project: Town Landfill
Lab ID: 040423002-008

Client Sample ID: Trip Blank Lot#086
Collection Date: 4/21/2004
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
PURGEABLE HALOCARBONS		**E601**				Analyst: **SO**
Dichlorodifluoromethane	< 1.0	1.0		µg/L	1	5/3/2004
Chloromethane	< 1.0	1.0		µg/L	1	5/3/2004
Vinyl chloride	< 1.0	1.0		µg/L	1	5/3/2004
Bromomethane	< 1.0	1.0		µg/L	1	5/3/2004
Chloroethane	< 1.0	1.0		µg/L	1	5/3/2004
Trichlorofluoromethane	< 1.0	1.0		µg/L	1	5/3/2004
1,1-Dichloroethene	< 1.0	1.0		µg/L	1	5/3/2004
Methylene chloride	< 1.0	1.0		µg/L	1	5/3/2004
trans-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	5/3/2004
1,1-Dichloroethane	< 1.0	1.0		µg/L	1	5/3/2004
cis-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	5/3/2004
Chloroform	< 1.0	1.0		µg/L	1	5/3/2004
1,1,1-Trichloroethane	< 1.0	1.0		µg/L	1	5/3/2004
Carbon tetrachloride	< 1.0	1.0		µg/L	1	5/3/2004
1,2-Dichloroethane	< 1.0	1.0		µg/L	1	5/3/2004
Trichloroethene	< 1.0	1.0		µg/L	1	5/3/2004
1,2-Dichloropropane	< 1.0	1.0		µg/L	1	5/3/2004
Bromodichloromethane	< 1.0	1.0		µg/L	1	5/3/2004
cis-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	5/3/2004
trans-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	5/3/2004
1,1,2-Trichloroethane	< 1.0	1.0		µg/L	1	5/3/2004
Tetrachloroethene	< 1.0	1.0		µg/L	1	5/3/2004
Dibromochloromethane	< 1.0	1.0		µg/L	1	5/3/2004
Chlorobenzene	< 1.0	1.0		µg/L	1	5/3/2004
Bromoform	< 1.0	1.0		µg/L	1	5/3/2004
1,1,2,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	5/3/2004
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	5/3/2004
1,4-Dichlorobenzene	< 1.0	1.0		µg/L	1	5/3/2004
1,2-Dichlorobenzene	< 1.0	1.0		µg/L	1	5/3/2004
PURGEABLE AROMATICS		**E602**				Analyst: **SO**
Benzene	< 0.5	0.5		µg/L	1	5/3/2004
Toluene	< 1.0	1.0		µg/L	1	5/3/2004
Ethylbenzene	< 1.0	1.0		µg/L	1	5/3/2004
m,p-Xylene	< 1.0	1.0		µg/L	1	5/3/2004
o-Xylene	< 1.0	1.0		µg/L	1	5/3/2004

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Adirondack Environmental Services, Inc.
314 North Pearl Street
Albany, New York 12207
518-434-4546/434-0891 FAX

1 of 3

CHAIN OF CUSTODY RECORD

A full service analytical research laboratory offering solutions to environmental concerns

Client Name: Corey York / Town of Acton	Address: 472 Main Street Acton, MA 01720
Send Report To: Corey York	Project Name (Location): Town of Acton Landfill
Samplers: (Names): Corey York & David Abbot	
Client Phone No: 978 264-9628	PO Number: 20042786-00
Client Fax No: 978 264-9630	Samplers: (Signature): [signature] D. Abbot

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.	Sample Type Matrix	Comp	Grab	Number of Cont's	Analysis Required
4-P/G-F-U	L-11	4.21.04	9:45 A/P	GW		✓	1	Alkalinity
8-P-P.H2SO4	L-11	4.21.04	9:45 A/P	GW		✓	1	Ammonia-W
16-P-P-Nitric	L-11	4.21.04	9:45 A/P	GW		✓	1	ICP METALS W
32-P-F-U	L-11	4.21.04	9:45 A/P	GW		✓	1	IC SCAN-W TDS-W
VOA-G.T.HCl	L-12	4.21.04	11:30 A/P	GW		✓	2	E601 & E602
4-P/G-F-U	L-12	4.21.04	11:30 A/P	GW		✓	1	Alkalinity
8-P.P.H2SO4	L-12	4.21.04	11:30 A/P	GW		✓	1	Ammonia-W
16-P-P-Nitric	L-12	4.21.04	11:30 A/P	GW		✓	1	ICP METALS W MECURY-WW
32-P-F-U	L-12	4.21.04	11:30 A/P	GW		✓	1	IC SCAN-W TDS-W
VOA-G-T-HCl	L-13	4.21.04	12:30 A/P	GW		✓	2	E601 & E602
4-P/G-F-U	L-13	4.21.04	12:30 A/P	GW		✓	1	Alkalinity
8-P.P.H2SO4	L-13	4.21.04	12:30 A/P	GW		✓	1	Ammonia-W
16-P.P.Nitric	L-13	4.21.04	12:30 A/P	GW		✓	1	ICP METALS W MERCURY-WW
32-P.F.U	L-13	4.21.04	12:30 A/P	GW		✓	1	IC SCAN-W TDS-W

001 002 003

04042300 2

Turnaround Time Request:
☐ 1 Day ☐ 3 Day ☑ Normal
☐ 2 Day ☐ 5 Day

Special Instructions/Remarks
Attached herewith is a table showing the types of analyses required for each samples taken around the landfill.
Corey York

CC Report To: C. Y

Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Relinquished by: (Signature)	Received for Laboratory by: M L	Date/Time 4/23/4 8:00

Temperature Ambient or Chilled 10°C
Notes:

Properly Preserved Y N
Notes:

Received Within Holding Times Y N
Notes:

WHITE - Lab Copy YELLOW - Sampler Copy PINK - Generator Copy

Adirondack Environmental Services, Inc.
314 North Pearl Street
Albany, New York 12207
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2 of 3

CHAIN OF CUSTODY RECORD

A full service analytical research laboratory offering solutions to environmental concerns

Client Name: Corey York / Town of Acton	Address: 472 Main Street Acton, MA 01720	
Send Report To: Corey York	Project Name (Location) Town of Acton Landfill	Samplers: (Names) Corey York & David Abbt
Client Phone No: 978 264-9628	PO Number: 20042786-00	Samplers: (Signature)
Client Fax No: 978 264-9630		

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.		Sample Type Matrix	Comp	Grab	Number of Cont's	Analysis Required
32-G-P-H2SO4	L-13 → 003	4-21-04	12:30	A P	GW		✓	1	Phenols-Water
VOA-G-T-HCL	L-14	4-21-04	1:30	A P	GW		✓	2	VOC
4-P/G-F-U	L-14	4-21-04	1:30	A P	GW		✓	1	Alkalinity
8-P-P-H2SO4	L-14	4-21-04	1:30	A P	GW		✓	1	Ammonia-W
16-P-P-Nitric	L-14 004	4-21-04	1:30	A P	GW		✓	1	ICP METALS W MERCURY-WW
32-P-F-U	L-14	4-21-04	1:30	A P	GW		✓	1	IC-SCAN-W TDS-W
32-G-P-H2SO4	L-14	4-21-04	1:30	A P	GW		✓	1	Phenols-Water
VOA-G-T-HCl	L-15	4-21-04	1:10	A P	GW		✓	2	E601 & E602
4-P/G-F-U	L-15	4-21-04	1:10	A P	GW		✓	1	Alkalinity
8-P-P-H2SO4	L-15	4-21-04	1:10	A P	GW		✓	1	Ammonia-W
16-P-P-Nitric	L-15 005	4-21-04	1:10	A P	GW		✓	1	ICP METALS MERCURY-WW
32-P-F-U	L-15	4-21-04	1:10	A P	GW		✓	1	IC SCAN-W TDS-W
32-G-P-H2SO4	L-15	4-21-04	1:10	A P	GW		✓	1	Phenols-Water
VOA-G-T-HCl	S-8 → 006	4-21-04	9:30	A P	GW		✓	2	E601 & E602

Turnaround Time Request:
☐ 1 Day ☐ 3 Day ☑ Normal
☐ 2 Day ☐ 5 Day

040423002

CC Report To:

Special Instructions/Remarks
Attached herewith is a table showing the types of Analyses required for each sample taken around the landfill.
Corey York

Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Relinquished by: (Signature)	Received for Laboratory by: M.	Date/Time 4/23/4 8a

Temperature	Properly Preserved	Received Within Holding Times
Ambient or Chilled 10°C	Y N	Y N
Notes:	Notes:	Notes:

WHITE - Lab Copy YELLOW - Sampler Copy PINK - Generator Copy

Adirondack Environmental Services, Inc.
314 North Pearl Street
Albany, New York 12207
518-434-4546/434-0891 FAX

3 of 3

CHAIN OF CUSTODY RECORD

A full service analytical research laboratory offering solutions to environmental concerns

Client Name: Corey York / Town of Acton	Address: 472 Main Street Acton, MA 01720	
Send Report To: Corey York	Project Name (Location) Town of Acton Landfill	Samplers: (Names) Corey York & David Abbt
Client Phone No: 978 264-9628	PO Number: 20042786-00	Samplers: (Signature)
Client Fax No: 978 264-9630		

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.		Sample Type Matrix	Comp	Grab	Number of Cont's	Analysis Required
4.P/G.F.U	S-8	4.21.04	9:30	A P	GW		✓	1	Alkalinity
8.P.P.H2SO4	S-8	4.21.04	9:30	A P	GW		✓	1	Ammonia-W
16.P.P.nitric	S-8 006	4.21.04	9:30	A P	GW		✓	1	ICP METALS W MERCURY-WW
32.P.F.U	S-8	4.21.04	9:30	A P	GW		✓	1	IC-SCAN-W TDS-W
VOA.G.T.HCl	L-2	4.21.04	10:45	A P	GW		✓	2	E601 & E602
4.P/G.F.U	L-2	4.21.04	10:45	A P	GW		✓	1	Alkalinity
8.P.P.H2SO4	L-2 007	4.21.04	10:45	A P	GW		✓	1	Ammonia-W
16.P.P.nitric	L-2	4.21.04	10:45	A P	GW		✓	1	ICP-METALS W MERCURY-WW
32.P.F.U	L-2	4.21.04	10:45	A P	GW		✓	1	IC SCAN-W TDS-W
008	TRIP BLANK - H_2O & Hydrochloric Acid Solution LOT#086	-		A P				1	
	TRIP BLANK - H_2O & Hydrochloric Acid Solution Lot#086	-		A P				1	
				A P					
	040423002			A P					
				A P					

Turnaround Time Request:
☐ 1 Day ☐ 3 Day ☑ Normal
☐ 2 Day ☐ 5 Day

CC Report To:

Special Instructions/Remarks
Attached herewith is a table showing the types of analyses required for each sample taken around the landfill.
Corey York

Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Relinquished by: (Signature)	Received for Laboratory by: M.	Date/Time 4/23/4 800

Temperature	Properly Preserved	Received Within Holding Times
Ambient or Chilled 10°C	(Y) N	(Y) N
Notes:	Notes:	Notes:

WHITE - Lab Copy YELLOW - Sampler Copy PINK - Generator Copy

Adirondack Environmental Services, Inc.
Experience is the solution
314 North Pearl Street • Albany, New York 12207 • (518) 434-4546 • Fax (518) 434-0891

TERMS, CONDITIONS & LIMITATIONS

All Services rendered by **Adirondack Environmental Services, Inc.** are undertaken and all rates are based upon the following terms:

(a) Neither **Adirondack Environmental Services, Inc.**, nor any of its employees, agents or sub-contractors shall be liable for any loss or damage arising out of **Adirondack Environmental Services, Inc.'s** performance or nonperformance, whether by way of negligence or breach of contract, or otherwise, in any amount greater than twice the amount billed to the customer for the work leading to the claim of the customer. Said remedy shall be the sole and exclusive remedy against **Adirondack Environmental Services, Inc.** arising out of its work.

(b) All claims made must be in writing within forty-five (45) days after delivery of the **Adirondack Environmental Services, Inc.** report regarding said work or such claim shall be deemed as irrevocably waived.

(c) **Adirondack Environmental Services, Inc.** reports are submitted in writing and are for our customers only. Our customers are considered to be only those entities being billed for our services. Acquisition of an **Adirondack Environmental Services, Inc.** report by other than our customer does not constitute a representation of **Adirondack Environmental Services, Inc.** as to the accuracy of the contents thereof.

(d) In no event shall **Adirondack Environmental Services, Inc.**, its employees agents or sub-contractors be responsible for consequential or special damages of any kind or in any amount.

(e) No deviation from the terms set forth herein shall bind **Adirondack Environmental Services, Inc.** unless in writing and signed by a Director of **Adirondack Environmental Services, Inc.**

(f) Results pertain only to items analyzed. Information supplied by client is assumed to be correct. This information may be used on reports and in calculations and **Adirondack Environmental Services, Inc.** is not responsible for the accuracy of this information.

TOWN OF ACTON
472 Main Street
Acton, Massachusetts, 01720
Telephone (978) 264-9628
Fax (978) 264-9630

Engineering Department

June 30, 2005

John Reagan
Massachusetts Department of Environmental Protection
627 Main Street
Worcester, Massachusetts 01608

Dear Mr. Reagan:

Please find attached the groundwater analyses of wells at the former Acton Landfill. The Acton Engineering Department collected the groundwater samples on May 2, 2005. Adirondack Environmental Services Incorporated performed the lab work between May 3 and May 12, 2005.

If you should require any additional information or have any questions, please contact me at (978) 264-9628.

Sincerely,

Corey S. York
Engineering Assistant

csy

2005

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314 North Pearl Street ♦ Albany, New York 12207
(800) 848-4983 ♦ (518) 434-4546 ♦ Fax (518) 434-0891

May 17, 2005

Corey York
Acton, Town of
Engineering Dept.
472 Main Street
Acton, MA 01720

TEL: 978 264 9628
FAX: 978 264 9630

Work Order No: 050503007

RE: Town Landfill
T/O Acton Landfill

Dear Corey York:

Adirondack Environmental Services, Inc received 8 samples on 5/3/2005 for the analyses presented in the following report.

There were no problems with the analyses and all associated QC met EPA or laboratory specifications, except if noted.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

ELAP#: 10709
AIHA#: 100307

Tara Daniels
Laboratory Manager

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quanititation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	T - Tentitively Identified Compound-Estimated Conc.
	* - Value exceeds Maximum Contaminant Level	E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *17-May-05*

CLIENT: Acton, Town of
Work Order: 050503007
Project: Town Landfill
PO#:

Client Sample ID: L-2
Collection Date: 5/2/2005
Lab Sample ID: 050503007-001
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
PURGEABLE HALOCARBONS E601						Analyst: **SO**
Dichlorodifluoromethane	< 1.0	1.0		µg/L	1	5/12/2005
Chloromethane	< 1.0	1.0		µg/L	1	5/12/2005
Vinyl chloride	< 1.0	1.0		µg/L	1	5/12/2005
Bromomethane	< 1.0	1.0		µg/L	1	5/12/2005
Chloroethane	< 1.0	1.0		µg/L	1	5/12/2005
Trichlorofluoromethane	< 1.0	1.0		µg/L	1	5/12/2005
1,1-Dichloroethene	< 1.0	1.0		µg/L	1	5/12/2005
Methylene chloride	< 1.0	1.0		µg/L	1	5/12/2005
trans-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	5/12/2005
1,1-Dichloroethane	< 1.0	1.0		µg/L	1	5/12/2005
cis-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	5/12/2005
Chloroform	< 1.0	1.0		µg/L	1	5/12/2005
1,1,1-Trichloroethane	< 1.0	1.0		µg/L	1	5/12/2005
Carbon tetrachloride	< 1.0	1.0		µg/L	1	5/12/2005
1,2-Dichloroethane	< 1.0	1.0		µg/L	1	5/12/2005
Trichloroethene	< 1.0	1.0		µg/L	1	5/12/2005
1,2-Dichloropropane	< 1.0	1.0		µg/L	1	5/12/2005
Bromodichloromethane	< 1.0	1.0		µg/L	1	5/12/2005
cis-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	5/12/2005
trans-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	5/12/2005
1,1,2-Trichloroethane	< 1.0	1.0		µg/L	1	5/12/2005
Tetrachloroethene	< 1.0	1.0		µg/L	1	5/12/2005
Dibromochloromethane	< 1.0	1.0		µg/L	1	5/12/2005
Chlorobenzene	< 1.0	1.0		µg/L	1	5/12/2005
Bromoform	< 1.0	1.0		µg/L	1	5/12/2005
1,1,2,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	5/12/2005
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	5/12/2005
1,4-Dichlorobenzene	< 1.0	1.0		µg/L	1	5/12/2005
1,2-Dichlorobenzene	< 1.0	1.0		µg/L	1	5/12/2005
PURGEABLE AROMATICS E602						Analyst: **SO**
Benzene	< 0.5	0.5		µg/L	1	5/12/2005
Toluene	< 1.0	1.0		µg/L	1	5/12/2005
Ethylbenzene	< 1.0	1.0		µg/L	1	5/12/2005
m,p-Xylene	< 1.0	1.0		µg/L	1	5/12/2005
o-Xylene	< 1.0	1.0		µg/L	1	5/12/2005
ICP METALS E200.7(SW3010A)						Analyst: **SM**
Arsenic	< 0.005	0.005		mg/L	1	5/12/2005 2:43:00 PM
Barium	0.157	0.010		mg/L	1	5/12/2005 2:43:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
T - Tentitively Identified Compound-Estimated Conc.
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *17-May-05*

CLIENT: Acton, Town of
Work Order: 050503007
Project: Town Landfill
PO#:

Client Sample ID: L-2
Collection Date: 5/2/2005
Lab Sample ID: 050503007-001
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS E200.7(SW3010A)						Analyst: **SM**
Cadmium	< 0.005	0.005		mg/L	1	5/12/2005 2:43:00 PM
Chromium	< 0.005	0.005		mg/L	1	5/12/2005 2:43:00 PM
Iron	8.74	0.050		mg/L	1	5/12/2005 2:43:00 PM
Lead	< 0.005	0.005		mg/L	1	5/12/2005 2:43:00 PM
Manganese	0.455	0.020		mg/L	1	5/12/2005 2:43:00 PM
Selenium	< 0.005	0.005		mg/L	1	5/12/2005 2:43:00 PM
Silver	< 0.010	0.010		mg/L	1	5/12/2005 2:43:00 PM
Sodium	181	0.500		mg/L	10	5/12/2005 4:49:00 PM
MERCURY E245.1(E245.1)						Analyst: **SM**
Mercury	< 0.0002	0.0002		mg/L	1	5/5/2005
ANIONS BY ION CHROMATOGRAPHY E300						Analyst: **SH**
Chloride	329	1.00		mg/L	1	5/5/2005
Nitrate, Nitrogen (As N)	0.64	0.02		mg/L	1	5/3/2005
Sulfate	25.0	2.00		mg/L	1	5/3/2005
ALKALINITY E310.1						Analyst: **LS**
Alkalinity, Total (As CaCO3)	30	1		mg/L	1	5/3/2005
AMMONIA E350.1						Analyst: **PL**
Nitrogen, Ammonia (As N)	0.1	0.1		mg/L	1	5/9/2005
TOTAL DISSOLVED SOLIDS E160.1						Analyst: **LS**
TDS (Residue, Filterable)	600	5		mg/L	1	5/5/2005

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
T - Tentitively Identified Compound-Estimated Conc.
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *17-May-05*

CLIENT: Acton, Town of
Work Order: 050503007
Project: Town Landfill
PO#:

Client Sample ID: L-11
Collection Date: 5/2/2005
Lab Sample ID: 050503007-002
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS E200.7(SW3010A)						Analyst: **SM**
Iron	30.1	0.050		mg/L	1	5/12/2005 2:47:00 PM
Lead	< 0.005	0.005		mg/L	1	5/12/2005 2:47:00 PM
Manganese	2.00	0.020		mg/L	1	5/12/2005 2:47:00 PM
Sodium	117	0.050		mg/L	1	5/12/2005 2:47:00 PM
ANIONS BY ION CHROMATOGRAPHY E300						Analyst: **SH**
Chloride	273	1.00		mg/L	1	5/5/2005
Nitrate, Nitrogen (As N)	0.05	0.02		mg/L	1	5/3/2005
Sulfate	12.0	2.00		mg/L	1	5/3/2005
ALKALINITY E310.1						Analyst: **LS**
Alkalinity, Total (As CaCO3)	14	1		mg/L	1	5/3/2005
AMMONIA E350.1						Analyst: **PL**
Nitrogen, Ammonia (As N)	0.3	0.1		mg/L	1	5/9/2005
TOTAL DISSOLVED SOLIDS E160.1						Analyst: **LS**
TDS (Residue, Filterable)	505	5		mg/L	1	5/5/2005

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
T - Tentitively identified Compound-Estimated Conc.
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *17-May-05*

CLIENT: Acton, Town of
Work Order: 050503007
Project: Town Landfill
PO#:

Client Sample ID: L-12
Collection Date: 5/2/2005
Lab Sample ID: 050503007-003
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
PURGEABLE HALOCARBONS E601						Analyst: **SO**
Dichlorodifluoromethane	9.9	1.0		µg/L	1	5/12/2005
Chloromethane	< 1.0	1.0		µg/L	1	5/12/2005
Vinyl chloride	< 1.0	1.0		µg/L	1	5/12/2005
Bromomethane	< 1.0	1.0		µg/L	1	5/12/2005
Chloroethane	4.5	1.0		µg/L	1	5/12/2005
Trichlorofluoromethane	< 1.0	1.0		µg/L	1	5/12/2005
1,1-Dichloroethene	< 1.0	1.0		µg/L	1	5/12/2005
Methylene chloride	< 1.0	1.0		µg/L	1	5/12/2005
trans-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	5/12/2005
1,1-Dichloroethane	< 1.0	1.0		µg/L	1	5/12/2005
cis-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	5/12/2005
Chloroform	< 1.0	1.0		µg/L	1	5/12/2005
1,1,1-Trichloroethane	< 1.0	1.0		µg/L	1	5/12/2005
Carbon tetrachloride	< 1.0	1.0		µg/L	1	5/12/2005
1,2-Dichloroethane	< 1.0	1.0		µg/L	1	5/12/2005
Trichloroethene	< 1.0	1.0		µg/L	1	5/12/2005
1,2-Dichloropropane	< 1.0	1.0		µg/L	1	5/12/2005
Bromodichloromethane	< 1.0	1.0		µg/L	1	5/12/2005
cis-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	5/12/2005
trans-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	5/12/2005
1,1,2-Trichloroethane	< 1.0	1.0		µg/L	1	5/12/2005
Tetrachloroethene	< 1.0	1.0		µg/L	1	5/12/2005
Dibromochloromethane	< 1.0	1.0		µg/L	1	5/12/2005
Chlorobenzene	14	1.0		µg/L	1	5/12/2005
Bromoform	< 1.0	1.0		µg/L	1	5/12/2005
1,1,2,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	5/12/2005
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	5/12/2005
1,4-Dichlorobenzene	< 1.0	1.0		µg/L	1	5/12/2005
1,2-Dichlorobenzene	1.7	1.0		µg/L	1	5/12/2005
PURGEABLE AROMATICS E602						Analyst: **SO**
Benzene	1.0	0.5		µg/L	1	5/12/2005
Toluene	< 1.0	1.0		µg/L	1	5/12/2005
Ethylbenzene	< 1.0	1.0		µg/L	1	5/12/2005
m,p-Xylene	< 1.0	1.0		µg/L	1	5/12/2005
o-Xylene	< 1.0	1.0		µg/L	1	5/12/2005
ICP METALS E200.7(SW3010A)						Analyst: **SM**
Arsenic	< 0.005	0.005		mg/L	1	5/12/2005 2:55:00 PM
Barium	0.102	0.010		mg/L	1	5/12/2005 2:55:00 PM

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
T - Tentitively Identified Compound-Estimated Conc.
E - Value above quamitation range

Adirondack Environmental Services, Inc

Date: *17-May-05*

CLIENT: Acton, Town of
Work Order: 050503007
Project: Town Landfill
PO#:

Client Sample ID: L-12
Collection Date: 5/2/2005
Lab Sample ID: 050503007-003
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS E200.7(SW3010A)						Analyst: **SM**
Cadmium	< 0.005	0.005		mg/L	1	5/12/2005 2:55:00 PM
Chromium	0.015	0.005		mg/L	1	5/12/2005 2:55:00 PM
Iron	62.1	0.050		mg/L	1	5/12/2005 2:55:00 PM
Lead	< 0.005	0.005		mg/L	1	5/12/2005 2:55:00 PM
Manganese	1.30	0.020		mg/L	1	5/12/2005 2:55:00 PM
Selenium	< 0.005	0.005		mg/L	1	5/12/2005 2:55:00 PM
Silver	< 0.010	0.010		mg/L	1	5/12/2005 2:55:00 PM
Sodium	60.7	0.050		mg/L	1	5/12/2005 2:55:00 PM
MERCURY E245.1(E245.1)						Analyst: **SM**
Mercury	< 0.0002	0.0002		mg/L	1	5/5/2005
ANIONS BY ION CHROMATOGRAPHY E300						Analyst: **SH**
Chloride	57.0	1.00		mg/L	1	5/5/2005
Nitrate, Nitrogen (As N)	< 0.02	0.02		mg/L	1	5/3/2005
Sulfate	8.60	2.00		mg/L	1	5/3/2005
ALKALINITY E310.1						Analyst: **LS**
Alkalinity, Total (As CaCO3)	700	1		mg/L	1	5/3/2005
AMMONIA E350.1						Analyst: **PL**
Nitrogen, Ammonia (As N)	18.0	0.1		mg/L	1	5/9/2005
TOTAL DISSOLVED SOLIDS E160.1						Analyst: **LS**
TDS (Residue, Filterable)	625	5		mg/L	1	5/5/2005

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
T - Tentitively Identified Compound-Estimated Conc.
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *17-May-05*

CLIENT: Acton, Town of
Work Order: 050503007
Project: Town Landfill
PO#:

Client Sample ID: L-13
Collection Date: 5/2/2005
Lab Sample ID: 050503007-004
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
PURGEABLE HALOCARBONS E601						Analyst: **SO**
Dichlorodifluoromethane	26	1.0		µg/L	1	5/12/2005
Chloromethane	< 1.0	1.0		µg/L	1	5/12/2005
Vinyl chloride	< 1.0	1.0		µg/L	1	5/12/2005
Bromomethane	< 1.0	1.0		µg/L	1	5/12/2005
Chloroethane	15	1.0		µg/L	1	5/12/2005
Trichlorofluoromethane	< 1.0	1.0		µg/L	1	5/12/2005
1,1-Dichloroethene	< 1.0	1.0		µg/L	1	5/12/2005
Methylene chloride	< 1.0	1.0		µg/L	1	5/12/2005
trans-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	5/12/2005
1,1-Dichloroethane	< 1.0	1.0		µg/L	1	5/12/2005
cis-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	5/12/2005
Chloroform	< 1.0	1.0		µg/L	1	5/12/2005
1,1,1-Trichloroethane	< 1.0	1.0		µg/L	1	5/12/2005
Carbon tetrachloride	< 1.0	1.0		µg/L	1	5/12/2005
1,2-Dichloroethane	< 1.0	1.0		µg/L	1	5/12/2005
Trichloroethene	< 1.0	1.0		µg/L	1	5/12/2005
1,2-Dichloropropane	< 1.0	1.0		µg/L	1	5/12/2005
Bromodichloromethane	< 1.0	1.0		µg/L	1	5/12/2005
cis-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	5/12/2005
trans-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	5/12/2005
1,1,2-Trichloroethane	< 1.0	1.0		µg/L	1	5/12/2005
Tetrachloroethene	< 1.0	1.0		µg/L	1	5/12/2005
Dibromochloromethane	< 1.0	1.0		µg/L	1	5/12/2005
Chlorobenzene	7.1	1.0		µg/L	1	5/12/2005
Bromoform	< 1.0	1.0		µg/L	1	5/12/2005
1,1,2,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	5/12/2005
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	5/12/2005
1,4-Dichlorobenzene	< 1.0	1.0		µg/L	1	5/12/2005
1,2-Dichlorobenzene	< 1.0	1.0		µg/L	1	5/12/2005
PURGEABLE AROMATICS E602						Analyst: **SO**
Benzene	3.2	0.5		µg/L	1	5/12/2005
Toluene	< 1.0	1.0		µg/L	1	5/12/2005
Ethylbenzene	< 1.0	1.0		µg/L	1	5/12/2005
m,p-Xylene	< 1.0	1.0		µg/L	1	5/12/2005
o-Xylene	< 1.0	1.0		µg/L	1	5/12/2005
ICP METALS E200.7(SW3010A)						Analyst: **SM**
Arsenic	< 0.005	0.005		mg/L	1	5/12/2005 3:16:00 PM
Barium	0.463	0.010		mg/L	1	5/12/2005 3:16:00 PM

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
T - Tentitively Identified Compound-Estimated Conc.
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *17-May-05*

CLIENT: Acton, Town of
Work Order: 050503007
Project: Town Landfill
PO#:

Client Sample ID: L-13
Collection Date: 5/2/2005
Lab Sample ID: 050503007-004
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS E200.7(SW3010A)						Analyst: **SM**
Cadmium	< 0.005	0.005		mg/L	1	5/12/2005 3:16:00 PM
Chromium	0.013	0.005		mg/L	1	5/12/2005 3:16:00 PM
Iron	43.2	0.050		mg/L	1	5/12/2005 3:16:00 PM
Lead	< 0.005	0.005		mg/L	1	5/12/2005 3:16:00 PM
Manganese	1.57	0.020		mg/L	1	5/12/2005 3:16:00 PM
Selenium	< 0.005	0.005		mg/L	1	5/12/2005 3:16:00 PM
Silver	< 0.010	0.010		mg/L	1	5/12/2005 3:16:00 PM
Sodium	67.2	0.500		mg/L	10	5/12/2005 4:53:00 PM
MERCURY E245.1(E245.1)						Analyst: **SM**
Mercury	< 0.0002	0.0002		mg/L	1	5/5/2005
ANIONS BY ION CHROMATOGRAPHY E300						Analyst: **SH**
Chloride	386	1.00		mg/L	1	5/5/2005
Nitrate, Nitrogen (As N)	< 0.02	0.02		mg/L	1	5/3/2005
Sulfate	< 2.00	2.00		mg/L	1	5/3/2005
ALKALINITY E310.1						Analyst: **LS**
Alkalinity, Total (As CaCO3)	680	1		mg/L	1	5/3/2005
AMMONIA E350.1						Analyst: **PL**
Nitrogen, Ammonia (As N)	39.0	0.1		mg/L	1	5/9/2005
PHENOLS, TOTAL E420.1						Analyst: **LS**
Phenolics, Total Recoverable	< 0.002	0.002		mg/L	1	5/10/2005
TOTAL DISSOLVED SOLIDS E160.1						Analyst: **LS**
TDS (Residue, Filterable)	1380	5		mg/L	1	5/5/2005

Qualifiers:
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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
T - Tentitively Identified Compound-Estimated Conc.
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *17-May-05*

CLIENT: Acton, Town of
Work Order: 050503007
Project: Town Landfill
PO#:

Client Sample ID: L-14
Collection Date: 5/2/2005
Lab Sample ID: 050503007-005
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
PURGEABLE HALOCARBONS E601						Analyst: **SO**
Dichlorodifluoromethane	< 1.0	1.0		µg/L	1	5/12/2005
Chloromethane	< 1.0	1.0		µg/L	1	5/12/2005
Vinyl chloride	< 1.0	1.0		µg/L	1	5/12/2005
Bromomethane	< 1.0	1.0		µg/L	1	5/12/2005
Chloroethane	< 1.0	1.0		µg/L	1	5/12/2005
Trichlorofluoromethane	< 1.0	1.0		µg/L	1	5/12/2005
1,1-Dichloroethene	< 1.0	1.0		µg/L	1	5/12/2005
Methylene chloride	< 1.0	1.0		µg/L	1	5/12/2005
trans-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	5/12/2005
1,1-Dichloroethane	< 1.0	1.0		µg/L	1	5/12/2005
cis-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	5/12/2005
Chloroform	< 1.0	1.0		µg/L	1	5/12/2005
1,1,1-Trichloroethane	< 1.0	1.0		µg/L	1	5/12/2005
Carbon tetrachloride	< 1.0	1.0		µg/L	1	5/12/2005
1,2-Dichloroethane	< 1.0	1.0		µg/L	1	5/12/2005
Trichloroethene	< 1.0	1.0		µg/L	1	5/12/2005
1,2-Dichloropropane	< 1.0	1.0		µg/L	1	5/12/2005
Bromodichloromethane	< 1.0	1.0		µg/L	1	5/12/2005
cis-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	5/12/2005
trans-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	5/12/2005
1,1,2-Trichloroethane	< 1.0	1.0		µg/L	1	5/12/2005
Tetrachloroethene	< 1.0	1.0		µg/L	1	5/12/2005
Dibromochloromethane	< 1.0	1.0		µg/L	1	5/12/2005
Chlorobenzene	< 1.0	1.0		µg/L	1	5/12/2005
Bromoform	< 1.0	1.0		µg/L	1	5/12/2005
1,1,2,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	5/12/2005
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	5/12/2005
1,4-Dichlorobenzene	< 1.0	1.0		µg/L	1	5/12/2005
1,2-Dichlorobenzene	< 1.0	1.0		µg/L	1	5/12/2005
PURGEABLE AROMATICS E602						Analyst: **SO**
Benzene	< 0.5	0.5		µg/L	1	5/12/2005
Toluene	< 1.0	1.0		µg/L	1	5/12/2005
Ethylbenzene	< 1.0	1.0		µg/L	1	5/12/2005
m,p-Xylene	< 1.0	1.0		µg/L	1	5/12/2005
o-Xylene	< 1.0	1.0		µg/L	1	5/12/2005
ICP METALS E200.7(SW3010A)						Analyst: **SM**
Arsenic	< 0.005	0.005		mg/L	1	5/12/2005 3:22:00 PM
Barium	0.053	0.010		mg/L	1	5/12/2005 3:22:00 PM

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
T - Tentitively Identified Compound-Estimated Conc.
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *17-May-05*

CLIENT: Acton, Town of
Work Order: 050503007
Project: Town Landfill
PO#:

Client Sample ID: L-14
Collection Date: 5/2/2005
Lab Sample ID: 050503007-005
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS E200.7(SW3010A)						Analyst: **SM**
Cadmium	< 0.005	0.005		mg/L	1	5/12/2005 3:22:00 PM
Chromium	0.010	0.005		mg/L	1	5/12/2005 3:22:00 PM
Iron	29.0	0.050		mg/L	1	5/12/2005 3:22:00 PM
Lead	< 0.005	0.005		mg/L	1	5/12/2005 3:22:00 PM
Manganese	0.841	0.020		mg/L	1	5/12/2005 3:22:00 PM
Selenium	< 0.005	0.005		mg/L	1	5/12/2005 3:22:00 PM
Silver	< 0.010	0.010		mg/L	1	5/12/2005 3:22:00 PM
Sodium	94.6	0.050		mg/L	1	5/12/2005 3:22:00 PM
MERCURY E245.1(E245.1)						Analyst: **SM**
Mercury	< 0.0002	0.0002		mg/L	1	5/5/2005
ANIONS BY ION CHROMATOGRAPHY E300						Analyst: **SH**
Chloride	166	1.00		mg/L	1	5/5/2005
Nitrate, Nitrogen (As N)	0.04	0.02		mg/L	1	5/3/2005
Sulfate	3.60	2.00		mg/L	1	5/3/2005
ALKALINITY E310.1						Analyst: **LS**
Alkalinity, Total (As CaCO3)	48	1		mg/L	1	5/3/2005
AMMONIA E350.1						Analyst: **PL**
Nitrogen, Ammonia (As N)	0.4	0.1		mg/L	1	5/9/2005
PHENOLS, TOTAL E420.1						Analyst: **LS**
Phenolics, Total Recoverable	< 0.002	0.002		mg/L	1	5/10/2005
TOTAL DISSOLVED SOLIDS E160.1						Analyst: **LS**
TDS (Residue, Filterable)	335	5		mg/L	1	5/5/2005

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
T - Tentitively Identified Compound-Estimated Conc.
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *17-May-05*

CLIENT: Acton, Town of
Work Order: 050503007
Project: Town Landfill
PO#:

Client Sample ID: L-15
Collection Date: 5/2/2005
Lab Sample ID: 050503007-006
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
PURGEABLE HALOCARBONS E601						Analyst: **SO**
Dichlorodifluoromethane	12	1.0		µg/L	1	5/12/2005
Chloromethane	< 1.0	1.0		µg/L	1	5/12/2005
Vinyl chloride	< 1.0	1.0		µg/L	1	5/12/2005
Bromomethane	< 1.0	1.0		µg/L	1	5/12/2005
Chloroethane	3.7	1.0		µg/L	1	5/12/2005
Trichlorofluoromethane	< 1.0	1.0		µg/L	1	5/12/2005
1,1-Dichloroethene	< 1.0	1.0		µg/L	1	5/12/2005
Methylene chloride	< 1.0	1.0		µg/L	1	5/12/2005
trans-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	5/12/2005
1,1-Dichloroethane	< 1.0	1.0		µg/L	1	5/12/2005
cis-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	5/12/2005
Chloroform	< 1.0	1.0		µg/L	1	5/12/2005
1,1,1-Trichloroethane	< 1.0	1.0		µg/L	1	5/12/2005
Carbon tetrachloride	< 1.0	1.0		µg/L	1	5/12/2005
1,2-Dichloroethane	< 1.0	1.0		µg/L	1	5/12/2005
Trichloroethene	< 1.0	1.0		µg/L	1	5/12/2005
1,2-Dichloropropane	< 1.0	1.0		µg/L	1	5/12/2005
Bromodichloromethane	< 1.0	1.0		µg/L	1	5/12/2005
cis-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	5/12/2005
trans-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	5/12/2005
1,1,2-Trichloroethane	< 1.0	1.0		µg/L	1	5/12/2005
Tetrachloroethene	< 1.0	1.0		µg/L	1	5/12/2005
Dibromochloromethane	< 1.0	1.0		µg/L	1	5/12/2005
Chlorobenzene	< 1.0	1.0		µg/L	1	5/12/2005
Bromoform	< 1.0	1.0		µg/L	1	5/12/2005
1,1,2,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	5/12/2005
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	5/12/2005
1,4-Dichlorobenzene	2.0	1.0		µg/L	1	5/12/2005
1,2-Dichlorobenzene	< 1.0	1.0		µg/L	1	5/12/2005
PURGEABLE AROMATICS E602						Analyst: **SO**
Benzene	2.4	0.5		µg/L	1	5/12/2005
Toluene	< 1.0	1.0		µg/L	1	5/12/2005
Ethylbenzene	7.6	1.0		µg/L	1	5/12/2005
m,p-Xylene	30	1.0		µg/L	1	5/12/2005
o-Xylene	1.7	1.0		µg/L	1	5/12/2005
ICP METALS E200.7(SW3010A)						Analyst: **SM**
Arsenic	< 0.005	0.005		mg/L	1	5/12/2005 3:26:00 PM
Barium	0.418	0.010		mg/L	1	5/12/2005 3:26:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
T - Tentitively Identified Compound-Estimated Conc.
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *17-May-05*

CLIENT: Acton, Town of
Work Order: 050503007
Project: Town Landfill
PO#:

Client Sample ID: L-15
Collection Date: 5/2/2005
Lab Sample ID: 050503007-006
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS E200.7(SW3010A)						Analyst: **SM**
Cadmium	< 0.005	0.005		mg/L	1	5/12/2005 3:26:00 PM
Chromium	0.018	0.005		mg/L	1	5/12/2005 3:26:00 PM
Iron	89.1	0.050		mg/L	1	5/12/2005 3:26:00 PM
Lead	< 0.005	0.005		mg/L	1	5/12/2005 3:26:00 PM
Manganese	1.37	0.020		mg/L	1	5/12/2005 3:26:00 PM
Selenium	< 0.005	0.005		mg/L	1	5/12/2005 3:26:00 PM
Silver	< 0.010	0.010		mg/L	1	5/12/2005 3:26:00 PM
Sodium	102	0.050		mg/L	1	5/12/2005 3:26:00 PM
MERCURY E245.1(E245.1)						Analyst: **SM**
Mercury	< 0.0002	0.0002		mg/L	1	5/5/2005
ANIONS BY ION CHROMATOGRAPHY E300						Analyst: **SH**
Chloride	220	1.00		mg/L	1	5/5/2005
Nitrate, Nitrogen (As N)	< 0.02	0.02		mg/L	1	5/3/2005
Sulfate	12.0	2.00		mg/L	1	5/3/2005
ALKALINITY E310.1						Analyst: **LS**
Alkalinity, Total (As CaCO3)	390	1		mg/L	1	5/3/2005
AMMONIA E350.1						Analyst: **PL**
Nitrogen, Ammonia (As N)	17.0	0.1		mg/L	1	5/9/2005
PHENOLS, TOTAL E420.1						Analyst: **LS**
Phenolics, Total Recoverable	0.002	0.002		mg/L	1	5/10/2005
TOTAL DISSOLVED SOLIDS E160.1						Analyst: **LS**
TDS (Residue, Filterable)	715	5		mg/L	1	5/5/2005

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
T - Tentitively Identified Compound-Estimated Conc.
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *17-May-05*

CLIENT: Acton, Town of
Work Order: 050503007
Project: Town Landfill
PO#:

Client Sample ID: S-8
Collection Date: 5/2/2005
Lab Sample ID: 050503007-007
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
PURGEABLE HALOCARBONS E601						Analyst: **SO**
Dichlorodifluoromethane	< 1.0	1.0		µg/L	1	5/12/2005
Chloromethane	< 1.0	1.0		µg/L	1	5/12/2005
Vinyl chloride	< 1.0	1.0		µg/L	1	5/12/2005
Bromomethane	< 1.0	1.0		µg/L	1	5/12/2005
Chloroethane	< 1.0	1.0		µg/L	1	5/12/2005
Trichlorofluoromethane	< 1.0	1.0		µg/L	1	5/12/2005
1,1-Dichloroethene	< 1.0	1.0		µg/L	1	5/12/2005
Methylene chloride	< 1.0	1.0		µg/L	1	5/12/2005
trans-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	5/12/2005
1,1-Dichloroethane	< 1.0	1.0		µg/L	1	5/12/2005
cis-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	5/12/2005
Chloroform	< 1.0	1.0		µg/L	1	5/12/2005
1,1,1-Trichloroethane	< 1.0	1.0		µg/L	1	5/12/2005
Carbon tetrachloride	< 1.0	1.0		µg/L	1	5/12/2005
1,2-Dichloroethane	< 1.0	1.0		µg/L	1	5/12/2005
Trichloroethene	< 1.0	1.0		µg/L	1	5/12/2005
1,2-Dichloropropane	< 1.0	1.0		µg/L	1	5/12/2005
Bromodichloromethane	< 1.0	1.0		µg/L	1	5/12/2005
cis-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	5/12/2005
trans-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	5/12/2005
1,1,2-Trichloroethane	< 1.0	1.0		µg/L	1	5/12/2005
Tetrachloroethene	< 1.0	1.0		µg/L	1	5/12/2005
Dibromochloromethane	< 1.0	1.0		µg/L	1	5/12/2005
Chlorobenzene	< 1.0	1.0		µg/L	1	5/12/2005
Bromoform	< 1.0	1.0		µg/L	1	5/12/2005
1,1,2,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	5/12/2005
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	5/12/2005
1,4-Dichlorobenzene	< 1.0	1.0		µg/L	1	5/12/2005
1,2-Dichlorobenzene	< 1.0	1.0		µg/L	1	5/12/2005
PURGEABLE AROMATICS E602						Analyst: **SO**
Benzene	< 0.5	0.5		µg/L	1	5/12/2005
Toluene	< 1.0	1.0		µg/L	1	5/12/2005
Ethylbenzene	< 1.0	1.0		µg/L	1	5/12/2005
m,p-Xylene	< 1.0	1.0		µg/L	1	5/12/2005
o-Xylene	< 1.0	1.0		µg/L	1	5/12/2005
ICP METALS E200.7(SW3010A)						Analyst: **SM**
Arsenic	< 0.005	0.005		mg/L	1	5/12/2005 3:30:00 PM
Barium	0.039	0.010		mg/L	1	5/12/2005 3:30:00 PM

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
T - Tentitively Identified Compound-Estimated Conc.
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *17-May-05*

CLIENT: Acton, Town of
Work Order: 050503007
Project: Town Landfill
PO#:

Client Sample ID: S-8
Collection Date: 5/2/2005
Lab Sample ID: 050503007-007
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS E200.7(SW3010A)						Analyst: **SM**
Cadmium	< 0.005	0.005		mg/L	1	5/12/2005 3:30:00 PM
Chromium	< 0.005	0.005		mg/L	1	5/12/2005 3:30:00 PM
Iron	0.568	0.050		mg/L	1	5/12/2005 3:30:00 PM
Lead	< 0.005	0.005		mg/L	1	5/12/2005 3:30:00 PM
Manganese	0.158	0.020		mg/L	1	5/12/2005 3:30:00 PM
Selenium	< 0.005	0.005		mg/L	1	5/12/2005 3:30:00 PM
Silver	< 0.010	0.010		mg/L	1	5/12/2005 3:30:00 PM
Sodium	89.3	0.050		mg/L	1	5/12/2005 3:30:00 PM
MERCURY E245.1(E245.1)						Analyst: **SM**
Mercury	< 0.0002	0.0002		mg/L	1	5/5/2005
ANIONS BY ION CHROMATOGRAPHY E300						Analyst: **SH**
Chloride	172	1.00		mg/L	1	5/5/2005
Nitrate, Nitrogen (As N)	0.60	0.02		mg/L	1	5/3/2005
Sulfate	15.0	2.00		mg/L	1	5/3/2005
ALKALINITY E310.1						Analyst: **LS**
Alkalinity, Total (As CaCO3)	32	1		mg/L	1	5/3/2005
AMMONIA E350.1						Analyst: **PL**
Nitrogen, Ammonia (As N)	0.2	0.1		mg/L	1	5/9/2005
TOTAL DISSOLVED SOLIDS E160.1						Analyst: **LS**
TDS (Residue, Filterable)	705	5		mg/L	1	5/5/2005

Qualifiers:

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J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
T - Tentitively Identified Compound-Estimated Conc.
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *17-May-05*

CLIENT: Acton, Town of
Work Order: 050503007
Project: Town Landfill
PO#:

Client Sample ID: Trip Blank-Lot# 101
Collection Date: 5/2/2005
Lab Sample ID: 050503007-008
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
PURGEABLE HALOCARBONS E601						Analyst: **SO**
Dichlorodifluoromethane	< 1.0	1.0		µg/L	1	5/12/2005
Chloromethane	< 1.0	1.0		µg/L	1	5/12/2005
Vinyl chloride	< 1.0	1.0		µg/L	1	5/12/2005
Bromomethane	< 1.0	1.0		µg/L	1	5/12/2005
Chloroethane	< 1.0	1.0		µg/L	1	5/12/2005
Trichlorofluoromethane	< 1.0	1.0		µg/L	1	5/12/2005
1,1-Dichloroethene	< 1.0	1.0		µg/L	1	5/12/2005
Methylene chloride	< 1.0	1.0		µg/L	1	5/12/2005
trans-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	5/12/2005
1,1-Dichloroethane	< 1.0	1.0		µg/L	1	5/12/2005
cis-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	5/12/2005
Chloroform	< 1.0	1.0		µg/L	1	5/12/2005
1,1,1-Trichloroethane	< 1.0	1.0		µg/L	1	5/12/2005
Carbon tetrachloride	< 1.0	1.0		µg/L	1	5/12/2005
1,2-Dichloroethane	< 1.0	1.0		µg/L	1	5/12/2005
Trichloroethene	< 1.0	1.0		µg/L	1	5/12/2005
1,2-Dichloropropane	< 1.0	1.0		µg/L	1	5/12/2005
Bromodichloromethane	< 1.0	1.0		µg/L	1	5/12/2005
cis-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	5/12/2005
trans-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	5/12/2005
1,1,2-Trichloroethane	< 1.0	1.0		µg/L	1	5/12/2005
Tetrachloroethene	< 1.0	1.0		µg/L	1	5/12/2005
Dibromochloromethane	< 1.0	1.0		µg/L	1	5/12/2005
Chlorobenzene	< 1.0	1.0		µg/L	1	5/12/2005
Bromoform	< 1.0	1.0		µg/L	1	5/12/2005
1,1,2,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	5/12/2005
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	5/12/2005
1,4-Dichlorobenzene	< 1.0	1.0		µg/L	1	5/12/2005
1,2-Dichlorobenzene	< 1.0	1.0		µg/L	1	5/12/2005
PURGEABLE AROMATICS E602						Analyst: **SO**
Benzene	< 0.5	0.5		µg/L	1	5/12/2005
Toluene	< 1.0	1.0		µg/L	1	5/12/2005
Ethylbenzene	< 1.0	1.0		µg/L	1	5/12/2005
m,p-Xylene	< 1.0	1.0		µg/L	1	5/12/2005
o-Xylene	< 1.0	1.0		µg/L	1	5/12/2005

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
T - Tentitively identified Compound-Estimated Conc.
E - Value above quantitation range

1 of 3

Adirondack Environmental Services, Inc.
314 North Pearl Street
Albany, New York 12207
518-434-4546/434-0891 FAX

CHAIN OF CUSTODY RECORD

Experience is the solution

A full service analytical research laboratory offering solutions to environmental concerns

Client Name:	Address:	
Corey York/ Town of Acton	472 Main Street Acton, MA 01720	
Send Report To:	**Project Name (Location)**	**Samplers: (Names)**
Corey York	Town of Acton Landfill	Corey York
Client Phone No: / **Client Fax No:**	**PO Number:**	**Samplers: (Signature)**
978-264-9628 / 978 264-9630	20052580-00	

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.	Sample Type Matrix	Comp	Grab	Number of Cont's	Analysis Required
32-P.F.U	L-2	5/2/05	10:15 A/P	GW		✓	1	IC_SCAN_W TDS_W
16-P.P.Nitric	L-2	5/2/05	10:15 A/P	GW		✓	1	ICP Metals W Mercury_WW
8-P.P.H2SO4	L-2 001	5/2/05	10:15 A/P	GW		✓	1	Ammonia_W
4-P/G-F.U	L-2	5/2/05	10:15 A/P	GW		✓	1	Alkalinity
VOA-G-T-HCL	L-2	5/2/05	10:15 A/P	GW		✓	2	E601 E602
32-P.F.U	L-11	5/2/05	9:15 A/P	GW		✓	1	IC_SCAN_W TDS_W
16-P.P.Nitric	L-11 002	5/2/05	9:15 A/P	GW		✓	1	ICP Metals W
8-P.P.H2SO4	L-11	5/2/05	9:15 A/P	GW		✓	1	Ammonia_W
4-P/G-F.U	L-11	5/2/05	9:15 A/P	GW		✓	1	Alkalinity
32-P.F.U	L-12	5/2/05	" A/P	GW		✓	1	IC_SCAN_W TDS_W
16-P.P.Nitric	L-12	5/2/05	" A/P	GW		✓	1	ICP METALS W MERCURY_WW
8-P.P.H2SO4	L-12 003	5/2/05	" A/P	GW		✓	1	Ammonia_W
4-P/G-F.U	L-12	5/2/05	" A/P	GW		✓	1	Alkalinity
VOA-G-T-HCL	L-12	5/2/05	" A/P	GW		✓	2	E601 E602

AES Work Order #: 050503007

Turnaround Time Request:
☐ 1 Day ☐ 3 Day ☑ Normal
☐ 2 Day ☐ 5 Day

CC Report To / Special Instructions/Remarks:
Attached Herewith is a table showing the types of analyses required for each sample taken around the landfill.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		5/2/05
Relinquished by: (Signature)	**Received by: (Signature)**	**Date/Time**
Relinquished by: (Signature)	**Received for Laboratory by:**	**Date/Time**
		5/3/05 856

Temperature	Properly Preserved	Received Within Holding Times
Ambient or Chilled 4°C	Y N	Y N
Notes:	Notes:	Notes:

WHITE - Lab Copy YELLOW - Sampler Copy PINK - Generator Copy

2 of 3

Adirondack Environmental Services, Inc.
314 North Pearl Street
Albany, New York 12207
518-434-4546/434-0891 FAX

CHAIN OF CUSTODY RECORD

Experience is the solution

A full service analytical research laboratory offering solutions to environmental concerns

Client Name:	Address:	
Corey York / Town of Acton	472 Main Street Acton MA 01720	
Send Report To:	**Project Name (Location)**	**Samplers: (Names)**
Corey York	Town of Acton Landfill	Corey York
Client Phone No: / **Client Fax No:**	**PO Number:**	**Samplers: (Signature)**
978-264-9628 / 978-264-9630	20052580-00	[signature]

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.	Sample Type Matrix	Comp	Grab	Number of Cont's	Analysis Required
32·P·F·U	L-13	5/2/05	11:45 (A) P	GW		✓	1	IC_SCAN_W TDS_W
16-P.P.Nitric	L-13	5/2/05	11:45 (A) P	GW		✓	1	ICP_METALS W MERCURY_WW
8·P·P·H2SO4	L-13 004	5/2/05	11:45 (A) P	GW		✓	1	AMMONIA_W
4·P/G·F·U	L-13	5/2/05	11:45 (A) P	GW		✓	1	Alkalinity
VOA-G-T-HCL	L-13	5/2/05	11:45 (A) P	GW		✓	2	E601 E602
32·G·P·H2SO4	L-13	5/2/05	11:45 (A) P	GW		✓	1	PHENOLS_WATER
32·P·F·U	L-14	5/2/05	1 A (P)	GW		✓	1	IC_SCAN_W TDS_W
16·P·P·Nitric	L-14	5/2/05	1 A (P)	GW		✓	1	ICP METALS W MERCURY_WW
8·P·P·H2SO4	L-14 005	5/2/05	1 A (P)	GW		✓	1	AMMONIA_W
4·P/G·F·U	L-14	5/2/05	1 A (P)	GW		✓	1	Alkalinity
VOA·G·T·HCL	L-14	5/2/05	1 A (P)	GW		✓	2	E601 E602
32·G·P·H2SO4	L-14	5/2/05	1 A (P)	GW		✓	1	PHENOLS_WATER
			A P					
			A P					

AES Work Order #: 050503007

CC Report To / Special Instructions/Remarks: Attached Herewith is a table showing the types of analyses required for each sample taken around the landfill

Turnaround Time Request:
- ☐ 1 Day
- ☐ 2 Day
- ☐ 3 Day
- ☑ Normal
- ☐ 5 Day

Relinquished by: (Signature)	Received by: (Signature)	Date/Time
[signature]		5/2/05
Relinquished by: (Signature)	Received by: (Signature)	Date/Time
[signature]		
Relinquished by: (Signature)	Received for Laboratory by: [signature]	Date/Time 5/3/05 856

Temperature	Properly Preserved	Received Within Holding Times
Ambient or Chilled 4°C	Y N	Y N
Notes:	Notes:	Notes:

WHITE - Lab Copy YELLOW - Sampler Copy PINK - Generator Copy

3 of 3

Adirondack Environmental Services, Inc.
Experience is the solution
314 North Pearl Street
Albany, New York 12207
518-434-4546/434-0891 FAX

CHAIN OF CUSTODY RECORD

A full service analytical research laboratory offering solutions to environmental concerns

Client Name:	Address:	
Corey York / Town of Acton	472 Main Street Acton, MA 01720	
Send Report To:	**Project Name (Location)**	**Samplers: (Names)**
Corey York	Town of Acton Landfill	Corey York
Client Phone No: / **Client Fax No:**	**PO Number:**	**Samplers: (Signature)**
978-264-9628 / 978-264-9630	20052580-00	[signature]

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.		Sample Type Matrix	Comp	Grab	Number of Cont's	Analysis Required
32-P-F-U	L-15	5/2/05	12:30	A (P)	GW		✓	1	IC-SCAN-W TDS-W
16-P-P-Nitric	L-15	5/2/05	12:30	A (P)	GW		✓	1	ICP METALS W MERCURY-WW
8-P-P-H2SO4	L-15	5/2/05	12:30	A (P)	GW		✓	1	AMMONIA-W
4-P/G-F-U	L-15	5/2/05	12:30	A (P)	GW		✓	1	Alkalinity
VOA-G-T-HCL	L-15	5/2/05	12:30	A (P)	GW		✓	2	E601 E602
32-G-P-H2SO4	L-15	5/2/05	12:30	A (P)	GW		✓	1	PHENOLS-WATER
32-P-F-U	S-8	5/2/05	8:30	(A) P	GW		✓	1	IC-SCAN-W TDS-W
16-P-P-Nitric	S-8	5/2/05	8:30	(A) P	GW		✓	1	ICP METALS W MERCURY-WW
8-P-P-H2SO4	S-8	5/2/05	8:30	(A) P	GW		✓	1	AMMONIA-W
4-P/G-F-U	S-8	5/2/05	8:30	(A) P	GW		✓	1	Alkalinity
VOA-G-T-HCL	S-8	5/2/05	8:30	(A) P	GW		✓	2	E601 E602
Lot #101	TRIP BLANK - H2O AND HYDROCHLORIC ACID SOLUTION CAS #7647-01-0	1-7-05	—	A P	—	—	—	1	TRIP BLANK WW 1789
				A P					
				A P					

006

007

008

AES Work Order #:	CC Report To / Special Instructions/Remarks:
050503007	Attached Herewith is a table showing the types of analyses required for each sample taken around the landfill.

Turnaround Time Request:
☐ 1 Day ☐ 3 Day ☑ Normal
☐ 2 Day ☐ 5 Day

Relinquished by: (Signature)	Received by: (Signature)	Date/Time
[signature]		5/2/05
Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Relinquished by: (Signature)	Received for Laboratory by: [signature]	Date/Time 5/3/05 856

Temperature	Properly Preserved	Received Within Holding Times
Ambient or Chilled (4°C)	(Y) N	(Y) N
Notes:	Notes:	Notes:

WHITE - Lab Copy YELLOW - Sampler Copy PINK - Generator Copy

Adirondack Environmental Services, Inc.
Experience is the solution
314 North Pearl Street • Albany, New York 12207 • (518) 434-4546 • Fax (518) 434-0891

TERMS, CONDITIONS & LIMITATIONS

All Services rendered by **Adirondack Environmental Services, Inc.** are undertaken and all rates are based upon the following terms:

(a) Neither **Adirondack Environmental Services, Inc.**, nor any of its employees, agents or sub-contractors shall be liable for any loss or damage arising out of **Adirondack Environmental Services, Inc.'s** performance or nonperformance, whether by way of negligence or breach of contract, or otherwise, in any amount greater than twice the amount billed to the customer for the work leading to the claim of the customer. Said remedy shall be the sole and exclusive remedy against **Adirondack Environmental Services, Inc.** arising out of its work.

(b) All claims made must be in writing within forty-five (45) days after delivery of the **Adirondack Environmental Services, Inc.** report regarding said work or such claim shall be deemed as irrevocably waived.

(c) **Adirondack Environmental Services, Inc.** reports are submitted in writing and are for our customers only. Our customers are considered to be only those entities being billed for our services. Acquisition of an **Adirondack Environmental Services, Inc.** report by other than our customer does not constitute a representation of **Adirondack Environmental Services, Inc.** as to the accuracy of the contents thereof.

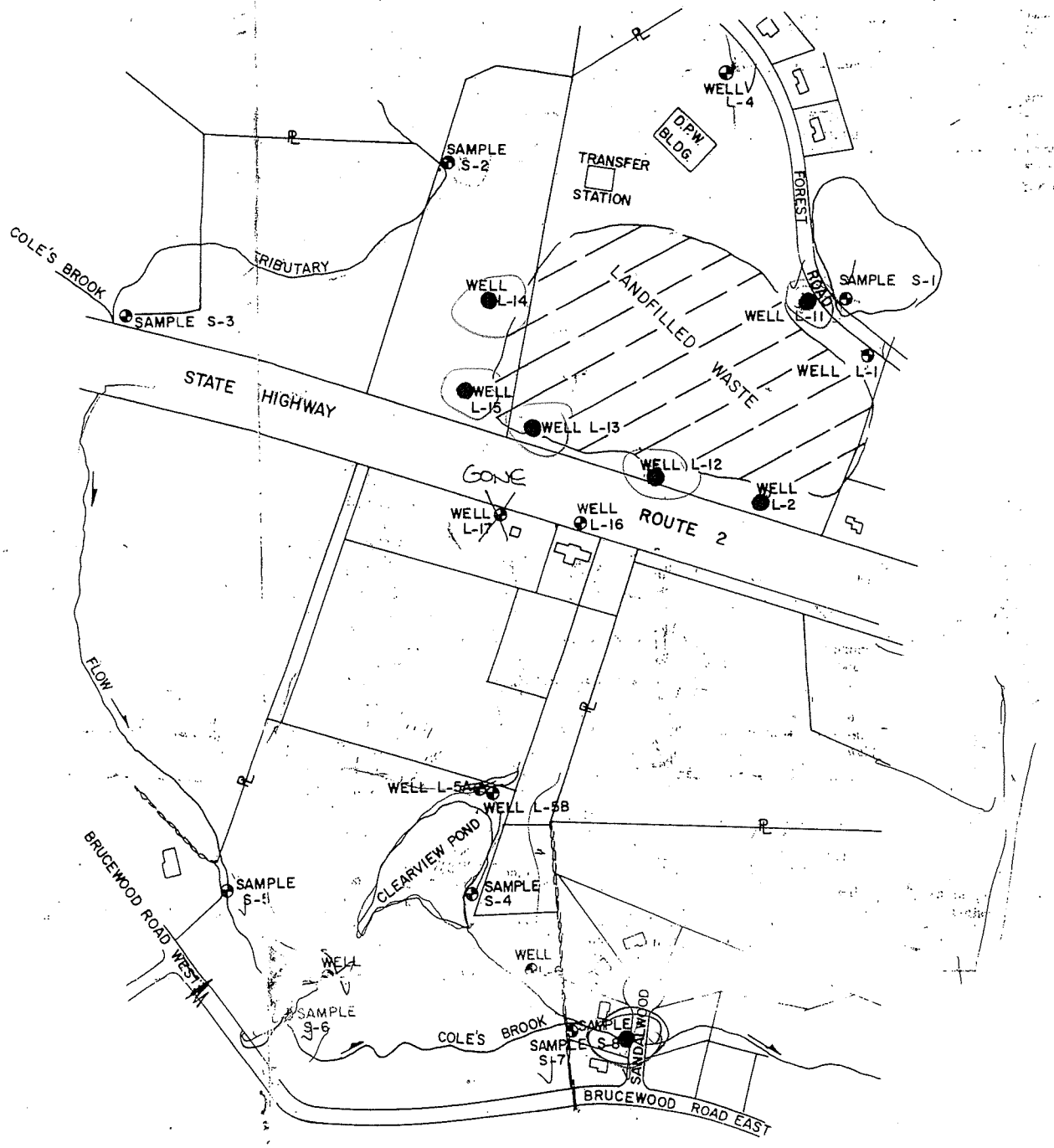
(d) In no event shall **Adirondack Environmental Services, Inc.**, its employees agents or sub-contractors be responsible for consequential or special damages of any kind or in any amount.

(e) No deviation from the terms set forth herein shall bind **Adirondack Environmental Services, Inc.** unless in writing and signed by a Director of **Adirondack Environmental Services, Inc.**

(f) Results pertain only to items analyzed. Information supplied by client is assumed to be correct. This information may be used on reports and in calculations and **Adirondack Environmental Services, Inc.** is not responsible for the accuracy of this information.

Groundwater/Surface Water Sampling Locations

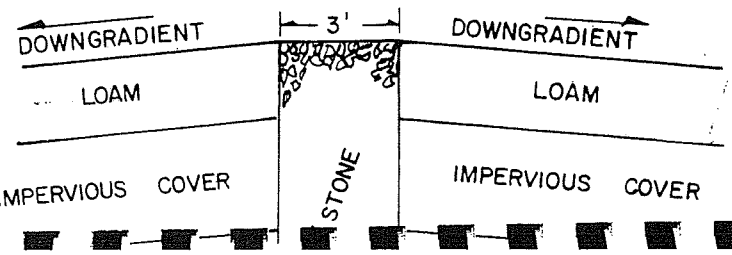
HORIZONTAL LOCATION OF WELLS & SAMPLES



C

NOTE:

MONITORING WELL ◉ LOCATIONS ARE APPROXIMATE



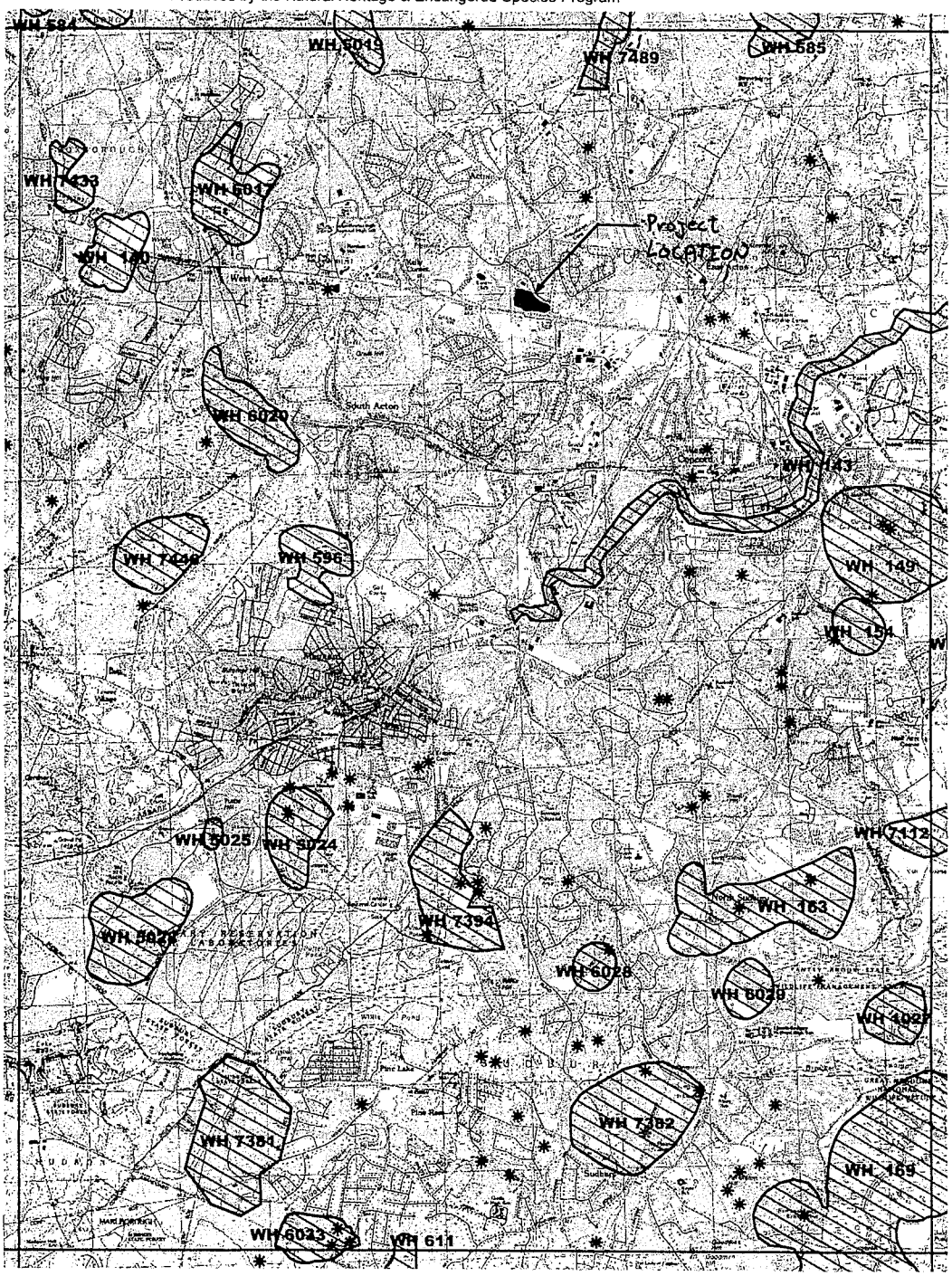
Estimated Habitats of Rare Wildlife and Certified Vernal Pools

ESTIMATED HABITATS OF RARE WILDLIFE AND CERTIFIED VERNAL POOLS

For use with the MA Wetlands Protection Act Regulations (310 CMR 10)

Effective June 1, 2003

Produced by the Natural Heritage & Endangered Species Program



0.5 0 0.5 1 Miles

See County Index Maps to locate adjacent quadrangles

MAYNARD QUAD

D

Priority Habitats of Rare Species

PRIORITY HABITATS OF RARE SPECIES

For species protected under MA Endangered Species Act Regulations (321 CMR 10)
Note: NOT equivalent to Significant Habitat
Effective June 1, 2003
Produced by the Natural Heritage & Endangered Species Program

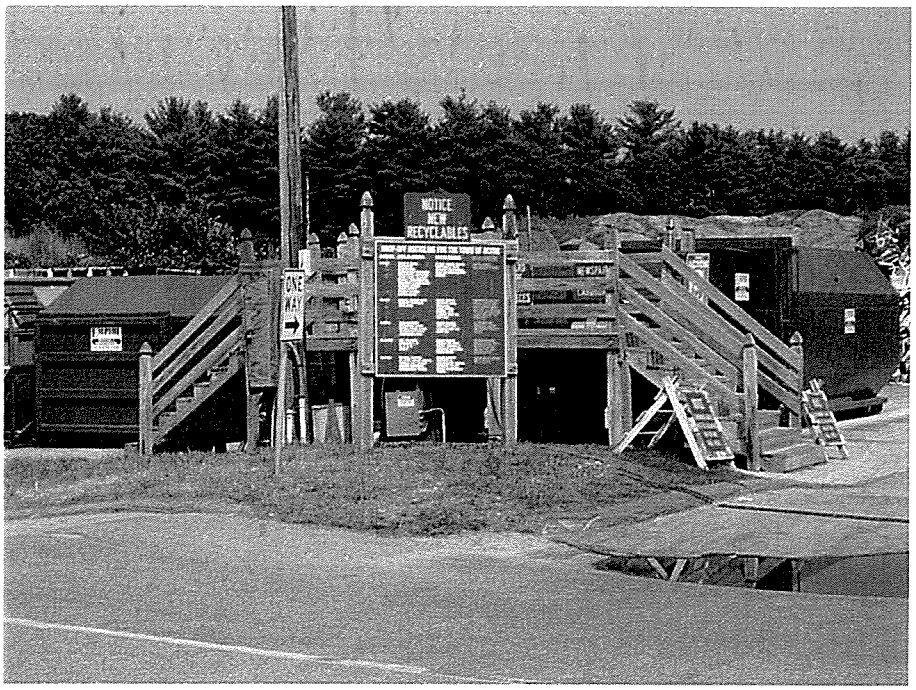
0.5 0 0.5 1 Miles

See County Index Maps to locate adjacent quadrangles

MAYNARD QUAD

Photographs

Town of Acton
Recycling Area
Existing Condition Photos
Showing lack of Handicap Accessibility



Town of Acton
Recycling Area
Existing Condition Photos
Showing lack of Handicap Accessibility

COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF ENVIRONMENTAL AFFAIRS
DEPARTMENT OF ENVIRONMENTAL PROTECTION
Central Regional Office, 627 Main Street, Worcester, MA 01608

MITT ROMNEY
Governor

KERRY HEALEY
Lieutenant Governor

STEPHEN R. PRITCHARD
Secretary

ROBERT W. GOLLEDGE, Jr.
Commissioner

BWP SW 37 POST-CLOSURE USE - MINOR
Acton Municipal Landfill

Provisional Permit Date: October 3, 2005

Name of Permittee:	Town of Acton. (the "Permittee")
Mailing Address:	472 Main Street Acton, Mass. 01720
Name of Facility:	Acton Municipal Landfill
Facility Address:	14 Forest Road Acton, Massachusetts 01720
DEP Region:	MassDepartment of Environmental Protection (the "Department" or "MassDEP") Central Regional Office (CERO), Worcester Division of Solid Waste Management (DSWM)
Permit No:	Transmittal Number: W067113

I. FACILITY DESCRIPTION AND OUTSTANDING APPROVAL STATUS

A. Facility

1. Owner:	Town of Acton
2. Lessor:	None
3. Operator:	Town of Acton

4. Description:

The Landfill is a former municipal sanitary landfill owned by the Town of Acton. It ceased operations in 1970 and capping was completed in 1988. Part of the site is presently being used as a transfer station for the town. The landfill site measures approximately 18 acres.

B. Permit Application Information for BWP SW 37 Post-Closure Use - Minor

1. Applicant Name: Town of Acton (Permittee)

2. Transmittal Number: W067113

3. Start Date of Application: August 12, 2005

4. Date of Fee Receipt: Exempt

5. Consulting Registered Professional Engineer:

   Camp Dresser & McKee Inc.
   One Cambridge Place, 50 Hampshire Street
   Cambridge, Mass. 02139
   Tel - (617)-452-6000
   Contact: Christopher Koehler, P.E.

6. Title of Submittals and Date of Receipt at DEP, CERO:

   Application for Post-Closure Use-Minor
   Town of Acton Landfill
   Acton, Massachusetts
   Dated: August 8, 2005
   Received by DEP-CERO: August 11, 2005

7. Project Description:

   The Permittee proposes to use the capped landfill area for: a multi-recreational field containing a baseball /softball diamond, soccer field and a golf ball driving range with a DPW stockpiling and storage area as well as the presently constructed transfer station and an improved recycling area. This use will include a paved roadway for access and a paved parking lot for the public's use.

II. POST CLOSURE USE – MINOR, APPLICATION REVIEW AND APPROVAL

This application complies with the application requirements at 310 CMR 19.016 and 19.143: Post Closure Use of Landfills, and was reviewed in accordance with 310 CMR 19.037: Review Procedure for Existing Facility Permits, Permit Modifications, Permit Renewals and other Approvals. The plans and reports described above establish that the submittal complies with the criteria at 310 CMR 19.143, Post-Closure Use of Landfills.

This document is a Permit, issued pursuant to Massachusetts General Laws (MGL) Chapter 111, Section 150A and 310 CMR 19.000, the Solid Waste Management Facility Regulations (the "Facility Regulations"), and is subject to the conditions set forth below. In the event this Permit conflicts with all or parts of prior plan approvals or permits issued pursuant to Chapter 111, Section 150A or solid waste regulations in effect prior to July 1, 1990, the terms and conditions of this Permit shall supersede the conflicting provisions of the prior permits and/or approvals. This Permit does not convey property rights of any sort or any exclusive privilege.

This permit application is approved as it has been found, through the above outlined review process, to comply with the above outlined laws and regulations.

III. GENERAL PERMIT CONDITIONS

1. **Compliance with Plans** - The Permittee shall assure that the site is constructed and operated in accordance with approved plans, reports, and other submissions described in Section I, except as may be modified by the conditions set forth in Section IV. No material changes in the design or activities described in the approved documents shall be performed without prior written Department approval.

2. **Compliance with Other Approvals** - The post-closure use of this facility shall be in compliance with other applicable local, state and federal laws and regulations. The Permittee shall effect coordination with local boards and departments as required.

3. **Standard Conditions** - The Permittee shall maintain the facility in accordance with the conditions at 310 CMR 19.007-19.011 and 19.043(5).

4. **Transfer** - No transfer of the permit shall be permitted except in accordance with 310 CMR 19.044.

5. **Permit Modification** - The Department reserves the right to rescind, suspend or modify this Permit by the imposition of additional conditions based upon a

determination of actual, or the threat of, adverse impacts from the construction, operation, maintenance or closure of the facility.

IV. SPECIFIC PERMIT CONDITIONS

1. **Post-Closure Maintenance** – In accordance with 310 CMR 19.142, *Landfill Post-Closure Requirements*, the Permittee shall conduct post-closure monitoring and maintenance of the landfill during the post-closure period

2. **Criteria for Post-Closure Use** - This approval for post-closure use of the Town of Acton Landfill shall be accomplished such that the integrity of the existing cap and the function of the facility's monitoring systems shall not be impaired in any way. There is to be no penetration of the cap. All drainage structures and other erosion/sedimentation controls shall be maintained with minor changes as described in the permit application described in Section 1 above. Proposed modifications to the site will have negligible effect on the drainage patterns and the applicant will get an NPDES permit.

3. **No construction of permanent structures on the cap** - No permanent structures or structures that require a support foundation, are to be constructed on the cap without approval from the MassDEP.

4. **Slopes** – Top and side slopes are to meet the grade requirements detailed in 310 CMR 19.130 (18) with a minimum top slope grade of 5% and side slopes of three horizontal to one vertical.

V. RIGHT OF APPEAL

1. Right to Appeal- Pursuant to 310 CMR 19.037(5), any person aggrieved by the issuance of this Permit may file an appeal for judicial review of said decision in accordance with the provisions of MGL, Chapter 111, Section 150A and Chapter 30A not later than thirty (30) days following notice of this decision.

2. Notice of Appeal - Any aggrieved person intending to appeal the decision to the superior court shall provide notice to the Department of intention to commence such action. Said notice of intention shall include the Department File Number and shall identify with particularity the issues and reason(s) why it is believed the approval decision was not proper. Such notice shall be provided to the Office of General Counsel of the Department, and the Regional Director for the regional office, which made the decision. The appropriate addresses to send such notices are:

Office of General Counsel
Department of Environmental Protection
One Winter Street-Third floor
Boston, MA 02108

Regional Director
Department of Environmental Protection
Central Regional Office
627 Main Street
Worcester, MA 01608

No allegation shall be made in any judicial appeal of this decision unless the matter complained of was raised at the appropriate point in the administrative review procedures established in those regulations, provided that matter may be raised upon a showing that it is material and that it was not reasonably possible with due diligence to have been raised during such procedures, or that the matter sought to be raised is of critical importance to the public health or environmental impact of the permitted activity.

Thank you, and if you have any questions or comments relating to this matter, please feel free to contact John McMichael of the Solid Waste Management Program at 508-767-2833.

John J. Regan
Section Chief
Solid Waste Management Program
Bureau of Waste Prevention

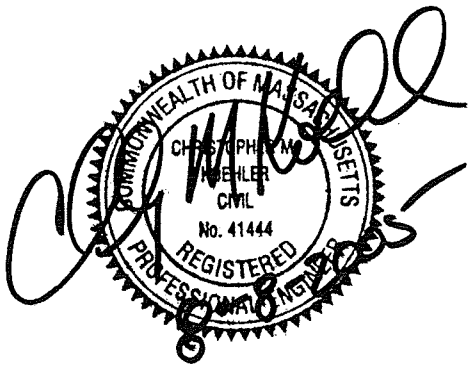
cc: Acton Board of Health
Christopher Koehler, CD&M

W:\SWM\town\Actonl2005 Lf SW 37 ProvPmt

Town of Acton, Massachusetts

Post-Closure Use Design

August 8, 2005



Post-Closure Use – Application Minor BWP SW 37

Enter your transmittal number → W 067113 (Transmittal Number)

Your unique Transmittal Number can be accessed online: http://www.mass.gov/dep/counter/trasmfrm.shtml or call DEP's InfoLine at 617-338-2255 or 800-462-0444 (from 508, 781, and 978 area codes).

Massachusetts Department of Environmental Protection

Transmittal Form for Permit Application and Payment

1. Please type or print. A separate Transmittal Form must be completed for each permit application.

2. Make your check payable to the Commonwealth of Massachusetts and mail it with a copy of this form to: DEP, P.O. Box 4062, Boston, MA 02211.

3. Three copies of this form will be needed.

Copy 1 - the original must accompany your permit application. **Copy 2** must accompany your fee payment. **Copy 3** should be retained for your records

4. Both fee-paying and exempt applicants must mail a copy of this transmittal form to:

DEP
P.O. Box 4062
Boston, MA
02211

*** Note:** For BWSC Permits, enter the LSP.

A. Permit Information

BWP SW 37
1. Permit Code: 7 or 8 character code from permit instructions

Minor
2. Name of Permit Category

Landfill Post-Closure Use Plan
3. Type of Project or Activity

B. Applicant Information – Firm or Individual

Town of Acton
1. Name of Firm - Or, if party needing this approval is an individual enter name below:

2. **Last Name** of Individual
3. **First Name** of Individual
4. MI

472 Main Street
5. Street Address

6. City/Town	7. State	8. Zip Code	9. Telephone #	10. Ext. #
Acton	MA	01720	978-264-9628	

Mr. Bruce Stamski, P.E.
11. Contact Person

12. e-mail address (optional)

C. Facility, Site or Individual Requiring Approval

Acton Landfill
1. Name of Facility, Site Or Individual

14 Forest Road
2. Street Address

3. City/Town	4. State	5. Zip Code	6. Telephone #	7. Ext. #
Acton	MA	01720		

8. DEP Facility Number (if Known)
9. Federal I.D. Number (if Known)
10. BWSC Tracking # (if Known)

D. Application Prepared by (if different from Section B)*

Camp Dresser & McKee Inc.
1. Name of Firm Or Individual

One Cambridge Place, 50 Hampshire Street
2. Address

3. City/Town	4. State	5. Zip Code	6. Telephone #	7. Ext. #
Cambridge	MA	02139	617-452-6000	

Mr. Christopher Koehler, P.E.
8. Contact Person

9. LSP Number (BWSC Permits only)

E. Permit - Project Coordination

1. Is this project subject to MEPA review? ☐ yes ☒ no
   If yes, enter the project's EOEA file number - assigned when an Environmental Notification Form is submitted to the MEPA unit:

EOEA File Number

F. Amount Due

DEP Use Only

Permit No:

Rec'd Date:

Reviewer:

Special Provisions:

1. ☒ Fee Exempt (city, town or municipal housing authority)(state agency if fee is $100 or less).
   There are no fee exemptions for BWSC permits, regardless of applicant status.
2. ☐ Hardship Request - payment extensions according to 310 CMR 4.04(3)(c).
3. ☐ Alternative Schedule Project (according to 310 CMR 4.05 and 4.10).
4. ☐ Homeowner (according to 310 CMR 4.02).

Check Number	Dollar Amount	Date
		8-8-05

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention – Solid Waste Management

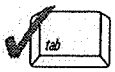
BWP SW 36 Post-Closure Use – Major
BWP SW 37 Post-Closure Use – Minor
Application for Post-Closure Use Permit

W 067113
Transmittal Number

Facility ID# (if known)

A. Project Information (all applicants must complete this section)

Important: When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



Directions: Specify the plan/report and page numbers in which the following information is located.

1. Which permit category are you applying for? ☐ BWP SW 36 ☒ BWP SW 37
2. Is MEPA review required for this project? ☐ Yes ☒ No

	Plan/Report #	Page #	DEP Use Only
3. Post-closure use (310 CMR 19.016 & 19.143):			
a. general description		1-1	
(1) current post-closure use		1-1	
(2) proposed post-closure use		1-1	
(3) effect of changes		1-3	
b. effect on public health safety or the environment		1-3	
4. Department-approved closure plan		Appendix B	

B. Project Information

Note: Complete only sections applicable to requested post-closure use. Enter NA if not applicable.

	Plan/Report #	Page #	DEP Use Only
1. Post-closure use plan/report:			
a. site plan	Sheet L-1	N/A	
b. design plan			
(1) original design		N/A	
(2) proposed design	Sheet L-2	2-1, 2-2, 2-3	
(3) changes from original design		2-2	
(4) closure/final cover integrity/function		2-1, 2-2, 3-1	
c. drainage plan		2-2, 2-3	
d. landfill gas control/monitoring plan		1-3	

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention – Solid Waste Management

BWP SW 36 Post-Closure Use – Major
BWP SW 37 Post-Closure Use – Minor
Application for Post-Closure Use Permit

Transmittal Number

Facility ID# (if known)

B. Project Information (cont.)

	Plan/Report #	Page #	DEP Use Only
2. Additional plan/reports for constructing permanent structures on filled areas:			
a. settlement analysis			
(1) waste characteristic - refuse, depth, age composition, etc.	NA	NA	
(2) settlement monitoring - preloading, test fills surveys, etc.	NA	NA	
b. design considerations			
(1) differential settlement	NA	NA	
(2) gas control/monitoring in structures	NA	NA	
(3) final cover penetrations/integrity	NA	NA	
(4) utility connections	NA	NA	

C. Permit Review Documentation and Criteria

Note: Complete all sections applicable to requested post closure use. Refer to referenced regulation citation for applicability. Enter NA if not applicable.

	Plan/Report #	Page #	DEP Use Only
1. Documentation:			
a. wetlands order of conditions		4-1	
b. financial assurance estimate and mechanism (310 CMR 19.051)		4-1	
2. Permit criteria:			
a. (310 CMR 19.038(1)(d)) (all facilities)			
(1) MEPA compliance		4-1	
(2) sight assignment limits		4-1	
(3) compliance with facility specific regulations		4-1	
(4) health & environmental impact assessment		4-1	

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention – Solid Waste Management

BWP SW 36 Post-Closure Use – Major
BWP SW 37 Post-Closure Use – Minor
Application for Post-Closure Use Permit

Transmittal Number

Facility ID# (if known)

C. Permit Review Documentation and Criteria (cont.)

	Plan/Report #	Page #	DEP Use Only
(5) compliance with other applicable laws and regulations	NA	NA	
(6) enforcement status		4-1	
(7) structural support		4-1	
b. 310 CMR 19.143(3) (landfills only)			
(1) final contour changes		2-1, 2-2	
a. no adverse impacts		2-1, 2-2	
b. reduce threats		NA	
(2) integrity of final cover		2-1, 2-2, 3-1	
(3) drainage/erosion controls		2-2, 2-3	

D. Certification: 310 CMR 19.011

Any person, required by these regulations or any order issued by the Department, to submit papers shall identify themselves by name, profession, and relationship to the applicant and legal interest in the facility, and make the following certification:

"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate and complete. I am aware that there are significant penalties both civil and criminal for submitting false information including possible fines and imprisonment."

DON P. JOHNSON
Print Name

Don P. Johnson
Authorized Signature

TOWN MANAGER
Position/Title

8/9/05
Date

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Appendices

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Appendix B	DEP Approved Closure Recognition
Appendix C	DEP Transfer Station Correspondence
Appendix D	Site Assignment
Appendix E	Groundwater Surface Water Monitoring Data (2000-2004)
Appendix F	Groundwater/Surface Water Sampling Locations, Estimated Habitats or Rare Wildlife and Certified Vernal Pools, Priority Habitats of Rare Species
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Section 1
Introduction

1.1 Introduction

This Post-Closure Use Application and the accompanying plans, dated August 2005, detail the proposed Post-Closure Use Plan for the Acton Landfill located off of State Highway Route 2 in the Town of Acton, Massachusetts (Town). The report and design plans were prepared on behalf of the Town by Camp Dresser & McKee Inc. (CDM) in accordance with the Massachusetts Solid Waste Management Regulations (310 CMR 19.000) and the Massachusetts Department of Environmental Protection (DEP) "Landfill Technical Guidance Manual" (Revised May 1997). Design-related issues for the recreational use of the site are contained herein.

1.2 Site Description and History

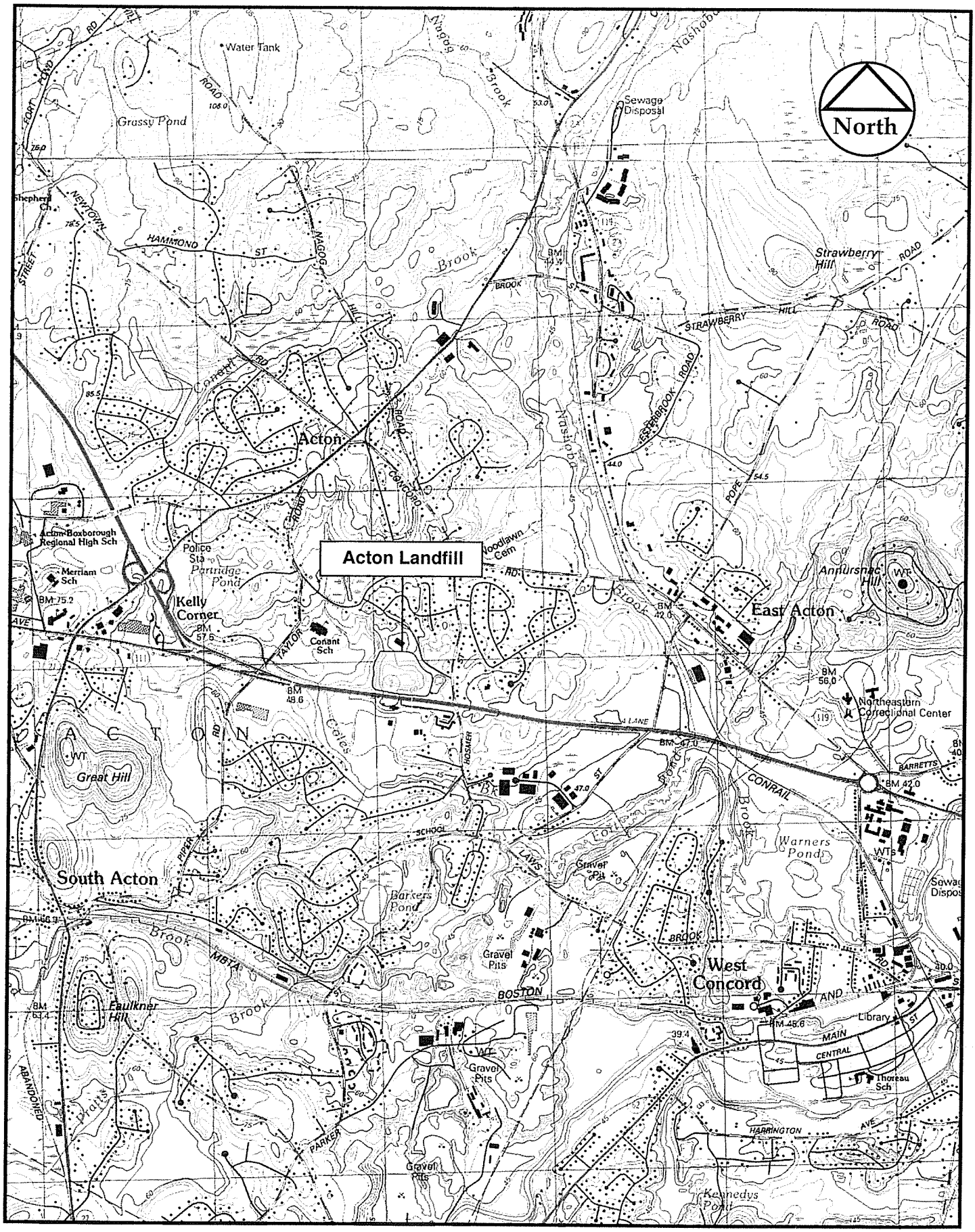
The former Acton Landfill is approximately 18.0 acres and is located on Town-owned land bordered to the north and east by Forest Road and to the south by State Highway Route 2 (see Figure 1). Abutting the site to the west is an undeveloped, Town-owned property containing a wetland resource area. A compacted gravel access roadway extends around the landfill perimeter, and the Town Department of Public Works (DPW) Operations Area and Transfer Station is located directly north of the landfill.

The Acton Landfill began landfill operations in 1927 when the Town purchased the land. Operations as a burn dump facility continued until 1970. In 1986 the Town began transferring trash via an on-site transfer station to the New England Solid Waste Consortium (NESWC). Town records indicate that in 1984 landfill closure preparations were conducted, and final landfill closure plans were submitted to the Department of Environmental Protection (DEP) in July of 1985. According to the DEP report titled "Inactive or Closed Solid Waste Landfills in Massachusetts – May 2005", the Acton Landfill was capped in accordance with DEP regulations in 1988 (see Appendix B).

Current monitoring activities at the site consist of annual groundwater and surface water sampling and analysis. The Town has submitted reports of the annual sampling events to DEP. Since 1985, the former Acton Landfill has been used as a recycling facilities location, a yard waste drop-off area, and a storage and stockpile location (Sheet L-1 shows the existing site conditions).

1.3 Proposed Site Usage

The Town is proposing to use the capped landfill area for recreational purposes with the installation of a baseball/softball diamond, soccer field, and/or a golf ball driving range. In addition, the Town proposes continued use of the remaining landfill area as a DPW stockpiling and storage area as well as a transfer station facility. Sheet L-2, in Appendix A, shows the proposed recreational field locations and Sheet L-3 shows improvements to the recycling area for handicap accessibility. Due to the proposed recreational post-closure use of the landfill site and relatively small effort required to achieve post-closure grades, this permit is being submitted under BWP SW 37 Post-Closure Use: Minor.



0 2000 4000

Scale in Feet

Town of Acton, Massachusetts
Post-Closure Use Plan

Figure 1
Project Location Map

1.4 Effect on Public/Environmental Health and Safety

Post-closure monitoring of groundwater and surface water at the Acton Landfill has been conducted by the Town since 1985. Analytical reports are submitted to DEP following each sampling event. Results for the past six (6) sampling events are attached in Appendix E. Existing groundwater monitoring well and surface water monitoring locations are shown in Appendix F. The Town is planning to continue its current groundwater and surface water sampling program as the post-closure monitoring program.

There is no landfill gas monitoring program in place at the Acton Landfill and no soil gas data has been collected to date. Because the landfill has been closed for 20 years, landfill gas production is in its later stages and emissions from the landfill are not expected to be an environmental or safety issue. At this time, implementation of a specific soil gas monitoring program during the post-closure use period is not planned.

The landfill is not located within a Zone II well recharge area nor is it located within a surface water protection zone. According to the Priority Habitats of Rare Species map and the Estimated Habitats of Rare Wildlife and Certified Vernal Pools map (see Appendix F), the closest rare species habitat (PH 467) is approximately half a mile away and will not be impacted by proposed post-closure site activities.

Section 2
Design Considerations

2.1 Site Conditions

2.1.1 Existing Conditions

The former Acton Landfill site is accessible to Town residents from State Highway Route 2 West. Only authorized DPW vehicles can access the landfill area from the DPW area. Presently, operations at the former landfill include: recycling, yard waste collection, and the stockpiling and storing of materials and recyclables. An existing guard shack serves as a check point location for residents wishing to use the recycling area and transfer station.

The existing recycling facility, operated by the Town of Acton Highway Department, is composed of a compactor facility with several roll off containers and areas for storing recyclable materials (see Sheet L-1). Recyclable items are compacted and directly hauled off-site for further processing or to a suitable end-user. In addition to recycling, residents are permitted to deposit their yard waste and debris in a designated area on the former landfill for temporary storage prior to being hauled to an off-site town-operated composting area. Photographs of the existing recycling area are included in Appendix G.

There are currently two soil/clay stockpiles located at the top of the former landfill (see Sheet L-1). This material will be used as shaping material to bring existing closure grades to the necessary post-closure grades. The area between the recycling area and the yard waste collection area is presently used by the Town to store materials and equipment.

2.1.2 Proposed Conditions

The Post-Closure Use Plan incorporates the continued use of the former landfill site as a recycling center, transfer station, yard wastes storage location, a stockpile area, and a storage area. In addition, the Town proposes to construct a golf ball driving range, a baseball/softball field, or a soccer field. Proposed locations of the multi-purpose recreational fields are shown on Sheet L-2.

2.1.2.1 Multi-Purpose Recreational Fields

Under the Post-Closure Use Plan, the top of the existing landfill will be graded as shown on Sheet L-2. Abutting the multi-purpose sports field is a proposed parking area for approximately 30 vehicles. To access the site, residential vehicles will enter exclusively from Route 2 westbound (see Sheet L-2).

Under the Post-Closure Use Plan, some grading of the existing landfill will be necessary. All required site grading is minor and will not affect the integrity or function of any closed portion of the landfill. Only filling of the existing landfill area is proposed. There are no proposed cuts or penetrations of any kind into the existing

cap. The on-site soil/clay stockpiles will be used as fill to raise the existing site to the proposed grades shown on Sheet L-2. The side slopes will be evaluated and roto-tilled, re-graded, and re-seeded where necessary. Fine grading will allow for the operation of a mechanical golf ball collection machine.

2.1.2.2 Recycling Facilities

Under this Post-Closure Use Plan, the Town is proposing to upgrade the existing recycling facility to allow for handicap access and to improve the efficiency of the recycling operation. The current operation requires residents to climb several steps to reach the recycling roll-off containers. Photos of the existing recycling area are included in Appendix G. Thirty-five (35) additional parking spots will be provided to better serve the public and provide handicap access. The proposed recycling facility consists of additional roll-off containers for various items including charitable donations, paper and cardboard recycling, scrap metal, co-mingled items and white goods.

2.1.2.3 Yard Waste Collection Area

Under proposed conditions, the existing yard waste collection area will remain as shown on Sheet L-2.

2.1.2.4 Storage and Stockpile Areas

The proposed storage and stockpile areas will be located in the same general areas as the existing operations.

2.1.2.5 Existing vs. Proposed Site Conditions

Relatively minor changes are required to implement the proposed plan. Improvements include regrading the soil/clay stockpile and fine grading certain areas of the side slopes. Some modifications to the site may include the construction of the parking area for the multi-purpose fields and the paving and upgrades of the recycling area to provide handicap access. Pavement details for the recycling area and parking lot construction are shown on Sheet L-4.

2.2 Stormwater Management and Erosion Control

2.2.1 Site Drainage

The proposed modifications will have a negligible effect on site drainage patterns. Currently, approximately 25 percent of stormwater sheet flows to swales located on the access road and flow to catch basins that lead to the stormwater detention basin on the northern side of the landfill. The remaining stormwater sheet flows directly off the landfill sideslopes into the adjacent cross-country areas or wetlands. The proposed plan will not cause significant changes in stormwater flow volumes or concentration times.

2.2.2 Erosion Control Plan

Under proposed conditions, all existing erosion controls will remain in place and some additional controls will be implemented. The existing erosion controls to remain are a piped drainage system with corresponding catch basins, a detention basin area, and headwall. Proposed erosion controls and protective measures during construction consist of the following Best Management Practices such as:

1. Install erosion control matting on all disturbed sideslopes greater than or equal to 4:1
2. Install temporary check dams along disturbed areas, as needed
3. Maintain the grass height at a 3-in level
4. Daily inspections of the erosion controls
5. Place hay bales and silt fences along areas exhibited to have frequent soil erosion
6. Obtain NPDES Permit

Where select fine grading and re-seeding of the side slopes is necessary, the following seed mix will be applied:

Tribute Tall Fescue	40%
Perennial Ryegrass	15%
Jamestown Chewings Fescue	10%
Reliant Hard Fescue	10%
Birds Foot Trefoil	10%
Switchgrass	5%
White Clover	5%
Redtop	5%

An athletic field seed mix will be applied to the multi-purpose fields.

All areas being graded and left bare for more than 7 days must have protective measures performed on the area. Protective measures could consist of tracking, hydroseeding, installation of erosion control matting, or straw mulching. Existing and proposed drainage facilities and erosion controls will continue to be rigorously maintained.

Section 3
Permanent Structures Considerations

3.1 Permanent Structures

The Acton Post-Closure Use Plan does not propose to construct any permanent (non-movable) or invasive (causing a degradation to the integrity or function of any closed portion of the landfill) structures. Proposed activities at the landfill do not require any penetration of the landfill surface for utility connections.

Section 4
Permit Review Documentation and Criteria

4.1 Documentation

4.1.1 Order of Conditions

If required and prior to implementing the Post-Closure Use Plan, an Order of Conditions will be obtained from the Town of Acton Conservation Commission. As shown all proposed work is located outside the 100-foot buffer to Bordering Vegetative Wetland (BVW) areas.

4.1.2 Financial Assurance Estimate and Mechanism (FAM)

According to the Massachusetts Solid Waste Management Regulations (310 CMR 19.051 (4)(5)) a public owner of an existing landfill shall make the submissions described in 310 CMR 19.051(4)(a) upon written notice or order from the Department. Because the Town must appropriate funds each year for the operation and maintenance of the former landfill, the Town requests a waiver to the requirement of establishing a FAM.

4.2 Permit Criteria

4.2.1 MEPA Compliance

The Post-Closure Use Plan does not meet or exceed Massachusetts Environmental Policy Act (MEPA) review thresholds as defined in 301 CMR 11.03. Filing an Environmental Notification Form (ENF) will not be necessary. In addition, an Environmental Impact Report (EIR) was not required by MEPA for previous transfer station upgrades at the site. DEP correspondence confirming the approval of the aforementioned transfer station upgrades is provided in Appendix C.

4.2.2 Site Assignment

The site has a valid site assignment that was granted on September 21, 1982 by the Acton Board of Health. See Appendix D for a copy of this site assignment.

4.2.3 Health and Environmental Impact Assessment

Based on the age of the landfill, 20-years of post-closure monitoring results, and that the landfill is not located within a Zone II well recharge area or within a surface water protection zone, it is unlikely that the post-closure use of the former Acton Landfill will have any additional impacts to human health, safety, and/or the environment.

4.2.4 Enforcement Status

To date, no violations of applicable statutes and regulations, judicial orders or administrative order or conditions of any prior plan approval/permit issued by the Department are known to exist.

4.2.5 Structural Support

The Post-Closure Use Plan does not propose to construct any structures that will require a support foundation. No impacts or penetrations of the existing cap are proposed.

Acton Landfill Post-Closure Use Design Plans

DEP Approved Closure Recognition

COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF ENVIRONMENTAL AFFAIRS
DEPARTMENT OF ENVIRONMENTAL PROTECTION
ONE WINTER STREET, BOSTON, MA 02108 617-292-5500

MITT ROMNEY
Governor

KERRY HEALEY
Lieutenant Governor

ELLEN ROY HERZFELDER
Secretary

ROBERT W. GOLLEDGE, Jr.
Commissioner

Inactive or Closed Solid Waste Landfills in Massachusetts

May 2005

Including Municipal Solid Waste (MSW) Landfills
Demolition Landfills
Ash Landfills
Stump Landfills
Sludge Landfills

DEP Bureau of Waste Prevention updates this information annually. For copies of this list visit DEP's website, www.mass.gov/dep, then look under Publications, Program Publications, Waste Prevention, Solid Waste/Landfills, Solid Waste Facilities.

This information is available in alternate format. Call Donald M. Gomes, ADA Coordinator at 617-556-1057. TDD Service - 1-800-298-2207.

DEP on the World Wide Web: http://www.mass.gov/dep

Printed on Recycled Paper

Column Heading Definitions

Acres DEP/BOH	Number of DEP approved acres for solid waste fill for the most recent cell or the entire landfill (Acres DEP), and the acreage site assigned by the municipality's Board of Health (Acres BOH). Particularly for Inactive or Closed landfills, the acres may refer to the landfill footprint.
Cap Info	Status of landfill cap; Capped, Partially Capped, Not Capped, Unknown Cap or Excavated. When available, 'Capped' or 'Excavated' is followed by the year capping or excavation was completed. Also when available, the list shows the date that DEP Certified the completion of the cap or excavation.
Close Year	Year the landfill ceased disposing of solid waste.
DEP Region	DEP's Regional Offices: Central (Worcester), Northeast (Wilmington), Southeast (Lakeville), Western (Springfield).
ID	Unique identification number for each solid waste facility.
Landfill Type	Type of solid waste landfill; MSW (Municipal Solid Waste), Ash, Demolition, Stump, or Sludge.
Liner Info	Landfills listed as "Unlined" have no barrier between the solid waste fill and the underlying soil. A "Lined" landfill indicates that all or some portion of the landfill is lined, while 'Unlined' means that no part of the landfill is lined.
Municipality	City or Town that the landfill is located in.
Open Year	Year the facility began operations.
Operator Info	Site operator name, address, contact person, and phone number.
Operator Type	Type of operator, Federal, State, Municipal or Private.
Owner Info	Site owner name, address, contact person, and phone number.
Owner Type	Type of owner, Federal, State, Municipal or Private.
Site Info	Site Name, address, contact person, and phone number.
Status	Identifies if the Landfill is Active, Inactive, Closed, or Proposed. All the landfills on this list are either Inactive or Closed. Inactive - Not operating, not completely capped; Or Closed – All waste has been removed under a DEP approved plan or the waste has been capped according to DEP regulations at the time operations ceased.
Tons-Per-Day	Tons-Per-Day (TPD) of solid waste for disposal based on the landfill's last operating permit or last reported operating rate when available.

Comments or Questions

Please direct questions or comments regarding this list to Brian Holdridge, (617) 292-5578, DEP Bureau of Waste Prevention, Division of Planning and Evaluation.

Inactive or Closed Solid Waste Landfills

May 2005

Massachusetts Department of Environmental Protection, Division of Planning and Evaluation

Municipality / ID / DEP Region / Status / Open / Close Years	*SITE NAME* / Address / Contact / Phone / Tons-Per-Day	Landfill Type / Liner Info / Acres: DEP / BOH / Cap Info	Owner Type / Owner Name / Address / Contact / Phone	Operator Type / Operator Name / Address / Contact / Phone
	SITE INFO		OWNER INFO	OPERATOR INFO
ABINGTON SL0001.003 Southeast Closed 1940 1975	***ABINGTON LANDFILL*** GROVELAND ST ABINGTON, MA 02351 Unknown TPD	MSW Landfill Not Lined 13 / 13 Acres Capped 1984	Municipal TOWN OF ABINGTON 33 RANDOLPH STREET ABINGTON, MA 02351 WILLIAM O'REILLY, HEALTH AGENT (781)982-2119	Municipal TOWN OF ABINGTON BOARD OF HEALTH ABINGTON, MA 02351 WILLIAM O'REILLY, HEALTH AGENT (781)982-2119
ACTON SL0002.003 Central Closed unknown 1988	***ACTON LANDFILL*** 14 FOREST RD/RTE 2 ACTON, MA 01720 40 TPD	MSW Landfill Not Lined 18 / 18 Acres Capped	Municipal TOWN OF ACTON 472 MAIN ST ACTON. MA 01720 (978)264-9615	Municipal TOWN OF ACTON 472 MAIN ST ACTON. MA 01720 (978)264-9615
ACUSHNET SL0003.005 Southeast Inactive unknown unknown	***ACUSHNET DUMP*** BEECH ST ACUSHNET, MA 02743 Unknown TPD	MSW Landfill Not Lined Acreage Unknown Not Capped	Municipal TOWN OF ACUSHNET 122 MAIN ST ACUSHENT, MA 02743 (508)998-0200	Municipal TOWN OF ACUSHNET 122 MAIN ST ACUSHENT, MA 02743 (508)998-0200
ACUSHNET SL0003.001 Southeast Closed 1963 1987	***B AND F LANDFILL*** 561 N MAIN ST ACUSHNET, MA 02743 290 TPD	MSW Landfill Not Lined 24 / 23 Acres Capped 1991	Private B AND F LANDFILL INC PO BOX 656 ATTLEBOROUGH, MA 02403	Private B AND F LANDFILL INC PO BOX 656 ATTLEBOROUGH, MA 02403 CHARLES GEILICH, MGR
ACUSHNET DL0003.002 Southeast Closed unknown 1975	***LEONARD STREET LOT 30B DUMP*** 209 LEONARD ST ACUSHNET, MA 02743 Unknown TPD	Demolition Landfill Not Lined Acreage Unknown Capped	Private DOMINGOS BATISTA 209 LEONARD ST ACUSHNET, MA 02743 DOMINGOS BATISTA	Private DOMINGOS BATISTA 209 LEONARD ST ACUSHNET, MA 02743 DOMINGOS BATISTA
ADAMS SL0004.001 Western Closed 1966 1994	***ADAMS LANDFILL*** EAST RD ADAMS. MA 01220 JAMES LEITCH, TWN ADMIN (413)743-8300 40 TPD	MSW Landfill Not Lined 9 / 9 Acres Capped 1995 Close Cert: 12/4/1996	Municipal TOWN OF ADAMS 65 PARK STREET ADAMS, MA 01220 JAMES LEITCH. TWN ADMIN. (413)743-8300	Municipal ADAMS DPW 65 PARK ST ADAMS, MA 01220 FRANCIS WOJTASZEK. DPW DIR. (413)743-8325

DEP Transfer Station Correspondence

COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF ENVIRONMENTAL AFFAIRS
DEPARTMENT OF ENVIRONMENTAL PROTECTION
Central Regional Office, 627 Main Street, Worcester, MA 01608

:GEO PAUL CELLUCCI
vernor

: SWIFT
:utenant Governor

BOB DURAND
Secretary

LAUREN A. LISS
Commissioner

APR 1 0 2000

March 30, 2000

CERTIFIED MAIL

Don P. Johnson
Town Manager
472 Main Street
Acton, Massachusetts 01720

RE: CERO – SWM – Acton, Transfer Station, Route 2 West, Waste Ban Compliance Plan Approval, BWP SW 07, Transmittal # 51004484

Dear Mr. Johnson:

The Central Regional Office of the Department of Environmental Protection, Solid Waste Management Program (the "Department" or "DEP") has reviewed your application for a modification of the Permit for the above mentioned facility. The application was prepared by David Brown. By this application, the Applicant/Permittee has submitted a Waste Ban Compliance Plan for the facility

The Department has reviewed your proposed Waste Ban Compliance Plan and hereby approves it subject to the following conditions:

1. All terms and conditions of the existing permits shall remain in full force and effect except as may be modified by this approval.
2. All activities at the facility conducted to comply with the waste ban requirements at 310 CMR 19.017 shall be in strict accordance with the waste ban compliance plan as submitted in your application and this approval.
3. Prior written approval from the Department is required before any changes or modifications can be made to the facility's waste ban compliance plan requirements.
4. This approval is subject to any restrictions contained in the facility's site assignment or any restrictions contained in applicable state and federal laws and regulations.
5. An annual summary of waste ban compliance activities at the facilities shall be reported in the appropriate section of the facility's "Annual Solid Waste Facility Report" submitted to the Department by February 15th of each calendar year.
6. The Department reserves the right to modify the facility's waste ban compliance plan based upon a determination that restricted materials are being disposed of, incinerated or transferred for disposal in excess of approved amounts.

7. Failure to comply with the waste ban requirements at 310 CMR 19.017 may result in enforcement action, potentially including a notice of non-compliance or enforcement order and/or penalty.
8. In the event the Applicant/Permittee, or its agents or contractors, observe, otherwise learn of, or otherwise suspect, that one or more haulers are restricting their arrival at the facility for the purpose of avoiding inspection, the Operator shall cause additional inspections to be conducted, targeted to these haulers.
9. The Operator, in spreading the load pursuant to Part D, Section 3, Inspection Procedure, of the Waste Ban Compliance Plan, shall cause a representative number of bags and/or other containers within the load to be opened and their contents revealed.
10. The Department reserves the right to require additional inspections, conducted under the presence and observation of a representative of the Department, without advance notice, at the Department's discretion.

RIGHT OF APPEAL

The Applicant/Permittee is hereby notified that it may within twenty-one (21) days file a request that this decision be deemed a provisional decision under 310 CMR 19.037(4)(b), by submitting a written statement of the basis on which the Applicant/Permittee believes it is aggrieved, together with any supporting materials. Upon timely filing of such a request, the decision shall be deemed a provisional decision with an effective date twenty-one (21) days after the Department's receipt of the request. Such a request shall reopen the administrative record, and the Department may rescind, supplement, modify, or reaffirm its decision. Failure by Applicant/Permittee to exercise the right provided in this section shall constitute a waiver of Applicant/Permittee's right to appeal.

Right to Appeal – This approval has been issued pursuant to Massachusetts General Laws (MGL) Chapter 111, Section 150A, and 310 CMR 19.037: Procedure for Existing Facility Permits, Permit Modifications, Permit Renewals and other Approvals, of the "Solid Waste Management Facility Regulations". Pursuant to 310 CMR 19.037(5), any person aggrieved by the issuance of this determination may file an appeal for judicial review of said decision in accordance with the provisions of M.G.L. Chapter 111 Section 150A and MGL Chapter 30A not later than thirty days following receipt.

Notice of Appeal – Any aggrieved person intending to appeal the decision to the superior court shall provide notice to the Department of intention to commence such action. Said notice of intention shall include the Department File Number/Transmittal Number of this application listed above, and shall identify with particularity the issues and reason(s) why it believed the approval decision was not proper. Such notice shall be provided to the Office of General Counsel of the Department and the Regional Director for the regional office that made the decision. The appropriate addresses to send such notices are:

Office of General Counsel
Department of Environmental Protection
One Winter Street
Boston, Massachusetts 02108

Regional Director
Department of Environmental Protection
Central Regional Office
627 Main Street
Worcester, MA 01608

No allegation shall be made in any judicial appeal of this decision unless the matter complained of was raised at the appropriate point in the administrative review procedures established in those regulations, provided that matter may be raised upon showing that it is material and that it was not reasonably possible with due diligence to have been raised during such procedures, or that matter sought to be raised is of critical importance to the public health or environmental impact of the permitted activity.

Thank you, and if you have any questions or comments regarding this matter, please feel free to contact Mr. John McMichael of the Solid Waste Management Program at (508) 792-7653 X 3833.

Very truly yours,

Purnachander B. Rao
Section Chief
Solid Waste Management Program

cc: Acton Board of Health
Joanne Bissetta, BWP, DEP – Boston

W:\Swm\WasteBan2000\Acton T.S.-WBModSW07Pmt

COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF ENVIRONMENTAL AFFAIRS
DEPARTMENT OF ENVIRONMENTAL PROTECTION
Central Regional Office, 627 Main Street, Worcester, MA 01608

RGEO PAUL CELLUCCI
overnor

E SWIFT
eutenant Governor

BOB DURAND
Secretary

EDWARD P. KUNCE
Acting Commissioner

RECEIVED
MAY 12 1999
ACTON BOARD OF HEALTH

May 11, 1999

CERTIFIED F.Y.I
John Murray
Dave Brown

Doug Halley
Acton Board of Health
472 Main Street
Acton, MA 01720

RE: CERO-MAPS-Acton Transfer Station, Permit to Modify a Large Handling Facility, BWP SW 07, Transmittal # 201131.

Dear Mr. Halley:

Enclosed is a signed copy of the Final Permit for the application referenced above. The comment period for the Provisional Permit issued on April 8, 1999, has ended and no comments have been received by the department.

If you have any questions or comments regarding the Final Permit, please write to the letterhead address or call Mr. Mike Penny of Municipal Assistance and Program Support at (508) 792-7653 ext. 3835.

Very truly yours,

Paul R. Anderson

Paul R. Anderson
Program Chief, Municipal
Assistance and Program Support

cc: James Doucett, DSWM, DEP-Boston
Purna Rao, DSWM, DEP-CERO
Dana Samuelson, DEP-CERO, Permit Administrator

PRA\MTP\CAP
W:\SWM\ACTON07TC

COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF ENVIRONMENTAL AFFAIRS
DEPARTMENT OF ENVIRONMENTAL PROTECTION
Central Regional Office, 627 Main Street, Worcester, MA 01608

EO PAUL CELLUCCI
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E SWIFT
tenant Governor

BOB DURAND
Secretary

EDWARD P. KUNCE
Acting Commissioner

ACTON TRANSFER STATION FACILITY
MODIFICATION OF LARGE HANDLING FACILITY (BWP SW 07)

Provisional Permit: April 8, 1999
Final permit: May 11, 1999

Name of Permittee:	Acton Board of Health 472 Main Street Acton, MA 01720
Name of Facility:	Acton Transfer Station
Facility Address:	14 Forest Road Acton, MA 01720
DEP Region:	Department of Environmental Protection (Department or DEP) Central Regional Office (CERO), Worcester Municipal Assistance & Program Support
Transmittal No:	201131

I. FACILITY DESCRIPTION AND OUTSTANDING APPROVAL STATUS

A. FACILITY

1. Owner: Town of Acton
   472 Main Street
   Acton, MA 01720

2. Operator: Acton Highway Department

3. Description of Waste:

   (a) Type(s) Accepted: Municipal/Commercial solid waste and recyclable materials.

   (b) Methods of Management: Consolidation for transfer and recycling.

(c) Approved Amount of Waste Acceptance: The tonnage of non-recyclable municipal/commercial solid waste accepted shall not exceed 27,000 tons per year or approximately 105 tons per day, based on an average 5 day per week operation (daily maximum tonnage not to exceed 130 tons per day).

B. Reviews and Approvals Affecting Current or Planned Operation

1. MEPA: Not required as per December 16, 1998 letter from Executive Office of Environmental Affairs.

2. Site Assignment: Acton Board of Health, September 21, 1982.

3. Authorization to Operate: This facility was issued an approval from the DEP in 1984.

4. Title/Description(s) of Current Approval/Permit:

   Existing Facility Permit BWP SW 16
   Transmittal # 119242
   Issued by DEP-CERO: February 26, 1997

Permit Application Information for BWP SW 07
Modification of Large Handling Facility

1. Applicant Name: Town of Acton

2. Transmittal Number: 201131

3. Start Date of Application: 28-DEC-98

4. Date of Fee Receipt: 24-DEC-98

5. Consulting Registered Engineer: Not applicable

6. Title of Plans and reports and Date of Receipt at DEP-CERO:

   Acton Transfer Station
   Modification of a Large Handling Facility (BWP SW 07)
   Dated: September 3, 1998
   Received by DEP-CERO: December 24, 1998

7. Project Description:

   The Town of Acton currently owns and operates a solid waste transfer station at 14 Forest Road in Acton, MA. The facility is currently operating under Existing Facility Permit BWP SW 16, Transmittal # 119242 issued by the DEP on February 26, 1997. The current permit sets the transfer station's capacity at 18,000 tons of solid waste per year. The Town of Acton is seeking to increase the transfer stations capacity to 27,000 tons per year or approximately 105 tons per day.

II. PERMIT APPLICATION REVIEW AND APPROVAL

This application complies with the application requirements at 310 CMR 19.030, Application for a Solid Waste Management Facility Permit, and 19.039 Applicant's Request to Modify a Permit, and was reviewed in accordance with 310 CMR 19.037, Review Procedure for Existing Facility Permits, Permit Modifications.... The plans and reports described above establish that the facility complies with the applicable criteria at 310 CMR 19.038(2).

This document is a Permit issued pursuant to Massachusetts General Laws (M.G.L.), Chapter 111, Section 150A, and 310 CMR 19.000, the **"Solid Waste Management Facility Regulations"** (Facility Regulations), subject to the conditions set forth below. In the event this permit conflicts with all or parts of prior plan approvals or permits issued pursuant to Chapter 111, Section 150A or solid waste regulations in effect prior to July 1, 1990, the terms and conditions of this permit shall supersede the conflicting provisions of the prior permits and/or approvals. This permit does not convey property rights of any sort or any exclusive privilege.

III. GENERAL PERMIT CONDITIONS

1. **Amount of Waste** – The maximum permitted tonnage of solid waste processed at this facility shall not exceed 27,000 tons per year or 105 tons per day, based on an average 5 day per week operation (daily maximum tonage not to exceed 130 tons per day).

2. **Compliance with Plans** – The operation and maintenance of the facility shall be carried out in accordance with the requirements in 310 CMR 19.000. The permitee shall conduct operations in accordance with approved plans, reports, and other submissions. No material changes in the design or activities described in the approved documents shall be performed without prior written Department approval.

3. **Compliance with other Approvals** – The operation, maintenance and closure of this facility shall be performed in compliance with other applicable local, state and federal laws and regulations.

4. **Standard Conditions** – The Permittee shall operate the facility in accordance with the conditions at 310 CMR 19.007 – 19.011 and 19.043(5).

5. **Joint Liability** – This permit is issued subject to the conditions of joint liability of the permittee and owner in accordance with 310 CMR 19.043(3).

6. **Transfer** – No transfer of this permit shall be permitted except in accordance with 310 CMR 19.044.

7. **Permit Modification** – The Department reserves the right to resind, suspend or modify this permit by the imposition of additional conditions based upon a determination of actual, or the threat of, adverse impacts from the construction, operation, maintenance or closure of the facility.

IV. SPECIFIC PERMIT CONDITIONS

1. **Special Wastes** - The Acton Transfer/Recycling Facility shall not accept any special wastes except as provided by a Permit/Approval to Manage a Special Waste issued pursuant to 310 CMR 19.061. All Special Wastes handled by the Facility shall be handled in accordance with the requirements of 310 CMR 19.061. At the present time, the Acton Transfer/Recycling Facility has not applied for a permit to handle special wastes.

2. **Inspections** - The Facility shall be inspected by or under the overall supervision of a registered professional engineer, experienced in solid waste management, on a quarterly (every three months) frequency. These inspections shall be carried out to demonstrate that the Acton Transfer/Recycling Facility's operations are in compliance with 310 CMR 19.000, the Facility Regulations. Copies of the inspection reports shall be submitted to the DEP-CERO and Local Board of Health.

3. **Annual Report** – The Permittee shall submit to the DEP-CERO, not later than February 15th of each calendar year, an annual report summarizing the Facility's operations for the previous calendar year. The annual report shall include, but not be limited to:

   (a) A summary of the year's receipt of wastes, including the date and the daily tonnage for each operational day, total and average tons per week (based on operational days), total and average tons per month (based on operational days), and the total tons per year and the number of operational days in that year.

   (b) A summary of any operational problems or deficiencies encountered, including recommendations for changes or modifications to address them.

4. **Notification** - The DEP shall be notified within twenty-four (24) hours of any incidents or disruptions which occur at the Facility that could affect the public health, safety, environment, or construction and operation of the facility. Nothing in this section shall limit or restrict the DEP from exercising its authority in accordance with the provisions of M.G.L., Chapter 21E, and 310 CMR 40.000, or other applicable laws and/or regulations.

V. RIGHT OF APPEAL

1. **Right to Appeal** – Pursuant to 310 CMR 19.037(5), any person aggrieved by the issuance of this permit or authorization to operate may file an appeal for judicial review of said decision in accordance with the provisions of M.G.L., Chapter 111, Section 150A, and Chapter 30A not later than thirty [30] days following notice of the decision.

2. **Notice of Appeal** – Any aggrieved person intending to appeal the decision to the superior court shall provide notice to the Department of intention to commence such action. Said notice of intention shall include the Department Permit/File Number and shall identify with particularity the issues and reason(s) why it is believed the approval decision was not proper. Such notice shall be provided to the Office of General Counsel of the Department and the Regional Director for the regional office which made the decision. The appropriate addresses to send such notices are:

   Office of General Counsel
   Department of Environmental Protection
   One Winter Street-Third floor
   Boston, MA 02108

   Regional Director
   Department of Environmental Protection
   Central Regional Office
   627 Main Street
   Worcester, MA 01608

No allegation shall be made in any judicial appeal of this decision unless the matter complained of was raised at the appropriate point in the administrative review procedures established in those regulations provided that matter may be raised upon a showing that it is material and that it was not reasonably possible with due diligence to have been raised during such procedures, or that the matter sought to be raised is of critical importance to the public health or environmental impact of the permitted activity.

Paul R. Anderson
Program Chief, Municipal
Assistance and Program Support

MTP/CAP/PBR
W:/SWM/ACTON TRANSFER STATION FACILITY

CC: James Doucett, DEP, DSWM-Boston
Acton Board of Selectmen
Acton Department of Public Works

Site Assignment

B

TOWN OF ACTON

INTERDEPARTMENTAL COMMUNICATION

September 22, 1982

TO: Board of Selectmen

FROM: Board of Health

SUBJECT: Site Assignment of land for Solid Waste Transfer Station, Acton, MA.

The Acton Board of Health, at its regularly scheduled meeting of September 21, 1982, voted to assign the land shown as Parcels 140 and 76 on Plate G4 of the tax maps of the Town of Acton as a site for the construction and operation of a municipal solid waste transfer station.

?

The assignment is subject to the following conditions:

1. An engineering evaluation be undertaken of the Site Plan layout on the assigned site. The Board of Health is to participate in preparation of the Scope of Services for the consultant which scope is expected to include evaluation of environmental impacts including noise, odor, traffic, vector control, air quality and similar concerns.

2. The design of the facility will be based in part upon the findings of the study above including specifically:

   a. the site design and landscaping is to achieve a reduced noise level emanating from the assigned site consistent with acceptable noise levels for residential areas. The noise level standards are to be approved by the Board of Health on advice of a consulting engineer.

   b. the site layout is to minimize traffic noise where possible through optimum layouts and designs for access to Route 2.

3. An operating procedure will be recommended by the consultant which sets refuse handling procedures and holding time limits to ensure minimum odor from the facility.

The continuance of this assignment is contingent upon the Board of Health's approval of the final site layout, the facility design and the facility operating procedure.

Steven Calichman

By Steven Calichman for:
The Acton Board of Health

ABOH/mw
1892A

cc: Town Manager
Acton Engineering Dept.

Groundwater/Surface Water Monitoring Data (2000-2004)

(2000)

TOWN OF ACTON
472 Main Street
Acton, Massachusetts, 01720
Telephone (978) 264-9628
Fax (978) 264-9630

Engineering Department

May 19, 2000

Ms. Cheryl Poirier
Massachusetts Department of Environmental Protection
75 Grove Street
Worcester, Massachusetts 01605

Dear Ms. Poirier:

Please find attached the groundwater analyses of wells at the former Acton Landfill. The Acton Engineering Department collected the groundwater samples on April 10 and 13, 2000. Revet Environmental & Analytical Laboratories performed the lab work between April 18 and May 1, 2000.

If you should require any additional information or have any questions, please contact me at (978) 264-9628.

Very Truly Yours,

Corey S. York
Engineering Assistant

csy

Revet Environmental & Analytical Laboratories, Inc.
181 Cedar Hill Street Marlborough,
MA 01752-3000
Phone: (508) 460-7600
FAX: (508) 460-7777
Massachusetts Certification M-MA082

Client Name: *Acton Engineering*
Revet Account: *N2809*
Login Date: *4/14/00*

Contact: *Corey York*
PO/Project: *139266 Forest Rd LF*
Matrix: *Water* Sampler: CY

Certificate of Analysis

Compound	Method	Date Run	Detection Limit	Revet ID - 5755		
Iron	200.7	4/25/2000	0.01 mg/L	401 mg/L	-	-
Lead	200.7	4/25/2000	0.05 mg/L	0.224 mg/L	-	-
Manganese	200.7	4/25/2000	0.001 mg/L	2.48 mg/L	-	-
Sodium	200.7	4/25/2000	0.39 mg/L	111 mg/L	-	-
Sulfate#	300.0	4/18/2000	0.1 mg/L	21.5 mg/L	-	-
Alkalinity	2320B	4/18/2000	10 mg/L CaCO3	115.6 mg/L CaCO3	-	-
Ammonia-N	350.3	4/20/2000	0.05 mg/L	10.56 mg/L	-	-
Chloride	ASTM D512	4/20/2000	10 mg/L	180 mg/L	-	-
Nitrate-N	4500-NO3-D	4/18/2000	0.1 mg/L	2.55 mg/L	-	-
TDS	2540C	4/18/2000	10 mg/L	453 mg/L	-	-
			Client ID	L2		
			Date Sampled	4/13/2000		

BDL=Below Detection Limit. Sample detection limits are always equal to the detection limit multiplied by the dilution factor.

QC Office: [signature] Date: 05/05/00

Comments: #Analyzed by MA certified lab MA048.
200.7 extracted on 4/20/2000

Revet Environmental & Analytical Laboratories, Inc.
181 Cedar Hill Street Marlborough,
MA 01752-3000
Phone: (508) 460-7600
FAX: (508) 460-7777
Massachusetts Certification M-MA082

Client Name: *Acton Engineering*
Revet Account: *N2809*
Revet ID: *5756*
Login Date: *4/14/00*
Matrix: *Water*

Contact: *Corey York*
PO/Project: *139266 Forest Rd LF*
Client ID: *L11*
Date Sampled: *4/13/00*
Sampler: CY

Certificate of Analysis

CAS #	Compound	Dilution Factor	Result	Units	Detection Limit	Method	Date Run
7440-38-2	Arsenic	1	0.061	mg/L	0.02	200.7	4/25/00
7440-39-3	Barium	1	0.040	mg/L	0.001	200.7	4/25/00
7440-43-9	Cadmium	1	0.003	mg/L	0.001	200.7	4/25/00
7440-47-3	Chromium	1	0.015	mg/L	0.01	200.7	4/25/00
7439-89-6	Iron	1	47.4	mg/L	0.01	200.7	4/25/00
7439-92-1	Lead	1	BDL	mg/L	0.05	200.7	4/25/00
7439-95-4	Manganese	1	1.05	mg/L	0.001	200.7	4/25/00
7439-97-6	Mercury	1	BDL	mg/L	0.0002	245.1	4/28/00
7782-49-2	Selenium	1	BDL	mg/L	0.01	200.7	4/25/00
7440-22-4	Silver	1	BDL	mg/L	0.004	200.7	4/25/00
7440-23-5	Sodium	1	60.1	mg/L	0.39	200.7	4/25/00
-	Alkalinity	1	40.66	mg/L CaCO3	10	2320B	4/14/00
-	Ammonia-N	1	0.68	mg/L	0.05	350.3	4/20/00
-	Chloride	1	100	mg/L	10	ASTM D512	4/20/00
-	Nitrate-N	1	0.37	mg/L	0.1	4500-NO3-D	4/14/00
-	TDS	1	284	mg/L	10	2540C	4/14/00
-	Sulfate#	1	10.7	mg/L	0.1	300.0	4/18/00
71-43-2	Benzene	1	BDL	ug/L	0.4	524.2	4/26/00
56-23-5	Carbon Tetrachloride	1	BDL	ug/L	0.4	524.2	4/26/00
75-35-4	1,1-Dichloroethylene	1	BDL	ug/L	0.4	524.2	4/26/00
107-06-2	1,2-Dichloroethane	1	BDL	ug/L	0.4	524.2	4/26/00
106-46-7	para-Dichlorobenzene	1	BDL	ug/L	0.4	524.2	4/26/00
79-01-6	Trichloroethylene	1	BDL	ug/L	0.4	524.2	4/26/00
71-55-6	1,1,1-Trichloroethane	1	BDL	ug/L	0.4	524.2	4/26/00
75-01-4	Vinyl Chloride	1	BDL	ug/L	0.4	524.2	4/26/00
108-90-7	Monochlorobenzene	1	BDL	ug/L	0.4	524.2	4/26/00
95-50-1	o-Dichlorobenzene	1	BDL	ug/L	0.4	524.2	4/26/00
156-60-5	trans-1,2-Dichloroethylene	1	BDL	ug/L	0.4	524.2	4/26/00
159-59-4	cis-1,2-Dichloroethylene	1	BDL	ug/L	0.4	524.2	4/26/00
78-87-5	1,2-Dichloropropane	1	BDL	ug/L	0.4	524.2	4/26/00
100-41-4	Ethylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
100-42-5	Styrene	1	BDL	ug/L	0.4	524.2	4/26/00
127-18-4	Tetrachloroethylene	1	BDL	ug/L	0.4	524.2	4/26/00
108-88-3	Toluene	1	BDL	ug/L	0.4	524.2	4/26/00
95-47-6	Xylenes (total)	1	BDL	ug/L	0.4	524.2	4/26/00
75-09-2	Dichloromethane	1	BDL	ug/L	0.4	524.2	4/26/00
120-82-1	1,2,4-Trichlorobenzene	1	BDL	ug/L	0.4	524.2	4/26/00
79-00-5	1,1,2-Trichloroethane	1	BDL	ug/L	0.4	524.2	4/26/00
67-66-3	Chloroform	1	BDL	ug/L	0.4	524.2	4/26/00
75-27-4	Bromodichloromethane	1	BDL	ug/L	0.4	524.2	4/26/00

QC Office: _____ Date: 05/05/00

Revet Environmental & Analytical Laboratories, Inc.

RevetID: 5756
Client ID: L11

CAS #	Compound	Dilution Factor	Result	Units	Detection Limit	Method	Date Run
124-48-1	Chlorodibromomethane	1	BDL	ug/L	0.4	524.2	4/26/00
75-25-2	Bromoform	1	BDL	ug/L	0.4	524.2	4/26/00
541-73-1	m-Dichlorobenzene	1	BDL	ug/L	0.4	524.2	4/26/00
74-95-3	Dibromomethane	1	BDL	ug/L	0.4	524.2	4/26/00
563-58-6	1,1-Dichloropropene	1	BDL	ug/L	0.4	524.2	4/26/00
75-34-3	1,1-Dichloroethane	1	BDL	ug/L	0.4	524.2	4/26/00
79-34-5	1,1,2,2-Tetrachloroethane	1	BDL	ug/L	0.4	524.2	4/26/00
142-28-9	1,3-Dichloropropane	1	BDL	ug/L	0.4	524.2	4/26/00
74-87-3	Chloromethane	1	BDL	ug/L	0.4	524.2	4/26/00
74-83-9	Bromomethane	1	BDL	ug/L	0.4	524.2	4/26/00
96-18-4	1,2,3-Trichloropropane	1	BDL	ug/L	0.4	524.2	4/26/00
630-20-6	1,1,1,2-Tetrachloroethane	1	BDL	ug/L	0.4	524.2	4/26/00
75-00-3	Chloroethane	1	BDL	ug/L	0.4	524.2	4/26/00
590-20-7	2,2-Dichloropropane	1	BDL	ug/L	0.4	524.2	4/26/00
95-49-8	o-Chlorotoluene	1	BDL	ug/L	0.4	524.2	4/26/00
106-43-4	p-Chlorotoluene	1	BDL	ug/L	0.4	524.2	4/26/00
108-86-1	Bromobenzene	1	BDL	ug/L	0.4	524.2	4/26/00
542-75-6	1,3-Dichloropropene	1	BDL	ug/L	0.4	524.2	4/26/00
95-63-6	1,2,4-Trimethylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
87-61-6	1,2,3-Trichlorobenzene	1	BDL	ug/L	0.4	524.2	4/26/00
103-65-1	n-Propylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
104-51-8	n-Butylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
91-20-3	Naphthalene	1	BDL	ug/L	0.4	524.2	4/26/00
87-63-3	Hexachlorobutadiene	1	BDL	ug/L	0.4	524.2	4/26/00
108-67-8	1,3,5-Trimethylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
99-87-6	p-Isopropyltoluene	1	BDL	ug/L	0.4	524.2	4/26/00
98-82-8	Isopropylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
98-06-6	Tert-butylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
135-98-8	Sec-butylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
75-69-4	Fluorotrichloromethane	1	BDL	ug/L	0.4	524.2	4/26/00
75-71-8	Dichlorodifluoromethane	1	BDL	ug/L	0.4	524.2	4/26/00
74-97-5	Bromochloromethane	1	BDL	ug/L	0.4	524.2	4/26/00
1634-04-4	Methyl tert butyl ether	1	BDL	ug/L	0.4	524.2	4/26/00
Surrogate	4-bromofluorobenzene	1	108%	Accep. 80-120		524.2	4/26/00
Surrogate	1,2-dichlorobenzene-d4	1	104%	Accep. 80-120		524.2	4/26/00

BDL=Below Detection Limit. Sample detection limits are always equal to the detection limit multiplied by the dilution.

Comments: #Analyzed by MA certified lab MA048.

QC Office: [signature] Date: 5/05/00

Revet Environmental & Analytical Laboratories, Inc.
181 Cedar Hill Street Marlborough,
MA 01752-3000
Phone: (508) 460-7600
FAX: (508) 460-7777
Massachusetts Certification M-MA082

Client Name: *Acton Engineering*
Revet Account: *N2809*
Revet ID: *5757*
Login Date: *4/14/00*
Matrix: *Water*

Contact: *Corey York*
PO/Project: *139266 Forest Rd LF*
Client ID: *L12*
Date Sampled: *4/13/00*
Sampler: CY

Certificate of Analysis

CAS #	Compound	Dilution Factor	Result	Units	Detection Limit	Method	Date Run
7440-38-2	Arsenic	1	0.166	mg/L	0.02	200.7	4/25/00
7440-39-3	Barium	1	0.206	mg/L	0.001	200.7	4/25/00
7440-43-9	Cadmium	1	0.008	mg/L	0.001	200.7	4/25/00
7440-47-3	Chromium	1	0.062	mg/L	0.01	200.7	4/25/00
7439-89-6	Iron	1	94.8	mg/L	0.01	200.7	4/25/00
7439-92-1	Lead	1	BDL	mg/L	0.05	200.7	4/25/00
7439-95-4	Manganese	1	1.22	mg/L	0.001	200.7	4/25/00
7439-97-6	Mercury	1	BDL	mg/L	0.0002	245.1	4/28/00
7782-49-2	Selenium	1	BDL	mg/L	0.01	200.7	4/25/00
7440-22-4	Silver	1	BDL	mg/L	0.004	200.7	4/25/00
7440-23-5	Sodium	1	119	mg/L	0.39	200.7	4/25/00
-	Alkalinity	1	470.8	mg/L CaCO3	10	2320B	4/14/00
-	Ammonia-N	1	34.8	mg/L	0.05	350.3	4/20/00
-	Chloride	1	134	mg/L	10	ASTM D512	4/20/00
-	Nitrate-N	1	4.08	mg/L	0.1	4500-NO3-D	4/14/00
-	TDS	1	885	mg/L	10	2540C	4/14/00
-	Sulfate#	1	7.3	mg/L	0.1	300.0	4/18/00
71-43-2	Benzene	1	1.8	ug/L	0.4	524.2	4/26/00
56-23-5	Carbon Tetrachloride	1	BDL	ug/L	0.4	524.2	4/26/00
75-35-4	1,1-Dichloroethylene	1	BDL	ug/L	0.4	524.2	4/26/00
107-06-2	1,2-Dichloroethane	1	BDL	ug/L	0.4	524.2	4/26/00
106-46-7	para-Dichlorobenzene	1	2.0	ug/L	0.4	524.2	4/26/00
79-01-6	Trichloroethylene	1	BDL	ug/L	0.4	524.2	4/26/00
71-55-6	1,1,1-Trichloroethane	1	BDL	ug/L	0.4	524.2	4/26/00
75-01-4	Vinyl Chloride	1	BDL	ug/L	0.4	524.2	4/26/00
108-90-7	Monochlorobenzene	1	21	ug/L	0.4	524.2	4/26/00
95-50-1	o-Dichlorobenzene	1	1.2	ug/L	0.4	524.2	4/26/00
156-60-5	trans-1,2-Dichloroethylene	1	BDL	ug/L	0.4	524.2	4/26/00
159-59-4	cis-1,2-Dichloroethylene	1	BDL	ug/L	0.4	524.2	4/26/00
78-87-5	1,2-Dichloropropane	1	BDL	ug/L	0.4	524.2	4/26/00
100-41-4	Ethylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
100-42-5	Styrene	1	BDL	ug/L	0.4	524.2	4/26/00
127-18-4	Tetrachloroethylene	1	BDL	ug/L	0.4	524.2	4/26/00
108-88-3	Toluene	1	BDL	ug/L	0.4	524.2	4/26/00
95-47-6	Xylenes (total)	1	BDL	ug/L	0.4	524.2	4/26/00
75-09-2	Dichloromethane	1	BDL	ug/L	0.4	524.2	4/26/00
120-82-1	1,2,4-Trichlorobenzene	1	BDL	ug/L	0.4	524.2	4/26/00
79-00-5	1,1,2-Trichloroethane	1	BDL	ug/L	0.4	524.2	4/26/00
67-66-3	Chloroform	1	BDL	ug/L	0.4	524.2	4/26/00
75-27-4	Bromodichloromethane	1	BDL	ug/L	0.4	524.2	4/26/00

QC Office: _____ Date: 05/05/00

Revet Environmental & Analytical Laboratories, Inc.

RevetID: 5757
Client ID: L12

CAS #	Compound	Dilution Factor	Result	Units	Detection Limit	Method	Date Run
124-48-1	Chlorodibromomethane	1	BDL	ug/L	0.4	524.2	4/26/00
75-25-2	Bromoform	1	BDL	ug/L	0.4	524.2	4/26/00
541-73-1	m-Dichlorobenzene	1	BDL	ug/L	0.4	524.2	4/26/00
74-95-3	Dibromomethane	1	BDL	ug/L	0.4	524.2	4/26/00
563-58-6	1,1-Dichloropropene	1	BDL	ug/L	0.4	524.2	4/26/00
75-34-3	1,1-Dichloroethane	1	BDL	ug/L	0.4	524.2	4/26/00
79-34-5	1,1,2,2-Tetrachloroethane	1	BDL	ug/L	0.4	524.2	4/26/00
142-28-9	1,3-Dichloropropane	1	BDL	ug/L	0.4	524.2	4/26/00
74-87-3	Chloromethane	1	BDL	ug/L	0.4	524.2	4/26/00
74-83-9	Bromomethane	1	BDL	ug/L	0.4	524.2	4/26/00
96-18-4	1,2,3-Trichloropropane	1	BDL	ug/L	0.4	524.2	4/26/00
630-20-6	1,1,1,2-Tetrachloroethane	1	BDL	ug/L	0.4	524.2	4/26/00
75-00-3	Chloroethane	1	3.9	ug/L	0.4	524.2	4/26/00
590-20-7	2,2-Dichloropropane	1	BDL	ug/L	0.4	524.2	4/26/00
95-49-8	o-Chlorotoluene	1	BDL	ug/L	0.4	524.2	4/26/00
106-43-4	p-Chlorotoluene	1	BDL	ug/L	0.4	524.2	4/26/00
108-86-1	Bromobenzene	1	BDL	ug/L	0.4	524.2	4/26/00
542-75-6	1,3-Dichloropropene	1	BDL	ug/L	0.4	524.2	4/26/00
95-63-6	1,2,4-Trimethylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
87-61-6	1,2,3-Trichlorobenzene	1	BDL	ug/L	0.4	524.2	4/26/00
103-65-1	n-Propylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
104-51-8	n-Butylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
91-20-3	Naphthalene	1	BDL	ug/L	0.4	524.2	4/26/00
87-63-3	Hexachlorobutadiene	1	BDL	ug/L	0.4	524.2	4/26/00
108-67-8	1,3,5-Trimethylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
99-87-6	p-Isopropyltoluene	1	BDL	ug/L	0.4	524.2	4/26/00
98-82-8	Isopropylbenzene	1	0.5	ug/L	0.4	524.2	4/26/00
98-06-6	Tert-butylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
135-98-8	Sec-butylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
75-69-4	Fluorotrichloromethane	1	BDL	ug/L	0.4	524.2	4/26/00
75-71-8	Dichlorodifluoromethane	1	BDL	ug/L	0.4	524.2	4/26/00
74-97-5	Bromochloromethane	1	BDL	ug/L	0.4	524.2	4/26/00
1634-04-4	Methyl tert butyl ether	1	0.5	ug/L	0.4	524.2	4/26/00
Surrogate	4-bromofluorobenzene	1	109%	Accep. 80-120		524.2	4/26/00
Surrogate	1,2-dichlorobenzene-d4	1	98%	Accep. 80-120		524.2	4/26/00

BDL=Below Detection Limit. Sample detection limits are always equal to the detection limit multiplied by the dilution.

Comments: #Analyzed by MA certified lab MA048.

QC Office: _____ Date: 05/05/00

Revet Environmental & Analytical Laboratories, Inc.
181 Cedar Hill Street Marlborough,
MA 01752-3000
Phone: (508) 460-7600
FAX: (508) 460-7777
Massachusetts Certification M-MA082

Client Name: *Acton Engineering*
Revet Account: *N2809*
Revet ID: *5758*
Login Date: *4/14/00*
Matrix: *Water*

Contact: *Corey York*
PO/Project: *139266 Forest Rd LF*
Client ID: *L13*
Date Sampled: *4/13/00*
Sampler: CY

Certificate of Analysis

CAS #	Compound	Dilution Factor	Result	Units	Detection Limit	Method	Date Run
7440-38-2	Arsenic	1	0.36	mg/L	0.02	200.7	4/25/00
7440-39-3	Barium	1	1.18	mg/L	0.001	200.7	4/25/00
7440-43-9	Cadmium	1	0.017	mg/L	0.001	200.7	4/25/00
7440-47-3	Chromium	1	0.178	mg/L	0.01	200.7	4/25/00
7439-89-6	Iron	1	210	mg/L	0.01	200.7	4/25/00
7439-92-1	Lead	1	0.103	mg/L	0.05	200.7	4/25/00
7439-95-4	Manganese	1	5.45	mg/L	0.001	200.7	4/25/00
7439-97-6	Mercury	1	0.0002	mg/L	0.0002	245.1	4/28/00
7782-49-2	Selenium	1	BDL	mg/L	0.01	200.7	4/25/00
7440-22-4	Silver	1	BDL	mg/L	0.004	200.7	4/25/00
7440-23-5	Sodium	1	321	mg/L	0.39	200.7	4/25/00
-	Alkalinity	1	727.6	mg/L CaCO3	10	2320B	4/14/00
-	Ammonia-N	1	84.1	mg/L	0.05	350.3	4/20/00
-	Nitrate-N	1	4.71	mg/L	0.1	4500-NO3-D	4/14/00
-	TDS	1	1369	mg/L	10	2540C	4/14/00
-	Sulfate#	1	14.2	mg/L	0.1	300.0	4/18/00
-	Chloride	1	340	mg/L	10	ASTM D512	4/20/00
-	Phenols#	1	BDL	mg/L	0.05	420.1	5/1/00
71-43-2	Benzene	1	3.9	ug/L	0.4	524.2	4/26/00
56-23-5	Carbon Tetrachloride	1	BDL	ug/L	0.4	524.2	4/26/00
75-35-4	1,1-Dichloroethylene	1	BDL	ug/L	0.4	524.2	4/26/00
107-06-2	1,2-Dichloroethane	1	BDL	ug/L	0.4	524.2	4/26/00
106-46-7	para-Dichlorobenzene	1	0.5	ug/L	0.4	524.2	4/26/00
79-01-6	Trichloroethylene	1	BDL	ug/L	0.4	524.2	4/26/00
71-55-6	1,1,1-Trichloroethane	1	BDL	ug/L	0.4	524.2	4/26/00
75-01-4	Vinyl Chloride	1	BDL	ug/L	0.4	524.2	4/26/00
108-90-7	Monochlorobenzene	1	1.3	ug/L	0.4	524.2	4/26/00
95-50-1	o-Dichlorobenzene	1	BDL	ug/L	0.4	524.2	4/26/00
156-60-5	trans-1,2-Dichloroethylene	1	BDL	ug/L	0.4	524.2	4/26/00
159-59-4	cis-1,2-Dichloroethylene	1	BDL	ug/L	0.4	524.2	4/26/00
78-87-5	1,2-Dichloropropane	1	BDL	ug/L	0.4	524.2	4/26/00
100-41-4	Ethylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
100-42-5	Styrene	1	BDL	ug/L	0.4	524.2	4/26/00
127-18-4	Tetrachloroethylene	1	BDL	ug/L	0.4	524.2	4/26/00
108-88-3	Toluene	1	BDL	ug/L	0.4	524.2	4/26/00
95-47-6	Xylenes (total)	1	BDL	ug/L	0.4	524.2	4/26/00
75-09-2	Dichloromethane	1	BDL	ug/L	0.4	524.2	4/26/00
120-82-1	1,2,4-Trichlorobenzene	1	BDL	ug/L	0.4	524.2	4/26/00
79-00-5	1,1,2-Trichloroethane	1	BDL	ug/L	0.4	524.2	4/26/00
67-66-3	Chloroform	1	BDL	ug/L	0.4	524.2	4/26/00

QC Office: _____ Date: 05/05/00

Revet Environmental & Analytical Laboratories, Inc.

RevetID: 5758
Client ID: L13

CAS #	Compound	Dilution Factor	Result	Units	Detection Limit	Method	Date Run
75-27-4	Bromodichloromethane	1	BDL	ug/L	0.4	524.2	4/26/00
124-48-1	Chlorodibromomethane	1	BDL	ug/L	0.4	524.2	4/26/00
75-25-2	Bromoform	1	BDL	ug/L	0.4	524.2	4/26/00
541-73-1	m-Dichlorobenzene	1	BDL	ug/L	0.4	524.2	4/26/00
74-95-3	Dibromomethane	1	BDL	ug/L	0.4	524.2	4/26/00
563-58-6	1,1-Dichloropropene	1	BDL	ug/L	0.4	524.2	4/26/00
75-34-3	1,1-Dichloroethane	1	BDL	ug/L	0.4	524.2	4/26/00
79-34-5	1,1,2,2-Tetrachloroethane	1	BDL	ug/L	0.4	524.2	4/26/00
142-28-9	1,3-Dichloropropane	1	BDL	ug/L	0.4	524.2	4/26/00
74-87-3	Chloromethane	1	BDL	ug/L	0.4	524.2	4/26/00
74-83-9	Bromomethane	1	BDL	ug/L	0.4	524.2	4/26/00
96-18-4	1,2,3-Trichloropropane	1	BDL	ug/L	0.4	524.2	4/26/00
630-20-6	1,1,1,2-Tetrachloroethane	1	BDL	ug/L	0.4	524.2	4/26/00
75-00-3	Chloroethane	1	2.4	ug/L	0.4	524.2	4/26/00
590-20-7	2,2-Dichloropropane	1	BDL	ug/L	0.4	524.2	4/26/00
95-49-8	o-Chlorotoluene	1	BDL	ug/L	0.4	524.2	4/26/00
106-43-4	p-Chlorotoluene	1	BDL	ug/L	0.4	524.2	4/26/00
108-86-1	Bromobenzene	1	BDL	ug/L	0.4	524.2	4/26/00
542-75-6	1,3-Dichloropropene	1	BDL	ug/L	0.4	524.2	4/26/00
95-63-6	1,2,4-Trimethylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
87-61-6	1,2,3-Trichlorobenzene	1	BDL	ug/L	0.4	524.2	4/26/00
103-65-1	n-Propylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
104-51-8	n-Butylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
91-20-3	Naphthalene	1	BDL	ug/L	0.4	524.2	4/26/00
87-63-3	Hexachlorobutadiene	1	BDL	ug/L	0.4	524.2	4/26/00
108-67-8	1,3,5-Trimethylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
99-87-6	p-Isopropyltoluene	1	BDL	ug/L	0.4	524.2	4/26/00
98-82-8	Isopropylbenzene	1	0.8	ug/L	0.4	524.2	4/26/00
98-06-6	Tert-butylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
135-98-8	Sec-butylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
75-69-4	Fluorotrichloromethane	1	BDL	ug/L	0.4	524.2	4/26/00
75-71-8	Dichlorodifluoromethane	1	BDL	ug/L	0.4	524.2	4/26/00
74-97-5	Bromochloromethane	1	BDL	ug/L	0.4	524.2	4/26/00
1634-04-4	Methyl tert butyl ether	1	BDL	ug/L	0.4	524.2	4/26/00
Surrogate	4-bromofluorobenzene	1	94%	Accep. 80-120		524.2	4/26/00
Surrogate	1,2-dichlorobenzene-d4	1	85%	Accep. 80-120		524.2	4/26/00

BDL=Below Detection Limit. Sample detection limits are always equal to the detection limit multiplied by the dilution.

Comments: #Analyzed by MA certified lab MA048.

QC Office: _____ Date: 05/05/00

Revet Environmental & Analytical Laboratories, Inc.
181 Cedar Hill Street Marlborough,
MA 01752-3000
Phone: (508) 460-7600
FAX: (508) 460-7777
Massachusetts Certification M-MA082

Client Name: *Acton Engineering* Contact: *Corey York*
Revet Account: *N2809* PO/Project: *139266 Forest Rd LF*
Revet ID: *5759* Client ID: *L 14*
Login Date: *4/14/00* Date Sampled: *4/13/00*
Matrix: *Water* Sampler: CY

Certificate of Analysis

CAS #	Compound	Dilution Factor	Result	Units	Detection Limit	Method	Date Run
7440-38-2	Arsenic	1	BDL	mg/L	0.02	200.7	4/25/00
7440-39-3	Barium	1	0.269	mg/L	0.001	200.7	4/25/00
7440-43-9	Cadmium	1	0.003	mg/L	0.001	200.7	4/25/00
7440-47-3	Chromium	1	0.021	mg/L	0.01	200.7	4/25/00
7439-89-6	Iron	1	8.67	mg/L	0.01	200.7	4/25/00
7439-92-1	Lead	1	BDL	mg/L	0.05	200.7	4/25/00
7439-95-4	Manganese	1	4.52	mg/L	0.001	200.7	4/25/00
7439-97-6	Mercury	1	BDL	mg/L	0.0002	245.1	4/28/00
7440-22-4	Silver	1	BDL	mg/L	0.004	200.7	4/25/00
7440-23-5	Sodium	1	178	mg/L	0.39	200.7	4/25/00
-	Alkalinity	1	10.7	mg/L CaCO3	10	2320B	4/14/00
-	Ammonia-N	1	1.11	mg/L	0.05	350.3	4/20/00
-	Chloride	1	364	mg/L	10	ASTM D512	4/20/00
-	Phenols#	1	BDL	mg/L	0.05	420.1	5/1/00
-	Sulfate#	1	7.7	mg/L	0.1	300.0	4/18/00
-	Nitrate-N	1	1.09	mg/L	0.1	4500-NO3-D	4/14/00
-	TDS	1	652	mg/L	10	2540C	4/14/00
71-43-2	Benzene	1	BDL	ug/L	0.4	524.2	4/26/00
56-23-5	Carbon Tetrachloride	1	BDL	ug/L	0.4	524.2	4/26/00
75-35-4	1,1-Dichloroethylene	1	BDL	ug/L	0.4	524.2	4/26/00
107-06-2	1,2-Dichloroethane	1	BDL	ug/L	0.4	524.2	4/26/00
106-46-7	para-Dichlorobenzene	1	BDL	ug/L	0.4	524.2	4/26/00
79-01-6	Trichloroethylene	1	BDL	ug/L	0.4	524.2	4/26/00
71-55-6	1,1,1-Trichloroethane	1	BDL	ug/L	0.4	524.2	4/26/00
75-01-4	Vinyl Chloride	1	BDL	ug/L	0.4	524.2	4/26/00
108-90-7	Monochlorobenzene	1	BDL	ug/L	0.4	524.2	4/26/00
95-50-1	o-Dichlorobenzene	1	BDL	ug/L	0.4	524.2	4/26/00
156-60-5	trans-1,2-Dichloroethylene	1	BDL	ug/L	0.4	524.2	4/26/00
159-59-4	cis-1,2-Dichloroethylene	1	BDL	ug/L	0.4	524.2	4/26/00
78-87-5	1,2-Dichloropropane	1	BDL	ug/L	0.4	524.2	4/26/00
100-41-4	Ethylbenzene	1	0.5	ug/L	0.4	524.2	4/26/00
100-42-5	Styrene	1	BDL	ug/L	0.4	524.2	4/26/00
127-18-4	Tetrachloroethylene	1	BDL	ug/L	0.4	524.2	4/26/00
108-88-3	Toluene	1	BDL	ug/L	0.4	524.2	4/26/00
95-47-6	Xylenes (total)	1	2.2	ug/L	0.4	524.2	4/26/00
75-09-2	Dichloromethane	1	BDL	ug/L	0.4	524.2	4/26/00
120-82-1	1,2,4-Trichlorobenzene	1	BDL	ug/L	0.4	524.2	4/26/00
79-00-5	1,1,2-Trichloroethane	1	BDL	ug/L	0.4	524.2	4/26/00
67-66-3	Chloroform	1	BDL	ug/L	0.4	524.2	4/26/00
75-27-4	Bromodichloromethane	1	BDL	ug/L	0.4	524.2	4/26/00

QC Office: _____ Date: 05/05/00

Revet Environmental & Analytical Laboratories, Inc.

RevetID: 5759
Client ID: L 14

CAS #	Compound	Dilution Factor	Result	Units	Detection Limit	Method	Date Run
124-48-1	Chlorodibromomethane	1	BDL	ug/L	0.4	524.2	4/26/00
75-25-2	Bromoform	1	BDL	ug/L	0.4	524.2	4/26/00
541-73-1	m-Dichlorobenzene	1	BDL	ug/L	0.4	524.2	4/26/00
74-95-3	Dibromomethane	1	BDL	ug/L	0.4	524.2	4/26/00
563-58-6	1,1-Dichloropropene	1	BDL	ug/L	0.4	524.2	4/26/00
75-34-3	1,1-Dichloroethane	1	BDL	ug/L	0.4	524.2	4/26/00
79-34-5	1,1,2,2-Tetrachloroethane	1	BDL	ug/L	0.4	524.2	4/26/00
142-28-9	1,3-Dichloropropane	1	BDL	ug/L	0.4	524.2	4/26/00
74-87-3	Chloromethane	1	BDL	ug/L	0.4	524.2	4/26/00
74-83-9	Bromomethane	1	BDL	ug/L	0.4	524.2	4/26/00
96-18-4	1,2,3-Trichloropropane	1	BDL	ug/L	0.4	524.2	4/26/00
630-20-6	1,1,1,2-Tetrachloroethane	1	BDL	ug/L	0.4	524.2	4/26/00
75-00-3	Chloroethane	1	BDL	ug/L	0.4	524.2	4/26/00
590-20-7	2,2-Dichloropropane	1	BDL	ug/L	0.4	524.2	4/26/00
95-49-8	o-Chlorotoluene	1	BDL	ug/L	0.4	524.2	4/26/00
106-43-4	p-Chlorotoluene	1	BDL	ug/L	0.4	524.2	4/26/00
108-86-1	Bromobenzene	1	BDL	ug/L	0.4	524.2	4/26/00
542-75-6	1,3-Dichloropropene	1	BDL	ug/L	0.4	524.2	4/26/00
95-63-6	1,2,4-Trimethylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
87-61-6	1,2,3-Trichlorobenzene	1	BDL	ug/L	0.4	524.2	4/26/00
103-65-1	n-Propylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
104-51-8	n-Butylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
91-20-3	Naphthalene	1	BDL	ug/L	0.4	524.2	4/26/00
87-63-3	Hexachlorobutadiene	1	BDL	ug/L	0.4	524.2	4/26/00
108-67-8	1,3,5-Trimethylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
99-87-6	p-Isopropyltoluene	1	BDL	ug/L	0.4	524.2	4/26/00
98-82-8	Isopropylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
98-06-6	Tert-butylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
135-98-8	Sec-butylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
75-69-4	Fluorotrichloromethane	1	BDL	ug/L	0.4	524.2	4/26/00
75-71-8	Dichlorodifluoromethane	1	BDL	ug/L	0.4	524.2	4/26/00
74-97-5	Bromochloromethane	1	BDL	ug/L	0.4	524.2	4/26/00
1634-04-4	Methyl tert butyl ether	1	BDL	ug/L	0.4	524.2	4/26/00
7782-49-2	Selenium	1	BDL	mg/L	0.01	200.7	4/24/00
Surrogate	4-bromofluorobenzene	1	100%	Accep. 80-120		524.2	4/26/00
Surrogate	1,2-dichlorobenzene-d4	1	107%	Accep. 80-120		524.2	4/26/00

BDL=Below Detection Limit. Sample detection limits are always equal to the detection limit multiplied by the dilution.

Comments: #Analyzed by MA certified lab MA048.

QC Office: _____ Date: 05/05/00

Revet Environmental & Analytical Laboratories, Inc.
181 Cedar Hill Street Marlborough,
MA 01752-3000
Phone: (508) 460-7600
FAX: (508) 460-7777
Massachusetts Certification M-MA082

Client Name: *Acton Engineering*
Contact: *Corey York*
Revet Account: *N2809*
PO/Project: *139266 Forest Rd LF*
Revet ID: *5760*
Client ID: *L 15*
Login Date: *4/14/00*
Date Sampled: *4/13/00*
Matrix: *Water*
Sampler: CY

Certificate of Analysis

CAS #	Compound	Dilution Factor	Result	Units	Detection Limit	Method	Date Run
7440-38-2	Arsenic	1	0.256	mg/L	0.02	200.7	4/25/00
7440-39-3	Barium	1	0.604	mg/L	0.001	200.7	4/25/00
7440-43-9	Cadmium	1	0.016	mg/L	0.001	200.7	4/25/00
7440-47-3	Chromium	1	0.08	mg/L	0.01	200.7	4/25/00
7439-89-6	Iron	1	194	mg/L	0.01	200.7	4/25/00
7439-92-1	Lead	1	0.081	mg/L	0.05	200.7	4/25/00
7439-95-4	Manganese	1	1.78	mg/L	0.001	200.7	4/25/00
7439-97-6	Mercury	1	BDL	mg/L	0.0002	245.1	4/28/00
7782-49-2	Selenium	1	BDL	mg/L	0.01	200.7	4/25/00
7440-22-4	Silver	1	BDL	mg/L	0.004	200.7	4/25/00
7440-23-5	Sodium	1	128	mg/L	0.39	200.7	4/25/00
-	Alkalinity	1	404.5	mg/L CaCO3	10	2320B	4/14/00
-	Ammonia-N	1	27.6	mg/L	0.05	350.3	4/20/00
-	Chloride	1	134	mg/L	10	ASTM D512	4/20/00
-	Nitrate-N	1	1.76	mg/L	0.1	4500-NO3-D	4/14/00
-	Sulfate#	1	12.3	mg/L	0.1	300.0	4/18/00
-	TDS	1	302	mg/L	10	2540C	4/18/00
71-43-2	Benzene	1	4.9	ug/L	0.4	524.2	4/26/00
56-23-5	Carbon Tetrachloride	1	BDL	ug/L	0.4	524.2	4/26/00
75-35-4	1,1-Dichloroethylene	1	BDL	ug/L	0.4	524.2	4/26/00
107-06-2	1,2-Dichloroethane	1	BDL	ug/L	0.4	524.2	4/26/00
106-46-7	para-Dichlorobenzene	1	1.9	ug/L	0.4	524.2	4/26/00
79-01-6	Trichloroethylene	1	BDL	ug/L	0.4	524.2	4/26/00
71-55-6	1,1,1-Trichloroethane	1	BDL	ug/L	0.4	524.2	4/26/00
75-01-4	Vinyl Chloride	1	BDL	ug/L	0.4	524.2	4/26/00
108-90-7	Monochlorobenzene	1	1.7	ug/L	0.4	524.2	4/26/00
95-50-1	o-Dichlorobenzene	1	BDL	ug/L	0.4	524.2	4/26/00
156-60-5	trans-1,2-Dichloroethylene	1	BDL	ug/L	0.4	524.2	4/26/00
159-59-4	cis-1,2-Dichloroethylene	1	BDL	ug/L	0.4	524.2	4/26/00
78-87-5	1,2-Dichloropropane	1	BDL	ug/L	0.4	524.2	4/26/00
100-41-4	Ethylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
100-42-5	Styrene	1	BDL	ug/L	0.4	524.2	4/26/00
127-18-4	Tetrachloroethylene	1	BDL	ug/L	0.4	524.2	4/26/00
108-88-3	Toluene	1	BDL	ug/L	0.4	524.2	4/26/00
95-47-6	Xylenes (total)	1	BDL	ug/L	0.4	524.2	4/26/00
75-09-2	Dichloromethane	1	BDL	ug/L	0.4	524.2	4/26/00
120-82-1	1,2,4-Trichlorobenzene	1	BDL	ug/L	0.4	524.2	4/26/00
79-00-5	1,1,2-Trichloroethane	1	BDL	ug/L	0.4	524.2	4/26/00
67-66-3	Chloroform	1	BDL	ug/L	0.4	524.2	4/26/00
75-27-4	Bromodichloromethane	1	BDL	ug/L	0.4	524.2	4/26/00

QC Office: _____ Date 05/05/00

Revet Environmental & Analytical Laboratories, Inc.

RevetID: 5760
Client ID: L 15

CAS #	Compound	Dilution Factor	Result	Units	Detection Limit	Method	Date Run
124-48-1	Chlorodibromomethane	1	BDL	ug/L	0.4	524.2	4/26/00
75-25-2	Bromoform	1	BDL	ug/L	0.4	524.2	4/26/00
541-73-1	m-Dichlorobenzene	1	BDL	ug/L	0.4	524.2	4/26/00
74-95-3	Dibromomethane	1	BDL	ug/L	0.4	524.2	4/26/00
563-58-6	1,1-Dichloropropene	1	BDL	ug/L	0.4	524.2	4/26/00
75-34-3	1,1-Dichloroethane	1	BDL	ug/L	0.4	524.2	4/26/00
79-34-5	1,1,2,2-Tetrachloroethane	1	BDL	ug/L	0.4	524.2	4/26/00
142-28-9	1,3-Dichloropropane	1	BDL	ug/L	0.4	524.2	4/26/00
74-87-3	Chloromethane	1	BDL	ug/L	0.4	524.2	4/26/00
74-83-9	Bromomethane	1	BDL	ug/L	0.4	524.2	4/26/00
96-18-4	1,2,3-Trichloropropane	1	BDL	ug/L	0.4	524.2	4/26/00
630-20-6	1,1,1,2-Tetrachloroethane	1	BDL	ug/L	0.4	524.2	4/26/00
75-00-3	Chloroethane	1	BDL	ug/L	0.4	524.2	4/26/00
590-20-7	2,2-Dichloropropane	1	BDL	ug/L	0.4	524.2	4/26/00
95-49-8	o-Chlorotoluene	1	BDL	ug/L	0.4	524.2	4/26/00
106-43-4	p-Chlorotoluene	1	BDL	ug/L	0.4	524.2	4/26/00
108-86-1	Bromobenzene	1	BDL	ug/L	0.4	524.2	4/26/00
542-75-6	1,3-Dichloropropene	1	BDL	ug/L	0.4	524.2	4/26/00
95-63-6	1,2,4-Trimethylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
87-61-6	1,2,3-Trichlorobenzene	1	BDL	ug/L	0.4	524.2	4/26/00
103-65-1	n-Propylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
104-51-8	n-Butylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
91-20-3	Naphthalene	1	BDL	ug/L	0.4	524.2	4/26/00
87-63-3	Hexachlorobutadiene	1	BDL	ug/L	0.4	524.2	4/26/00
108-67-8	1,3,5-Trimethylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
99-87-6	p-Isopropyltoluene	1	BDL	ug/L	0.4	524.2	4/26/00
98-82-8	Isopropylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
98-06-6	Tert-butylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
135-98-8	Sec-butylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
75-69-4	Fluorotrichloromethane	1	BDL	ug/L	0.4	524.2	4/26/00
75-71-8	Dichlorodifluoromethane	1	BDL	ug/L	0.4	524.2	4/26/00
74-97-5	Bromochloromethane	1	BDL	ug/L	0.4	524.2	4/26/00
1634-04-4	Methyl tert butyl ether	1	BDL	ug/L	0.4	524.2	4/26/00
-	Phenols#	1	BDL	mg/L	0.05	420.1	5/1/00
Surrogate	4-bromofluorobenzene	1	127*%	Accep. 80-120		524.2	4/26/00
Surrogate	1,2-dichlorobenzene-d4	1	129*%	Accep. 80-120		524.2	4/26/00

BDL=Below Detection Limit. Sample detection limits are always equal to the detection limit multiplied by the dilution.

Comments: #Analyzed by MA certified lab MA048.

QC Office: N Taylor Date 05/05/00

Revet Environmental & Analytical Laboratories, Inc.
181 Cedar Hill Street Marlborough,
MA 01752-3000
Phone: (508) 460-7600
FAX: (508) 460-7777
Massachusetts Certification M-MA082

Client Name: *Acton Engineering* Contact: *Corey York*
Revet Account: *N2809* PO/Project: *139266 Forest Rd LF*
Revet ID: *5761* Client ID: *S 8*
Login Date: *4/14/00* Date Sampled: *4/13/00*
Matrix: *Water* Sampler: CY

Certificate of Analysis

CAS #	Compound	Dilution Factor	Result	Units	Detection Limit	Method	Date Run
7440-38-2	Arsenic	1	BDL	mg/L	0.02	200.7	4/25/00
7440-39-3	Barium	1	0.025	mg/L	0.001	200.7	4/25/00
7440-43-9	Cadmium	1	BDL	mg/L	0.001	200.7	4/25/00
7440-47-3	Chromium	1	BDL	mg/L	0.01	200.7	4/25/00
7439-89-6	Iron	1	0.607	mg/L	0.01	200.7	4/25/00
7439-92-1	Lead	1	BDL	mg/L	0.05	200.7	4/25/00
7439-95-4	Manganese	1	0.095	mg/L	0.001	200.7	4/25/00
7439-97-6	Mercury	1	BDL	mg/L	0.0002	245.1	4/28/00
7782-49-2	Selenium	1	BDL	mg/L	0.01	200.7	4/25/00
7440-22-4	Silver	1	BDL	mg/L	0.004	200.7	4/25/00
7440-23-5	Sodium	1	63.8	mg/L	0.39	200.7	4/25/00
-	Alkalinity	1	19.26	mg/L CaCO3	10	2320B	4/14/00
-	Ammonia-N	1	0.37	mg/L	0.05	350.3	4/20/00
-	Chloride	1	118	mg/L	10	ASTM D512	4/20/00
-	Nitrate-N	1	2.24	mg/L	0.1	4500-NO3-D	4/14/00
-	TDS	1	535	mg/L	10	2540C	4/18/00
-	Sulfate#	1	12.9	mg/L	0.01	300.0	4/18/00
71-43-2	Benzene	1	BDL	ug/L	0.4	524.2	4/26/00
56-23-5	Carbon Tetrachloride	1	BDL	ug/L	0.4	524.2	4/26/00
75-35-4	1,1-Dichloroethylene	1	BDL	ug/L	0.4	524.2	4/26/00
107-06-2	1,2-Dichloroethane	1	BDL	ug/L	0.4	524.2	4/26/00
106-46-7	para-Dichlorobenzene	1	BDL	ug/L	0.4	524.2	4/26/00
79-01-6	Trichloroethylene	1	BDL	ug/L	0.4	524.2	4/26/00
71-55-6	1,1,1-Trichloroethane	1	BDL	ug/L	0.4	524.2	4/26/00
75-01-4	Vinyl Chloride	1	BDL	ug/L	0.4	524.2	4/26/00
108-90-7	Monochlorobenzene	1	BDL	ug/L	0.4	524.2	4/26/00
95-50-1	o-Dichlorobenzene	1	BDL	ug/L	0.4	524.2	4/26/00
156-60-5	trans-1,2-Dichloroethylene	1	BDL	ug/L	0.4	524.2	4/26/00
159-59-4	cis-1,2-Dichloroethylene	1	BDL	ug/L	0.4	524.2	4/26/00
78-87-5	1,2-Dichloropropane	1	BDL	ug/L	0.4	524.2	4/26/00
100-41-4	Ethylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
100-42-5	Styrene	1	BDL	ug/L	0.4	524.2	4/26/00
127-18-4	Tetrachloroethylene	1	BDL	ug/L	0.4	524.2	4/26/00
108-88-3	Toluene	1	BDL	ug/L	0.4	524.2	4/26/00
95-47-6	Xylenes (total)	1	BDL	ug/L	0.4	524.2	4/26/00
75-09-2	Dichloromethane	1	BDL	ug/L	0.4	524.2	4/26/00
120-82-1	1,2,4-Trichlorobenzene	1	BDL	ug/L	0.4	524.2	4/26/00
79-00-5	1,1,2-Trichloroethane	1	BDL	ug/L	0.4	524.2	4/26/00
67-66-3	Chloroform	1	BDL	ug/L	0.4	524.2	4/26/00
75-27-4	Bromodichloromethane	1	BDL	ug/L	0.4	524.2	4/26/00

QC Office: _____ Date: 05/05/00

Revet Environmental & Analytical Laboratories, Inc.

RevetID: 5761

Client ID: S 8

CAS #	Compound	Dilution Factor	Result	Units	Detection Limit	Method	Date Run
124-48-1	Chlorodibromomethane	1	BDL	ug/L	0.4	524.2	4/26/00
75-25-2	Bromoform	1	BDL	ug/L	0.4	524.2	4/26/00
541-73-1	m-Dichlorobenzene	1	BDL	ug/L	0.4	524.2	4/26/00
74-95-3	Dibromomethane	1	BDL	ug/L	0.4	524.2	4/26/00
563-58-6	1,1-Dichloropropene	1	BDL	ug/L	0.4	524.2	4/26/00
75-34-3	1,1-Dichloroethane	1	BDL	ug/L	0.4	524.2	4/26/00
79-34-5	1,1,2,2-Tetrachloroethane	1	BDL	ug/L	0.4	524.2	4/26/00
142-28-9	1,3-Dichloropropane	1	BDL	ug/L	0.4	524.2	4/26/00
74-87-3	Chloromethane	1	BDL	ug/L	0.4	524.2	4/26/00
74-83-9	Bromomethane	1	BDL	ug/L	0.4	524.2	4/26/00
96-18-4	1,2,3-Trichloropropane	1	BDL	ug/L	0.4	524.2	4/26/00
630-20-6	1,1,1,2-Tetrachloroethane	1	BDL	ug/L	0.4	524.2	4/26/00
75-00-3	Chloroethane	1	BDL	ug/L	0.4	524.2	4/26/00
590-20-7	2,2-Dichloropropane	1	BDL	ug/L	0.4	524.2	4/26/00
95-49-8	o-Chlorotoluene	1	BDL	ug/L	0.4	524.2	4/26/00
106-43-4	p-Chlorotoluene	1	BDL	ug/L	0.4	524.2	4/26/00
108-86-1	Bromobenzene	1	BDL	ug/L	0.4	524.2	4/26/00
542-75-6	1,3-Dichloropropene	1	BDL	ug/L	0.4	524.2	4/26/00
95-63-6	1,2,4-Trimethylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
87-61-6	1,2,3-Trichlorobenzene	1	BDL	ug/L	0.4	524.2	4/26/00
103-65-1	n-Propylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
104-51-8	n-Butylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
91-20-3	Naphthalene	1	BDL	ug/L	0.4	524.2	4/26/00
87-63-3	Hexachlorobutadiene	1	BDL	ug/L	0.4	524.2	4/26/00
108-67-8	1,3,5-Trimethylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
99-87-6	p-Isopropyltoluene	1	BDL	ug/L	0.4	524.2	4/26/00
98-82-8	Isopropylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
98-06-6	Tert-butylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
135-98-8	Sec-butylbenzene	1	BDL	ug/L	0.4	524.2	4/26/00
75-69-4	Fluorotrichloromethane	1	BDL	ug/L	0.4	524.2	4/26/00
75-71-8	Dichlorodifluoromethane	1	BDL	ug/L	0.4	524.2	4/26/00
74-97-5	Bromochloromethane	1	BDL	ug/L	0.4	524.2	4/26/00
1634-04-4	Methyl tert butyl ether	1	0.5	ug/L	0.4	524.2	4/26/00
Surrogate	4-bromofluorobenzene	1	92%	Accep. 80-120		524.2	4/26/00
Surrogate	1,2-dichlorobenzene-d4	1	88%	Accep. 80-120		524.2	4/26/00

BDL=Below Detection Limit. Sample detection limits are always equal to the detection limit multiplied by the dilution.

Comments: #Analyzed by MA certified lab MA048.

QC Office: O. Taylor Date: 05/05/00

TOWN OF ACTON
472 Main Street
Acton, Massachusetts, 01720
Telephone (978) 264-9628
Fax (978) 264-9630

Engineering Department

August 29, 2001

Ms. Cheryl Poirier
Massachusetts Department of Environmental Protection
75 Grove Street
Worcester, Massachusetts 01605

Dear Ms. Poirier:

Please find attached the groundwater analyses of wells at the former Acton Landfill. The Acton Engineering Department collected the groundwater samples on April 19, 20 and 23, 2001. Microbac Laboratories performed the lab work between April 26 and June 5, 2001.

If you should require any additional information or have any questions, please contact me at (978) 264-9628.

Very Truly Yours,

Corey S. York
Engineering Assistant

csy

200

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CERTIFICATE OF ANALYSIS

ACTON WATER DEPARTMENT

693 MASS AVENUE
ACTON, MA 01720

Date Reported: 6/18/01
Sample ID: 9928-00831
Date Received: 4/24/01
Sampled by: CUSTOMER

PARAMETERS	RESULTS	DATE	TECH	METHOD
SITE #L-11, GROUND WATER, 4/24/01.				
Chloride	383.6 mg/l	4/27/01	LC	4500-CL-B
Nitrate	1.0 mg/l	4/26/01	LC	SM 4500-NO3-E
Ammonia	0.4 mg/l	5/09/01	HL	4500-NH3-D
Alkalinity as CaCO3	<10 mg CaCO3/l	5/03/01	HL	2320B
Total Dissolved Solids	700 mg/l	4/30/01	MC	2540C
Iron	75.6 mg/l	5/02/01	DK	200.7
Manganese	1.69 mg/l	5/02/01	DK	200.7
Sulfate	8.6 mg/l	4/26/01	LC	4500-SO4 D.
Sodium	228 mg/l	5/02/01	DK	200.7
Arsenic	0.325 mg/l	5/02/01	DK	200.7
Barium	0.090 mg/l	5/02/01	DK	200.7
Chromium	0.023 mg/l	5/02/01	DK	200.7
Cadmium	0.014 mg/l	5/08/01	DK	200.7
Lead	0.018 mg/l	5/04/01	NB	SM3113B
Mercury	<0.0002 mg/l	5/04/01	DK	245.1
Selenium	0.002 mg/l	6/05/01	NB	200.9
Silver	<0.003 mg/l	5/02/01	DK	200.7
Volatile Organics		5/05/01	HL	624
Benzene	<1 ug/l	5/05/01	HL	624
Bromodichloromethane	<1 ug/l	5/05/01	HL	624
Bromoform	<1 ug/l	5/05/01	HL	624
Bromomethane	<5 ug/l	5/05/01	HL	624
Carbon Tetrachloride	<1 ug/l	5/05/01	HL	624
Chlorobenzene	<1 ug/l	5/05/01	HL	624
Chloroethane	<1 ug/l	5/05/01	HL	624
2-Chloroethylvinylether	<5 ug/l	5/05/01	HL	624
Chloroform	<1 ug/l	5/05/01	HL	624
Chloromethane	<1 ug/l	5/05/01	HL	624
Dibromochloromethane	<1 ug/l	5/05/01	HL	624
1,2-Dichlorobenzene	<1 ug/l	5/05/01	HL	624
1,3-Dichlorobenzene	<1 ug/l	5/05/01	HL	624
1,4-Dichlorobenzene	<1 ug/l	5/05/01	HL	624
1,1-Dichloroethane	<1 ug/l	5/05/01	HL	624

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ACTON, MA 01720

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Sample ID: 9928-00831
Date Received: 4/24/01
Sampled by: CUSTOMER

PARAMETERS	RESULTS	DATE	TECH	METHOD
SITE #L-11, GROUND WATER, 4/24/01.				
1,2-Dichloroethane	<1 ug/l	5/05/01	HL	624
1,1-Dichloroethylene	<1 ug/l	5/05/01	HL	624
trans-1,2-Dichloroethene	<1 ug/l	5/05/01	HL	624
1,2-Dichloropropane	<1 ug/l	5/05/01	HL	624
cis-1,3-Dichloropropene	<1 ug/l	5/05/01	HL	624
trans-1,3-Dichloropropene	<1 ug/l	5/05/01	HL	624
Ethylbenzene	<1 ug/l	5/05/01	HL	624
Methylene Chloride	<1 ug/l	5/05/01	HL	624
Naphthalene	<1 ug/l	5/05/01	HL	624
1,1,2,2-Tetrachloroethane	<1 ug/l	5/05/01	HL	624
Tetrachloroethylene	<1 ug/l	5/05/01	HL	624
Toluene	<1 ug/l	5/05/01	HL	624
1,2,4 - Trichlorobenzene	<1 ug/l	5/05/01	HL	624
1,1,1-Trichloroethane	<1 ug/l	5/05/01	HL	624
1,1,2-Trichloroethane	<1 ug/l	5/05/01	HL	624
Trichloroethylene	<1 ug/l	5/05/01	HL	624
Trichlorofluoromethane	<1 ug/l	5/05/01	HL	624
Vinyl Chloride	<10 ug/l	5/05/01	HL	624
Total Xylenes	<1 ug/l	5/05/01	HL	624
Carbon Disulfide	<1 ug/l	5/05/01	HL	624
Vinyl Acetate	<10 ug/l	5/05/01	HL	624
Styrene	<1 ug/l	5/05/01	HL	624
Toluene D8	93 % Recovery	5/05/01	HL	624
p-Bromofluorobenzene	103 % Recovery	5/05/01	HL	624
1,2-Dichloroethane D4	100 % Recovery	5/05/01	HL	624
Dibromofluoromethane	93 % Recovery	5/05/01	HL	624
SITE #L-14, GROUND WATER, 4/24/01.				
Chloride	162.8 mg/l	4/27/01	LC	4500-CL-B
Nitrate	0.3 mg/l	4/26/01	LC	SM 4500-NO3-E
Ammonia	<0.2 mg/l	5/09/01	HL	4500-NH3-D
Alkalinity as CaCO3	14.8 mg CaCO3/l	5/03/01	HL	2320B

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ACTON WATER DEPARTMENT

693 MASS AVENUE
ACTON, MA 01720

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Sample ID: 9928-00831
Date Received: 4/24/01
Sampled by: CUSTOMER

PARAMETERS	RESULTS	DATE	TECH	METHOD
SITE #L-14, GROUND WATER, 4/24/01.				
Total Dissolved Solids	250 mg/l	4/30/01	MC	2540C
Iron	2.04 mg/l	5/02/01	DK	200.7
Manganese	0.365 mg/l	5/02/01	DK	200.7
Sulfate	9.8 mg/l	4/26/01	LC	4500-SO4 D.
Sodium	91.1 mg/l	5/02/01	DK	200.7
Arsenic	<0.004 mg/l	5/04/01	NB	200.9
Barium	0.089 mg/l	5/02/01	DK	200.7
Chromium	0.036 mg/l	5/02/01	DK	200.7
Cadmium	0.007 mg/l	5/08/01	DK	200.7
Lead	0.010 mg/l	5/04/01	NB	SM3113B
Mercury	<0.0002 mg/l	5/04/01	DK	245.1
Selenium	0.002 mg/l	6/05/01	NB	200.9
Silver	<0.003 mg/l	5/02/01	DK	200.7
Total Phenol	0.03 mg/l	5/01/01	SUB	5530-C
Volatile Organics		5/05/01	HL	624
Benzene	<1 ug/l	5/05/01	HL	624
Bromodichloromethane	<1 ug/l	5/05/01	HL	624
Bromoform	<1 ug/l	5/05/01	HL	624
Bromomethane	<5 ug/l	5/05/01	HL	624
Carbon Tetrachloride	<1 ug/l	5/05/01	HL	624
Chlorobenzene	<1 ug/l	5/05/01	HL	624
Chloroethane	<1 ug/l	5/05/01	HL	624
2-Chloroethylvinylether	<5 ug/l	5/05/01	HL	624
Chloroform	<1 ug/l	5/05/01	HL	624
Chloromethane	<1 ug/l	5/05/01	HL	624
Dibromochloromethane	<1 ug/l	5/05/01	HL	624
1,2-Dichlorobenzene	<1 ug/l	5/05/01	HL	624
1,3-Dichlorobenzene	<1 ug/l	5/05/01	HL	624
1,4-Dichlorobenzene	<1 ug/l	5/05/01	HL	624
1,1-Dichloroethane	<1 ug/l	5/05/01	HL	624
1,2-Dichloroethane	<1 ug/l	5/05/01	HL	624
1,1-Dichloroethylene	<1 ug/l	5/05/01	HL	624
trans-1,2-Dichloroethene	<1 ug/l	5/05/01	HL	624

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PARAMETERS	RESULTS	DATE	TECH	METHOD
SITE #L-14, GROUND WATER, 4/24/01.				
1,2-Dichloropropane	<1 ug/l	5/05/01	HL	624
cis-1,3-Dichloropropene	<1 ug/l	5/05/01	HL	624
trans-1,3-Dichloropropene	<1 ug/l	5/05/01	HL	624
Ethylbenzene	2.2 ug/l	5/05/01	HL	624
Methylene Chloride	<1 ug/l	5/05/01	HL	624
Naphthalene	1.1 ug/l	5/05/01	HL	624
1,1,2,2-Tetrachloroethane	<1 ug/l	5/05/01	HL	624
Tetrachloroethylene	<1 ug/l	5/05/01	HL	624
Toluene	<1 ug/l	5/05/01	HL	624
1,2,4 - Trichlorobenzene	<1 ug/l	5/05/01	HL	624
1,1,1-Trichloroethane	<1 ug/l	5/05/01	HL	624
1,1,2-Trichloroethane	<1 ug/l	5/05/01	HL	624
Trichloroethylene	<1 ug/l	5/05/01	HL	624
Trichlorofluoromethane	<1 ug/l	5/05/01	HL	624
Vinyl Chloride	<10 ug/l	5/05/01	HL	624
Total Xylenes	10 ug/l	5/05/01	HL	624
Carbon Disulfide	<1 ug/l	5/05/01	HL	624
Vinyl Acetate	<10 ug/l	5/05/01	HL	624
Styrene	<1 ug/l	5/05/01	HL	624
Toluene D8	93 % Recovery	5/05/01	HL	624
p-Bromofluorobenzene	101 % Recovery	5/05/01	HL	624
1,2-Dichloroethane D4	99 % Recovery	5/05/01	HL	624
Dibromofluoromethane	94 % Recovery	5/05/01	HL	624
SITE #L-15, GROUND WATER, 4/24/01.				
Chloride	196.8 mg/l	4/27/01	LC	4500-CL-B
Nitrate	0.5 mg/l	4/26/01	LC	SM 4500-NO3-E
Ammonia	13 mg/l	5/09/01	HL	4500-NH3-D
Alkalinity as CaCO3	263 mg CaCO3/l	5/03/01	HL	2320B
Total Dissolved Solids	699 mg/l	4/30/01	MC	2540C
Iron	155 mg/l	5/02/01	DK	200.7
Manganese	1.73 mg/l	5/02/01	DK	200.7

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693 MASS AVENUE
ACTON, MA 01720

Date Reported: 6/18/01
Sample ID: 9928-00831
Date Received: 4/24/01
Sampled by: CUSTOMER

PARAMETERS	RESULTS	DATE	TECH	METHOD
SITE #L-15, GROUND WATER, 4/24/01.				
Sulfate	14.4 mg/l	4/26/01	LC	4500-SO4 D.
Sodium	102 mg/l	5/02/01	DK	200.7
Arsenic	0.237 mg/l	5/02/01	DK	200.7
Barium	0.507 mg/l	5/02/01	DK	200.7
Chromium	0.093 mg/l	5/02/01	DK	200.7
Cadmium	0.016 mg/l	5/08/01	DK	200.7
Lead	0.056 mg/l	5/04/01	NB	SM3113B
Mercury	<0.0002 mg/l	5/04/01	DK	245.1
Selenium	0.004 mg/l	6/05/01	NB	200.9
Silver	<0.003 mg/l	5/02/01	DK	200.7
Total Phenol	<0.03 mg/l	5/01/01	SUB	5530-C
Volatile Organics		5/04/01	HL	624
Benzene	3.4 ug/l	5/04/01	HL	624
Bromodichloromethane	<1 ug/l	5/04/01	HL	624
Bromoform	<1 ug/l	5/04/01	HL	624
Bromomethane	<5 ug/l	5/04/01	HL	624
Carbon Tetrachloride	<1 ug/l	5/04/01	HL	624
Chlorobenzene	1.3 ug/l	5/04/01	HL	624
Chloroethane	1.3 ug/l	5/04/01	HL	624
2-Chloroethylvinylether	<5 ug/l	5/04/01	HL	624
Chloroform	<1 ug/l	5/04/01	HL	624
Chloromethane	<1 ug/l	5/04/01	HL	624
Dibromochloromethane	<1 ug/l	5/04/01	HL	624
1,2-Dichlorobenzene	<1 ug/l	5/04/01	HL	624
1,3-Dichlorobenzene	<1 ug/l	5/04/01	HL	624
1,4-Dichlorobenzene	3.5 ug/l	5/04/01	HL	624
1,1-Dichloroethane	<1 ug/l	5/04/01	HL	624
1,2-Dichloroethane	<1 ug/l	5/04/01	HL	624
1,1-Dichloroethylene	<1 ug/l	5/04/01	HL	624
trans-1,2-Dichloroethene	<1 ug/l	5/04/01	HL	624
1,2-Dichloropropane	<1 ug/l	5/04/01	HL	624
cis-1,3-Dichloropropene	<1 ug/l	5/04/01	HL	624
trans-1,3-Dichloropropene	<1 ug/l	5/04/01	HL	624

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693 MASS AVENUE
ACTON, MA 01720

Date Reported: 6/18/01
Sample ID: 9928-00831
Date Received: 4/24/01
Sampled by: CUSTOMER

PARAMETERS	RESULTS	DATE	TECH	METHOD
SITE #L-15, GROUND WATER, 4/24/01.				
Ethylbenzene	11 ug/l	5/04/01	HL	624
Methylene Chloride	<1 ug/l	5/04/01	HL	624
Naphthalene	<1 ug/l	5/04/01	HL	624
1,1,2,2-Tetrachloroethane	<1 ug/l	5/04/01	HL	624
Tetrachloroethylene	<1 ug/l	5/04/01	HL	624
Toluene	<1 ug/l	5/04/01	HL	624
1,2,4 - Trichlorobenzene	<1 ug/l	5/04/01	HL	624
1,1,1-Trichloroethane	<1 ug/l	5/04/01	HL	624
1,1,2-Trichloroethane	<1 ug/l	5/04/01	HL	624
Trichloroethylene	<1 ug/l	5/04/01	HL	624
Trichlorofluoromethane	<1 ug/l	5/04/01	HL	624
Vinyl Chloride	<10 ug/l	5/04/01	HL	624
Total Xylenes	69 ug/l	5/04/01	HL	624
Carbon Disulfide	<1 ug/l	5/04/01	HL	624
Vinyl Acetate	<10 ug/l	5/04/01	HL	624
Styrene	<1 ug/l	5/04/01	HL	624
Toluene D8	93 % Recovery	5/04/01	HL	624
p-Bromofluorobenzene	103 % Recovery	5/04/01	HL	624
1,2-Dichloroethane D4	102 % Recovery	5/04/01	HL	624
Dibromofluoromethane	93 % Recovery	5/04/01	HL	624
SITE #L-13, GROUND WATER, 4/24/01.				
Chloride	112.2 mg/l	4/27/01	LC	4500-CL-B
Nitrate	0.2 mg/l	4/26/01	LC	SM 4500-NO3-E
Ammonia	20 mg/l	5/23/01	HL	4500-NH3-D
Alkalinity as CaCO3	484 mg CaCO3/l	5/03/01	HL	2320B
Total Dissolved Solids	634 mg/l	4/30/01	MC	2540C
Iron	85.2 mg/l	5/02/01	DK	200.7
Manganese	1.29 mg/l	5/02/01	DK	200.7
Sulfate	<4.0 mg/l	4/26/01	LC	4500-SO4 D.
Sodium	72.3 mg/l	5/02/01	DK	200.7
Arsenic	0.120 mg/l	5/02/01	DK	200.7

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ACTON WATER DEPARTMENT

693 MASS AVENUE
ACTON, MA 01720

Date Reported: 6/18/01
Sample ID: 9928-00831
Date Received: 4/24/01
Sampled by: CUSTOMER

PARAMETERS	RESULTS	DATE	TECH	METHOD
SITE #L-13, GROUND WATER, 4/24/01.				
Barium	0.180 mg/l	5/02/01	DK	200.7
Chromium	0.035 mg/l	5/02/01	DK	200.7
Cadmium	0.005 mg/l	5/08/01	DK	200.7
Lead	0.023 mg/l	5/04/01	NB	SM3113B
Mercury	<0.0002 mg/l	5/04/01	DK	245.1
Selenium	<0.002 mg/l	6/05/01	NB	200.9
Silver	<0.003 mg/l	5/02/01	DK	200.7
Volatile Organics		5/04/01	HL	624
Benzene	2.3 ug/l	5/04/01	HL	624
Bromodichloromethane	<1 ug/l	5/04/01	HL	624
Bromoform	<1 ug/l	5/04/01	HL	624
Bromomethane	<5 ug/l	5/04/01	HL	624
Carbon Tetrachloride	<1 ug/l	5/04/01	HL	624
Chlorobenzene	21 ug/l	5/04/01	HL	624
Chloroethane	4.5 ug/l	5/04/01	HL	624
2-Chloroethylvinylether	<5 ug/l	5/04/01	HL	624
Chloroform	<1 ug/l	5/04/01	HL	624
Chloromethane	<1 ug/l	5/04/01	HL	624
Dibromochloromethane	<1 ug/l	5/04/01	HL	624
1,2-Dichlorobenzene	2.3 ug/l	5/04/01	HL	624
1,3-Dichlorobenzene	<1 ug/l	5/04/01	HL	624
1,4-Dichlorobenzene	1.7 ug/l	5/04/01	HL	624
1,1-Dichloroethane	<1 ug/l	5/04/01	HL	624
1,2-Dichloroethane	<1 ug/l	5/04/01	HL	624
1,1-Dichloroethylene	<1 ug/l	5/04/01	HL	624
trans-1,2-Dichloroethene	<1 ug/l	5/04/01	HL	624
1,2-Dichloropropane	<1 ug/l	5/04/01	HL	624
cis-1,3-Dichloropropene	<1 ug/l	5/04/01	HL	624
trans-1,3-Dichloropropene	<1 ug/l	5/04/01	HL	624
Ethylbenzene	<1 ug/l	5/04/01	HL	624
Methylene Chloride	<1 ug/l	5/04/01	HL	624
Naphthalene	<1 ug/l	5/04/01	HL	624
1,1,2,2-Tetrachloroethane	<1 ug/l	5/04/01	HL	624

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PARAMETERS	RESULTS	DATE	TECH	METHOD
SITE #L-13, GROUND WATER, 4/24/01.				
Tetrachloroethylene	<1 ug/l	5/04/01	HL	624
Toluene	<1 ug/l	5/04/01	HL	624
1,2,4 - Trichlorobenzene	<1 ug/l	5/04/01	HL	624
1,1,1-Trichloroethane	<1 ug/l	5/04/01	HL	624
1,1,2-Trichloroethane	<1 ug/l	5/04/01	HL	624
Trichloroethylene	<1 ug/l	5/04/01	HL	624
Trichlorofluoromethane	<1 ug/l	5/04/01	HL	624
Vinyl Chloride	<10 ug/l	5/04/01	HL	624
Total Xylenes	<1 ug/l	5/04/01	HL	624
Carbon Disulfide	<1 ug/l	5/04/01	HL	624
Vinyl Acetate	<10 ug/l	5/04/01	HL	624
Styrene	<1 ug/l	5/04/01	HL	624
Toluene D8	93 % Recovery	5/04/01	HL	624
p-Bromofluorobenzene	101 % Recovery	5/04/01	HL	624
1,2-Dichloroethane D4	103 % Recovery	5/04/01	HL	624
Dibromofluoromethane	92 % Recovery	5/04/01	HL	624
SITE #L-12, GROUND WATER, 4/24/01.				
Chloride	322.0 mg/l	4/27/01	LC	4500-CL-B
Nitrate	0.4 mg/l	4/26/01	LC	SM 4500-NO3-E
Ammonia	<0.2 mg/l	5/23/01	HL	4500-NH3-D
Alkalinity as CaCO3	14.1 mg CaCO3/l	5/03/01	HL	2320B
Total Dissolved Solids	679 mg/l	4/30/01	MC	2540C
Iron	143 mg/l	5/02/01	DK	200.7
Manganese	1.26 mg/l	5/02/01	DK	200.7
Sulfate	41.0 mg/l	4/26/01	LC	4500-SO4 D.
Sodium	180 mg/l	5/02/01	DK	200.7
Arsenic	0.017 mg/l	5/02/01	DK	200.7
Barium	0.476 mg/l	5/02/01	DK	200.7
Chromium	0.119 mg/l	5/02/01	DK	200.7
Cadmium	0.004 mg/l	5/08/01	DK	200.7
Lead	0.076 mg/l	5/04/01	NB	SM3113B

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PARAMETERS	RESULTS	DATE	TECH	METHOD
SITE #L-12, GROUND WATER, 4/24/01.				
Mercury	<0.0002 mg/l	5/04/01	DK	245.1
Selenium	0.007 mg/l	6/05/01	NB	200.9
Silver	0.004 mg/l	5/02/01	DK	200.7
Volatile Organics		5/04/01	HL	624
Benzene	<1 ug/l	5/04/01	HL	624
Bromodichloromethane	<1 ug/l	5/04/01	HL	624
Bromoform	<1 ug/l	5/04/01	HL	624
Bromomethane	<5 ug/l	5/04/01	HL	624
Carbon Tetrachloride	<1 ug/l	5/04/01	HL	624
Chlorobenzene	<1 ug/l	5/04/01	HL	624
Chloroethane	<1 ug/l	5/04/01	HL	624
2-Chloroethylvinylether	<5 ug/l	5/04/01	HL	624
Chloroform	<1 ug/l	5/04/01	HL	624
Chloromethane	<1 ug/l	5/04/01	HL	624
Dibromochloromethane	<1 ug/l	5/04/01	HL	624
1,2-Dichlorobenzene	<1 ug/l	5/04/01	HL	624
1,3-Dichlorobenzene	<1 ug/l	5/04/01	HL	624
1,4-Dichlorobenzene	<1 ug/l	5/04/01	HL	624
1,1-Dichloroethane	<1 ug/l	5/04/01	HL	624
1,2-Dichloroethane	<1 ug/l	5/04/01	HL	624
1,1-Dichloroethylene	<1 ug/l	5/04/01	HL	624
trans-1,2-Dichloroethene	<1 ug/l	5/04/01	HL	624
1,2-Dichloropropane	<1 ug/l	5/04/01	HL	624
cis-1,3-Dichloropropene	<1 ug/l	5/04/01	HL	624
trans-1,3-Dichloropropene	<1 ug/l	5/04/01	HL	624
Ethylbenzene	<1 ug/l	5/04/01	HL	624
Methylene Chloride	<1 ug/l	5/04/01	HL	624
Naphthalene	<1 ug/l	5/04/01	HL	624
1,1,2,2-Tetrachloroethane	<1 ug/l	5/04/01	HL	624
Tetrachloroethylene	<1 ug/l	5/04/01	HL	624
Toluene	<1 ug/l	5/04/01	HL	624
1,2,4 - Trichlorobenzene	<1 ug/l	5/04/01	HL	624
1,1,1-Trichloroethane	<1 ug/l	5/04/01	HL	624

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PARAMETERS	RESULTS	DATE	TECH	METHOD
SITE #L-12, GROUND WATER, 4/24/01.				
1,1,2-Trichloroethane	<1 ug/l	5/04/01	HL	624
Trichloroethylene	<1 ug/l	5/04/01	HL	624
Trichlorofluoromethane	<1 ug/l	5/04/01	HL	624
Vinyl Chloride	<10 ug/l	5/04/01	HL	624
Total Xylenes	<1 ug/l	5/04/01	HL	624
Carbon Disulfide	<1 ug/l	5/04/01	HL	624
Vinyl Acetate	<10 ug/l	5/04/01	HL	624
Styrene	<1 ug/l	5/04/01	HL	624
Toluene D8	92 % Recovery	5/04/01	HL	624
p-Bromofluorobenzene	101 % Recovery	5/04/01	HL	624
1,2-Dichloroethane D4	103 % Recovery	5/04/01	HL	624
Dibromofluoromethane	95 % Recovery	5/04/01	HL	624
SITE #L-2, GROUND WATER, 4/24/01.				
Chloride	176.6 mg/l	4/27/01	LC	4500-CL-B
Nitrate	0.9 mg/l	4/26/01	LC	SM 4500-N03-E
Ammonia	0.3 mg/l	5/23/01	HL	4500-NH3-D
Alkalinity as CaCO3	27.5 mg CaCO3/l	5/03/01	HL	2320B
Total Dissolved Solids	382 mg/l	4/30/01	MC	2540C
Iron	0.436 mg/l	5/02/01	DK	200.7
Manganese	0.124 mg/l	5/02/01	DK	200.7
Sulfate	19.3 mg/l	4/26/01	LC	4500-SO4 D.
Sodium	87.8 mg/l	5/02/01	DK	200.7
Arsenic	<0.004 mg/l	5/04/01	NB	200.9
Barium	0.043 mg/l	5/02/01	DK	200.7
Chromium	<0.005 mg/l	5/02/01	DK	200.7
Cadmium	<0.001 mg/l	5/08/01	DK	200.7
Lead	0.007 mg/l	5/04/01	NB	SM3113B
Mercury	<0.0002 mg/l	5/04/01	DK	245.1
Selenium	<0.002 mg/l	6/05/01	NB	200.9
Silver	<0.003 mg/l	5/02/01	DK	200.7
Volatile Organics		5/04/01	HL	624

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PARAMETERS	RESULTS	DATE	TECH	METHOD
SITE #L-2, GROUND WATER, 4/24/01.				
Benzene	<1 ug/l	5/04/01	HL	624
Bromodichloromethane	<1 ug/l	5/04/01	HL	624
Bromoform	<1 ug/l	5/04/01	HL	624
Bromomethane	<5 ug/l	5/04/01	HL	624
Carbon Tetrachloride	<1 ug/l	5/04/01	HL	624
Chlorobenzene	<1 ug/l	5/04/01	HL	624
Chloroethane	<1 ug/l	5/04/01	HL	624
2-Chloroethylvinylether	<5 ug/l	5/04/01	HL	624
Chloroform	<1 ug/l	5/04/01	HL	624
Chloromethane	<1 ug/l	5/04/01	HL	624
Dibromochloromethane	<1 ug/l	5/04/01	HL	624
1,2-Dichlorobenzene	<1 ug/l	5/04/01	HL	624
1,3-Dichlorobenzene	<1 ug/l	5/04/01	HL	624
1,4-Dichlorobenzene	<1 ug/l	5/04/01	HL	624
1,1-Dichloroethane	<1 ug/l	5/04/01	HL	624
1,2-Dichloroethane	<1 ug/l	5/04/01	HL	624
1,1-Dichloroethylene	<1 ug/l	5/04/01	HL	624
trans-1,2-Dichloroethene	<1 ug/l	5/04/01	HL	624
1,2-Dichloropropane	<1 ug/l	5/04/01	HL	624
cis-1,3-Dichloropropene	<1 ug/l	5/04/01	HL	624
trans-1,3-Dichloropropene	<1 ug/l	5/04/01	HL	624
Ethylbenzene	<1 ug/l	5/04/01	HL	624
Methylene Chloride	<1 ug/l	5/04/01	HL	624
Naphthalene	<1 ug/l	5/04/01	HL	624
1,1,2,2-Tetrachloroethane	<1 ug/l	5/04/01	HL	624
Tetrachloroethylene	<1 ug/l	5/04/01	HL	624
Toluene	<1 ug/l	5/04/01	HL	624
1,2,4 - Trichlorobenzene	<1 ug/l	5/04/01	HL	624
1,1,1-Trichloroethane	<1 ug/l	5/04/01	HL	624
1,1,2-Trichloroethane	<1 ug/l	5/04/01	HL	624
Trichloroethylene	<1 ug/l	5/04/01	HL	624
Trichlorofluoromethane	<1 ug/l	5/04/01	HL	624
Vinyl Chloride	<10 ug/l	5/04/01	HL	624

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PARAMETERS	RESULTS	DATE	TECH	METHOD
SITE #L-2, GROUND WATER, 4/24/01.				
Total Xylenes	<1 ug/l	5/04/01	HL	624
Carbon Disulfide	<1 ug/l	5/04/01	HL	624
Vinyl Acetate	<10 ug/l	5/04/01	HL	624
Styrene	<1 ug/l	5/04/01	HL	624
Toluene D8	92 % Recovery	5/04/01	HL	624
p-Bromofluorobenzene	100 % Recovery	5/04/01	HL	624
1,2-Dichloroethane D4	104 % Recovery	5/04/01	HL	624
Dibromofluoromethane	93 % Recovery	5/04/01	HL	624
SITE #S-8, GROUND WATER, 4/24/01.				
Chloride	356.0 mg/l	4/27/01	LC	4500-CL-B
Nitrate	0.3 mg/l	4/26/01	LC	SM 4500-NO3-E
Ammonia	48 mg/l	5/23/01	HL	4500-NH3-D
Alkalinity as CaCO3	655 mg CaCO3/l	5/03/01	HL	2320B
Total Dissolved Solids	1206 mg/l	4/30/01	MC	2540C
Iron	146 mg/l	5/02/01	DK	200.7
Manganese	3.78 mg/l	5/02/01	DK	200.7
Sulfate	139.8 mg/l	4/26/01	LC	4500-SO4 D.
Sodium	296 mg/l	5/02/01	DK	200.7
Arsenic	0.030 mg/l	5/02/01	DK	200.7
Barium	1.01 mg/l	5/02/01	DK	200.7
Chromium	0.129 mg/l	5/02/01	DK	200.7
Cadmium	0.001 mg/l	5/08/01	DK	200.7
Lead	0.067 mg/l	5/04/01	NB	SM3113B
Mercury	<0.0002 mg/l	5/04/01	DK	245.1
Selenium	0.012 mg/l	6/05/01	NB	200.9
Silver	0.004 mg/l	5/02/01	DK	200.7
Total Phenol	0.05 mg/l	5/01/01	SUB	5530-C
Volatile Organics		5/04/01	HL	624
Benzene	5.7 ug/l	5/04/01	HL	624
Bromodichloromethane	<1 ug/l	5/04/01	HL	624
Bromoform	<1 ug/l	5/04/01	HL	624

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PARAMETERS	RESULTS	DATE	TECH	METHOD
SITE #S-8, GROUND WATER, 4/24/01.				
Bromomethane	<5 ug/l	5/04/01	HL	624
Carbon Tetrachloride	<1 ug/l	5/04/01	HL	624
Chlorobenzene	5.1 ug/l	5/04/01	HL	624
Chloroethane	2.0 ug/l	5/04/01	HL	624
2-Chloroethylvinylether	<5 ug/l	5/04/01	HL	624
Chloroform	<1 ug/l	5/04/01	HL	624
Chloromethane	<1 ug/l	5/04/01	HL	624
Dibromochloromethane	<1 ug/l	5/04/01	HL	624
1,2-Dichlorobenzene	<1 ug/l	5/04/01	HL	624
1,3-Dichlorobenzene	<1 ug/l	5/04/01	HL	624
1,4-Dichlorobenzene	<1 ug/l	5/04/01	HL	624
1,1-Dichloroethane	<1 ug/l	5/04/01	HL	624
1,2-Dichloroethane	<1 ug/l	5/04/01	HL	624
1,1-Dichloroethylene	<1 ug/l	5/04/01	HL	624
trans-1,2-Dichloroethene	<1 ug/l	5/04/01	HL	624
1,2-Dichloropropane	<1 ug/l	5/04/01	HL	624
cis-1,3-Dichloropropene	<1 ug/l	5/04/01	HL	624
trans-1,3-Dichloropropene	<1 ug/l	5/04/01	HL	624
Ethylbenzene	<1 ug/l	5/04/01	HL	624
Methylene Chloride	<1 ug/l	5/04/01	HL	624
Naphthalene	3.8 ug/l	5/04/01	HL	624
1,1,2,2-Tetrachloroethane	<1 ug/l	5/04/01	HL	624
Tetrachloroethylene	<1 ug/l	5/04/01	HL	624
Toluene	<1 ug/l	5/04/01	HL	624
1,2,4 - Trichlorobenzene	<1 ug/l	5/04/01	HL	624
1,1,1-Trichloroethane	<1 ug/l	5/04/01	HL	624
1,1,2-Trichloroethane	<1 ug/l	5/04/01	HL	624
Trichloroethylene	<1 ug/l	5/04/01	HL	624
Trichlorofluoromethane	<1 ug/l	5/04/01	HL	624
Vinyl Chloride	<10 ug/l	5/04/01	HL	624
Total Xylenes	<1 ug/l	5/04/01	HL	624
Carbon Disulfide	<1 ug/l	5/04/01	HL	624
Vinyl Acetate	<10 ug/l	5/04/01	HL	624

*** Certificate Continues On Next Page ***

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CERTIFICATE OF ANALYSIS

Date Reported: 6/18/01
Sample ID: 9928-00831
Date Received: 4/24/01
Sampled by: CUSTOMER

ACTON WATER DEPARTMENT

693 MASS AVENUE
ACTON, MA 01720

PARAMETERS	RESULTS	DATE	TECH	METHOD
SITE #S-8, GROUND WATER, 4/24/01.				
Styrene	<1 ug/l	5/04/01	HL	624
Toluene D8	93 % Recovery	5/04/01	HL	624
p-Bromofluorobenzene	99 % Recovery	5/04/01	HL	624
1,2-Dichloroethane D4	98 % Recovery	5/04/01	HL	624
Dibromofluoromethane	94 % Recovery	5/04/01	HL	624

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LABORATORY REPORT

for

Acton, Town of
472 Main Street
Engineering Department
Acton, MA 01720

Attention: Corey York

Report date: 04/22/02
Number of samples analyzed: 10
AES Project ID: 020408 A
Invoice #: 240469

ELAP ID#: 10709

AIHA ID#: 100307

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CLIENT: Acton, Town of
CLIENT'S SAMPLE ID: L-2
AES sample #: 020408 A02

Samples taken by: CY/DA
MATRIX: Ground Water

Date Sampled: 04/04/02
Date sample received: 04/08/02
Location: Forest Road LF
grab

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Vinyl Chloride	EPA-601	<1	ug/l	SO-B	04/10/02
Chloroethane	EPA-601	<1	ug/l	SO-B	04/10/02
Methylene Chloride	EPA-601	<1	ug/l	SO-B	04/10/02
Trichlorofluoromethane	EPA-601	<1	ug/l	SO-B	04/10/02
1,1-Dichloroethene	EPA-601	<1	ug/l	SO-B	04/10/02
1,1-Dichloroethane	EPA-601	<1	ug/l	SO-B	04/10/02
Total 1,2 Dichloroethene	EPA-601	<1	ug/l	SO-B	04/10/02
Chloroform	EPA-601	<1	ug/l	SO-B	04/10/02
1,2 Dichloroethane	EPA-601	<1	ug/l	SO-B	04/10/02
1,1,1-Trichloroethane	EPA-601	<1	ug/l	SO-B	04/10/02
Carbon Tetrachloride	EPA-601	<1	ug/l	SO-B	04/10/02
Bromodichloromethane	EPA-601	<1	ug/l	SO-B	04/10/02
1,2-Dichloropropane	EPA-601	<1	ug/l	SO-B	04/10/02
t-1,3-Dichloropropene	EPA-601	<1	ug/l	SO-B	04/10/02
Trichloroethylene	EPA-601	<1	ug/l	SO-B	04/10/02
Dibromochloromethane	EPA-601	<1	ug/l	SO-B	04/10/02
1,1,2-Trichloroethane	EPA-601	<1	ug/l	SO-B	04/10/02
cis-1,3-Dichloropropene	EPA-601	<1	ug/l	SO-B	04/10/02
2-Chloroethylvinylether	EPA-601	<1	ug/l	SO-B	04/10/02
Bromoform	EPA-601	<1	ug/l	SO-B	04/10/02

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CLIENT: Acton, Town of
CLIENT'S SAMPLE ID: L-2
AES sample #: 020408 A02

Samples taken by: CY/DA
MATRIX: Ground Water

Date Sampled: 04/04/02
Date sample received: 04/08/02
Location: Forest Road LF
grab

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
1,1,2,2-Tetrachloroethane	EPA-601	<1	ug/l	SO-B	04/10/02
Tetrachloroethylene	EPA-601	<1	ug/l	SO-B	04/10/02
Benzene	EPA-602	<0.5	ug/l	SO-B	04/10/02
Toluene	EPA-602	<1	ug/l	SO-B	04/10/02
Ethylbenzene	EPA-602	<1	ug/l	SO-B	04/10/02
Chlorobenzene	EPA-602	<1	ug/l	SO-B	04/10/02
1,4-Dichlorobenzene	EPA-602	<1	ug/l	SO-B	04/10/02
1,3-Dichlorobenzene	EPA-602	<1	ug/l	SO-B	04/10/02
1,2-Dichlorobenzene	EPA-602	<1	ug/l	SO-B	04/10/02
Xylenes, Total	EPA-602	<1	ug/l	SO-B	04/10/02

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CLIENT: Acton, Town of
CLIENT'S SAMPLE ID: L-12
AES sample #: 020408 A03

Samples taken by: CY/DA
MATRIX: Ground Water

Date Sampled: 04/04/02
Date sample received: 04/08/02
Location: Forest Road LF
grab

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Alkalinity, as CaCO3	EPA-310.1	650	mg/l	LS-N-5	04/15/02
Chloride	EPA-300.0	69	mg/l	SH-ICH-19	04/17/02
Total Dissolved Solids	EPA-160.1	530	mg/l	LS-D-39	04/12/02
Sulfate	EPA-300.0	<2	mg/l	SH-IC-H-18	04/12/02
Nitrate-N	EPA-353.1	0.03	mg/l	PL-K	04/09/02
Ammonia-N	EPA-350.1	19	mg/l	KS-L	04/16/02
Iron	EPA-200.7	70.5	mg/l	SM-I-4D-28	04/19/02
Manganese	EPA-200.7	1.16	mg/l	SM-I-4D-28	04/19/02
Sodium	EPA-200.7	62.6	mg/l	SM-I-4D-28	04/19/02
Arsenic	EPA-200.7	0.13	mg/l	SM-I-4D-28	04/19/02
Barium	EPA-200.7	0.20	mg/l	SM-I-4D-28	04/19/02
Cadmium	EPA-200.7	<0.005	mg/l	SM-I-4D-28	04/19/02
Chromium	EPA-200.7	<0.005	mg/l	SM-I-4D-28	04/19/02
Lead	EPA-200.7	<0.005	mg/l	SM-I-4D-28	04/19/02
Mercury	EPA-245.1	<0.0004	mg/l	SM-HG-A-89	04/09/02
Selenium	EPA-200.7	<0.005	mg/l	SM-I-4D-28	04/19/02
Silver	EPA-200.7	<0.02	mg/l	SM-I-4D-28	04/19/02
Chloromethane	EPA-601	<1	ug/l	SO-D	04/11/02
Bromomethane	EPA-601	<1	ug/l	SO-D	04/11/02
Dichlorodifluoromethane	EPA-601	6	ug/l	SO-D	04/11/02

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CLIENT: Acton, Town of
CLIENT'S SAMPLE ID: L-12
AES sample #: 020408 A03

Samples taken by: CY/DA
MATRIX: Ground Water

Date Sampled: 04/04/02
Date sample received: 04/08/02
Location: Forest Road LF
grab

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Vinyl Chloride	EPA-601	<1	ug/l	SO-D	04/11/02
Chloroethane	EPA-601	2	ug/l	SO-D	04/11/02
Methylene Chloride	EPA-601	<1	ug/l	SO-D	04/11/02
Trichlorofluoromethane	EPA-601	<1	ug/l	SO-D	04/11/02
1,1-Dichloroethene	EPA-601	<1	ug/l	SO-D	04/11/02
1,1-Dichloroethane	EPA-601	<1	ug/l	SO-D	04/11/02
Total 1,2 Dichloroethene	EPA-601	<1	ug/l	SO-D	04/11/02
Chloroform	EPA-601	<1	ug/l	SO-D	04/11/02
1,2 Dichloroethane	EPA-601	<1	ug/l	SO-D	04/11/02
1,1,1-Trichloroethane	EPA-601	<1	ug/l	SO-D	04/11/02
Carbon Tetrachloride	EPA-601	<1	ug/l	SO-D	04/11/02
Bromodichloromethane	EPA-601	<1	ug/l	SO-D	04/11/02
1,2-Dichloropropane	EPA-601	<1	ug/l	SO-D	04/11/02
t-1,3-Dichloropropene	EPA-601	<1	ug/l	SO-D	04/11/02
Trichloroethylene	EPA-601	<1	ug/l	SO-D	04/11/02
Dibromochloromethane	EPA-601	<1	ug/l	SO-D	04/11/02
1,1,2-Trichloroethane	EPA-601	<1	ug/l	SO-D	04/11/02
cis-1,3-Dichloropropene	EPA-601	<1	ug/l	SO-D	04/11/02
2-Chloroethylvinylether	EPA-601	<1	ug/l	SO-D	04/11/02
Bromoform	EPA-601	<1	ug/l	SO-D	04/11/02

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CLIENT: Acton, Town of
CLIENT'S SAMPLE ID: L-12
AES sample #: 020408 A03

Samples taken by: CY/DA
MATRIX: Ground Water

Date Sampled: 04/04/02
Date sample received: 04/08/02
Location: Forest Road LF
grab

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
1,1,2,2-Tetrachloroethane	EPA-601	<1	ug/l	SO-D	04/11/02
Tetrachloroethylene	EPA-601	<1	ug/l	SO-D	04/11/02
Benzene	EPA-602	2	ug/l	SO-D	04/11/02
Toluene	EPA-602	<1	ug/l	SO-D	04/11/02
Ethylbenzene	EPA-602	<1	ug/l	SO-D	04/11/02
Chlorobenzene	EPA-602	38	ug/l	SO-D	04/11/02
1,4-Dichlorobenzene	EPA-602	2	ug/l	SO-D	04/11/02
1,3-Dichlorobenzene	EPA-602	<1	ug/l	SO-D	04/11/02
1,2-Dichlorobenzene	EPA-602	1	ug/l	SO-D	04/11/02
Xylenes, Total	EPA-602	<1	ug/l	SO-D	04/11/02

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CLIENT: Acton, Town of
CLIENT'S SAMPLE ID: S-8
AES sample #: 020408 A04

Samples taken by: CY/DA
MATRIX: Ground Water

Date Sampled: 04/04/02
Date sample received: 04/08/02
Location: Forest Road LF
grab

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Alkalinity, as CaCO3	EPA-310.1	25	mg/l	LS-N-5	04/15/02
Chloride	EPA-300.0	105	mg/l	SH-ICH-19	04/17/02
Total Dissolved Solids	EPA-160.1	240	mg/l	LS-D-39	04/12/02
Sulfate	EPA-300.0	10	mg/l	SH-IC-H-18	04/12/02
Nitrate-N	EPA-353.1	1.10	mg/l	PL-K	04/09/02
Ammonia-N	EPA-350.1	<0.1	mg/l	PL-L	04/09/02
Iron	EPA-200.7	0.50	mg/l	SM-I-4D-28	04/19/02
Manganese	EPA-200.7	0.14	mg/l	SM-I-4D-28	04/19/02
Sodium	EPA-200.7	53.0	mg/l	SM-I-4D-28	04/19/02
Arsenic	EPA-200.7	<0.005	mg/l	SM-I-4D-28	04/19/02
Barium	EPA-200.7	0.04	mg/l	SM-I-4D-28	04/19/02
Cadmium	EPA-200.7	<0.005	mg/l	SM-I-4D-28	04/19/02
Chromium	EPA-200.7	<0.005	mg/l	SM-I-4D-28	04/19/02
Lead	EPA-200.7	<0.005	mg/l	SM-I-4D-28	04/19/02
Mercury	EPA-245.1	<0.0004	mg/l	SM-HG-A-89	04/09/02
Selenium	EPA-200.7	<0.005	mg/l	SM-I-4D-28	04/19/02
Silver	EPA-200.7	<0.02	mg/l	SM-I-4D-28	04/19/02
Chloromethane	EPA-601	<1	ug/l	SO-B	04/10/02
Bromomethane	EPA-601	<1	ug/l	SO-B	04/10/02
Dichlorodifluoromethane	EPA-601	<1	ug/l	SO-B	04/10/02

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CLIENT: Acton, Town of
CLIENT'S SAMPLE ID: S-8
AES sample #: 020408 A04

Date Sampled: 04/04/02
Date sample received: 04/08/02

Samples taken by: CY/DA
MATRIX: Ground Water

Location: Forest Road LF
grab

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Vinyl Chloride	EPA-601	<1	ug/l	SO-B	04/10/02
Chloroethane	EPA-601	<1	ug/l	SO-B	04/10/02
Methylene Chloride	EPA-601	<1	ug/l	SO-B	04/10/02
Trichlorofluoromethane	EPA-601	<1	ug/l	SO-B	04/10/02
1,1-Dichloroethene	EPA-601	<1	ug/l	SO-B	04/10/02
1,1-Dichloroethane	EPA-601	<1	ug/l	SO-B	04/10/02
Total 1,2 Dichloroethene	EPA-601	<1	ug/l	SO-B	04/10/02
Chloroform	EPA-601	<1	ug/l	SO-B	04/10/02
1,2 Dichloroethane	EPA-601	<1	ug/l	SO-B	04/10/02
1,1,1-Trichloroethane	EPA-601	<1	ug/l	SO-B	04/10/02
Carbon Tetrachloride	EPA-601	<1	ug/l	SO-B	04/10/02
Bromodichloromethane	EPA-601	<1	ug/l	SO-B	04/10/02
1,2-Dichloropropane	EPA-601	<1	ug/l	SO-B	04/10/02
t-1,3-Dichloropropene	EPA-601	<1	ug/l	SO-B	04/10/02
Trichloroethylene	EPA-601	<1	ug/l	SO-B	04/10/02
Dibromochloromethane	EPA-601	<1	ug/l	SO-B	04/10/02
1,1,2-Trichloroethane	EPA-601	<1	ug/l	SO-B	04/10/02
cis-1,3-Dichloropropene	EPA-601	<1	ug/l	SO-B	04/10/02
2-Chloroethylvinylether	EPA-601	<1	ug/l	SO-B	04/10/02
Bromoform	EPA-601	<1	ug/l	SO-B	04/10/02

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CLIENT: Acton, Town of
CLIENT'S SAMPLE ID: S-8
AES sample #: 020408 A04

Samples taken by: CY/DA
MATRIX: Ground Water

Date Sampled: 04/04/02
Date sample received: 04/08/02
Location: Forest Road LF
grab

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
1,1,2,2-Tetrachloroethane	EPA-601	<1	ug/l	SO-B	04/10/02
Tetrachloroethylene	EPA-601	<1	ug/l	SO-B	04/10/02
Benzene	EPA-602	<0.5	ug/l	SO-B	04/10/02
Toluene	EPA-602	<1	ug/l	SO-B	04/10/02
Ethylbenzene	EPA-602	<1	ug/l	SO-B	04/10/02
Chlorobenzene	EPA-602	<1	ug/l	SO-B	04/10/02
1,4-Dichlorobenzene	EPA-602	<1	ug/l	SO-B	04/10/02
1,3-Dichlorobenzene	EPA-602	<1	ug/l	SO-B	04/10/02
1,2-Dichlorobenzene	EPA-602	<1	ug/l	SO-B	04/10/02
Xylenes, Total	EPA-602	<1	ug/l	SO-B	04/10/02

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CLIENT: Acton, Town of
CLIENT'S SAMPLE ID: L-15
AES sample #: 020408 A05

Samples taken by: CY/DA
MATRIX: Ground Water

Date Sampled: 04/05/02
Date sample received: 04/08/02
Location: Forest Road LF
grab

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Alkalinity, as CaCO3	EPA-310.1	320	mg/l	LS-N-5	04/15/02
Chloride	EPA-300.0	104	mg/l	SH-ICH-19	04/17/02
Total Dissolved Solids	EPA-160.1	375	mg/l	LS-D-39	04/12/02
Sulfate	EPA-300.0	4.6	mg/l	SH-ICH-19	04/17/02
Nitrate-N	EPA-353.1	1.05	mg/l	PL-K	04/09/02
Ammonia-N	EPA-350.1	8.1	mg/l	KS-L	04/16/02
Iron	EPA-200.7	50.6	mg/l	SM-I-4D-28	04/19/02
Manganese	EPA-200.7	1.24	mg/l	SM-I-4D-28	04/19/02
Sodium	EPA-200.7	64.8	mg/l	SM-I-4D-28	04/19/02
Arsenic	EPA-200.7	0.047	mg/l	SM-I-4D-28	04/19/02
Barium	EPA-200.7	0.32	mg/l	SM-I-4D-28	04/19/02
Cadmium	EPA-200.7	<0.005	mg/l	SM-I-4D-28	04/19/02
Chromium	EPA-200.7	<0.005	mg/l	SM-I-4D-28	04/19/02
Lead	EPA-200.7	<0.005	mg/l	SM-I-4D-28	04/19/02
Mercury	EPA-245.1	<0.0004	mg/l	SM-HG-A-89	04/09/02
Selenium	EPA-200.7	<0.005	mg/l	SM-I-4D-28	04/19/02
Silver	EPA-200.7	<0.02	mg/l	SM-I-4D-28	04/19/02
Chloromethane	EPA-601	<1	ug/l	SO-D	04/11/02
Bromomethane	EPA-601	<1	ug/l	SO-D	04/11/02
Dichlorodifluoromethane	EPA-601	3	ug/l	SO-D	04/11/02

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CLIENT: Acton, Town of
CLIENT'S SAMPLE ID: L-15
AES sample #: 020408 A05

Date Sampled: 04/05/02
Date sample received: 04/08/02

Samples taken by: CY/DA
MATRIX: Ground Water

Location: Forest Road LF
grab

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Vinyl Chloride	EPA-601	<1	ug/l	SO-D	04/11/02
Chloroethane	EPA-601	<1	ug/l	SO-D	04/11/02
Methylene Chloride	EPA-601	<1	ug/l	SO-D	04/11/02
Trichlorofluoromethane	EPA-601	<1	ug/l	SO-D	04/11/02
1,1-Dichloroethene	EPA-601	<1	ug/l	SO-D	04/11/02
1,1-Dichloroethane	EPA-601	<1	ug/l	SO-D	04/11/02
Total 1,2 Dichloroethene	EPA-601	<1	ug/l	SO-D	04/11/02
Chloroform	EPA-601	<1	ug/l	SO-D	04/11/02
1,2 Dichloroethane	EPA-601	<1	ug/l	SO-D	04/11/02
1,1,1-Trichloroethane	EPA-601	<1	ug/l	SO-D	04/11/02
Carbon Tetrachloride	EPA-601	<1	ug/l	SO-D	04/11/02
Bromodichloromethane	EPA-601	<1	ug/l	SO-D	04/11/02
1,2-Dichloropropane	EPA-601	<1	ug/l	SO-D	04/11/02
t-1,3-Dichloropropene	EPA-601	<1	ug/l	SO-D	04/11/02
Trichloroethylene	EPA-601	<1	ug/l	SO-D	04/11/02
Dibromochloromethane	EPA-601	<1	ug/l	SO-D	04/11/02
1,1,2-Trichloroethane	EPA-601	<1	ug/l	SO-D	04/11/02
cis-1,3-Dichloropropene	EPA-601	<1	ug/l	SO-D	04/11/02
2-Chloroethylvinylether	EPA-601	<1	ug/l	SO-D	04/11/02
Bromoform	EPA-601	<1	ug/l	SO-D	04/11/02

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CLIENT: Acton, Town of
CLIENT'S SAMPLE ID: L-15
AES sample #: 020408 A05

Samples taken by: CY/DA
MATRIX: Ground Water

Date Sampled: 04/05/02
Date sample received: 04/08/02
Location: Forest Road LF
grab

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
1,1,2,2-Tetrachloroethane	EPA-601	<1	ug/l	SO-D	04/11/02
Tetrachloroethylene	EPA-601	<1	ug/l	SO-D	04/11/02
Benzene	EPA-602	1	ug/l	SO-D	04/11/02
Toluene	EPA-602	<1	ug/l	SO-D	04/11/02
Ethylbenzene	EPA-602	<1	ug/l	SO-D	04/11/02
Chlorobenzene	EPA-602	1	ug/l	SO-D	04/11/02
1,4-Dichlorobenzene	EPA-602	<1	ug/l	SO-D	04/11/02
1,3-Dichlorobenzene	EPA-602	<1	ug/l	SO-D	04/11/02
1,2-Dichlorobenzene	EPA-602	<1	ug/l	SO-D	04/11/02
Xylenes, Total	EPA-602	<1	ug/l	SO-D	04/11/02
Phenols, Total	EPA-420.1	0.005	mg/l	LS-B-35	04/16/02

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CLIENT: Acton, Town of
CLIENT'S SAMPLE ID: L-14
AES sample #: 020408 A06

Samples taken by: CY/DA
MATRIX: Ground Water

Date Sampled: 04/05/02
Date sample received: 04/08/02
Location: Forest Road LF
grab

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Alkalinity, as CaCO3	EPA-310.1	45	mg/l	LS-N-5	04/15/02
Chloride	EPA-300.0	25	mg/l	SH-ICH-19	04/17/02
Total Dissolved Solids	EPA-160.1	140	mg/l	LS-D-39	04/12/02
Sulfate	EPA-300.0	13	mg/l	SH-ICH-19	04/17/02
Nitrate-N	EPA-353.1	2.5	mg/l	PL-K	04/15/02
Ammonia-N	EPA-350.1	<0.1	mg/l	PL-L	04/09/02
Iron	EPA-200.7	3.65	mg/l	SM-I-4D-28	04/19/02
Manganese	EPA-200.7	0.08	mg/l	SM-I-4D-28	04/19/02
Sodium	EPA-200.7	38.9	mg/l	SM-I-4D-28	04/19/02
Arsenic	EPA-200.7	<0.005	mg/l	SM-I-4D-28	04/19/02
Barium	EPA-200.7	0.02	mg/l	SM-I-4D-28	04/19/02
Cadmium	EPA-200.7	<0.005	mg/l	SM-I-4D-28	04/19/02
Chromium	EPA-200.7	0.022	mg/l	SM-I-4D-28	04/19/02
Lead	EPA-200.7	<0.005	mg/l	SM-I-4D-28	04/19/02
Mercury	EPA-245.1	<0.0004	mg/l	SM-HG-A-89	04/09/02
Selenium	EPA-200.7	<0.005	mg/l	SM-I-4D-28	04/19/02
Silver	EPA-200.7	<0.02	mg/l	SM-I-4D-28	04/19/02
Chloromethane	EPA-601	<1	ug/l	SO-B	04/10/02
Bromomethane	EPA-601	<1	ug/l	SO-B	04/10/02
Dichlorodifluoromethane	EPA-601	<1	ug/l	SO-B	04/10/02

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CLIENT: Acton, Town of
CLIENT'S SAMPLE ID: L-14
AES sample #: 020408 A06

Samples taken by: CY/DA
MATRIX: Ground Water

Date Sampled: 04/05/02
Date sample received: 04/08/02
Location: Forest Road LF
grab

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Vinyl Chloride	EPA-601	<1	ug/l	SO-B	04/10/02
Chloroethane	EPA-601	<1	ug/l	SO-B	04/10/02
Methylene Chloride	EPA-601	<1	ug/l	SO-B	04/10/02
Trichlorofluoromethane	EPA-601	<1	ug/l	SO-B	04/10/02
1,1-Dichloroethene	EPA-601	<1	ug/l	SO-B	04/10/02
1,1-Dichloroethane	EPA-601	<1	ug/l	SO-B	04/10/02
Total 1,2 Dichloroethene	EPA-601	<1	ug/l	SO-B	04/10/02
Chloroform	EPA-601	<1	ug/l	SO-B	04/10/02
1,2 Dichloroethane	EPA-601	<1	ug/l	SO-B	04/10/02
1,1,1-Trichloroethane	EPA-601	<1	ug/l	SO-B	04/10/02
Carbon Tetrachloride	EPA-601	<1	ug/l	SO-B	04/10/02
Bromodichloromethane	EPA-601	<1	ug/l	SO-B	04/10/02
1,2-Dichloropropane	EPA-601	<1	ug/l	SO-B	04/10/02
t-1,3-Dichloropropene	EPA-601	<1	ug/l	SO-B	04/10/02
Trichloroethylene	EPA-601	<1	ug/l	SO-B	04/10/02
Dibromochloromethane	EPA-601	<1	ug/l	SO-B	04/10/02
1,1,2-Trichloroethane	EPA-601	<1	ug/l	SO-B	04/10/02
cis-1,3-Dichloropropene	EPA-601	<1	ug/l	SO-B	04/10/02
2-Chloroethylvinylether	EPA-601	<1	ug/l	SO-B	04/10/02
Bromoform	EPA-601	<1	ug/l	SO-B	04/10/02

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CLIENT: Acton, Town of
CLIENT'S SAMPLE ID: L-14
AES sample #: 020408 A06

Date Sampled: 04/05/02
Date sample received: 04/08/02

Samples taken by: CY/DA
MATRIX: Ground Water

Location: Forest Road LF
grab

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
1,1,2,2-Tetrachloroethane	EPA-601	<1	ug/l	SO-B	04/10/02
Tetrachloroethylene	EPA-601	<1	ug/l	SO-B	04/10/02
Benzene	EPA-602	<0.5	ug/l	SO-B	04/10/02
Toluene	EPA-602	<1	ug/l	SO-B	04/10/02
Ethylbenzene	EPA-602	<1	ug/l	SO-B	04/10/02
Chlorobenzene	EPA-602	<1	ug/l	SO-B	04/10/02
1,4-Dichlorobenzene	EPA-602	<1	ug/l	SO-B	04/10/02
1,3-Dichlorobenzene	EPA-602	<1	ug/l	SO-B	04/10/02
1,2-Dichlorobenzene	EPA-602	<1	ug/l	SO-B	04/10/02
Xylenes, Total	EPA-602	<1	ug/l	SO-B	04/10/02
Phenols, Total	EPA-420.1	<0.002	mg/l	LS-B-35	04/16/02

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CLIENT: Acton, Town of
CLIENT'S SAMPLE ID: L-13
AES sample #: 020408 A07

Samples taken by: CY/DA
MATRIX: Ground Water

Date Sampled: 04/05/02
Date sample received: 04/08/02
Location: Forest Road LF
grab

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Alkalinity, as CaCO3	EPA-310.1	890	mg/l	LS-N-5	04/15/02
Chloride	EPA-300.0	128	mg/l	SH-ICH-19	04/17/02
Total Dissolved Solids	EPA-160.1	908	mg/l	LS-D-39	04/12/02
Sulfate	EPA-300.0	5.4	mg/l	SH-ICH-19	04/17/02
Nitrate-N	EPA-353.1	0.12	mg/l	PL-K	04/09/02
Ammonia-N	EPA-350.1	44	mg/l	KS-L	04/16/02
Iron	EPA-200.7	108	mg/l	SM-I-4D-28	04/19/02
Manganese	EPA-200.7	4.47	mg/l	SM-I-4D-28	04/19/02
Sodium	EPA-200.7	96.3	mg/l	SM-I-4D-28	04/19/02
Arsenic	EPA-200.7	<0.005	mg/l	SM-I-4D-28	04/19/02
Barium	EPA-200.7	0.93	mg/l	SM-I-4D-28	04/19/02
Cadmium	EPA-200.7	<0.005	mg/l	SM-I-4D-28	04/19/02
Chromium	EPA-200.7	<0.005	mg/l	SM-I-4D-28	04/19/02
Lead	EPA-200.7	<0.005	mg/l	SM-I-4D-28	04/19/02
Mercury	EPA-245.1	<0.0004	mg/l	SM-HG-A-89	04/09/02
Selenium	EPA-200.7	<0.005	mg/l	SM-I-4D-28	04/19/02
Silver	EPA-200.7	<0.02	mg/l	SM-I-4D-28	04/19/02
Chloromethane	EPA-601	<1	ug/l	SO-D	04/11/02
Bromomethane	EPA-601	<1	ug/l	SO-D	04/11/02
Dichlorodifluoromethane	EPA-601	7	ug/l	SO-D	04/11/02

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CLIENT: Acton, Town of
CLIENT'S SAMPLE ID: L-13
AES sample #: 020408 A07

Date Sampled: 04/05/02
Date sample received: 04/08/02
Samples taken by: CY/DA
Location: Forest Road LF
MATRIX: Ground Water
grab

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Vinyl Chloride	EPA-601	<1	ug/l	SO-D	04/11/02
Chloroethane	EPA-601	<1	ug/l	SO-D	04/11/02
Methylene Chloride	EPA-601	<1	ug/l	SO-D	04/11/02
Trichlorofluoromethane	EPA-601	<1	ug/l	SO-D	04/11/02
1,1-Dichloroethene	EPA-601	<1	ug/l	SO-D	04/11/02
1,1-Dichloroethane	EPA-601	<1	ug/l	SO-D	04/11/02
Total 1,2 Dichloroethene	EPA-601	<1	ug/l	SO-D	04/11/02
Chloroform	EPA-601	<1	ug/l	SO-D	04/11/02
1,2 Dichloroethane	EPA-601	<1	ug/l	SO-D	04/11/02
1,1,1-Trichloroethane	EPA-601	<1	ug/l	SO-D	04/11/02
Carbon Tetrachloride	EPA-601	<1	ug/l	SO-D	04/11/02
Bromodichloromethane	EPA-601	<1	ug/l	SO-D	04/11/02
1,2-Dichloropropane	EPA-601	<1	ug/l	SO-D	04/11/02
t-1,3-Dichloropropene	EPA-601	<1	ug/l	SO-D	04/11/02
Trichloroethylene	EPA-601	<1	ug/l	SO-D	04/11/02
Dibromochloromethane	EPA-601	<1	ug/l	SO-D	04/11/02
1,1,2-Trichloroethane	EPA-601	<1	ug/l	SO-D	04/11/02
cis-1,3-Dichloropropene	EPA-601	<1	ug/l	SO-D	04/11/02
2-Chloroethylvinylether	EPA-601	<1	ug/l	SO-D	04/11/02
Bromoform	EPA-601	<1	ug/l	SO-D	04/11/02

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CLIENT: Acton, Town of
CLIENT'S SAMPLE ID: L-13
AES sample #: 020408 A07

Samples taken by: CY/DA
MATRIX: Ground Water

Date Sampled: 04/05/02
Date sample received: 04/08/02
Location: Forest Road LF
grab

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
1,1,2,2-Tetrachloroethane	EPA-601	<1	ug/l	SO-D	04/11/02
Tetrachloroethylene	EPA-601	<1	ug/l	SO-D	04/11/02
Benzene	EPA-602	3	ug/l	SO-D	04/11/02
Toluene	EPA-602	<1	ug/l	SO-D	04/11/02
Ethylbenzene	EPA-602	<1	ug/l	SO-D	04/11/02
Chlorobenzene	EPA-602	1	ug/l	SO-D	04/11/02
1,4-Dichlorobenzene	EPA-602	<1	ug/l	SO-D	04/11/02
1,3-Dichlorobenzene	EPA-602	<1	ug/l	SO-D	04/11/02
1,2-Dichlorobenzene	EPA-602	<1	ug/l	SO-D	04/11/02
Xylenes, Total	EPA-602	<1	ug/l	SO-D	04/11/02
Phenols, Total	EPA-420.1	0.004	mg/l	LS-B-35	04/16/02

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CLIENT: Acton, Town of
CLIENT'S SAMPLE ID: Lot#0203/Trip Blank
AES sample #: 020408 A08 Samples taken by: CY/DA
MATRIX: Water

Date Sampled: 04/05/02
Date sample received: 04/08/02
Location: Forest Road LF
grab

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Chloromethane	EPA-601	<1	ug/l	SO-B	04/10/02
Bromomethane	EPA-601	<1	ug/l	SO-B	04/10/02
Dichlorodifluoromethane	EPA-601	<1	ug/l	SO-B	04/10/02
Vinyl Chloride	EPA-601	<1	ug/l	SO-B	04/10/02
Chloroethane	EPA-601	<1	ug/l	SO-B	04/10/02
Methylene Chloride	EPA-601	<1	ug/l	SO-B	04/10/02
Trichlorofluoromethane	EPA-601	<1	ug/l	SO-B	04/10/02
1,1-Dichloroethene	EPA-601	<1	ug/l	SO-B	04/10/02
1,1-Dichloroethane	EPA-601	<1	ug/l	SO-B	04/10/02
Total 1,2 Dichloroethene	EPA-601	<1	ug/l	SO-B	04/10/02
Chloroform	EPA-601	<1	ug/l	SO-B	04/10/02
1,2 Dichloroethane	EPA-601	<1	ug/l	SO-B	04/10/02
1,1,1-Trichloroethane	EPA-601	<1	ug/l	SO-B	04/10/02
Carbon Tetrachloride	EPA-601	<1	ug/l	SO-B	04/10/02
Bromodichloromethane	EPA-601	<1	ug/l	SO-B	04/10/02
1,2-Dichloropropane	EPA-601	<1	ug/l	SO-B	04/10/02
t-1,3-Dichloropropene	EPA-601	<1	ug/l	SO-B	04/10/02
Trichloroethylene	EPA-601	<1	ug/l	SO-B	04/10/02
Dibromochloromethane	EPA-601	<1	ug/l	SO-B	04/10/02
1,1,2-Trichloroethane	EPA-601	<1	ug/l	SO-B	04/10/02

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CLIENT: Acton, Town of
CLIENT'S SAMPLE ID: Lot#0203/Trip Blank
AES sample #: 020408 A08
Samples taken by: CY/DA
MATRIX: Water
Date Sampled: 04/05/02
Date sample received: 04/08/02
Location: Forest Road LF
grab

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
cis-1,3-Dichloropropene	EPA-601	<1	ug/l	SO-B	04/10/02
2-Chloroethylvinylether	EPA-601	<1	ug/l	SO-B	04/10/02
Bromoform	EPA-601	<1	ug/l	SO-B	04/10/02
1,1,2,2-Tetrachloroethane	EPA-601	<1	ug/l	SO-B	04/10/02
Tetrachloroethylene	EPA-601	<1	ug/l	SO-B	04/10/02
Benzene	EPA-602	<0.5	ug/l	SO-B	04/10/02
Toluene	EPA-602	<1	ug/l	SO-B	04/10/02
Ethylbenzene	EPA-602	<1	ug/l	SO-B	04/10/02
Chlorobenzene	EPA-602	<1	ug/l	SO-B	04/10/02
1,4-Dichlorobenzene	EPA-602	<1	ug/l	SO-B	04/10/02
1,3-Dichlorobenzene	EPA-602	<1	ug/l	SO-B	04/10/02
1,2-Dichlorobenzene	EPA-602	<1	ug/l	SO-B	04/10/02
Xylenes, Total	EPA-602	<1	ug/l	SO-B	04/10/02

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CLIENT: Acton, Town of
CLIENT'S SAMPLE ID: Precision
AES sample #: 020408 A09
Samples taken by: CY/DA
MATRIX: Water
Date Sampled: 04/05/02
Date sample received: 04/08/02
Location: Forest Road LF grab

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Alkalinity, as CaCO3	EPA-310.1	5.8	%	LS-N-5	04/15/02
Total Dissolved Solids	EPA-160.1	2.2	%	LS-D-39	04/12/02
Sulfate	EPA-300.0	<1	%	SH-ICH-19	04/17/02
Nitrate-N	EPA-353.1	2.8	%	PL-K	04/09/02
Ammonia-N	EPA-350.1	1	%	PL-L	04/09/02
Chloride	EPA-300.0	3.2	%	SH-ICH-19	04/17/02
Phenols, Total	EPA-420.1	<1	%	LS-B-35	04/16/02
Arsenic	EPA-200.7	3.0	%	SM-I-4D-28	04/19/02
Barium	EPA-200.7	3.0	%	SM-I-4D-28	04/19/02
Cadmium	EPA-200.7	ND	%	SM-I-4D-28	04/19/02
Chromium	EPA-200.7	ND	%	SM-I-4D-28	04/19/02
Lead	EPA-200.7	ND	%	SM-I-4D-28	04/19/02
Mercury	EPA-245.1	ND	%	SM-HG-A-89	04/09/02
Selenium	EPA-200.7	ND	%	SM-I-4D-28	04/19/02
Silver	EPA-200.7	ND	%	SM-I-4D-28	04/19/02
Sodium	EPA-200.7	6.0	%	SM-I-4D-28	04/19/02
Iron	EPA-200.7	3.0	%	SM-I-4D-28	04/19/02
Manganese	EPA-200.7	3.0	%	SM-I-4D-28	04/19/02
Chloromethane	EPA-601	ND	%	SO-D	04/11/02
Bromomethane	EPA-601	ND	%	SO-D	04/11/02

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CLIENT: Acton, Town of
CLIENT'S SAMPLE ID: Precision
AES sample #: 020408 A09
Samples taken by: CY/DA
MATRIX: Water
Date Sampled: 04/05/02
Date sample received: 04/08/02
Location: Forest Road LF
grab

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Dichlorodifluoromethane	EPA-601	ND	%	SO-D	04/11/02
Vinyl Chloride	EPA-601	ND	%	SO-D	04/11/02
Chloroethane	EPA-601	ND	%	SO-D	04/11/02
Methylene Chloride	EPA-601	ND	%	SO-D	04/11/02
Trichlorofluoromethane	EPA-601	ND	%	SO-D	04/11/02
1,1-Dichloroethene	EPA-601	2	%	SO-D	04/11/02
1,1-Dichloroethane	EPA-601	ND	%	SO-D	04/11/02
Total 1,2 Dichloroethene	EPA-601	ND	%	SO-D	04/11/02
Chloroform	EPA-601	ND	%	SO-D	04/11/02
1,2 Dichloroethane	EPA-601	ND	%	SO-D	04/11/02
1,1,1-Trichloroethane	EPA-601	ND	%	SO-D	04/11/02
Carbon Tetrachloride	EPA-601	ND	%	SO-D	04/11/02
Bromodichloromethane	EPA-601	ND	%	SO-D	04/11/02
1,2-Dichloropropane	EPA-601	ND	%	SO-D	04/11/02
t-1,3-Dichloropropene	EPA-601	ND	%	SO-D	04/11/02
Trichloroethylene	EPA-601	3	%	SO-D	04/11/02
Dibromochloromethane	EPA-601	ND	%	SO-D	04/11/02
1,1,2-Trichloroethane	EPA-601	ND	%	SO-D	04/11/02
cis-1,3-Dichloropropene	EPA-601	ND	%	SO-D	04/11/02
2-Chloroethylvinylether	EPA-601	ND	%	SO-D	04/11/02

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CLIENT: Acton, Town of
CLIENT'S SAMPLE ID: Precision
AES sample #: 020408 A09
Samples taken by: CY/DA
MATRIX: Water
Date Sampled: 04/05/02
Date sample received: 04/08/02
Location: Forest Road LF
grab

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Bromoform	EPA-601	ND	%	SO-D	04/11/02
1,1,2,2-Tetrachloroethane	EPA-601	ND	%	SO-D	04/11/02
Tetrachloroethylene	EPA-601	ND	%	SO-D	04/11/02
Benzene	EPA-602	2	%	SO-D	04/11/02
Toluene	EPA-602	1	%	SO-D	04/11/02
Ethylbenzene	EPA-602	ND	%	SO-D	04/11/02
Chlorobenzene	EPA-602	1	%	SO-D	04/11/02
1,4-Dichlorobenzene	EPA-602	ND	%	SO-D	04/11/02
1,3-Dichlorobenzene	EPA-602	ND	%	SO-D	04/11/02
1,2-Dichlorobenzene	EPA-602	ND	%	SO-D	04/11/02
Xylenes, Total	EPA-602	ND	%	SO-D	04/11/02

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CLIENT: Acton, Town of
CLIENT'S SAMPLE ID: Accuracy
AES sample #: 020408 A10
Samples taken by: CY/DA
MATRIX: Water
Date Sampled: 04/05/02
Date sample received: 04/08/02
Location: Forest Road LF
grab

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Alkalinity, as CaCO3	EPA-310.1	101	%	LS-N-5	04/15/02
Total Dissolved Solids	EPA-160.1	101	%	LS-D-39	04/12/02
Sulfate	EPA-300.0	97	%	SH-ICH-19	04/17/02
Nitrate-N	EPA-353.1	102	%	PL-K	04/09/02
Ammonia-N	EPA-350.1	102	%	PL-L	04/09/02
Chloride	EPA-300.0	3.2	%	SH-ICH-19	04/17/02
Phenols, Total	EPA-420.1	104	%	LS-B-35	04/16/02
Arsenic	EPA-200.7	108	%	SM-I-4D-28	04/19/02
Barium	EPA-200.7	102	%	SM-I-4D-28	04/19/02
Cadmium	EPA-200.7	84	%	SM-I-4D-28	04/19/02
Chromium	EPA-200.7	83	%	SM-I-4D-28	04/19/02
Lead	EPA-200.7	104	%	SM-I-4D-28	04/19/02
Mercury	EPA-245.1	102	%	SM-HG-A-89	04/09/02
Selenium	EPA-200.7	102	%	SM-I-4D-28	04/19/02
Silver	EPA-200.7	75	%	SM-I-4D-28	04/19/02
Sodium	EPA-200.7	106	%	SM-I-4D-28	04/19/02
Iron	EPA-200.7	110	%	SM-I-4D-28	04/19/02
Manganese	EPA-200.7	104	%	SM-I-4D-28	04/19/02
1,1-Dichloroethene	EPA-601	101	%	SO-D	04/10/02
Trichloroethylene	EPA-601	101	%	SO-D	04/10/02

Adirondack Environmental Services, Inc.
Experience is the solution
314 North Pearl Street • Albany, New York 12207 • 800-848-4983 • (518) 434-4546 • Fax (518) 434-0891

CLIENT: Acton, Town of
CLIENT'S SAMPLE ID: Accuracy
AES sample #: 020408 A10
Samples taken by: CY/DA
MATRIX: Water
Date Sampled: 04/05/02
Date sample received: 04/08/02
Location: Forest Road LF
grab

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTEBK REF	TEST DATE
Chlorobenzene	EPA-602	109	%	SO-D	04/10/02
Benzene	EPA-602	101	%	SO-D	04/10/02
Toluene	EPA-602	105	%	SO-D	04/10/02

APPROVED BY: Lara Dr
Report date: 04/22/02

TOWN OF ACTON
472 Main Street
Acton, Massachusetts, 01720
Telephone (978) 264-9628
Fax (978) 264-9630

Engineering Department

April 30, 2003

Ms. Cheryl Poirier
Massachusetts Department of Environmental Protection
627 Main Street
Worcester, Massachusetts 01608

Dear Ms. Poirier:

Please find attached the groundwater analyses of wells at the former Acton Landfill. The Acton Engineering Department collected the groundwater samples on April 2 and April 3, 2003. Adirondack Environmental Services Incorporated performed the lab work between April 9 and April 21, 2003.

If you should require any additional information or have any questions, please contact me at (978) 264-9628.

Very Truly Yours,

Corey S. York
Engineering Assistant

csy

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Experience is the solution
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(800) 848-4983 ♦ (518) 434-4546 ♦ Fax (518) 434-0891

April 24, 2003

Corey York
Acton, Town of
Engineering Dept.
472 Main Street
Acton, MA 01720

TEL: 978 264 9628
FAX: 978 264 9630

RE: Landfill Samples

Order No.: 030408010

Dear Corey York:

Adirondack Environmental Services, Inc received 8 samples on 4/8/2003 for the analyses presented in the following report.

There were no problems with the analyses and all associated QC met EPA or laboratory specifications, except if noted.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

ELAP#: 10709
AIHA#: 100307

Tara Daniels
Laboratory Manager

Adirondack Environmental Services, Inc

Date: *24-Apr-03*

CLIENT: Acton, Town of
Project: Landfill Samples
Lab Order: 030408010

Lab ID: 030408010-001
Collection Date: 4/2/2003
Client Sample ID: S-8
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PURGEABLE HALOCARBONS		**E601**				Analyst: **SO**
Chloromethane	< 1.0	1.0		µg/L	1	4/11/2003
Bromomethane	< 1.0	1.0		µg/L	1	4/11/2003
Dichlorodifluoromethane	< 1.0	1.0		µg/L	1	4/11/2003
Vinyl chloride	< 1.0	1.0		µg/L	1	4/11/2003
Chloroethane	< 1.0	1.0		µg/L	1	4/11/2003
Methylene chloride	< 1.0	1.0		µg/L	1	4/11/2003
Trichlorofluoromethane	< 1.0	1.0		µg/L	1	4/11/2003
1,1-Dichloroethene	< 1.0	1.0		µg/L	1	4/11/2003
1,1-Dichloroethane	< 1.0	1.0		µg/L	1	4/11/2003
cis-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	4/11/2003
trans-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	4/11/2003
Chloroform	< 1.0	1.0		µg/L	1	4/11/2003
1,2-Dichloroethane	< 1.0	1.0		µg/L	1	4/11/2003
1,1,1-Trichloroethane	< 1.0	1.0		µg/L	1	4/11/2003
Carbon tetrachloride	< 1.0	1.0		µg/L	1	4/11/2003
Bromodichloromethane	< 1.0	1.0		µg/L	1	4/11/2003
1,2-Dichloropropane	< 1.0	1.0		µg/L	1	4/11/2003
trans-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	4/11/2003
Trichloroethene	< 1.0	1.0		µg/L	1	4/11/2003
Dibromochloromethane	< 1.0	1.0		µg/L	1	4/11/2003
1,1,2-Trichloroethane	< 1.0	1.0		µg/L	1	4/11/2003
cis-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	4/11/2003
2-Chloroethyl vinyl ether	< 1.0	1.0		µg/L	1	4/11/2003
Bromoform	< 1.0	1.0		µg/L	1	4/11/2003
1,1,2,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	4/11/2003
Tetrachloroethene	< 1.0	1.0		µg/L	1	4/11/2003
Chlorobenzene	< 1.0	1.0		µg/L	1	4/11/2003
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/11/2003
1,4-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/11/2003
1,2-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/11/2003
PURGEABLE AROMATICS		**E602**				Analyst: **SO**
Benzene	< 0.5	0.5		µg/L	1	4/11/2003
Toluene	< 1.0	1.0		µg/L	1	4/11/2003
Ethylbenzene	< 1.0	1.0		µg/L	1	4/11/2003
m,p-Xylene	< 1.0	1.0		µg/L	1	4/11/2003
o-Xylene	< 1.0	1.0		µg/L	1	4/11/2003
Chlorobenzene	< 1.0	1.0		µg/L	1	4/11/2003
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/11/2003
1,4-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/11/2003

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *24-Apr-03*

CLIENT: Acton, Town of
Project: Landfill Samples
Lab Order: 030408010

PURGEABLE AROMATICS		**E602**			Analyst: **SO**
1,2-Dichlorobenzene	< 1.0	1.0	µg/L	1	4/11/2003
ICP METALS		**E200.7**	**(SW3010A)**		Analyst: **KH**
Arsenic	< 0.005	0.005	mg/L	1	4/16/2003
Barium	0.039	0.010	mg/L	1	4/16/2003
Cadmium	< 0.005	0.005	mg/L	1	4/16/2003
Chromium	< 0.005	0.005	mg/L	1	4/16/2003
Iron	0.313	0.050	mg/L	1	4/16/2003
Lead	< 0.005	0.005	mg/L	1	4/16/2003
Manganese	0.100	0.020	mg/L	1	4/16/2003
Selenium	< 0.005	0.005	mg/L	1	4/16/2003
Silver	< 0.010	0.010	mg/L	1	4/16/2003
Sodium	0.060	0.050	mg/L	1	4/16/2003
MERCURY IN WATER		**E245.1**	**(E245.1)**		Analyst: **SM**
Mercury	< 0.0002	0.0002	mg/L	1	4/9/2003
ALKALINITY		**E310.1**			Analyst: **LS**
Alkalinity, Total (As CaCO3)	19	1	mg/L CaCO3	1	4/9/2003
AMMONIA AS N		**E350.1**			Analyst: **KS**
Nitrogen, Ammonia (As N)	< 0.1	0.1	mg/L	1	4/16/2003
CHLORIDE		**E300**			Analyst: **SH**
Chloride	201	1.00	mg/L	1	4/21/2003
TOTAL NITRITE / NITRATE AS N		**E353.1**			Analyst: **KS**
Nitrogen, Nitrate-Nitrite	1.20	0.02	mg/L	1	4/15/2003
SULFATE		**E300**			Analyst: **PL**
Sulfate	17	2.00	mg/L	1	4/10/2003
TOTAL DISSOLVED SOLIDS		**E160.1**			Analyst: **LS**
TDS (Residue, Filterable)	410	5	mg/L	1	4/9/2003

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *24-Apr-03*

CLIENT: Acton, Town of
Project: Landfill Samples

Lab Order: 030408010

Lab ID: 030408010-002
Client Sample ID: L-15

Collection Date: 4/3/2003
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PURGEABLE HALOCARBONS		**E601**				Analyst: **SO**
Chloromethane	< 1.0	1.0		µg/L	1	4/11/2003
Bromomethane	< 1.0	1.0		µg/L	1	4/11/2003
Dichlorodifluoromethane	10	1.0		µg/L	1	4/11/2003
Vinyl chloride	< 1.0	1.0		µg/L	1	4/11/2003
Chloroethane	< 1.0	1.0		µg/L	1	4/11/2003
Methylene chloride	< 1.0	1.0		µg/L	1	4/11/2003
Trichlorofluoromethane	< 1.0	1.0		µg/L	1	4/11/2003
1,1-Dichloroethene	< 1.0	1.0		µg/L	1	4/11/2003
1,1-Dichloroethane	< 1.0	1.0		µg/L	1	4/11/2003
cis-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	4/11/2003
trans-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	4/11/2003
Chloroform	< 1.0	1.0		µg/L	1	4/11/2003
1,2-Dichloroethane	< 1.0	1.0		µg/L	1	4/11/2003
1,1,1-Trichloroethane	< 1.0	1.0		µg/L	1	4/11/2003
Carbon tetrachloride	< 1.0	1.0		µg/L	1	4/11/2003
Bromodichloromethane	< 1.0	1.0		µg/L	1	4/11/2003
1,2-Dichloropropane	< 1.0	1.0		µg/L	1	4/11/2003
trans-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	4/11/2003
Trichloroethene	< 1.0	1.0		µg/L	1	4/11/2003
Dibromochloromethane	< 1.0	1.0		µg/L	1	4/11/2003
1,1,2-Trichloroethane	< 1.0	1.0		µg/L	1	4/11/2003
cis-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	4/11/2003
2-Chloroethyl vinyl ether	< 1.0	1.0		µg/L	1	4/11/2003
Bromoform	< 1.0	1.0		µg/L	1	4/11/2003
1,1,2,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	4/11/2003
Tetrachloroethene	< 1.0	1.0		µg/L	1	4/11/2003
Chlorobenzene	1	1.0		µg/L	1	4/11/2003
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/11/2003
1,4-Dichlorobenzene	2	1.0		µg/L	1	4/11/2003
1,2-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/11/2003
PURGEABLE AROMATICS		**E602**				Analyst: **SO**
Benzene	3.0	0.5		µg/L	1	4/11/2003
Toluene	< 1.0	1.0		µg/L	1	4/11/2003
Ethylbenzene	< 1.0	1.0		µg/L	1	4/11/2003
m,p-Xylene	1.6	1.0		µg/L	1	4/11/2003
o-Xylene	< 1.0	1.0		µg/L	1	4/11/2003
Chlorobenzene	1.1	1.0		µg/L	1	4/11/2003
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/11/2003
1,4-Dichlorobenzene	1.8	1.0		µg/L	1	4/11/2003

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *24-Apr-03*

CLIENT: Acton, Town of
Project: Landfill Samples
Lab Order: 030408010

PURGEABLE AROMATICS		**E602**			Analyst: **SO**
1,2-Dichlorobenzene	< 1.0	1.0	µg/L	1	4/11/2003
ICP METALS		**E200.7**	**(SW3010A)**		Analyst: **KH**
Arsenic	< 0.005	0.005	mg/L	1	4/16/2003
Barium	0.423	0.010	mg/L	1	4/16/2003
Cadmium	< 0.005	0.005	mg/L	1	4/16/2003
Chromium	< 0.005	0.005	mg/L	1	4/16/2003
Iron	67.9	0.050	mg/L	1	4/16/2003
Lead	< 0.005	0.005	mg/L	1	4/16/2003
Manganese	1.20	0.020	mg/L	1	4/16/2003
Selenium	< 0.005	0.005	mg/L	1	4/16/2003
Silver	< 0.010	0.010	mg/L	1	4/16/2003
Sodium	59.0	0.050	mg/L	1	4/16/2003
MERCURY IN WATER		**E245.1**	**(E245.1)**		Analyst: **SM**
Mercury	< 0.0002	0.0002	mg/L	1	4/9/2003
ALKALINITY		**E310.1**			Analyst: **LS**
Alkalinity, Total (As CaCO3)	380	1	mg/L CaCO3	1	4/9/2003
AMMONIA AS N		**E350.1**			Analyst: **KS**
Nitrogen, Ammonia (As N)	8.9	0.1	mg/L	1	4/16/2003
CHLORIDE		**E300**			Analyst: **SH**
Chloride	124	1.00	mg/L	1	4/21/2003
TOTAL NITRITE / NITRATE AS N		**E353.1**			Analyst: **KS**
Nitrogen, Nitrate-Nitrite	1.00	0.02	mg/L	1	4/15/2003
PHENOLS, TOTAL		**E420.1**			Analyst: **LS**
Phenolics, Total Recoverable	< 0.002	0.002	mg/L	1	4/21/2003
SULFATE		**E300**			Analyst: **PL**
Sulfate	13	2.00	mg/L	1	4/10/2003
TOTAL DISSOLVED SOLIDS		**E160.1**			Analyst: **LS**
TDS (Residue, Filterable)	610	5	mg/L	1	4/10/2003

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *24-Apr-03*

CLIENT: Acton, Town of
Project: Landfill Samples

Lab Order: 030408010

Lab ID: 030408010-003
Client Sample ID: L-14

Collection Date: 4/3/2003
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PURGEABLE HALOCARBONS		**E601**				Analyst: **SO**
Chloromethane	< 1.0	1.0		µg/L	1	4/11/2003
Bromomethane	< 1.0	1.0		µg/L	1	4/11/2003
Dichlorodifluoromethane	< 1.0	1.0		µg/L	1	4/11/2003
Vinyl chloride	< 1.0	1.0		µg/L	1	4/11/2003
Chloroethane	< 1.0	1.0		µg/L	1	4/11/2003
Methylene chloride	< 1.0	1.0		µg/L	1	4/11/2003
Trichlorofluoromethane	< 1.0	1.0		µg/L	1	4/11/2003
1,1-Dichloroethene	< 1.0	1.0		µg/L	1	4/11/2003
1,1-Dichloroethane	< 1.0	1.0		µg/L	1	4/11/2003
cis-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	4/11/2003
trans-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	4/11/2003
Chloroform	< 1.0	1.0		µg/L	1	4/11/2003
1,2-Dichloroethane	< 1.0	1.0		µg/L	1	4/11/2003
1,1,1-Trichloroethane	< 1.0	1.0		µg/L	1	4/11/2003
Carbon tetrachloride	< 1.0	1.0		µg/L	1	4/11/2003
Bromodichloromethane	< 1.0	1.0		µg/L	1	4/11/2003
1,2-Dichloropropane	< 1.0	1.0		µg/L	1	4/11/2003
trans-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	4/11/2003
Trichloroethene	< 1.0	1.0		µg/L	1	4/11/2003
Dibromochloromethane	< 1.0	1.0		µg/L	1	4/11/2003
1,1,2-Trichloroethane	< 1.0	1.0		µg/L	1	4/11/2003
cis-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	4/11/2003
2-Chloroethyl vinyl ether	< 1.0	1.0		µg/L	1	4/11/2003
Bromoform	< 1.0	1.0		µg/L	1	4/11/2003
1,1,2,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	4/11/2003
Tetrachloroethene	< 1.0	1.0		µg/L	1	4/11/2003
Chlorobenzene	< 1.0	1.0		µg/L	1	4/11/2003
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/11/2003
1,4-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/11/2003
1,2-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/11/2003
PURGEABLE AROMATICS		**E602**				Analyst: **SO**
Benzene	< 0.5	0.5		µg/L	1	4/11/2003
Toluene	< 1.0	1.0		µg/L	1	4/11/2003
Ethylbenzene	< 1.0	1.0		µg/L	1	4/11/2003
m,p-Xylene	< 1.0	1.0		µg/L	1	4/11/2003
o-Xylene	< 1.0	1.0		µg/L	1	4/11/2003
Chlorobenzene	< 1.0	1.0		µg/L	1	4/11/2003
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/11/2003
1,4-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/11/2003

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *24-Apr-03*

CLIENT: Acton, Town of
Project: Landfill Samples
Lab Order: 030408010

PURGEABLE AROMATICS		**E602**			Analyst: **SO**
1,2-Dichlorobenzene	< 1.0	1.0	µg/L	1	4/11/2003
ICP METALS		**E200.7**	**(SW3010A)**		Analyst: **KH**
Arsenic	< 0.005	0.005	mg/L	1	4/16/2003
Barium	0.098	0.010	mg/L	1	4/16/2003
Cadmium	< 0.005	0.005	mg/L	1	4/16/2003
Chromium	0.014	0.005	mg/L	1	4/16/2003
Iron	18.0	0.050	mg/L	1	4/16/2003
Lead	< 0.005	0.005	mg/L	1	4/16/2003
Manganese	1.15	0.020	mg/L	1	4/16/2003
Selenium	< 0.005	0.005	mg/L	1	4/16/2003
Silver	< 0.010	0.010	mg/L	1	4/16/2003
Sodium	82.2	0.050	mg/L	1	4/16/2003
MERCURY IN WATER		**E245.1**	**(E245.1)**		Analyst: **SM**
Mercury	< 0.0002	0.0002	mg/L	1	4/9/2003
ALKALINITY		**E310.1**			Analyst: **LS**
Alkalinity, Total (As CaCO3)	35	1	mg/L CaCO3	1	4/9/2003
AMMONIA AS N		**E350.1**			Analyst: **KS**
Nitrogen, Ammonia (As N)	0.4	0.1	mg/L	1	4/16/2003
CHLORIDE		**E300**			Analyst: **SH**
Chloride	353	1.00	mg/L	1	4/21/2003
TOTAL NITRITE / NITRATE AS N		**E353.1**			Analyst: **KS**
Nitrogen, Nitrate-Nitrite	0.02	0.02	mg/L	1	4/15/2003
PHENOLS, TOTAL		**E420.1**			Analyst: **LS**
Phenolics, Total Recoverable	< 0.002	0.002	mg/L	1	4/21/2003
SULFATE		**E300**			Analyst: **PL**
Sulfate	7	2.00	mg/L	1	4/10/2003
TOTAL DISSOLVED SOLIDS		**E160.1**			Analyst: **LS**
TDS (Residue, Filterable)	570	5	mg/L	1	4/10/2003

Qualifiers:
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J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *24-Apr-03*

CLIENT: Acton, Town of
Project: Landfill Samples

Lab Order: 030408010

Lab ID: 030408010-004
Client Sample ID: L-11

Collection Date: 4/3/2003
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS		**E200.7**		**(SW3010A)**		Analyst: **KH**
Iron	67.3	0.050		mg/L	1	4/16/2003
Lead	< 0.005	0.005		mg/L	1	4/16/2003
Manganese	2.10	0.020		mg/L	1	4/16/2003
Sodium	66.7	0.050		mg/L	1	4/16/2003
ALKALINITY		**E310.1**				Analyst: **LS**
Alkalinity, Total (As CaCO3)	9	1		mg/L CaCO3	1	4/9/2003
AMMONIA AS N		**E350.1**				Analyst: **KS**
Nitrogen, Ammonia (As N)	0.3	0.1		mg/L	1	4/16/2003
CHLORIDE		**E300**				Analyst: **SH**
Chloride	255	1.00		mg/L	1	4/21/2003
TOTAL NITRITE / NITRATE AS N		**E353.1**				Analyst: **KS**
Nitrogen, Nitrate-Nitrite	0.04	0.02		mg/L	1	4/15/2003
SULFATE		**E300**				Analyst: **PL**
Sulfate	11	2.00		mg/L	1	4/10/2003
TOTAL DISSOLVED SOLIDS		**E160.1**				Analyst: **LS**
TDS (Residue, Filterable)	500	5		mg/L	1	4/10/2003

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *24-Apr-03*

CLIENT: Acton, Town of
Project: Landfill Samples

Lab Order: 030408010

Lab ID: 030408010-005
Client Sample ID: L-13

Collection Date: 4/3/2003
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PURGEABLE HALOCARBONS		**E601**				Analyst: **SO**
Chloromethane	< 1.0	1.0		µg/L	1	4/11/2003
Bromomethane	< 1.0	1.0		µg/L	1	4/11/2003
Dichlorodifluoromethane	10	1.0		µg/L	1	4/11/2003
Vinyl chloride	< 1.0	1.0		µg/L	1	4/11/2003
Chloroethane	< 1.0	1.0		µg/L	1	4/11/2003
Methylene chloride	< 1.0	1.0		µg/L	1	4/11/2003
Trichlorofluoromethane	< 1.0	1.0		µg/L	1	4/11/2003
1,1-Dichloroethene	< 1.0	1.0		µg/L	1	4/11/2003
1,1-Dichloroethane	< 1.0	1.0		µg/L	1	4/11/2003
cis-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	4/11/2003
trans-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	4/11/2003
Chloroform	< 1.0	1.0		µg/L	1	4/11/2003
1,2-Dichloroethane	< 1.0	1.0		µg/L	1	4/11/2003
1,1,1-Trichloroethane	< 1.0	1.0		µg/L	1	4/11/2003
Carbon tetrachloride	< 1.0	1.0		µg/L	1	4/11/2003
Bromodichloromethane	< 1.0	1.0		µg/L	1	4/11/2003
1,2-Dichloropropane	< 1.0	1.0		µg/L	1	4/11/2003
trans-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	4/11/2003
Trichloroethene	< 1.0	1.0		µg/L	1	4/11/2003
Dibromochloromethane	< 1.0	1.0		µg/L	1	4/11/2003
1,1,2-Trichloroethane	< 1.0	1.0		µg/L	1	4/11/2003
cis-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	4/11/2003
2-Chloroethyl vinyl ether	< 1.0	1.0		µg/L	1	4/11/2003
Bromoform	< 1.0	1.0		µg/L	1	4/11/2003
1,1,2,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	4/11/2003
Tetrachloroethene	< 1.0	1.0		µg/L	1	4/11/2003
Chlorobenzene	1	1.0		µg/L	1	4/11/2003
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/11/2003
1,4-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/11/2003
1,2-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/11/2003
PURGEABLE AROMATICS		**E602**				Analyst: **SO**
Benzene	3.6	0.5		µg/L	1	4/11/2003
Toluene	< 1.0	1.0		µg/L	1	4/11/2003
Ethylbenzene	< 1.0	1.0		µg/L	1	4/11/2003
m,p-Xylene	< 1.0	1.0		µg/L	1	4/11/2003
o-Xylene	< 1.0	1.0		µg/L	1	4/11/2003
Chlorobenzene	1.4	1.0		µg/L	1	4/11/2003
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/11/2003
1,4-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/11/2003

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *24-Apr-03*

CLIENT: Acton, Town of
Project: Landfill Samples
Lab Order: 030408010

PURGEABLE AROMATICS		**E602**			Analyst: **SO**
1,2-Dichlorobenzene	< 1.0	1.0	µg/L	1	4/11/2003
ICP METALS		**E200.7**	**(SW3010A)**		Analyst: **KH**
Arsenic	< 0.005	0.005	mg/L	1	4/16/2003
Barium	0.904	0.010	mg/L	1	4/16/2003
Cadmium	< 0.005	0.005	mg/L	1	4/16/2003
Chromium	< 0.005	0.005	mg/L	1	4/16/2003
Iron	112	0.050	mg/L	1	4/16/2003
Lead	< 0.005	0.005	mg/L	1	4/16/2003
Manganese	4.57	0.020	mg/L	1	4/16/2003
Selenium	< 0.005	0.005	mg/L	1	4/16/2003
Silver	< 0.010	0.010	mg/L	1	4/16/2003
Sodium	250	0.050	mg/L	1	4/16/2003
MERCURY IN WATER		**E245.1**	**(E245.1)**		Analyst: **SM**
Mercury	< 0.0002	0.0002	mg/L	1	4/9/2003
ALKALINITY		**E310.1**			Analyst: **LS**
Alkalinity, Total (As CaCO3)	870	1	mg/L CaCO3	1	4/9/2003
AMMONIA AS N		**E350.1**			Analyst: **KS**
Nitrogen, Ammonia (As N)	54.0	0.1	mg/L	1	4/16/2003
CHLORIDE		**E300**			Analyst: **SH**
Chloride	365	1.00	mg/L	1	4/21/2003
TOTAL NITRITE / NITRATE AS N		**E353.1**			Analyst: **KS**
Nitrogen, Nitrate-Nitrite	0.26	0.02	mg/L	1	4/15/2003
PHENOLS, TOTAL		**E420.1**			Analyst: **LS**
Phenolics, Total Recoverable	0.003	0.002	mg/L	1	4/21/2003
SULFATE		**E300**			Analyst: **PL**
Sulfate	9	2.00	mg/L	1	4/10/2003
TOTAL DISSOLVED SOLIDS		**E160.1**			Analyst: **LS**
TDS (Residue, Filterable)	1600	5	mg/L	1	4/10/2003

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *24-Apr-03*

CLIENT: Acton, Town of
Project: Landfill Samples

Lab Order: 030408010

Lab ID: 030408010-006
Client Sample ID: L-2

Collection Date: 4/3/2003
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PURGEABLE HALOCARBONS		**E601**				Analyst: **SO**
Chloromethane	< 1.0	1.0		µg/L	1	4/11/2003
Bromomethane	< 1.0	1.0		µg/L	1	4/11/2003
Dichlorodifluoromethane	< 1.0	1.0		µg/L	1	4/11/2003
Vinyl chloride	< 1.0	1.0		µg/L	1	4/11/2003
Chloroethane	< 1.0	1.0		µg/L	1	4/11/2003
Methylene chloride	< 1.0	1.0		µg/L	1	4/11/2003
Trichlorofluoromethane	< 1.0	1.0		µg/L	1	4/11/2003
1,1-Dichloroethene	< 1.0	1.0		µg/L	1	4/11/2003
1,1-Dichloroethane	< 1.0	1.0		µg/L	1	4/11/2003
cis-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	4/11/2003
trans-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	4/11/2003
Chloroform	< 1.0	1.0		µg/L	1	4/11/2003
1,2-Dichloroethane	< 1.0	1.0		µg/L	1	4/11/2003
1,1,1-Trichloroethane	< 1.0	1.0		µg/L	1	4/11/2003
Carbon tetrachloride	< 1.0	1.0		µg/L	1	4/11/2003
Bromodichloromethane	< 1.0	1.0		µg/L	1	4/11/2003
1,2-Dichloropropane	< 1.0	1.0		µg/L	1	4/11/2003
trans-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	4/11/2003
Trichloroethene	< 1.0	1.0		µg/L	1	4/11/2003
Dibromochloromethane	< 1.0	1.0		µg/L	1	4/11/2003
1,1,2-Trichloroethane	< 1.0	1.0		µg/L	1	4/11/2003
cis-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	4/11/2003
2-Chloroethyl vinyl ether	< 1.0	1.0		µg/L	1	4/11/2003
Bromoform	< 1.0	1.0		µg/L	1	4/11/2003
1,1,2,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	4/11/2003
Tetrachloroethene	< 1.0	1.0		µg/L	1	4/11/2003
Chlorobenzene	< 1.0	1.0		µg/L	1	4/11/2003
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/11/2003
1,4-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/11/2003
1,2-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/11/2003
PURGEABLE AROMATICS		**E602**				Analyst: **SO**
Benzene	< 0.5	0.5		µg/L	1	4/11/2003
Toluene	< 1.0	1.0		µg/L	1	4/11/2003
Ethylbenzene	< 1.0	1.0		µg/L	1	4/11/2003
m,p-Xylene	< 1.0	1.0		µg/L	1	4/11/2003
o-Xylene	< 1.0	1.0		µg/L	1	4/11/2003
Chlorobenzene	< 1.0	1.0		µg/L	1	4/11/2003
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/11/2003
1,4-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/11/2003

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *24-Apr-03*

CLIENT: Acton, Town of
Project: Landfill Samples
Lab Order: 030408010

PURGEABLE AROMATICS		**E602**			Analyst: **SO**
1,2-Dichlorobenzene	< 1.0	1.0	µg/L	1	4/11/2003
ICP METALS		**E200.7**	**(SW3010A)**		Analyst: **KH**
Arsenic	< 0.005	0.005	mg/L	1	4/16/2003
Barium	0.127	0.010	mg/L	1	4/16/2003
Cadmium	< 0.005	0.005	mg/L	1	4/16/2003
Chromium	0.010	0.005	mg/L	1	4/16/2003
Iron	56.0	0.050	mg/L	1	4/16/2003
Lead	0.010	0.005	mg/L	1	4/16/2003
Manganese	0.496	0.020	mg/L	1	4/16/2003
Selenium	< 0.005	0.005	mg/L	1	4/16/2003
Silver	< 0.010	0.010	mg/L	1	4/16/2003
Sodium	30.6	0.050	mg/L	1	4/16/2003
MERCURY IN WATER		**E245.1**	**(E245.1)**		Analyst: **SM**
Mercury	< 0.0002	0.0002	mg/L	1	4/9/2003
ALKALINITY		**E310.1**			Analyst: **LS**
Alkalinity, Total (As CaCO3)	55	1	mg/L CaCO3	1	4/9/2003
AMMONIA AS N		**E350.1**			Analyst: **KS**
Nitrogen, Ammonia (As N)	< 0.1	0.1	mg/L	1	4/16/2003
CHLORIDE		**E300**			Analyst: **SH**
Chloride	65.0	1.00	mg/L	1	4/21/2003
TOTAL NITRITE / NITRATE AS N		**E353.1**			Analyst: **KS**
Nitrogen, Nitrate-Nitrite	0.44	0.02	mg/L	1	4/15/2003
SULFATE		**E300**			Analyst: **PL**
Sulfate	15	2.00	mg/L	1	4/10/2003
TOTAL DISSOLVED SOLIDS		**E160.1**			Analyst: **LS**
TDS (Residue, Filterable)	220	5	mg/L	1	4/10/2003

Qualifiers:

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J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *24-Apr-03*

CLIENT: Acton, Town of
Project: Landfill Samples

Lab Order: 030408010

Lab ID: 030408010-007
Client Sample ID: L-12

Collection Date: 4/3/2003
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PURGEABLE HALOCARBONS		**E601**				Analyst: **SO**
Chloromethane	< 1.0	1.0		µg/L	1	4/11/2003
Bromomethane	< 1.0	1.0		µg/L	1	4/11/2003
Dichlorodifluoromethane	61	1.0		µg/L	1	4/11/2003
Vinyl chloride	< 1.0	1.0		µg/L	1	4/11/2003
Chloroethane	< 1.0	1.0		µg/L	1	4/11/2003
Methylene chloride	< 1.0	1.0		µg/L	1	4/11/2003
Trichlorofluoromethane	< 1.0	1.0		µg/L	1	4/11/2003
1,1-Dichloroethene	< 1.0	1.0		µg/L	1	4/11/2003
1,1-Dichloroethane	< 1.0	1.0		µg/L	1	4/11/2003
cis-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	4/11/2003
trans-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	4/11/2003
Chloroform	< 1.0	1.0		µg/L	1	4/11/2003
1,2-Dichloroethane	< 1.0	1.0		µg/L	1	4/11/2003
1,1,1-Trichloroethane	< 1.0	1.0		µg/L	1	4/11/2003
Carbon tetrachloride	< 1.0	1.0		µg/L	1	4/11/2003
Bromodichloromethane	< 1.0	1.0		µg/L	1	4/11/2003
1,2-Dichloropropane	< 1.0	1.0		µg/L	1	4/11/2003
trans-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	4/11/2003
Trichloroethene	< 1.0	1.0		µg/L	1	4/11/2003
Dibromochloromethane	< 1.0	1.0		µg/L	1	4/11/2003
1,1,2-Trichloroethane	< 1.0	1.0		µg/L	1	4/11/2003
cis-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	4/11/2003
2-Chloroethyl vinyl ether	< 1.0	1.0		µg/L	1	4/11/2003
Bromoform	< 1.0	1.0		µg/L	1	4/11/2003
1,1,2,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	4/11/2003
Tetrachloroethene	< 1.0	1.0		µg/L	1	4/11/2003
Chlorobenzene	23	1.0		µg/L	1	4/11/2003
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/11/2003
1,4-Dichlorobenzene	1	1.0		µg/L	1	4/11/2003
1,2-Dichlorobenzene	1	1.0		µg/L	1	4/11/2003
PURGEABLE AROMATICS		**E602**				Analyst: **SO**
Benzene	1.3	0.5		µg/L	1	4/11/2003
Toluene	< 1.0	1.0		µg/L	1	4/11/2003
Ethylbenzene	< 1.0	1.0		µg/L	1	4/11/2003
m,p-Xylene	< 1.0	1.0		µg/L	1	4/11/2003
o-Xylene	< 1.0	1.0		µg/L	1	4/11/2003
Chlorobenzene	23	1.0		µg/L	1	4/11/2003
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/11/2003
1,4-Dichlorobenzene	1.2	1.0		µg/L	1	4/11/2003

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *24-Apr-03*

CLIENT: Acton, Town of
Project: Landfill Samples
Lab Order: 030408010

PURGEABLE AROMATICS		**E602**			Analyst: **SO**
1,2-Dichlorobenzene	< 1.0	1.0	µg/L	1	4/11/2003
ICP METALS		**E200.7**	**(SW3010A)**		Analyst: **KH**
Arsenic	< 0.005	0.005	mg/L	1	4/16/2003
Barium	0.166	0.010	mg/L	1	4/16/2003
Cadmium	< 0.005	0.005	mg/L	1	4/16/2003
Chromium	< 0.005	0.005	mg/L	1	4/16/2003
Iron	68.6	0.050	mg/L	1	4/16/2003
Lead	< 0.005	0.005	mg/L	1	4/16/2003
Manganese	0.952	0.020	mg/L	1	4/16/2003
Selenium	< 0.005	0.005	mg/L	1	4/16/2003
Silver	< 0.010	0.010	mg/L	1	4/16/2003
Sodium	56.0	0.050	mg/L	1	4/16/2003
MERCURY IN WATER		**E245.1**	**(E245.1)**		Analyst: **SM**
Mercury	< 0.0002	0.0002	mg/L	1	4/9/2003
ALKALINITY		**E310.1**			Analyst: **LS**
Alkalinity, Total (As CaCO3)	580	1	mg/L CaCO3	1	4/9/2003
AMMONIA AS N		**E350.1**			Analyst: **KS**
Nitrogen, Ammonia (As N)	18.0	0.1	mg/L	1	4/16/2003
CHLORIDE		**E300**			Analyst: **SH**
Chloride	93.0	1.00	mg/L	1	4/21/2003
TOTAL NITRITE / NITRATE AS N		**E353.1**			Analyst: **KS**
Nitrogen, Nitrate-Nitrite	0.02	0.02	mg/L	1	4/15/2003
SULFATE		**E300**			Analyst: **PL**
Sulfate	2	2.00	mg/L	1	4/10/2003
TOTAL DISSOLVED SOLIDS		**E160.1**			Analyst: **LS**
TDS (Residue, Filterable)	795	5	mg/L	1	4/10/2003

Qualifiers:

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J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *24-Apr-03*

CLIENT: Acton, Town of
Project: Landfill Samples

Lab Order: 030408010

Lab ID: 030408010-008
Client Sample ID: Trip Blank Lot# 067

Collection Date: 1/29/2003
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PURGEABLE HALOCARBONS		**E601**				Analyst: **SO**
Chloromethane	< 1.0	1.0		µg/L	1	4/11/2003
Bromomethane	< 1.0	1.0		µg/L	1	4/11/2003
Dichlorodifluoromethane	< 1.0	1.0		µg/L	1	4/11/2003
Vinyl chloride	< 1.0	1.0		µg/L	1	4/11/2003
Chloroethane	< 1.0	1.0		µg/L	1	4/11/2003
Methylene chloride	< 1.0	1.0		µg/L	1	4/11/2003
Trichlorofluoromethane	< 1.0	1.0		µg/L	1	4/11/2003
1,1-Dichloroethene	< 1.0	1.0		µg/L	1	4/11/2003
1,1-Dichloroethane	< 1.0	1.0		µg/L	1	4/11/2003
cis-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	4/11/2003
trans-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	4/11/2003
Chloroform	< 1.0	1.0		µg/L	1	4/11/2003
1,2-Dichloroethane	< 1.0	1.0		µg/L	1	4/11/2003
1,1,1-Trichloroethane	< 1.0	1.0		µg/L	1	4/11/2003
Carbon tetrachloride	< 1.0	1.0		µg/L	1	4/11/2003
Bromodichloromethane	< 1.0	1.0		µg/L	1	4/11/2003
1,2-Dichloropropane	< 1.0	1.0		µg/L	1	4/11/2003
trans-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	4/11/2003
Trichloroethene	< 1.0	1.0		µg/L	1	4/11/2003
Dibromochloromethane	< 1.0	1.0		µg/L	1	4/11/2003
1,1,2-Trichloroethane	< 1.0	1.0		µg/L	1	4/11/2003
cis-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	4/11/2003
2-Chloroethyl vinyl ether	< 1.0	1.0		µg/L	1	4/11/2003
Bromoform	< 1.0	1.0		µg/L	1	4/11/2003
1,1,2,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	4/11/2003
Tetrachloroethene	< 1.0	1.0		µg/L	1	4/11/2003
Chlorobenzene	< 1.0	1.0		µg/L	1	4/11/2003
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/11/2003
1,4-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/11/2003
1,2-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/11/2003
PURGEABLE AROMATICS		**E602**				Analyst: **SO**
Benzene	< 0.5	0.5		µg/L	1	4/11/2003
Toluene	< 1.0	1.0		µg/L	1	4/11/2003
Ethylbenzene	< 1.0	1.0		µg/L	1	4/11/2003
m,p-Xylene	< 1.0	1.0		µg/L	1	4/11/2003
o-Xylene	< 1.0	1.0		µg/L	1	4/11/2003
Chlorobenzene	< 1.0	1.0		µg/L	1	4/11/2003
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/11/2003
1,4-Dichlorobenzene	< 1.0	1.0		µg/L	1	4/11/2003

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *24-Apr-03*

CLIENT: Acton, Town of
Project: Landfill Samples

Lab Order: 030408010

PURGEABLE AROMATICS — **E602** — Analyst: **SO**

1,2-Dichlorobenzene	< 1.0	1.0	µg/L	1	4/11/2003

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

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Albany, New York 12207
518-434-4546/434-0891 FAX

1 of 3

CHAIN OF CUSTODY RECORD

A full service analytical research laboratory offering solutions to environmental concerns

Client Name: Corey York / Town of Acton	Address: 472 Main Street Acton, MA 01720
Send Report To: Corey York	Project Name (Location): Town of Acton Landfill
Client Phone No: 978 264-9628	PO Number: 151900
Client Fax No: 978 264-9630	Samplers: (Names): Corey York / David Abbt
	Samplers: (Signature): [signature] David Abbt

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.	Sample Type Matrix	Comp	Grab	Number of Cont's	Analysis Required
	S-8	4/2/03	10 A P	GW			2	Volatile Organics
001	S-8	4/2/03	10 A P				1	Ammonia/Nitrate
	S-8	4/2/03	10 A P				1	Metals
	S-8	4/2/03	10 A P				1	Alkalinity/Chloride TDS/Sulfate
	L-15	4/3/03	2 A P				2	Volatile Organics
	L-15	4/3/03	2 A P				1	Ammonia/Nitrate
002	L-15	4/3/03	2 A P				1	Metals
	L-15	4/3/03	2 A P				1	Alkalinity/Chloride TDS/Sulfate
	L-15	4/3/03	2 A P				1	Phenols
	L-14	4/3/03	3 A P				2	Volatile Organics
003	L-14 D30408010	4/3/03	3 A P				1	Ammonia/Nitrate
	L-14	4/3/03	3 A P				1	Metals
	L-14	4/3/03	3 A P				1	Alkalinity/Chloride TDS/Sulfate
	L-14	4/3/03	3 A P				1	Phenols

Turnaround Time Request:
☐ 1 Day ☐ 3 Day ☐ Normal
☐ 2 Day ☐ 5 Day

CC Report To:

Special Instructions/Remarks
Attached herewith is a table showing the types of analyses required for each sample taken around the landfill.
Corey York

Relinquished by: (Signature) [signature]	Received by: (Signature) [signature]	Date/Time 4/7/03 4:20pm
Relinquished by: (Signature)	Received for Laboratory by: ML	Date/Time 4/8/03 9:30

Temperature
Ambient or Chilled
Notes:

Properly Preserved
Y N
Notes:

Received Within Holding Times
Y N
Notes:

WHITE - Lab Copy YELLOW - Sampler Copy PINK - Generator Copy

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Albany, New York 12207
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2 of 3

CHAIN OF CUSTODY RECORD

A full service analytical research laboratory offering solutions to environmental concerns

Client Name: Corey York / Town of Acton	Address: 472 Main Street Acton MA 01720
Send Report To: Corey York	Project Name (Location): Town of Acton Landfill
Client Phone No: 978 264-9629	Samplers: (Names): Corey York / David Abbt
Client Fax No: 978 264-9630	PO Number: 151900
	Samplers: (Signature): [signature] [signature]

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.		Sample Type Matrix	Comp	Grab	Number of Cont's	Analysis Required
	L-11	4/3/03	9	A P	GW			1	Ammonia/Nitrate
004	L-11	4/3/03	9	A P	↓			1	Metals
	L-11	4/3/03	9	A P	↓			1	Alkalinity / Chloride TDS / Sulfate
				A P					
				A P					
				A P					
				A P					
	030908010			A P					
				A P					
				A P					
				A P					
				A P					
				A P					

Turnaround Time Request:
☐ 1 Day ☐ 3 Day ☐ Normal
☐ 2 Day ☐ 5 Day

CC Report To:

Special Instructions/Remarks
Attached herewith is a table showing the types of analyses required for each sample taken around the landfill.
Corey York

Relinquished by: (Signature) [signature]	Received by: (Signature) [signature]	Date/Time 4/7/03 / 4:20 PM
Relinquished by: (Signature)	Received for Laboratory by: ML	Date/Time 4/8/03 420

Temperature	Properly Preserved	Received Within Holding Times
Ambient or Chilled	Y N	Y N
Notes:	Notes:	Notes:

WHITE - Lab Copy YELLOW - Sampler Copy PINK - Generator Copy

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Albany, New York 12207
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3 of 3

CHAIN OF CUSTODY RECORD

A full service analytical research laboratory offering solutions to environmental concerns

Client Name: Corey York (Town of Acton	Address: 472 Main Street Acton MA 01720
Send Report To: Corey York	Project Name (Location): Town of Acton Landfill
Client Phone No: 978 264 9628	PO Number: 151900
Client Fax No: 978 264 9630	
Samplers: (Names): Corey York / David Abbt	
Samplers: (Signature): [signature]	

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.	Sample Type Matrix	Comp	Grab	Number of Cont's	Analysis Required
	L-13	4/3/03	1 A/P	GW			2	Volatile Organics
005	L-13	4/3/03	1 A/P				1	Metals
	L-13	4/3/03	1 A/P				1	Ammonia/Nitrate
	L-13	4/3/03	1 A/P				1	Alkalinity/Chloride TDS/Sulfate
	L-13	4/3/03	1 A/P				1	Phenols
007	L-12	4/3/03	11 A/P				2	Volatile Organics ~~Phenols~~
	L-12	4/3/03	11 A/P				1	Ammonia/Nitrate
	L-12	4/3/03	11 A/P				1	Metals
	L-12	4/3/03	11 A/P				1	Alkalinity/Chloride TDS/Sulfate
	L-2 030408010	4/3/03	10 A/P				2	Volatile Organics
	L-2	4/3/03	10 A/P				1	Ammonia/Nitrate
006	L-2	4/3/03	10 A/P				1	Metals
	L-2	4/3/03	10 A/P				1	Alkalinity/Chloride TDS/Sulfate
008	TRIP BLANK Lot#67 11/29/03		— A/P	WA			1	VOC's

Turnaround Time Request:
☐ 1 Day ☐ 3 Day ☐ Normal
☐ 2 Day ☐ 5 Day

CC Report To:

Special Instructions/Remarks
Attached herewith is a table showing the types of analyses required for each sample taken around the landfill.
Corey York

Relinquished by: (Signature) [signature]	Received by: (Signature) [signature]	Date/Time 4/7/03 4:20 PM
Relinquished by: (Signature)	Received for Laboratory by: ML	Date/Time 4/8/03 420

Temperature	Properly Preserved	Received Within Holding Times
Ambient or Chilled	Y N	Y N
Notes:	Notes:	Notes:

WHITE - Lab Copy YELLOW - Sampler Copy PINK - Generator Copy

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Experience is the solution
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TERMS, CONDITIONS & LIMITATIONS

All Services rendered by **Adirondack Environmental Services, Inc.** are undertaken and all rates are based upon the following terms:

(a) Neither **Adirondack Environmental Services, Inc.**, nor any of its employees, agents or sub-contractors shall be liable for any loss or damage arising out of **Adirondack Environmental Services, Inc.'s** performance or non-performance, whether by way of negligence or breach of contract, or otherwise, in any amount greater than twice the amount billed to the customer for the work leading to the claim of the customer. Said remedy shall be the sole and exclusive remedy against **Adirondack Environmental Services, Inc.** arising out of its work.

(b) All claims made must be in writing within forty-five (45) days after delivery of the **Adirondack Environmental Services, Inc.** report regarding said work or such claim shall be deemed as irrevocably waived.

(c) **Adirondack Environmental Services, Inc.** reports are submitted in writing and are for our customers only. Our customers are considered to be only those entities being billed for our services. Acquisition of an **Adirondack Environmental Services, Inc.** report by other than our customer does not constitute a representation of **Adirondack Environmental Services, Inc.** as to the accuracy of the contents thereof.

(d) In no event shall **Adirondack Environmental Services, Inc.**, its employees agents or sub-contractors be responsible for consequential or special damages of any kind or in any amount.

(e) No deviation from the terms set forth herein shall bind **Adirondack Environmental Services, Inc.** unless in writing and signed by a Director of **Adirondack Environmental Services, Inc.**

(f) Results pertain only to items analyzed. Information supplied by client is assumed to be correct. This information may be used on reports and in calculations and **Adirondack Environmental Services, Inc.** is not responsible for the accuracy of this information.

TOWN OF ACTON
472 Main Street
Acton, Massachusetts, 01720
Telephone (978) 264-9628
Fax (978) 264-9630

Engineering Department

June 9, 2004

Ms. Cheryl Poirier
Massachusetts Department of Environmental Protection
627 Main Street
Worcester, Massachusetts 01608

Dear Ms. Poirier:

Please find attached the groundwater analyses of wells at the former Acton Landfill. The Acton Engineering Department collected the groundwater samples on April 21, 2004. Adirondack Environmental Services Incorporated performed the lab work between April 23 and May 4, 2004.

If you should require any additional information or have any questions, please contact me at (978) 264-9628.

Sincerely,

Corey S. York
Engineering Assistant

csy

2004

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(800) 848-4983 ♦ (518) 434-4546 ♦ Fax (518) 434-0891

May 20, 2004

Corey York
Acton, Town of
Engineering Dept.
472 Main Street
Acton, MA 01720

TEL: 978 264 9628
FAX: 978 264 9630

RE: Town Landfill

Order No.: 040423002

Dear Corey York:

Adirondack Environmental Services, Inc received 8 samples on 4/23/2004 for the analyses presented in the following report.

There were no problems with the analyses and all associated QC met EPA or laboratory specifications, except if noted.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

ELAP#: 10709
AIHA#: 100307

Christopher Hess
QA Manager

Adirondack Environmental Services, Inc **Date:** *20-May-04*

CLIENT: Acton, Town of
Project: Town Landfill
Lab Order: 040423002

CASE NARRATIVE

Analytical Comments for METHOD AMMONIA_W, SAMPLE 040423002-005C: pH not <2
Analytical Comments for METHOD AMMONIA_W, SAMPLE 040423002-006C: pH not <2
Analytical Comments for METHOD AMMONIA_W, SAMPLE 040423002-007C: pH not <2

Adirondack Environmental Services, Inc

Date: *20-May-04*

CLIENT: Acton, Town of
Lab Order: 040423002
Project: Town Landfill
Lab ID: 040423002-001

Client Sample ID: L-11
Collection Date: 4/21/2004
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS		**E200.7**		**(SW3010A)**		Analyst: **KH**
Iron	78.1	0.050		mg/L	1	5/4/2004 2:07:00 PM
Lead	0.024	0.005		mg/L	1	5/4/2004 2:07:00 PM
Manganese	2.75	0.020		mg/L	1	5/4/2004 2:07:00 PM
Sodium	86.8	0.050		mg/L	1	5/4/2004 2:07:00 PM
ANIONS BY ION CHROMATOGRAPHY		**E300**				Analyst: **SH**
Chloride	362	1.00		mg/L	1	5/4/2004
Nitrogen, Nitrate (As N)	0.05	0.02		mg/L	1	4/23/2004
Sulfate	11.0	2.00		mg/L	1	4/23/2004
ALKALINITY		**E310.1**				Analyst: **LS**
Alkalinity, Total (As CaCO3)	< 1	1		mg/L CaCO3	1	5/3/2004
AMMONIA AS N		**E350.1**				Analyst: **KS**
Nitrogen, Ammonia (As N)	0.3	0.1		mg/L	1	5/3/2004
TOTAL DISSOLVED SOLIDS		**E160.1**				Analyst: **LS**
TDS (Residue, Filterable)	615	5		mg/L	1	4/27/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *20-May-04*

CLIENT: Acton, Town of
Lab Order: 040423002
Project: Town Landfill
Lab ID: 040423002-002

Client Sample ID: L-12
Collection Date: 4/21/2004
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
PURGEABLE HALOCARBONS		**E601**				Analyst: **SO**
Dichlorodifluoromethane	13	1.0		µg/L	1	5/3/2004
Chloromethane	< 1.0	1.0		µg/L	1	5/3/2004
Vinyl chloride	< 1.0	1.0		µg/L	1	5/3/2004
Bromomethane	< 1.0	1.0		µg/L	1	5/3/2004
Chloroethane	2.7	1.0		µg/L	1	5/3/2004
Trichlorofluoromethane	< 1.0	1.0		µg/L	1	5/3/2004
1,1-Dichloroethene	< 1.0	1.0		µg/L	1	5/3/2004
Methylene chloride	< 1.0	1.0		µg/L	1	5/3/2004
trans-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	5/3/2004
1,1-Dichloroethane	< 1.0	1.0		µg/L	1	5/3/2004
cis-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	5/3/2004
Chloroform	< 1.0	1.0		µg/L	1	5/3/2004
1,1,1-Trichloroethane	< 1.0	1.0		µg/L	1	5/3/2004
Carbon tetrachloride	< 1.0	1.0		µg/L	1	5/3/2004
1,2-Dichloroethane	< 1.0	1.0		µg/L	1	5/3/2004
Trichloroethene	< 1.0	1.0		µg/L	1	5/3/2004
1,2-Dichloropropane	< 1.0	1.0		µg/L	1	5/3/2004
Bromodichloromethane	< 1.0	1.0		µg/L	1	5/3/2004
cis-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	5/3/2004
trans-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	5/3/2004
1,1,2-Trichloroethane	< 1.0	1.0		µg/L	1	5/3/2004
Tetrachloroethene	< 1.0	1.0		µg/L	1	5/3/2004
Dibromochloromethane	< 1.0	1.0		µg/L	1	5/3/2004
Chlorobenzene	35	1.0		µg/L	1	5/3/2004
Bromoform	< 1.0	1.0		µg/L	1	5/3/2004
1,1,2,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	5/3/2004
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	5/3/2004
1,4-Dichlorobenzene	1.2	1.0		µg/L	1	5/3/2004
1,2-Dichlorobenzene	1.0	1.0		µg/L	1	5/3/2004
PURGEABLE AROMATICS		**E602**				Analyst: **SO**
Benzene	1.5	0.5		µg/L	1	5/3/2004
Toluene	< 1.0	1.0		µg/L	1	5/3/2004
Ethylbenzene	< 1.0	1.0		µg/L	1	5/3/2004
m,p-Xylene	< 1.0	1.0		µg/L	1	5/3/2004
o-Xylene	< 1.0	1.0		µg/L	1	5/3/2004
ICP METALS		**E200.7**		**(SW3010A)**		Analyst: **KH**
Arsenic	0.135	0.005		mg/L	1	5/4/2004 2:12:00 PM
Barium	0.185	0.010		mg/L	1	5/4/2004 2:12:00 PM
Cadmium	< 0.005	0.005		mg/L	1	5/4/2004 2:12:00 PM
Chromium	0.011	0.005		mg/L	1	5/4/2004 2:12:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *20-May-04*

CLIENT: Acton, Town of
Lab Order: 040423002
Project: Town Landfill
Lab ID: 040423002-002

Client Sample ID: L-12
Collection Date: 4/21/2004
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS		**E200.7**		**(SW3010A)**		Analyst: **KH**
Iron	78.8	0.050		mg/L	1	5/4/2004 2:12:00 PM
Lead	0.019	0.005		mg/L	1	5/4/2004 2:12:00 PM
Manganese	1.17	0.020		mg/L	1	5/4/2004 2:12:00 PM
Selenium	< 0.005	0.005		mg/L	1	5/4/2004 2:12:00 PM
Silver	< 0.010	0.010		mg/L	1	5/4/2004 2:12:00 PM
Sodium	67.0	0.050		mg/L	1	5/4/2004 2:12:00 PM
MERCURY IN WATER		**E245.1**		**(E245.1)**		Analyst: **KH**
Mercury	< 0.0002	0.0002		mg/L	1	4/28/2004
ANIONS BY ION CHROMATOGRAPHY		**E300**				Analyst: **SH**
Chloride	131	1.00		mg/L	1	5/4/2004
Nitrogen, Nitrate (As N)	0.04	0.02		mg/L	1	4/23/2004
Sulfate	2.10	2.00		mg/L	1	4/23/2004
ALKALINITY		**E310.1**				Analyst: **LS**
Alkalinity, Total (As CaCO3)	500	1		mg/L CaCO3	1	5/3/2004
AMMONIA AS N		**E350.1**				Analyst: **KS**
Nitrogen, Ammonia (As N)	19.3	0.1		mg/L	1	5/3/2004
TOTAL DISSOLVED SOLIDS		**E160.1**				Analyst: **LS**
TDS (Residue, Filterable)	680	5		mg/L	1	4/27/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *20-May-04*

CLIENT: Acton, Town of
Lab Order: 040423002
Project: Town Landfill
Lab ID: 040423002-003

Client Sample ID: L-13
Collection Date: 4/21/2004
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
PURGEABLE HALOCARBONS		**E601**				Analyst: **SO**
Dichlorodifluoromethane	5.8	1.0		µg/L	1	5/3/2004
Chloromethane	< 1.0	1.0		µg/L	1	5/3/2004
Vinyl chloride	< 1.0	1.0		µg/L	1	5/3/2004
Bromomethane	< 1.0	1.0		µg/L	1	5/3/2004
Chloroethane	1.6	1.0		µg/L	1	5/3/2004
Trichlorofluoromethane	< 1.0	1.0		µg/L	1	5/3/2004
1,1-Dichloroethene	< 1.0	1.0		µg/L	1	5/3/2004
Methylene chloride	< 1.0	1.0		µg/L	1	5/3/2004
trans-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	5/3/2004
1,1-Dichloroethane	< 1.0	1.0		µg/L	1	5/3/2004
cis-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	5/3/2004
Chloroform	< 1.0	1.0		µg/L	1	5/3/2004
1,1,1-Trichloroethane	< 1.0	1.0		µg/L	1	5/3/2004
Carbon tetrachloride	< 1.0	1.0		µg/L	1	5/3/2004
1,2-Dichloroethane	< 1.0	1.0		µg/L	1	5/3/2004
Trichloroethene	< 1.0	1.0		µg/L	1	5/3/2004
1,2-Dichloropropane	< 1.0	1.0		µg/L	1	5/3/2004
Bromodichloromethane	< 1.0	1.0		µg/L	1	5/3/2004
cis-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	5/3/2004
trans-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	5/3/2004
1,1,2-Trichloroethane	< 1.0	1.0		µg/L	1	5/3/2004
Tetrachloroethene	< 1.0	1.0		µg/L	1	5/3/2004
Dibromochloromethane	< 1.0	1.0		µg/L	1	5/3/2004
Chlorobenzene	2.9	1.0		µg/L	1	5/3/2004
Bromoform	< 1.0	1.0		µg/L	1	5/3/2004
1,1,2,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	5/3/2004
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	5/3/2004
1,4-Dichlorobenzene	< 1.0	1.0		µg/L	1	5/3/2004
1,2-Dichlorobenzene	< 1.0	1.0		µg/L	1	5/3/2004
PURGEABLE AROMATICS		**E602**				Analyst: **SO**
Benzene	2.8	0.5		µg/L	1	5/3/2004
Toluene	< 1.0	1.0		µg/L	1	5/3/2004
Ethylbenzene	< 1.0	1.0		µg/L	1	5/3/2004
m,p-Xylene	< 1.0	1.0		µg/L	1	5/3/2004
o-Xylene	< 1.0	1.0		µg/L	1	5/3/2004
ICP METALS		**E200.7**		**(SW3010A)**		Analyst: **KH**
Arsenic	< 0.005	0.005		mg/L	1	5/4/2004 2:26:00 PM
Barium	0.853	0.010		mg/L	1	5/4/2004 2:26:00 PM
Cadmium	< 0.005	0.005		mg/L	1	5/4/2004 2:26:00 PM
Chromium	0.023	0.005		mg/L	1	5/4/2004 2:26:00 PM

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *20-May-04*

CLIENT: Acton, Town of
Lab Order: 040423002
Project: Town Landfill
Lab ID: 040423002-003

Client Sample ID: L-13
Collection Date: 4/21/2004
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS		**E200.7**		**(SW3010A)**		Analyst: **KH**
Iron	96.1	0.050		mg/L	1	5/4/2004 2:26:00 PM
Lead	0.013	0.005		mg/L	1	5/4/2004 2:26:00 PM
Manganese	3.69	0.020		mg/L	1	5/4/2004 2:26:00 PM
Selenium	< 0.005	0.005		mg/L	1	5/4/2004 2:26:00 PM
Silver	< 0.010	0.010		mg/L	1	5/4/2004 2:26:00 PM
Sodium	274	0.500		mg/L	10	5/4/2004 2:32:00 PM
MERCURY IN WATER		**E245.1**		**(E245.1)**		Analyst: **KH**
Mercury	< 0.0002	0.0002		mg/L	1	4/28/2004
ANIONS BY ION CHROMATOGRAPHY		**E300**				Analyst: **SH**
Chloride	383	1.00		mg/L	1	5/4/2004
Nitrogen, Nitrate (As N)	0.17	0.02		mg/L	1	4/23/2004
Sulfate	6.40	2.00		mg/L	1	4/23/2004
ALKALINITY		**E310.1**				Analyst: **LS**
Alkalinity, Total (As CaCO3)	840	1		mg/L CaCO3	1	5/3/2004
AMMONIA AS N		**E350.1**				Analyst: **KS**
Nitrogen, Ammonia (As N)	55.0	0.1		mg/L	1	5/3/2004
PHENOLS, TOTAL		**E420.1**				Analyst: **LS**
Phenolics, Total Recoverable	0.002	0.002		mg/L	1	5/5/2004
TOTAL DISSOLVED SOLIDS		**E160.1**				Analyst: **LS**
TDS (Residue, Filterable)	1250	5		mg/L	1	4/27/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *20-May-04*

CLIENT: Acton, Town of
Lab Order: 040423002
Project: Town Landfill
Lab ID: 040423002-004

Client Sample ID: L-14
Collection Date: 4/21/2004
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
PURGEABLE HALOCARBONS		**E601**				Analyst: **SO**
Dichlorodifluoromethane	< 1.0	1.0		µg/L	1	5/3/2004
Chloromethane	< 1.0	1.0		µg/L	1	5/3/2004
Vinyl chloride	< 1.0	1.0		µg/L	1	5/3/2004
Bromomethane	< 1.0	1.0		µg/L	1	5/3/2004
Chloroethane	< 1.0	1.0		µg/L	1	5/3/2004
Trichlorofluoromethane	< 1.0	1.0		µg/L	1	5/3/2004
1,1-Dichloroethene	< 1.0	1.0		µg/L	1	5/3/2004
Methylene chloride	< 1.0	1.0		µg/L	1	5/3/2004
trans-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	5/3/2004
1,1-Dichloroethane	< 1.0	1.0		µg/L	1	5/3/2004
cis-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	5/3/2004
Chloroform	< 1.0	1.0		µg/L	1	5/3/2004
1,1,1-Trichloroethane	< 1.0	1.0		µg/L	1	5/3/2004
Carbon tetrachloride	< 1.0	1.0		µg/L	1	5/3/2004
1,2-Dichloroethane	< 1.0	1.0		µg/L	1	5/3/2004
Trichloroethene	< 1.0	1.0		µg/L	1	5/3/2004
1,2-Dichloropropane	< 1.0	1.0		µg/L	1	5/3/2004
Bromodichloromethane	< 1.0	1.0		µg/L	1	5/3/2004
cis-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	5/3/2004
trans-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	5/3/2004
1,1,2-Trichloroethane	< 1.0	1.0		µg/L	1	5/3/2004
Tetrachloroethene	< 1.0	1.0		µg/L	1	5/3/2004
Dibromochloromethane	< 1.0	1.0		µg/L	1	5/3/2004
Chlorobenzene	< 1.0	1.0		µg/L	1	5/3/2004
Bromoform	< 1.0	1.0		µg/L	1	5/3/2004
1,1,2,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	5/3/2004
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	5/3/2004
1,4-Dichlorobenzene	< 1.0	1.0		µg/L	1	5/3/2004
1,2-Dichlorobenzene	< 1.0	1.0		µg/L	1	5/3/2004
PURGEABLE AROMATICS		**E602**				Analyst: **SO**
Benzene	< 0.5	0.5		µg/L	1	5/3/2004
Toluene	< 1.0	1.0		µg/L	1	5/3/2004
Ethylbenzene	< 1.0	1.0		µg/L	1	5/3/2004
m,p-Xylene	< 1.0	1.0		µg/L	1	5/3/2004
o-Xylene	< 1.0	1.0		µg/L	1	5/3/2004
ICP METALS		**E200.7**		**(SW3010A)**		Analyst: **KH**
Arsenic	< 0.005	0.005		mg/L	1	5/4/2004 2:36:00 PM
Barium	0.094	0.010		mg/L	1	5/4/2004 2:36:00 PM
Cadmium	0.017	0.005		mg/L	1	5/4/2004 2:36:00 PM
Chromium	0.016	0.005		mg/L	1	5/4/2004 2:36:00 PM

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *20-May-04*

CLIENT:	Acton, Town of	**Client Sample ID:**	L-14
Lab Order:	040423002	**Collection Date:**	4/21/2004
Project:	Town Landfill		
Lab ID:	040423002-004	**Matrix:**	GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS		**E200.7**		**(SW3010A)**		Analyst: **KH**
Iron	15.4	0.050		mg/L	1	5/4/2004 2:36:00 PM
Lead	0.007	0.005		mg/L	1	5/4/2004 2:36:00 PM
Manganese	0.874	0.020		mg/L	1	5/4/2004 2:36:00 PM
Selenium	< 0.005	0.005		mg/L	1	5/4/2004 2:36:00 PM
Silver	< 0.010	0.010		mg/L	1	5/4/2004 2:36:00 PM
Sodium	83.9	0.050		mg/L	1	5/4/2004 2:36:00 PM
MERCURY IN WATER		**E245.1**		**(E245.1)**		Analyst: **KH**
Mercury	< 0.0002	0.0002		mg/L	1	4/28/2004
ANIONS BY ION CHROMATOGRAPHY		**E300**				Analyst: **SH**
Chloride	230	1.00		mg/L	1	5/4/2004
Nitrogen, Nitrate (As N)	0.08	0.02		mg/L	1	4/23/2004
Sulfate	7.20	2.00		mg/L	1	4/23/2004
ALKALINITY		**E310.1**				Analyst: **LS**
Alkalinity, Total (As CaCO3)	28	1		mg/L CaCO3	1	5/3/2004
AMMONIA AS N		**E350.1**				Analyst: **KS**
Nitrogen, Ammonia (As N)	0.4	0.1		mg/L	1	5/3/2004
PHENOLS, TOTAL		**E420.1**				Analyst: **LS**
Phenolics, Total Recoverable	< 0.002	0.002		mg/L	1	5/5/2004
TOTAL DISSOLVED SOLIDS		**E160.1**				Analyst: **LS**
TDS (Residue, Filterable)	372	5		mg/L	1	4/27/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *20-May-04*

CLIENT: Acton, Town of
Lab Order: 040423002
Project: Town Landfill
Lab ID: 040423002-005

Client Sample ID: L-15
Collection Date: 4/21/2004
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
PURGEABLE HALOCARBONS		**E601**				Analyst: **SO**
Dichlorodifluoromethane	3.0	1.0		µg/L	1	5/3/2004
Chloromethane	< 1.0	1.0		µg/L	1	5/3/2004
Vinyl chloride	< 1.0	1.0		µg/L	1	5/3/2004
Bromomethane	< 1.0	1.0		µg/L	1	5/3/2004
Chloroethane	2.0	1.0		µg/L	1	5/3/2004
Trichlorofluoromethane	< 1.0	1.0		µg/L	1	5/3/2004
1,1-Dichloroethene	< 1.0	1.0		µg/L	1	5/3/2004
Methylene chloride	< 1.0	1.0		µg/L	1	5/3/2004
trans-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	5/3/2004
1,1-Dichloroethane	< 1.0	1.0		µg/L	1	5/3/2004
cis-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	5/3/2004
Chloroform	< 1.0	1.0		µg/L	1	5/3/2004
1,1,1-Trichloroethane	< 1.0	1.0		µg/L	1	5/3/2004
Carbon tetrachloride	< 1.0	1.0		µg/L	1	5/3/2004
1,2-Dichloroethane	< 1.0	1.0		µg/L	1	5/3/2004
Trichloroethene	< 1.0	1.0		µg/L	1	5/3/2004
1,2-Dichloropropane	< 1.0	1.0		µg/L	1	5/3/2004
Bromodichloromethane	< 1.0	1.0		µg/L	1	5/3/2004
cis-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	5/3/2004
trans-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	5/3/2004
1,1,2-Trichloroethane	< 1.0	1.0		µg/L	1	5/3/2004
Tetrachloroethene	< 1.0	1.0		µg/L	1	5/3/2004
Dibromochloromethane	< 1.0	1.0		µg/L	1	5/3/2004
Chlorobenzene	1.1	1.0		µg/L	1	5/3/2004
Bromoform	< 1.0	1.0		µg/L	1	5/3/2004
1,1,2,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	5/3/2004
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	5/3/2004
1,4-Dichlorobenzene	< 1.0	1.0		µg/L	1	5/3/2004
1,2-Dichlorobenzene	< 1.0	1.0		µg/L	1	5/3/2004
PURGEABLE AROMATICS		**E602**				Analyst: **SO**
Benzene	1.5	0.5		µg/L	1	5/3/2004
Toluene	< 1.0	1.0		µg/L	1	5/3/2004
Ethylbenzene	< 1.0	1.0		µg/L	1	5/3/2004
m,p-Xylene	< 1.0	1.0		µg/L	1	5/3/2004
o-Xylene	< 1.0	1.0		µg/L	1	5/3/2004
ICP METALS		**E200.7**		**(SW3010A)**		Analyst: **KH**
Arsenic	0.059	0.005		mg/L	1	5/4/2004 2:40:00 PM
Barium	0.469	0.010		mg/L	1	5/4/2004 2:40:00 PM
Cadmium	< 0.005	0.005		mg/L	1	5/4/2004 2:40:00 PM
Chromium	0.014	0.005		mg/L	1	5/4/2004 2:40:00 PM

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *20-May-04*

CLIENT: Acton, Town of
Lab Order: 040423002
Project: Town Landfill
Lab ID: 040423002-005

Client Sample ID: L-15
Collection Date: 4/21/2004
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS		**E200.7**		**(SW3010A)**		Analyst: **KH**
Iron	64.0	0.050		mg/L	1	5/4/2004 2:40:00 PM
Lead	0.026	0.005		mg/L	1	5/4/2004 2:40:00 PM
Manganese	1.71	0.020		mg/L	1	5/4/2004 2:40:00 PM
Selenium	< 0.005	0.005		mg/L	1	5/4/2004 2:40:00 PM
Silver	< 0.010	0.010		mg/L	1	5/4/2004 2:40:00 PM
Sodium	86.9	0.050		mg/L	1	5/4/2004 2:40:00 PM
MERCURY IN WATER		**E245.1**		**(E245.1)**		Analyst: **KH**
Mercury	< 0.0002	0.0002		mg/L	1	4/28/2004
ANIONS BY ION CHROMATOGRAPHY		**E300**				Analyst: **SH**
Chloride	228	1.00		mg/L	1	5/4/2004
Nitrogen, Nitrate (As N)	0.35	0.02		mg/L	1	4/23/2004
Sulfate	7.60	2.00		mg/L	1	4/23/2004
ALKALINITY		**E310.1**				Analyst: **LS**
Alkalinity, Total (As CaCO3)	250	1		mg/L CaCO3	1	5/3/2004
AMMONIA AS N		**E350.1**				Analyst: **KS**
Nitrogen, Ammonia (As N)	13.3	0.1		mg/L	1	5/3/2004
PHENOLS, TOTAL		**E420.1**				Analyst: **LS**
Phenolics, Total Recoverable	< 0.002	0.002		mg/L	1	5/5/2004
TOTAL DISSOLVED SOLIDS		**E160.1**				Analyst: **LS**
TDS (Residue, Filterable)	650	5		mg/L	1	4/27/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *20-May-04*

CLIENT: Acton, Town of
Lab Order: 040423002
Project: Town Landfill
Lab ID: 040423002-006

Client Sample ID: S-8
Collection Date: 4/21/2004
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
PURGEABLE HALOCARBONS		**E601**				Analyst: **SO**
Dichlorodifluoromethane	< 1.0	1.0		µg/L	1	5/3/2004
Chloromethane	< 1.0	1.0		µg/L	1	5/3/2004
Vinyl chloride	< 1.0	1.0		µg/L	1	5/3/2004
Bromomethane	< 1.0	1.0		µg/L	1	5/3/2004
Chloroethane	< 1.0	1.0		µg/L	1	5/3/2004
Trichlorofluoromethane	< 1.0	1.0		µg/L	1	5/3/2004
1,1-Dichloroethene	< 1.0	1.0		µg/L	1	5/3/2004
Methylene chloride	< 1.0	1.0		µg/L	1	5/3/2004
trans-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	5/3/2004
1,1-Dichloroethane	< 1.0	1.0		µg/L	1	5/3/2004
cis-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	5/3/2004
Chloroform	< 1.0	1.0		µg/L	1	5/3/2004
1,1,1-Trichloroethane	< 1.0	1.0		µg/L	1	5/3/2004
Carbon tetrachloride	< 1.0	1.0		µg/L	1	5/3/2004
1,2-Dichloroethane	< 1.0	1.0		µg/L	1	5/3/2004
Trichloroethene	< 1.0	1.0		µg/L	1	5/3/2004
1,2-Dichloropropane	< 1.0	1.0		µg/L	1	5/3/2004
Bromodichloromethane	< 1.0	1.0		µg/L	1	5/3/2004
cis-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	5/3/2004
trans-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	5/3/2004
1,1,2-Trichloroethane	< 1.0	1.0		µg/L	1	5/3/2004
Tetrachloroethene	< 1.0	1.0		µg/L	1	5/3/2004
Dibromochloromethane	< 1.0	1.0		µg/L	1	5/3/2004
Chlorobenzene	< 1.0	1.0		µg/L	1	5/3/2004
Bromoform	< 1.0	1.0		µg/L	1	5/3/2004
1,1,2,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	5/3/2004
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	5/3/2004
1,4-Dichlorobenzene	< 1.0	1.0		µg/L	1	5/3/2004
1,2-Dichlorobenzene	< 1.0	1.0		µg/L	1	5/3/2004
PURGEABLE AROMATICS		**E602**				Analyst: **SO**
Benzene	< 0.5	0.5		µg/L	1	5/3/2004
Toluene	< 1.0	1.0		µg/L	1	5/3/2004
Ethylbenzene	< 1.0	1.0		µg/L	1	5/3/2004
m,p-Xylene	< 1.0	1.0		µg/L	1	5/3/2004
o-Xylene	< 1.0	1.0		µg/L	1	5/3/2004
ICP METALS		**E200.7**		**(SW3010A)**		Analyst: **KH**
Arsenic	< 0.005	0.005		mg/L	1	5/4/2004 3:22:00 PM
Barium	0.045	0.010		mg/L	1	5/4/2004 3:22:00 PM
Cadmium	< 0.005	0.005		mg/L	1	5/4/2004 3:22:00 PM
Chromium	< 0.005	0.005		mg/L	1	5/4/2004 3:22:00 PM

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *20-May-04*

CLIENT: Acton, Town of
Lab Order: 040423002
Project: Town Landfill
Lab ID: 040423002-006

Client Sample ID: S-8
Collection Date: 4/21/2004
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS		**E200.7**		**(SW3010A)**		Analyst: **KH**
Iron	0.579	0.050		mg/L	1	5/4/2004 3:22:00 PM
Lead	< 0.005	0.005		mg/L	1	5/4/2004 3:22:00 PM
Manganese	0.189	0.020		mg/L	1	5/4/2004 3:22:00 PM
Selenium	< 0.005	0.005		mg/L	1	5/4/2004 3:22:00 PM
Silver	< 0.010	0.010		mg/L	1	5/4/2004 3:22:00 PM
Sodium	76.7	0.050		mg/L	1	5/4/2004 3:22:00 PM
MERCURY IN WATER		**E245.1**		**(E245.1)**		Analyst: **KH**
Mercury	< 0.0002	0.0002		mg/L	1	4/28/2004
ANIONS BY ION CHROMATOGRAPHY		**E300**				Analyst: **SH**
Chloride	219	1.00		mg/L	1	5/4/2004
Nitrogen, Nitrate (As N)	0.99	0.02		mg/L	1	4/23/2004
Sulfate	17.0	2.00		mg/L	1	4/23/2004
ALKALINITY		**E310.1**				Analyst: **LS**
Alkalinity, Total (As CaCO3)	26	1		mg/L CaCO3	1	5/3/2004
AMMONIA AS N		**E350.1**				Analyst: **KS**
Nitrogen, Ammonia (As N)	< 0.1	0.1		mg/L	1	5/3/2004
TOTAL DISSOLVED SOLIDS		**E160.1**				Analyst: **LS**
TDS (Residue, Filterable)	405	5		mg/L	1	4/27/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *20-May-04*

CLIENT: Acton, Town of
Lab Order: 040423002
Project: Town Landfill
Lab ID: 040423002-007

Client Sample ID: L-2
Collection Date: 4/21/2004
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
PURGEABLE HALOCARBONS		**E601**				Analyst: **SO**
Dichlorodifluoromethane	< 1.0	1.0		µg/L	1	5/3/2004
Chloromethane	< 1.0	1.0		µg/L	1	5/3/2004
Vinyl chloride	< 1.0	1.0		µg/L	1	5/3/2004
Bromomethane	< 1.0	1.0		µg/L	1	5/3/2004
Chloroethane	< 1.0	1.0		µg/L	1	5/3/2004
Trichlorofluoromethane	< 1.0	1.0		µg/L	1	5/3/2004
1,1-Dichloroethene	< 1.0	1.0		µg/L	1	5/3/2004
Methylene chloride	< 1.0	1.0		µg/L	1	5/3/2004
trans-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	5/3/2004
1,1-Dichloroethane	< 1.0	1.0		µg/L	1	5/3/2004
cis-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	5/3/2004
Chloroform	< 1.0	1.0		µg/L	1	5/3/2004
1,1,1-Trichloroethane	< 1.0	1.0		µg/L	1	5/3/2004
Carbon tetrachloride	< 1.0	1.0		µg/L	1	5/3/2004
1,2-Dichloroethane	< 1.0	1.0		µg/L	1	5/3/2004
Trichloroethene	< 1.0	1.0		µg/L	1	5/3/2004
1,2-Dichloropropane	< 1.0	1.0		µg/L	1	5/3/2004
Bromodichloromethane	< 1.0	1.0		µg/L	1	5/3/2004
cis-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	5/3/2004
trans-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	5/3/2004
1,1,2-Trichloroethane	< 1.0	1.0		µg/L	1	5/3/2004
Tetrachloroethene	< 1.0	1.0		µg/L	1	5/3/2004
Dibromochloromethane	< 1.0	1.0		µg/L	1	5/3/2004
Chlorobenzene	< 1.0	1.0		µg/L	1	5/3/2004
Bromoform	< 1.0	1.0		µg/L	1	5/3/2004
1,1,2,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	5/3/2004
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	5/3/2004
1,4-Dichlorobenzene	< 1.0	1.0		µg/L	1	5/3/2004
1,2-Dichlorobenzene	< 1.0	1.0		µg/L	1	5/3/2004
PURGEABLE AROMATICS		**E602**				Analyst: **SO**
Benzene	< 0.5	0.5		µg/L	1	5/3/2004
Toluene	< 1.0	1.0		µg/L	1	5/3/2004
Ethylbenzene	< 1.0	1.0		µg/L	1	5/3/2004
m,p-Xylene	< 1.0	1.0		µg/L	1	5/3/2004
o-Xylene	< 1.0	1.0		µg/L	1	5/3/2004
ICP METALS		**E200.7**		**(SW3010A)**		Analyst: **KH**
Arsenic	< 0.005	0.005		mg/L	1	5/4/2004 3:26:00 PM
Barium	0.147	0.010		mg/L	1	5/4/2004 3:26:00 PM
Cadmium	< 0.005	0.005		mg/L	1	5/4/2004 3:26:00 PM
Chromium	0.045	0.005		mg/L	1	5/4/2004 3:26:00 PM

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *20-May-04*

CLIENT: Acton, Town of
Lab Order: 040423002
Project: Town Landfill
Lab ID: 040423002-007

Client Sample ID: L-2
Collection Date: 4/21/2004
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS		**E200.7**		**(SW3010A)**		Analyst: **KH**
Iron	80.5	0.050		mg/L	1	5/4/2004 3:26:00 PM
Lead	0.025	0.005		mg/L	1	5/4/2004 3:26:00 PM
Manganese	0.734	0.020		mg/L	1	5/4/2004 3:26:00 PM
Selenium	< 0.005	0.005		mg/L	1	5/4/2004 3:26:00 PM
Silver	< 0.010	0.010		mg/L	1	5/4/2004 3:26:00 PM
Sodium	53.8	0.050		mg/L	1	5/4/2004 3:26:00 PM
MERCURY IN WATER		**E245.1**		**(E245.1)**		Analyst: **KH**
Mercury	< 0.0002	0.0002		mg/L	1	4/28/2004
ANIONS BY ION CHROMATOGRAPHY		**E300**				Analyst: **SH**
Chloride	123	1.00		mg/L	1	5/4/2004
Nitrogen, Nitrate (As N)	0.41	0.02		mg/L	1	4/23/2004
Sulfate	19.0	2.00		mg/L	1	4/23/2004
ALKALINITY		**E310.1**				Analyst: **LS**
Alkalinity, Total (As CaCO3)	14	1		mg/L CaCO3	1	5/3/2004
AMMONIA AS N		**E350.1**				Analyst: **KS**
Nitrogen, Ammonia (As N)	< 0.1	0.1		mg/L	1	5/3/2004
TOTAL DISSOLVED SOLIDS		**E160.1**				Analyst: **LS**
TDS (Residue, Filterable)	272	5		mg/L	1	4/27/2004

Qualifiers:

ND - Not Detected at the Reporting Limit
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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *20-May-04*

CLIENT: Acton, Town of
Lab Order: 040423002
Project: Town Landfill
Lab ID: 040423002-008

Client Sample ID: Trip Blank Lot#086
Collection Date: 4/21/2004
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
PURGEABLE HALOCARBONS		**E601**				Analyst: **SO**
Dichlorodifluoromethane	< 1.0	1.0		µg/L	1	5/3/2004
Chloromethane	< 1.0	1.0		µg/L	1	5/3/2004
Vinyl chloride	< 1.0	1.0		µg/L	1	5/3/2004
Bromomethane	< 1.0	1.0		µg/L	1	5/3/2004
Chloroethane	< 1.0	1.0		µg/L	1	5/3/2004
Trichlorofluoromethane	< 1.0	1.0		µg/L	1	5/3/2004
1,1-Dichloroethene	< 1.0	1.0		µg/L	1	5/3/2004
Methylene chloride	< 1.0	1.0		µg/L	1	5/3/2004
trans-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	5/3/2004
1,1-Dichloroethane	< 1.0	1.0		µg/L	1	5/3/2004
cis-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	5/3/2004
Chloroform	< 1.0	1.0		µg/L	1	5/3/2004
1,1,1-Trichloroethane	< 1.0	1.0		µg/L	1	5/3/2004
Carbon tetrachloride	< 1.0	1.0		µg/L	1	5/3/2004
1,2-Dichloroethane	< 1.0	1.0		µg/L	1	5/3/2004
Trichloroethene	< 1.0	1.0		µg/L	1	5/3/2004
1,2-Dichloropropane	< 1.0	1.0		µg/L	1	5/3/2004
Bromodichloromethane	< 1.0	1.0		µg/L	1	5/3/2004
cis-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	5/3/2004
trans-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	5/3/2004
1,1,2-Trichloroethane	< 1.0	1.0		µg/L	1	5/3/2004
Tetrachloroethene	< 1.0	1.0		µg/L	1	5/3/2004
Dibromochloromethane	< 1.0	1.0		µg/L	1	5/3/2004
Chlorobenzene	< 1.0	1.0		µg/L	1	5/3/2004
Bromoform	< 1.0	1.0		µg/L	1	5/3/2004
1,1,2,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	5/3/2004
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	5/3/2004
1,4-Dichlorobenzene	< 1.0	1.0		µg/L	1	5/3/2004
1,2-Dichlorobenzene	< 1.0	1.0		µg/L	1	5/3/2004
PURGEABLE AROMATICS		**E602**				Analyst: **SO**
Benzene	< 0.5	0.5		µg/L	1	5/3/2004
Toluene	< 1.0	1.0		µg/L	1	5/3/2004
Ethylbenzene	< 1.0	1.0		µg/L	1	5/3/2004
m,p-Xylene	< 1.0	1.0		µg/L	1	5/3/2004
o-Xylene	< 1.0	1.0		µg/L	1	5/3/2004

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Adirondack Environmental Services, Inc.
314 North Pearl Street
Albany, New York 12207
518-434-4546/434-0891 FAX

1 of 3

CHAIN OF CUSTODY RECORD

A full service analytical research laboratory offering solutions to environmental concerns

Client Name: Corey York / Town of Acton	Address: 472 Main Street Acton, MA 01720
Send Report To: Corey York	Project Name (Location): Town of Acton Landfill
Samplers: (Names): Corey York & David Abbot	
Client Phone No: 978 264-9628	PO Number: 20042786-00
Client Fax No: 978 264-9630	Samplers: (Signature): [signature] D. Abbot

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.	Sample Type Matrix	Comp	Grab	Number of Cont's	Analysis Required
4-P/G-F-U	L-11	4.21.04	9:45 A/P	GW		✓	1	Alkalinity
8-P-P.H2SO4	L-11	4.21.04	9:45 A/P	GW		✓	1	Ammonia-W
16-P-P-Nitric	L-11	4.21.04	9:45 A/P	GW		✓	1	ICP METALS W
32-P-F-U	L-11	4.21.04	9:45 A/P	GW		✓	1	IC SCAN-W TDS-W
VOA-G.T.HCl	L-12	4.21.04	11:30 A/P	GW		✓	2	E601 & E602
4-P/G-F-U	L-12	4.21.04	11:30 A/P	GW		✓	1	Alkalinity
8-P.P.H2SO4	L-12	4.21.04	11:30 A/P	GW		✓	1	Ammonia-W
16-P-P-Nitric	L-12	4.21.04	11:30 A/P	GW		✓	1	ICP METALS W MECURY-WW
32-P-F-U	L-12	4.21.04	11:30 A/P	GW		✓	1	IC SCAN-W TDS-W
VOA-G-T-HCl	L-13	4.21.04	12:30 A/P	GW		✓	2	E601 & E602
4-P/G-F-U	L-13	4.21.04	12:30 A/P	GW		✓	1	Alkalinity
8-P.P.H2SO4	L-13	4.21.04	12:30 A/P	GW		✓	1	Ammonia-W
16-P.P.Nitric	L-13	4.21.04	12:30 A/P	GW		✓	1	ICP METALS W MERCURY-WW
32-P.F.U	L-13	4.21.04	12:30 A/P	GW		✓	1	IC SCAN-W TDS-W

001 002 003

04042300 2

Turnaround Time Request:
☐ 1 Day ☐ 3 Day ☑ Normal
☐ 2 Day ☐ 5 Day

Special Instructions/Remarks
Attached herewith is a table showing the types of analyses required for each samples taken around the landfill.
Corey York

CC Report To: C. Y

Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Relinquished by: (Signature)	Received for Laboratory by: M L	Date/Time 4/23/4 8:00

Temperature Ambient or Chilled 10°C
Notes:

Properly Preserved Y N
Notes:

Received Within Holding Times Y N
Notes:

WHITE - Lab Copy YELLOW - Sampler Copy PINK - Generator Copy

Adirondack Environmental Services, Inc.
314 North Pearl Street
Albany, New York 12207
518-434-4546/434-0891 FAX

2 of 3

CHAIN OF CUSTODY RECORD

A full service analytical research laboratory offering solutions to environmental concerns

Client Name: Corey York / Town of Acton	Address: 472 Main Street Acton, MA 01720	
Send Report To: Corey York	Project Name (Location) Town of Acton Landfill	Samplers: (Names) Corey York & David Abbt
Client Phone No: 978 264-9628	PO Number: 20042786-00	Samplers: (Signature)
Client Fax No: 978 264-9630		

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.		Sample Type Matrix	Comp	Grab	Number of Cont's	Analysis Required
32-G-P-H2SO4	L-13 → 003	4-21-04	12:30	A P	GW		✓	1	Phenols-Water
VOA-G-T-HCL	L-14	4-21-04	1:30	A P	GW		✓	2	VOC
4-P/G-F-U	L-14	4-21-04	1:30	A P	GW		✓	1	Alkalinity
8-P-P-H2SO4	L-14	4-21-04	1:30	A P	GW		✓	1	Ammonia-W
16-P-P-Nitric	L-14 004	4-21-04	1:30	A P	GW		✓	1	ICP METALS W MERCURY-WW
32-P-F-U	L-14	4-21-04	1:30	A P	GW		✓	1	IC-SCAN-W TDS-W
32-G-P-H2SO4	L-14	4-21-04	1:30	A P	GW		✓	1	Phenols-Water
VOA-G-T-HCl	L-15	4-21-04	1:10	A P	GW		✓	2	E601 & E602
4-P/G-F-U	L-15	4-21-04	1:10	A P	GW		✓	1	Alkalinity
8-P-P-H2SO4	L-15	4-21-04	1:10	A P	GW		✓	1	Ammonia-W
16-P-P-Nitric	L-15 005	4-21-04	1:10	A P	GW		✓	1	ICP METALS MERCURY-WW
32-P-F-U	L-15	4-21-04	1:10	A P	GW		✓	1	IC SCAN-W TDS-W
32-G-P-H2SO4	L-15	4-21-04	1:10	A P	GW		✓	1	Phenols-Water
VOA-G-T-HCl	S-8 → 006	4-21-04	9:30	A P	GW		✓	2	E601 & E602

Turnaround Time Request:
☐ 1 Day ☐ 3 Day ☑ Normal
☐ 2 Day ☐ 5 Day

040423002

CC Report To:

Special Instructions/Remarks
Attached herewith is a table showing the types of Analyses required for each sample taken around the landfill.
Corey York

Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Relinquished by: (Signature)	Received for Laboratory by: M.	Date/Time 4/23/4 8a

Temperature	Properly Preserved	Received Within Holding Times
Ambient or Chilled 10°C	Y N	Y N
Notes:	Notes:	Notes:

WHITE - Lab Copy YELLOW - Sampler Copy PINK - Generator Copy

Adirondack Environmental Services, Inc.
314 North Pearl Street
Albany, New York 12207
518-434-4546/434-0891 FAX

3 of 3

CHAIN OF CUSTODY RECORD

A full service analytical research laboratory offering solutions to environmental concerns

Client Name: Corey York / Town of Acton	Address: 472 Main Street Acton, MA 01720	
Send Report To: Corey York	Project Name (Location) Town of Acton Landfill	Samplers: (Names) Corey York & David Abbt
Client Phone No: 978 264-9628	PO Number: 20042786-00	Samplers: (Signature)
Client Fax No: 978 264-9630		

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.		Sample Type Matrix	Comp	Grab	Number of Cont's	Analysis Required
4.P/G.F.U	S-8	4.21.04	9:30	A P	GW		✓	1	Alkalinity
8.P.P.H2SO4	S-8	4.21.04	9:30	A P	GW		✓	1	Ammonia-W
16.P.P.nitric	S-8 006	4.21.04	9:30	A P	GW		✓	1	ICP METALS W MERCURY-WW
32.P.F.U	S-8	4.21.04	9:30	A P	GW		✓	1	IC-SCAN-W TDS-W
VOA.G.T.HCl	L-2	4.21.04	10:45	A P	GW		✓	2	E601 & E602
4.P/G.F.U	L-2	4.21.04	10:45	A P	GW		✓	1	Alkalinity
8.P.P.H2SO4	L-2 007	4.21.04	10:45	A P	GW		✓	1	Ammonia-W
16.P.P.nitric	L-2	4.21.04	10:45	A P	GW		✓	1	ICP-METALS W MERCURY-WW
32.P.F.U	L-2	4.21.04	10:45	A P	GW		✓	1	IC SCAN-W TDS-W
008	TRIP BLANK - H_2O & Hydrochloric Acid Solution LOT#086	-		A P				1	
	TRIP BLANK - H_2O & Hydrochloric Acid Solution Lot#086	-		A P				1	
				A P					
	040423002			A P					
				A P					

Turnaround Time Request:
☐ 1 Day ☐ 3 Day ☑ Normal
☐ 2 Day ☐ 5 Day

CC Report To:

Special Instructions/Remarks
Attached herewith is a table showing the types of analyses required for each sample taken around the landfill.
Corey York

Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Relinquished by: (Signature)	Received for Laboratory by: M.	Date/Time 4/23/4 800

Temperature	Properly Preserved	Received Within Holding Times
Ambient or Chilled 10°C	(Y) N	(Y) N
Notes:	Notes:	Notes:

WHITE - Lab Copy YELLOW - Sampler Copy PINK - Generator Copy

Adirondack Environmental Services, Inc.
Experience is the solution
314 North Pearl Street • Albany, New York 12207 • (518) 434-4546 • Fax (518) 434-0891

TERMS, CONDITIONS & LIMITATIONS

All Services rendered by **Adirondack Environmental Services, Inc.** are undertaken and all rates are based upon the following terms:

(a) Neither **Adirondack Environmental Services, Inc.**, nor any of its employees, agents or sub-contractors shall be liable for any loss or damage arising out of **Adirondack Environmental Services, Inc.'s** performance or nonperformance, whether by way of negligence or breach of contract, or otherwise, in any amount greater than twice the amount billed to the customer for the work leading to the claim of the customer. Said remedy shall be the sole and exclusive remedy against **Adirondack Environmental Services, Inc.** arising out of its work.

(b) All claims made must be in writing within forty-five (45) days after delivery of the **Adirondack Environmental Services, Inc.** report regarding said work or such claim shall be deemed as irrevocably waived.

(c) **Adirondack Environmental Services, Inc.** reports are submitted in writing and are for our customers only. Our customers are considered to be only those entities being billed for our services. Acquisition of an **Adirondack Environmental Services, Inc.** report by other than our customer does not constitute a representation of **Adirondack Environmental Services, Inc.** as to the accuracy of the contents thereof.

(d) In no event shall **Adirondack Environmental Services, Inc.**, its employees agents or sub-contractors be responsible for consequential or special damages of any kind or in any amount.

(e) No deviation from the terms set forth herein shall bind **Adirondack Environmental Services, Inc.** unless in writing and signed by a Director of **Adirondack Environmental Services, Inc.**

(f) Results pertain only to items analyzed. Information supplied by client is assumed to be correct. This information may be used on reports and in calculations and **Adirondack Environmental Services, Inc.** is not responsible for the accuracy of this information.

TOWN OF ACTON
472 Main Street
Acton, Massachusetts, 01720
Telephone (978) 264-9628
Fax (978) 264-9630

Engineering Department

June 30, 2005

John Reagan
Massachusetts Department of Environmental Protection
627 Main Street
Worcester, Massachusetts 01608

Dear Mr. Reagan:

Please find attached the groundwater analyses of wells at the former Acton Landfill. The Acton Engineering Department collected the groundwater samples on May 2, 2005. Adirondack Environmental Services Incorporated performed the lab work between May 3 and May 12, 2005.

If you should require any additional information or have any questions, please contact me at (978) 264-9628.

Sincerely,

Corey S. York
Engineering Assistant

csy

2005

Adirondack Environmental Services Inc ®
Experience is the solution
314 North Pearl Street ♦ Albany, New York 12207
(800) 848-4983 ♦ (518) 434-4546 ♦ Fax (518) 434-0891

May 17, 2005

Corey York
Acton, Town of
Engineering Dept.
472 Main Street
Acton, MA 01720

TEL: 978 264 9628
FAX: 978 264 9630

Work Order No: 050503007

RE: Town Landfill
T/O Acton Landfill

Dear Corey York:

Adirondack Environmental Services, Inc received 8 samples on 5/3/2005 for the analyses presented in the following report.

There were no problems with the analyses and all associated QC met EPA or laboratory specifications, except if noted.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

ELAP#: 10709
AIHA#: 100307

Tara Daniels
Laboratory Manager

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quanititation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	T - Tentitively Identified Compound-Estimated Conc.
	* - Value exceeds Maximum Contaminant Level	E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *17-May-05*

CLIENT: Acton, Town of
Work Order: 050503007
Project: Town Landfill
PO#:

Client Sample ID: L-2
Collection Date: 5/2/2005
Lab Sample ID: 050503007-001
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
PURGEABLE HALOCARBONS E601						Analyst: **SO**
Dichlorodifluoromethane	< 1.0	1.0		µg/L	1	5/12/2005
Chloromethane	< 1.0	1.0		µg/L	1	5/12/2005
Vinyl chloride	< 1.0	1.0		µg/L	1	5/12/2005
Bromomethane	< 1.0	1.0		µg/L	1	5/12/2005
Chloroethane	< 1.0	1.0		µg/L	1	5/12/2005
Trichlorofluoromethane	< 1.0	1.0		µg/L	1	5/12/2005
1,1-Dichloroethene	< 1.0	1.0		µg/L	1	5/12/2005
Methylene chloride	< 1.0	1.0		µg/L	1	5/12/2005
trans-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	5/12/2005
1,1-Dichloroethane	< 1.0	1.0		µg/L	1	5/12/2005
cis-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	5/12/2005
Chloroform	< 1.0	1.0		µg/L	1	5/12/2005
1,1,1-Trichloroethane	< 1.0	1.0		µg/L	1	5/12/2005
Carbon tetrachloride	< 1.0	1.0		µg/L	1	5/12/2005
1,2-Dichloroethane	< 1.0	1.0		µg/L	1	5/12/2005
Trichloroethene	< 1.0	1.0		µg/L	1	5/12/2005
1,2-Dichloropropane	< 1.0	1.0		µg/L	1	5/12/2005
Bromodichloromethane	< 1.0	1.0		µg/L	1	5/12/2005
cis-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	5/12/2005
trans-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	5/12/2005
1,1,2-Trichloroethane	< 1.0	1.0		µg/L	1	5/12/2005
Tetrachloroethene	< 1.0	1.0		µg/L	1	5/12/2005
Dibromochloromethane	< 1.0	1.0		µg/L	1	5/12/2005
Chlorobenzene	< 1.0	1.0		µg/L	1	5/12/2005
Bromoform	< 1.0	1.0		µg/L	1	5/12/2005
1,1,2,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	5/12/2005
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	5/12/2005
1,4-Dichlorobenzene	< 1.0	1.0		µg/L	1	5/12/2005
1,2-Dichlorobenzene	< 1.0	1.0		µg/L	1	5/12/2005
PURGEABLE AROMATICS E602						Analyst: **SO**
Benzene	< 0.5	0.5		µg/L	1	5/12/2005
Toluene	< 1.0	1.0		µg/L	1	5/12/2005
Ethylbenzene	< 1.0	1.0		µg/L	1	5/12/2005
m,p-Xylene	< 1.0	1.0		µg/L	1	5/12/2005
o-Xylene	< 1.0	1.0		µg/L	1	5/12/2005
ICP METALS E200.7(SW3010A)						Analyst: **SM**
Arsenic	< 0.005	0.005		mg/L	1	5/12/2005 2:43:00 PM
Barium	0.157	0.010		mg/L	1	5/12/2005 2:43:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
T - Tentitively Identified Compound-Estimated Conc.
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *17-May-05*

CLIENT: Acton, Town of
Work Order: 050503007
Project: Town Landfill
PO#:

Client Sample ID: L-2
Collection Date: 5/2/2005
Lab Sample ID: 050503007-001
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS E200.7(SW3010A)						Analyst: **SM**
Cadmium	< 0.005	0.005		mg/L	1	5/12/2005 2:43:00 PM
Chromium	< 0.005	0.005		mg/L	1	5/12/2005 2:43:00 PM
Iron	8.74	0.050		mg/L	1	5/12/2005 2:43:00 PM
Lead	< 0.005	0.005		mg/L	1	5/12/2005 2:43:00 PM
Manganese	0.455	0.020		mg/L	1	5/12/2005 2:43:00 PM
Selenium	< 0.005	0.005		mg/L	1	5/12/2005 2:43:00 PM
Silver	< 0.010	0.010		mg/L	1	5/12/2005 2:43:00 PM
Sodium	181	0.500		mg/L	10	5/12/2005 4:49:00 PM
MERCURY E245.1(E245.1)						Analyst: **SM**
Mercury	< 0.0002	0.0002		mg/L	1	5/5/2005
ANIONS BY ION CHROMATOGRAPHY E300						Analyst: **SH**
Chloride	329	1.00		mg/L	1	5/5/2005
Nitrate, Nitrogen (As N)	0.64	0.02		mg/L	1	5/3/2005
Sulfate	25.0	2.00		mg/L	1	5/3/2005
ALKALINITY E310.1						Analyst: **LS**
Alkalinity, Total (As CaCO3)	30	1		mg/L	1	5/3/2005
AMMONIA E350.1						Analyst: **PL**
Nitrogen, Ammonia (As N)	0.1	0.1		mg/L	1	5/9/2005
TOTAL DISSOLVED SOLIDS E160.1						Analyst: **LS**
TDS (Residue, Filterable)	600	5		mg/L	1	5/5/2005

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
T - Tentitively Identified Compound-Estimated Conc.
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *17-May-05*

CLIENT: Acton, Town of
Work Order: 050503007
Project: Town Landfill
PO#:

Client Sample ID: L-11
Collection Date: 5/2/2005
Lab Sample ID: 050503007-002
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS E200.7(SW3010A)						Analyst: **SM**
Iron	30.1	0.050		mg/L	1	5/12/2005 2:47:00 PM
Lead	< 0.005	0.005		mg/L	1	5/12/2005 2:47:00 PM
Manganese	2.00	0.020		mg/L	1	5/12/2005 2:47:00 PM
Sodium	117	0.050		mg/L	1	5/12/2005 2:47:00 PM
ANIONS BY ION CHROMATOGRAPHY E300						Analyst: **SH**
Chloride	273	1.00		mg/L	1	5/5/2005
Nitrate, Nitrogen (As N)	0.05	0.02		mg/L	1	5/3/2005
Sulfate	12.0	2.00		mg/L	1	5/3/2005
ALKALINITY E310.1						Analyst: **LS**
Alkalinity, Total (As CaCO3)	14	1		mg/L	1	5/3/2005
AMMONIA E350.1						Analyst: **PL**
Nitrogen, Ammonia (As N)	0.3	0.1		mg/L	1	5/9/2005
TOTAL DISSOLVED SOLIDS E160.1						Analyst: **LS**
TDS (Residue, Filterable)	505	5		mg/L	1	5/5/2005

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
T - Tentitively identified Compound-Estimated Conc.
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *17-May-05*

CLIENT: Acton, Town of
Work Order: 050503007
Project: Town Landfill
PO#:

Client Sample ID: L-12
Collection Date: 5/2/2005
Lab Sample ID: 050503007-003
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
PURGEABLE HALOCARBONS E601						Analyst: **SO**
Dichlorodifluoromethane	9.9	1.0		µg/L	1	5/12/2005
Chloromethane	< 1.0	1.0		µg/L	1	5/12/2005
Vinyl chloride	< 1.0	1.0		µg/L	1	5/12/2005
Bromomethane	< 1.0	1.0		µg/L	1	5/12/2005
Chloroethane	4.5	1.0		µg/L	1	5/12/2005
Trichlorofluoromethane	< 1.0	1.0		µg/L	1	5/12/2005
1,1-Dichloroethene	< 1.0	1.0		µg/L	1	5/12/2005
Methylene chloride	< 1.0	1.0		µg/L	1	5/12/2005
trans-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	5/12/2005
1,1-Dichloroethane	< 1.0	1.0		µg/L	1	5/12/2005
cis-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	5/12/2005
Chloroform	< 1.0	1.0		µg/L	1	5/12/2005
1,1,1-Trichloroethane	< 1.0	1.0		µg/L	1	5/12/2005
Carbon tetrachloride	< 1.0	1.0		µg/L	1	5/12/2005
1,2-Dichloroethane	< 1.0	1.0		µg/L	1	5/12/2005
Trichloroethene	< 1.0	1.0		µg/L	1	5/12/2005
1,2-Dichloropropane	< 1.0	1.0		µg/L	1	5/12/2005
Bromodichloromethane	< 1.0	1.0		µg/L	1	5/12/2005
cis-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	5/12/2005
trans-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	5/12/2005
1,1,2-Trichloroethane	< 1.0	1.0		µg/L	1	5/12/2005
Tetrachloroethene	< 1.0	1.0		µg/L	1	5/12/2005
Dibromochloromethane	< 1.0	1.0		µg/L	1	5/12/2005
Chlorobenzene	14	1.0		µg/L	1	5/12/2005
Bromoform	< 1.0	1.0		µg/L	1	5/12/2005
1,1,2,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	5/12/2005
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	5/12/2005
1,4-Dichlorobenzene	< 1.0	1.0		µg/L	1	5/12/2005
1,2-Dichlorobenzene	1.7	1.0		µg/L	1	5/12/2005
PURGEABLE AROMATICS E602						Analyst: **SO**
Benzene	1.0	0.5		µg/L	1	5/12/2005
Toluene	< 1.0	1.0		µg/L	1	5/12/2005
Ethylbenzene	< 1.0	1.0		µg/L	1	5/12/2005
m,p-Xylene	< 1.0	1.0		µg/L	1	5/12/2005
o-Xylene	< 1.0	1.0		µg/L	1	5/12/2005
ICP METALS E200.7(SW3010A)						Analyst: **SM**
Arsenic	< 0.005	0.005		mg/L	1	5/12/2005 2:55:00 PM
Barium	0.102	0.010		mg/L	1	5/12/2005 2:55:00 PM

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
T - Tentitively Identified Compound-Estimated Conc.
E - Value above quamitation range

Adirondack Environmental Services, Inc

Date: *17-May-05*

CLIENT: Acton, Town of
Work Order: 050503007
Project: Town Landfill
PO#:

Client Sample ID: L-12
Collection Date: 5/2/2005
Lab Sample ID: 050503007-003
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS E200.7(SW3010A)						Analyst: **SM**
Cadmium	< 0.005	0.005		mg/L	1	5/12/2005 2:55:00 PM
Chromium	0.015	0.005		mg/L	1	5/12/2005 2:55:00 PM
Iron	62.1	0.050		mg/L	1	5/12/2005 2:55:00 PM
Lead	< 0.005	0.005		mg/L	1	5/12/2005 2:55:00 PM
Manganese	1.30	0.020		mg/L	1	5/12/2005 2:55:00 PM
Selenium	< 0.005	0.005		mg/L	1	5/12/2005 2:55:00 PM
Silver	< 0.010	0.010		mg/L	1	5/12/2005 2:55:00 PM
Sodium	60.7	0.050		mg/L	1	5/12/2005 2:55:00 PM
MERCURY E245.1(E245.1)						Analyst: **SM**
Mercury	< 0.0002	0.0002		mg/L	1	5/5/2005
ANIONS BY ION CHROMATOGRAPHY E300						Analyst: **SH**
Chloride	57.0	1.00		mg/L	1	5/5/2005
Nitrate, Nitrogen (As N)	< 0.02	0.02		mg/L	1	5/3/2005
Sulfate	8.60	2.00		mg/L	1	5/3/2005
ALKALINITY E310.1						Analyst: **LS**
Alkalinity, Total (As CaCO3)	700	1		mg/L	1	5/3/2005
AMMONIA E350.1						Analyst: **PL**
Nitrogen, Ammonia (As N)	18.0	0.1		mg/L	1	5/9/2005
TOTAL DISSOLVED SOLIDS E160.1						Analyst: **LS**
TDS (Residue, Filterable)	625	5		mg/L	1	5/5/2005

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
T - Tentitively Identified Compound-Estimated Conc.
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *17-May-05*

CLIENT: Acton, Town of
Work Order: 050503007
Project: Town Landfill
PO#:

Client Sample ID: L-13
Collection Date: 5/2/2005
Lab Sample ID: 050503007-004
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
PURGEABLE HALOCARBONS E601						Analyst: **SO**
Dichlorodifluoromethane	26	1.0		µg/L	1	5/12/2005
Chloromethane	< 1.0	1.0		µg/L	1	5/12/2005
Vinyl chloride	< 1.0	1.0		µg/L	1	5/12/2005
Bromomethane	< 1.0	1.0		µg/L	1	5/12/2005
Chloroethane	15	1.0		µg/L	1	5/12/2005
Trichlorofluoromethane	< 1.0	1.0		µg/L	1	5/12/2005
1,1-Dichloroethene	< 1.0	1.0		µg/L	1	5/12/2005
Methylene chloride	< 1.0	1.0		µg/L	1	5/12/2005
trans-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	5/12/2005
1,1-Dichloroethane	< 1.0	1.0		µg/L	1	5/12/2005
cis-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	5/12/2005
Chloroform	< 1.0	1.0		µg/L	1	5/12/2005
1,1,1-Trichloroethane	< 1.0	1.0		µg/L	1	5/12/2005
Carbon tetrachloride	< 1.0	1.0		µg/L	1	5/12/2005
1,2-Dichloroethane	< 1.0	1.0		µg/L	1	5/12/2005
Trichloroethene	< 1.0	1.0		µg/L	1	5/12/2005
1,2-Dichloropropane	< 1.0	1.0		µg/L	1	5/12/2005
Bromodichloromethane	< 1.0	1.0		µg/L	1	5/12/2005
cis-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	5/12/2005
trans-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	5/12/2005
1,1,2-Trichloroethane	< 1.0	1.0		µg/L	1	5/12/2005
Tetrachloroethene	< 1.0	1.0		µg/L	1	5/12/2005
Dibromochloromethane	< 1.0	1.0		µg/L	1	5/12/2005
Chlorobenzene	7.1	1.0		µg/L	1	5/12/2005
Bromoform	< 1.0	1.0		µg/L	1	5/12/2005
1,1,2,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	5/12/2005
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	5/12/2005
1,4-Dichlorobenzene	< 1.0	1.0		µg/L	1	5/12/2005
1,2-Dichlorobenzene	< 1.0	1.0		µg/L	1	5/12/2005
PURGEABLE AROMATICS E602						Analyst: **SO**
Benzene	3.2	0.5		µg/L	1	5/12/2005
Toluene	< 1.0	1.0		µg/L	1	5/12/2005
Ethylbenzene	< 1.0	1.0		µg/L	1	5/12/2005
m,p-Xylene	< 1.0	1.0		µg/L	1	5/12/2005
o-Xylene	< 1.0	1.0		µg/L	1	5/12/2005
ICP METALS E200.7(SW3010A)						Analyst: **SM**
Arsenic	< 0.005	0.005		mg/L	1	5/12/2005 3:16:00 PM
Barium	0.463	0.010		mg/L	1	5/12/2005 3:16:00 PM

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
T - Tentitively Identified Compound-Estimated Conc.
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *17-May-05*

CLIENT: Acton, Town of
Work Order: 050503007
Project: Town Landfill
PO#:

Client Sample ID: L-13
Collection Date: 5/2/2005
Lab Sample ID: 050503007-004
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS E200.7(SW3010A)						Analyst: **SM**
Cadmium	< 0.005	0.005		mg/L	1	5/12/2005 3:16:00 PM
Chromium	0.013	0.005		mg/L	1	5/12/2005 3:16:00 PM
Iron	43.2	0.050		mg/L	1	5/12/2005 3:16:00 PM
Lead	< 0.005	0.005		mg/L	1	5/12/2005 3:16:00 PM
Manganese	1.57	0.020		mg/L	1	5/12/2005 3:16:00 PM
Selenium	< 0.005	0.005		mg/L	1	5/12/2005 3:16:00 PM
Silver	< 0.010	0.010		mg/L	1	5/12/2005 3:16:00 PM
Sodium	67.2	0.500		mg/L	10	5/12/2005 4:53:00 PM
MERCURY E245.1(E245.1)						Analyst: **SM**
Mercury	< 0.0002	0.0002		mg/L	1	5/5/2005
ANIONS BY ION CHROMATOGRAPHY E300						Analyst: **SH**
Chloride	386	1.00		mg/L	1	5/5/2005
Nitrate, Nitrogen (As N)	< 0.02	0.02		mg/L	1	5/3/2005
Sulfate	< 2.00	2.00		mg/L	1	5/3/2005
ALKALINITY E310.1						Analyst: **LS**
Alkalinity, Total (As CaCO3)	680	1		mg/L	1	5/3/2005
AMMONIA E350.1						Analyst: **PL**
Nitrogen, Ammonia (As N)	39.0	0.1		mg/L	1	5/9/2005
PHENOLS, TOTAL E420.1						Analyst: **LS**
Phenolics, Total Recoverable	< 0.002	0.002		mg/L	1	5/10/2005
TOTAL DISSOLVED SOLIDS E160.1						Analyst: **LS**
TDS (Residue, Filterable)	1380	5		mg/L	1	5/5/2005

Qualifiers:
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* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
T - Tentitively Identified Compound-Estimated Conc.
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *17-May-05*

CLIENT: Acton, Town of
Work Order: 050503007
Project: Town Landfill
PO#:

Client Sample ID: L-14
Collection Date: 5/2/2005
Lab Sample ID: 050503007-005
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
PURGEABLE HALOCARBONS E601						Analyst: **SO**
Dichlorodifluoromethane	< 1.0	1.0		µg/L	1	5/12/2005
Chloromethane	< 1.0	1.0		µg/L	1	5/12/2005
Vinyl chloride	< 1.0	1.0		µg/L	1	5/12/2005
Bromomethane	< 1.0	1.0		µg/L	1	5/12/2005
Chloroethane	< 1.0	1.0		µg/L	1	5/12/2005
Trichlorofluoromethane	< 1.0	1.0		µg/L	1	5/12/2005
1,1-Dichloroethene	< 1.0	1.0		µg/L	1	5/12/2005
Methylene chloride	< 1.0	1.0		µg/L	1	5/12/2005
trans-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	5/12/2005
1,1-Dichloroethane	< 1.0	1.0		µg/L	1	5/12/2005
cis-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	5/12/2005
Chloroform	< 1.0	1.0		µg/L	1	5/12/2005
1,1,1-Trichloroethane	< 1.0	1.0		µg/L	1	5/12/2005
Carbon tetrachloride	< 1.0	1.0		µg/L	1	5/12/2005
1,2-Dichloroethane	< 1.0	1.0		µg/L	1	5/12/2005
Trichloroethene	< 1.0	1.0		µg/L	1	5/12/2005
1,2-Dichloropropane	< 1.0	1.0		µg/L	1	5/12/2005
Bromodichloromethane	< 1.0	1.0		µg/L	1	5/12/2005
cis-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	5/12/2005
trans-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	5/12/2005
1,1,2-Trichloroethane	< 1.0	1.0		µg/L	1	5/12/2005
Tetrachloroethene	< 1.0	1.0		µg/L	1	5/12/2005
Dibromochloromethane	< 1.0	1.0		µg/L	1	5/12/2005
Chlorobenzene	< 1.0	1.0		µg/L	1	5/12/2005
Bromoform	< 1.0	1.0		µg/L	1	5/12/2005
1,1,2,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	5/12/2005
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	5/12/2005
1,4-Dichlorobenzene	< 1.0	1.0		µg/L	1	5/12/2005
1,2-Dichlorobenzene	< 1.0	1.0		µg/L	1	5/12/2005
PURGEABLE AROMATICS E602						Analyst: **SO**
Benzene	< 0.5	0.5		µg/L	1	5/12/2005
Toluene	< 1.0	1.0		µg/L	1	5/12/2005
Ethylbenzene	< 1.0	1.0		µg/L	1	5/12/2005
m,p-Xylene	< 1.0	1.0		µg/L	1	5/12/2005
o-Xylene	< 1.0	1.0		µg/L	1	5/12/2005
ICP METALS E200.7(SW3010A)						Analyst: **SM**
Arsenic	< 0.005	0.005		mg/L	1	5/12/2005 3:22:00 PM
Barium	0.053	0.010		mg/L	1	5/12/2005 3:22:00 PM

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
T - Tentitively Identified Compound-Estimated Conc.
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *17-May-05*

CLIENT: Acton, Town of
Work Order: 050503007
Project: Town Landfill
PO#:

Client Sample ID: L-14
Collection Date: 5/2/2005
Lab Sample ID: 050503007-005
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS E200.7(SW3010A)						Analyst: **SM**
Cadmium	< 0.005	0.005		mg/L	1	5/12/2005 3:22:00 PM
Chromium	0.010	0.005		mg/L	1	5/12/2005 3:22:00 PM
Iron	29.0	0.050		mg/L	1	5/12/2005 3:22:00 PM
Lead	< 0.005	0.005		mg/L	1	5/12/2005 3:22:00 PM
Manganese	0.841	0.020		mg/L	1	5/12/2005 3:22:00 PM
Selenium	< 0.005	0.005		mg/L	1	5/12/2005 3:22:00 PM
Silver	< 0.010	0.010		mg/L	1	5/12/2005 3:22:00 PM
Sodium	94.6	0.050		mg/L	1	5/12/2005 3:22:00 PM
MERCURY E245.1(E245.1)						Analyst: **SM**
Mercury	< 0.0002	0.0002		mg/L	1	5/5/2005
ANIONS BY ION CHROMATOGRAPHY E300						Analyst: **SH**
Chloride	166	1.00		mg/L	1	5/5/2005
Nitrate, Nitrogen (As N)	0.04	0.02		mg/L	1	5/3/2005
Sulfate	3.60	2.00		mg/L	1	5/3/2005
ALKALINITY E310.1						Analyst: **LS**
Alkalinity, Total (As CaCO3)	48	1		mg/L	1	5/3/2005
AMMONIA E350.1						Analyst: **PL**
Nitrogen, Ammonia (As N)	0.4	0.1		mg/L	1	5/9/2005
PHENOLS, TOTAL E420.1						Analyst: **LS**
Phenolics, Total Recoverable	< 0.002	0.002		mg/L	1	5/10/2005
TOTAL DISSOLVED SOLIDS E160.1						Analyst: **LS**
TDS (Residue, Filterable)	335	5		mg/L	1	5/5/2005

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
T - Tentitively Identified Compound-Estimated Conc.
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *17-May-05*

CLIENT: Acton, Town of
Work Order: 050503007
Project: Town Landfill
PO#:

Client Sample ID: L-15
Collection Date: 5/2/2005
Lab Sample ID: 050503007-006
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
PURGEABLE HALOCARBONS E601						Analyst: **SO**
Dichlorodifluoromethane	12	1.0		µg/L	1	5/12/2005
Chloromethane	< 1.0	1.0		µg/L	1	5/12/2005
Vinyl chloride	< 1.0	1.0		µg/L	1	5/12/2005
Bromomethane	< 1.0	1.0		µg/L	1	5/12/2005
Chloroethane	3.7	1.0		µg/L	1	5/12/2005
Trichlorofluoromethane	< 1.0	1.0		µg/L	1	5/12/2005
1,1-Dichloroethene	< 1.0	1.0		µg/L	1	5/12/2005
Methylene chloride	< 1.0	1.0		µg/L	1	5/12/2005
trans-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	5/12/2005
1,1-Dichloroethane	< 1.0	1.0		µg/L	1	5/12/2005
cis-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	5/12/2005
Chloroform	< 1.0	1.0		µg/L	1	5/12/2005
1,1,1-Trichloroethane	< 1.0	1.0		µg/L	1	5/12/2005
Carbon tetrachloride	< 1.0	1.0		µg/L	1	5/12/2005
1,2-Dichloroethane	< 1.0	1.0		µg/L	1	5/12/2005
Trichloroethene	< 1.0	1.0		µg/L	1	5/12/2005
1,2-Dichloropropane	< 1.0	1.0		µg/L	1	5/12/2005
Bromodichloromethane	< 1.0	1.0		µg/L	1	5/12/2005
cis-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	5/12/2005
trans-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	5/12/2005
1,1,2-Trichloroethane	< 1.0	1.0		µg/L	1	5/12/2005
Tetrachloroethene	< 1.0	1.0		µg/L	1	5/12/2005
Dibromochloromethane	< 1.0	1.0		µg/L	1	5/12/2005
Chlorobenzene	< 1.0	1.0		µg/L	1	5/12/2005
Bromoform	< 1.0	1.0		µg/L	1	5/12/2005
1,1,2,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	5/12/2005
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	5/12/2005
1,4-Dichlorobenzene	2.0	1.0		µg/L	1	5/12/2005
1,2-Dichlorobenzene	< 1.0	1.0		µg/L	1	5/12/2005
PURGEABLE AROMATICS E602						Analyst: **SO**
Benzene	2.4	0.5		µg/L	1	5/12/2005
Toluene	< 1.0	1.0		µg/L	1	5/12/2005
Ethylbenzene	7.6	1.0		µg/L	1	5/12/2005
m,p-Xylene	30	1.0		µg/L	1	5/12/2005
o-Xylene	1.7	1.0		µg/L	1	5/12/2005
ICP METALS E200.7(SW3010A)						Analyst: **SM**
Arsenic	< 0.005	0.005		mg/L	1	5/12/2005 3:26:00 PM
Barium	0.418	0.010		mg/L	1	5/12/2005 3:26:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
T - Tentitively Identified Compound-Estimated Conc.
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *17-May-05*

CLIENT: Acton, Town of
Work Order: 050503007
Project: Town Landfill
PO#:

Client Sample ID: L-15
Collection Date: 5/2/2005
Lab Sample ID: 050503007-006
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS E200.7(SW3010A)						Analyst: **SM**
Cadmium	< 0.005	0.005		mg/L	1	5/12/2005 3:26:00 PM
Chromium	0.018	0.005		mg/L	1	5/12/2005 3:26:00 PM
Iron	89.1	0.050		mg/L	1	5/12/2005 3:26:00 PM
Lead	< 0.005	0.005		mg/L	1	5/12/2005 3:26:00 PM
Manganese	1.37	0.020		mg/L	1	5/12/2005 3:26:00 PM
Selenium	< 0.005	0.005		mg/L	1	5/12/2005 3:26:00 PM
Silver	< 0.010	0.010		mg/L	1	5/12/2005 3:26:00 PM
Sodium	102	0.050		mg/L	1	5/12/2005 3:26:00 PM
MERCURY E245.1(E245.1)						Analyst: **SM**
Mercury	< 0.0002	0.0002		mg/L	1	5/5/2005
ANIONS BY ION CHROMATOGRAPHY E300						Analyst: **SH**
Chloride	220	1.00		mg/L	1	5/5/2005
Nitrate, Nitrogen (As N)	< 0.02	0.02		mg/L	1	5/3/2005
Sulfate	12.0	2.00		mg/L	1	5/3/2005
ALKALINITY E310.1						Analyst: **LS**
Alkalinity, Total (As CaCO3)	390	1		mg/L	1	5/3/2005
AMMONIA E350.1						Analyst: **PL**
Nitrogen, Ammonia (As N)	17.0	0.1		mg/L	1	5/9/2005
PHENOLS, TOTAL E420.1						Analyst: **LS**
Phenolics, Total Recoverable	0.002	0.002		mg/L	1	5/10/2005
TOTAL DISSOLVED SOLIDS E160.1						Analyst: **LS**
TDS (Residue, Filterable)	715	5		mg/L	1	5/5/2005

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
T - Tentitively Identified Compound-Estimated Conc.
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *17-May-05*

CLIENT: Acton, Town of
Work Order: 050503007
Project: Town Landfill
PO#:

Client Sample ID: S-8
Collection Date: 5/2/2005
Lab Sample ID: 050503007-007
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
PURGEABLE HALOCARBONS E601						Analyst: **SO**
Dichlorodifluoromethane	< 1.0	1.0		µg/L	1	5/12/2005
Chloromethane	< 1.0	1.0		µg/L	1	5/12/2005
Vinyl chloride	< 1.0	1.0		µg/L	1	5/12/2005
Bromomethane	< 1.0	1.0		µg/L	1	5/12/2005
Chloroethane	< 1.0	1.0		µg/L	1	5/12/2005
Trichlorofluoromethane	< 1.0	1.0		µg/L	1	5/12/2005
1,1-Dichloroethene	< 1.0	1.0		µg/L	1	5/12/2005
Methylene chloride	< 1.0	1.0		µg/L	1	5/12/2005
trans-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	5/12/2005
1,1-Dichloroethane	< 1.0	1.0		µg/L	1	5/12/2005
cis-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	5/12/2005
Chloroform	< 1.0	1.0		µg/L	1	5/12/2005
1,1,1-Trichloroethane	< 1.0	1.0		µg/L	1	5/12/2005
Carbon tetrachloride	< 1.0	1.0		µg/L	1	5/12/2005
1,2-Dichloroethane	< 1.0	1.0		µg/L	1	5/12/2005
Trichloroethene	< 1.0	1.0		µg/L	1	5/12/2005
1,2-Dichloropropane	< 1.0	1.0		µg/L	1	5/12/2005
Bromodichloromethane	< 1.0	1.0		µg/L	1	5/12/2005
cis-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	5/12/2005
trans-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	5/12/2005
1,1,2-Trichloroethane	< 1.0	1.0		µg/L	1	5/12/2005
Tetrachloroethene	< 1.0	1.0		µg/L	1	5/12/2005
Dibromochloromethane	< 1.0	1.0		µg/L	1	5/12/2005
Chlorobenzene	< 1.0	1.0		µg/L	1	5/12/2005
Bromoform	< 1.0	1.0		µg/L	1	5/12/2005
1,1,2,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	5/12/2005
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	5/12/2005
1,4-Dichlorobenzene	< 1.0	1.0		µg/L	1	5/12/2005
1,2-Dichlorobenzene	< 1.0	1.0		µg/L	1	5/12/2005
PURGEABLE AROMATICS E602						Analyst: **SO**
Benzene	< 0.5	0.5		µg/L	1	5/12/2005
Toluene	< 1.0	1.0		µg/L	1	5/12/2005
Ethylbenzene	< 1.0	1.0		µg/L	1	5/12/2005
m,p-Xylene	< 1.0	1.0		µg/L	1	5/12/2005
o-Xylene	< 1.0	1.0		µg/L	1	5/12/2005
ICP METALS E200.7(SW3010A)						Analyst: **SM**
Arsenic	< 0.005	0.005		mg/L	1	5/12/2005 3:30:00 PM
Barium	0.039	0.010		mg/L	1	5/12/2005 3:30:00 PM

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
T - Tentitively Identified Compound-Estimated Conc.
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *17-May-05*

CLIENT: Acton, Town of
Work Order: 050503007
Project: Town Landfill
PO#:

Client Sample ID: S-8
Collection Date: 5/2/2005
Lab Sample ID: 050503007-007
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS E200.7(SW3010A)						Analyst: **SM**
Cadmium	< 0.005	0.005		mg/L	1	5/12/2005 3:30:00 PM
Chromium	< 0.005	0.005		mg/L	1	5/12/2005 3:30:00 PM
Iron	0.568	0.050		mg/L	1	5/12/2005 3:30:00 PM
Lead	< 0.005	0.005		mg/L	1	5/12/2005 3:30:00 PM
Manganese	0.158	0.020		mg/L	1	5/12/2005 3:30:00 PM
Selenium	< 0.005	0.005		mg/L	1	5/12/2005 3:30:00 PM
Silver	< 0.010	0.010		mg/L	1	5/12/2005 3:30:00 PM
Sodium	89.3	0.050		mg/L	1	5/12/2005 3:30:00 PM
MERCURY E245.1(E245.1)						Analyst: **SM**
Mercury	< 0.0002	0.0002		mg/L	1	5/5/2005
ANIONS BY ION CHROMATOGRAPHY E300						Analyst: **SH**
Chloride	172	1.00		mg/L	1	5/5/2005
Nitrate, Nitrogen (As N)	0.60	0.02		mg/L	1	5/3/2005
Sulfate	15.0	2.00		mg/L	1	5/3/2005
ALKALINITY E310.1						Analyst: **LS**
Alkalinity, Total (As CaCO3)	32	1		mg/L	1	5/3/2005
AMMONIA E350.1						Analyst: **PL**
Nitrogen, Ammonia (As N)	0.2	0.1		mg/L	1	5/9/2005
TOTAL DISSOLVED SOLIDS E160.1						Analyst: **LS**
TDS (Residue, Filterable)	705	5		mg/L	1	5/5/2005

Qualifiers:

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B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
T - Tentitively Identified Compound-Estimated Conc.
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *17-May-05*

CLIENT: Acton, Town of
Work Order: 050503007
Project: Town Landfill
PO#:

Client Sample ID: Trip Blank-Lot# 101
Collection Date: 5/2/2005
Lab Sample ID: 050503007-008
Matrix: WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
PURGEABLE HALOCARBONS E601						Analyst: **SO**
Dichlorodifluoromethane	< 1.0	1.0		µg/L	1	5/12/2005
Chloromethane	< 1.0	1.0		µg/L	1	5/12/2005
Vinyl chloride	< 1.0	1.0		µg/L	1	5/12/2005
Bromomethane	< 1.0	1.0		µg/L	1	5/12/2005
Chloroethane	< 1.0	1.0		µg/L	1	5/12/2005
Trichlorofluoromethane	< 1.0	1.0		µg/L	1	5/12/2005
1,1-Dichloroethene	< 1.0	1.0		µg/L	1	5/12/2005
Methylene chloride	< 1.0	1.0		µg/L	1	5/12/2005
trans-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	5/12/2005
1,1-Dichloroethane	< 1.0	1.0		µg/L	1	5/12/2005
cis-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	5/12/2005
Chloroform	< 1.0	1.0		µg/L	1	5/12/2005
1,1,1-Trichloroethane	< 1.0	1.0		µg/L	1	5/12/2005
Carbon tetrachloride	< 1.0	1.0		µg/L	1	5/12/2005
1,2-Dichloroethane	< 1.0	1.0		µg/L	1	5/12/2005
Trichloroethene	< 1.0	1.0		µg/L	1	5/12/2005
1,2-Dichloropropane	< 1.0	1.0		µg/L	1	5/12/2005
Bromodichloromethane	< 1.0	1.0		µg/L	1	5/12/2005
cis-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	5/12/2005
trans-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	5/12/2005
1,1,2-Trichloroethane	< 1.0	1.0		µg/L	1	5/12/2005
Tetrachloroethene	< 1.0	1.0		µg/L	1	5/12/2005
Dibromochloromethane	< 1.0	1.0		µg/L	1	5/12/2005
Chlorobenzene	< 1.0	1.0		µg/L	1	5/12/2005
Bromoform	< 1.0	1.0		µg/L	1	5/12/2005
1,1,2,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	5/12/2005
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	5/12/2005
1,4-Dichlorobenzene	< 1.0	1.0		µg/L	1	5/12/2005
1,2-Dichlorobenzene	< 1.0	1.0		µg/L	1	5/12/2005
PURGEABLE AROMATICS E602						Analyst: **SO**
Benzene	< 0.5	0.5		µg/L	1	5/12/2005
Toluene	< 1.0	1.0		µg/L	1	5/12/2005
Ethylbenzene	< 1.0	1.0		µg/L	1	5/12/2005
m,p-Xylene	< 1.0	1.0		µg/L	1	5/12/2005
o-Xylene	< 1.0	1.0		µg/L	1	5/12/2005

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
T - Tentitively identified Compound-Estimated Conc.
E - Value above quantitation range

1 of 3

Adirondack Environmental Services, Inc.
314 North Pearl Street
Albany, New York 12207
518-434-4546/434-0891 FAX

CHAIN OF CUSTODY RECORD

Experience is the solution

A full service analytical research laboratory offering solutions to environmental concerns

Client Name:	Address:	
Corey York/ Town of Acton	472 Main Street Acton, MA 01720	
Send Report To:	**Project Name (Location)**	**Samplers: (Names)**
Corey York	Town of Acton Landfill	Corey York
Client Phone No: / **Client Fax No:**	**PO Number:**	**Samplers: (Signature)**
978-264-9628 / 978 264-9630	20052580-00	

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.	Sample Type Matrix	Comp	Grab	Number of Cont's	Analysis Required
32-P.F.U	L-2	5/2/05	10:15 A/P	GW		✓	1	IC_SCAN_W TDS_W
16-P.P.Nitric	L-2	5/2/05	10:15 A/P	GW		✓	1	ICP Metals W Mercury_WW
8-P.P.H2SO4	L-2 001	5/2/05	10:15 A/P	GW		✓	1	Ammonia_W
4-P/G-F.U	L-2	5/2/05	10:15 A/P	GW		✓	1	Alkalinity
VOA-G-T-HCL	L-2	5/2/05	10:15 A/P	GW		✓	2	E601 E602
32-P.F.U	L-11	5/2/05	9:15 A/P	GW		✓	1	IC_SCAN_W TDS_W
16-P.P.Nitric	L-11 002	5/2/05	9:15 A/P	GW		✓	1	ICP Metals W
8-P.P.H2SO4	L-11	5/2/05	9:15 A/P	GW		✓	1	Ammonia_W
4-P/G-F.U	L-11	5/2/05	9:15 A/P	GW		✓	1	Alkalinity
32-P.F.U	L-12	5/2/05	" A/P	GW		✓	1	IC_SCAN_W TDS_W
16-P.P.Nitric	L-12	5/2/05	" A/P	GW		✓	1	ICP METALS W MERCURY_WW
8-P.P.H2SO4	L-12 003	5/2/05	" A/P	GW		✓	1	Ammonia_W
4-P/G-F.U	L-12	5/2/05	" A/P	GW		✓	1	Alkalinity
VOA-G-T-HCL	L-12	5/2/05	" A/P	GW		✓	2	E601 E602

AES Work Order #: 050503007

Turnaround Time Request:
☐ 1 Day ☐ 3 Day ☑ Normal
☐ 2 Day ☐ 5 Day

CC Report To / Special Instructions/Remarks:
Attached Herewith is a table showing the types of analyses required for each sample taken around the landfill.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		5/2/05
Relinquished by: (Signature)	**Received by: (Signature)**	**Date/Time**
Relinquished by: (Signature)	**Received for Laboratory by:**	**Date/Time**
		5/3/05 856

Temperature	Properly Preserved	Received Within Holding Times
Ambient or Chilled 4°C	Y N	Y N
Notes:	Notes:	Notes:

WHITE - Lab Copy YELLOW - Sampler Copy PINK - Generator Copy

2 of 3

Adirondack Environmental Services, Inc.
314 North Pearl Street
Albany, New York 12207
518-434-4546/434-0891 FAX

CHAIN OF CUSTODY RECORD

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Client Name:	Address:	
Corey York / Town of Acton	472 Main Street Acton MA 01720	
Send Report To:	**Project Name (Location)**	**Samplers: (Names)**
Corey York	Town of Acton Landfill	Corey York
Client Phone No: / **Client Fax No:**	**PO Number:**	**Samplers: (Signature)**
978-264-9628 / 978-264-9630	20052580-00	[signature]

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.	Sample Type Matrix	Comp	Grab	Number of Cont's	Analysis Required
32·P·F·U	L-13	5/2/05	11:45 (A) P	GW		✓	1	IC_SCAN_W TDS_W
16-P.P.Nitric	L-13	5/2/05	11:45 (A) P	GW		✓	1	ICP_METALS W MERCURY_WW
8·P·P·H2SO4	L-13 004	5/2/05	11:45 (A) P	GW		✓	1	AMMONIA_W
4·P/G·F·U	L-13	5/2/05	11:45 (A) P	GW		✓	1	Alkalinity
VOA-G-T-HCL	L-13	5/2/05	11:45 (A) P	GW		✓	2	E601 E602
32·G·P·H2SO4	L-13	5/2/05	11:45 (A) P	GW		✓	1	PHENOLS_WATER
32·P·F·U	L-14	5/2/05	1 A (P)	GW		✓	1	IC_SCAN_W TDS_W
16·P·P·Nitric	L-14	5/2/05	1 A (P)	GW		✓	1	ICP METALS W MERCURY_WW
8·P·P·H2SO4	L-14 005	5/2/05	1 A (P)	GW		✓	1	AMMONIA_W
4·P/G·F·U	L-14	5/2/05	1 A (P)	GW		✓	1	Alkalinity
VOA·G·T·HCL	L-14	5/2/05	1 A (P)	GW		✓	2	E601 E602
32·G·P·H2SO4	L-14	5/2/05	1 A (P)	GW		✓	1	PHENOLS_WATER
			A P					
			A P					

AES Work Order #: 050503007

CC Report To / Special Instructions/Remarks: Attached Herewith is a table showing the types of analyses required for each sample taken around the landfill

Turnaround Time Request:
- ☐ 1 Day
- ☐ 2 Day
- ☐ 3 Day
- ☑ Normal
- ☐ 5 Day

Relinquished by: (Signature)	Received by: (Signature)	Date/Time
[signature]		5/2/05
Relinquished by: (Signature)	Received by: (Signature)	Date/Time
[signature]		
Relinquished by: (Signature)	Received for Laboratory by: [signature]	Date/Time 5/3/05 856

Temperature	Properly Preserved	Received Within Holding Times
Ambient or Chilled 4°C	Y N	Y N
Notes:	Notes:	Notes:

WHITE - Lab Copy YELLOW - Sampler Copy PINK - Generator Copy

3 of 3

Adirondack Environmental Services, Inc.
Experience is the solution
314 North Pearl Street
Albany, New York 12207
518-434-4546/434-0891 FAX

CHAIN OF CUSTODY RECORD

A full service analytical research laboratory offering solutions to environmental concerns

Client Name:	Address:	
Corey York / Town of Acton	472 Main Street Acton, MA 01720	
Send Report To:	**Project Name (Location)**	**Samplers: (Names)**
Corey York	Town of Acton Landfill	Corey York
Client Phone No: / **Client Fax No:**	**PO Number:**	**Samplers: (Signature)**
978-264-9628 / 978-264-9630	20052580-00	[signature]

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.		Sample Type Matrix	Comp	Grab	Number of Cont's	Analysis Required
32-P-F-U	L-15	5/2/05	12:30	A (P)	GW		✓	1	IC-SCAN-W TDS-W
16-P-P-Nitric	L-15	5/2/05	12:30	A (P)	GW		✓	1	ICP METALS W MERCURY-WW
8-P-P-H2SO4	L-15	5/2/05	12:30	A (P)	GW		✓	1	AMMONIA-W
4-P/G-F-U	L-15	5/2/05	12:30	A (P)	GW		✓	1	Alkalinity
VOA-G-T-HCL	L-15	5/2/05	12:30	A (P)	GW		✓	2	E601 E602
32-G-P-H2SO4	L-15	5/2/05	12:30	A (P)	GW		✓	1	PHENOLS-WATER
32-P-F-U	S-8	5/2/05	8:30	(A) P	GW		✓	1	IC-SCAN-W TDS-W
16-P-P-Nitric	S-8	5/2/05	8:30	(A) P	GW		✓	1	ICP METALS W MERCURY-WW
8-P-P-H2SO4	S-8	5/2/05	8:30	(A) P	GW		✓	1	AMMONIA-W
4-P/G-F-U	S-8	5/2/05	8:30	(A) P	GW		✓	1	Alkalinity
VOA-G-T-HCL	S-8	5/2/05	8:30	(A) P	GW		✓	2	E601 E602
Lot #101	TRIP BLANK - H2O AND HYDROCHLORIC ACID SOLUTION CAS #7647-01-0	1-7-05	—	A P	—	—	—	1	TRIP BLANK WW 1789
				A P					
				A P					

006

007

008

AES Work Order #:	CC Report To / Special Instructions/Remarks:
050503007	Attached Herewith is a table showing the types of analyses required for each sample taken around the landfill.

Turnaround Time Request:
☐ 1 Day ☐ 3 Day ☑ Normal
☐ 2 Day ☐ 5 Day

Relinquished by: (Signature)	Received by: (Signature)	Date/Time
[signature]		5/2/05
Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Relinquished by: (Signature)	Received for Laboratory by: [signature]	Date/Time 5/3/05 856

Temperature	Properly Preserved	Received Within Holding Times
Ambient or Chilled (4°C)	(Y) N	(Y) N
Notes:	Notes:	Notes:

WHITE - Lab Copy YELLOW - Sampler Copy PINK - Generator Copy

Adirondack Environmental Services, Inc.
Experience is the solution
314 North Pearl Street • Albany, New York 12207 • (518) 434-4546 • Fax (518) 434-0891

TERMS, CONDITIONS & LIMITATIONS

All Services rendered by **Adirondack Environmental Services, Inc.** are undertaken and all rates are based upon the following terms:

(a) Neither **Adirondack Environmental Services, Inc.**, nor any of its employees, agents or sub-contractors shall be liable for any loss or damage arising out of **Adirondack Environmental Services, Inc.'s** performance or nonperformance, whether by way of negligence or breach of contract, or otherwise, in any amount greater than twice the amount billed to the customer for the work leading to the claim of the customer. Said remedy shall be the sole and exclusive remedy against **Adirondack Environmental Services, Inc.** arising out of its work.

(b) All claims made must be in writing within forty-five (45) days after delivery of the **Adirondack Environmental Services, Inc.** report regarding said work or such claim shall be deemed as irrevocably waived.

(c) **Adirondack Environmental Services, Inc.** reports are submitted in writing and are for our customers only. Our customers are considered to be only those entities being billed for our services. Acquisition of an **Adirondack Environmental Services, Inc.** report by other than our customer does not constitute a representation of **Adirondack Environmental Services, Inc.** as to the accuracy of the contents thereof.

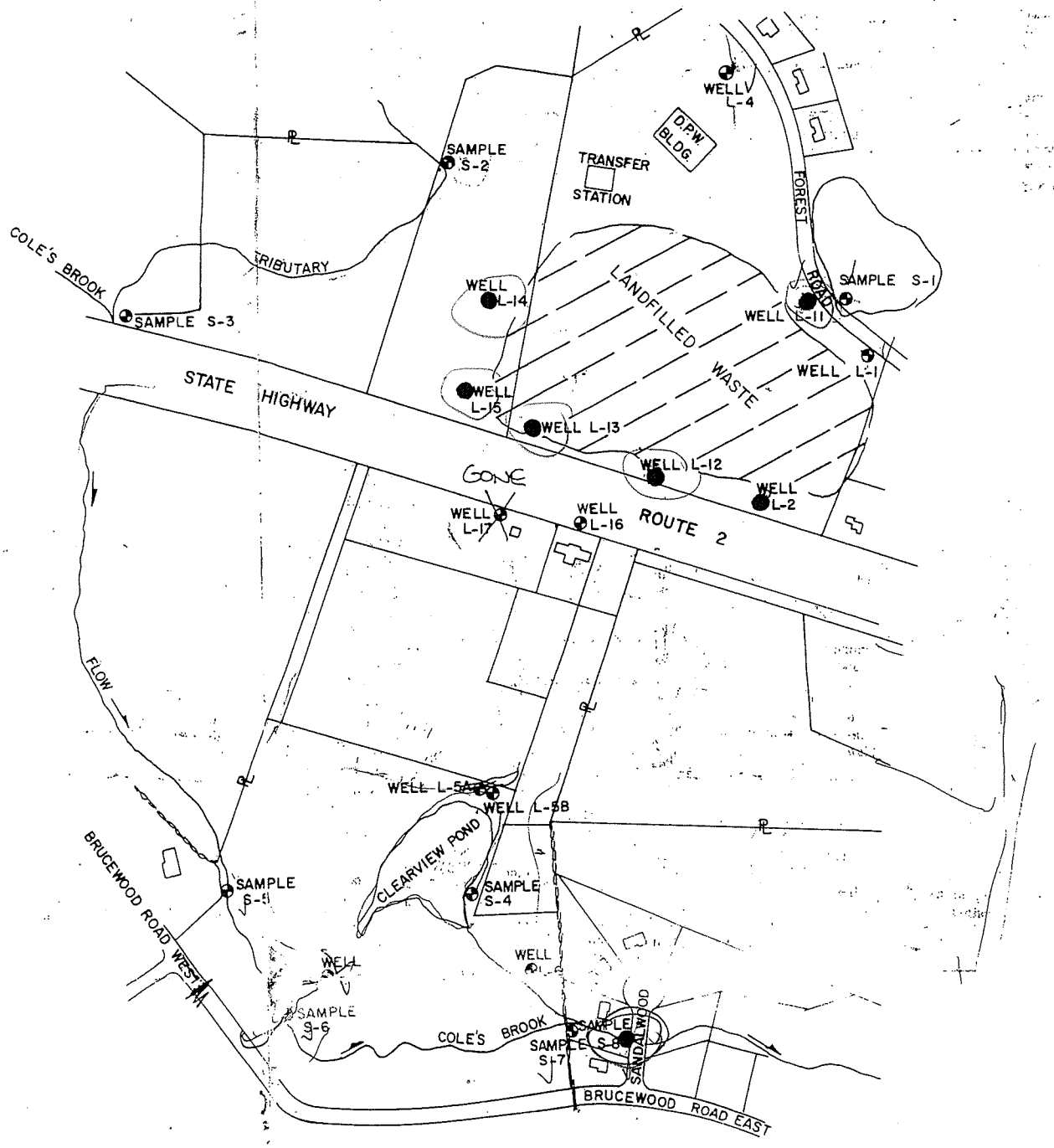
(d) In no event shall **Adirondack Environmental Services, Inc.**, its employees agents or sub-contractors be responsible for consequential or special damages of any kind or in any amount.

(e) No deviation from the terms set forth herein shall bind **Adirondack Environmental Services, Inc.** unless in writing and signed by a Director of **Adirondack Environmental Services, Inc.**

(f) Results pertain only to items analyzed. Information supplied by client is assumed to be correct. This information may be used on reports and in calculations and **Adirondack Environmental Services, Inc.** is not responsible for the accuracy of this information.

Groundwater/Surface Water Sampling Locations

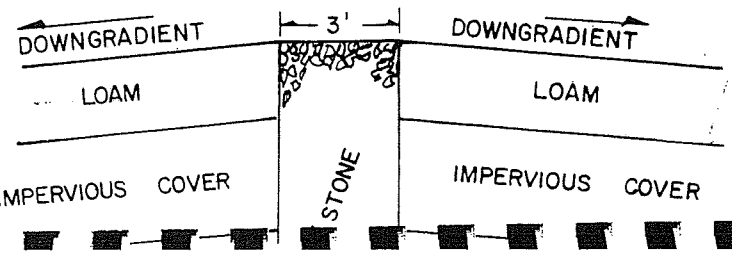
HORIZONTAL LOCATION OF WELLS & SAMPLES



C

NOTE:

MONITORING WELL ◉ LOCATIONS ARE APPROXIMATE



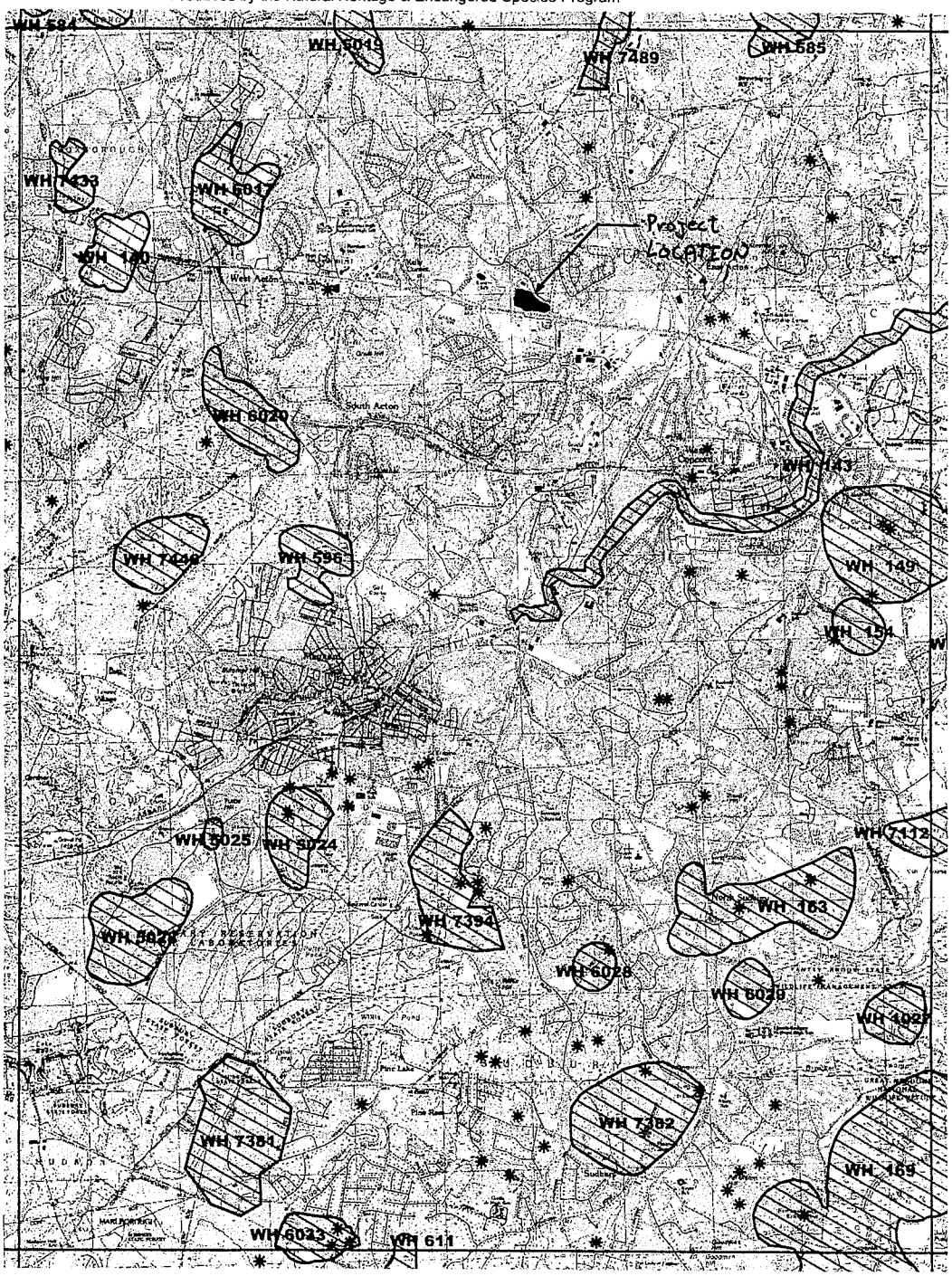
Estimated Habitats of Rare Wildlife and Certified Vernal Pools

ESTIMATED HABITATS OF RARE WILDLIFE AND CERTIFIED VERNAL POOLS

For use with the MA Wetlands Protection Act Regulations (310 CMR 10)

Effective June 1, 2003

Produced by the Natural Heritage & Endangered Species Program



0.5 0 0.5 1 Miles

See County Index Maps to locate adjacent quadrangles

MAYNARD QUAD

D

Priority Habitats of Rare Species

PRIORITY HABITATS OF RARE SPECIES

For species protected under MA Endangered Species Act Regulations (321 CMR 10)
Note: NOT equivalent to Significant Habitat
Effective June 1, 2003
Produced by the Natural Heritage & Endangered Species Program

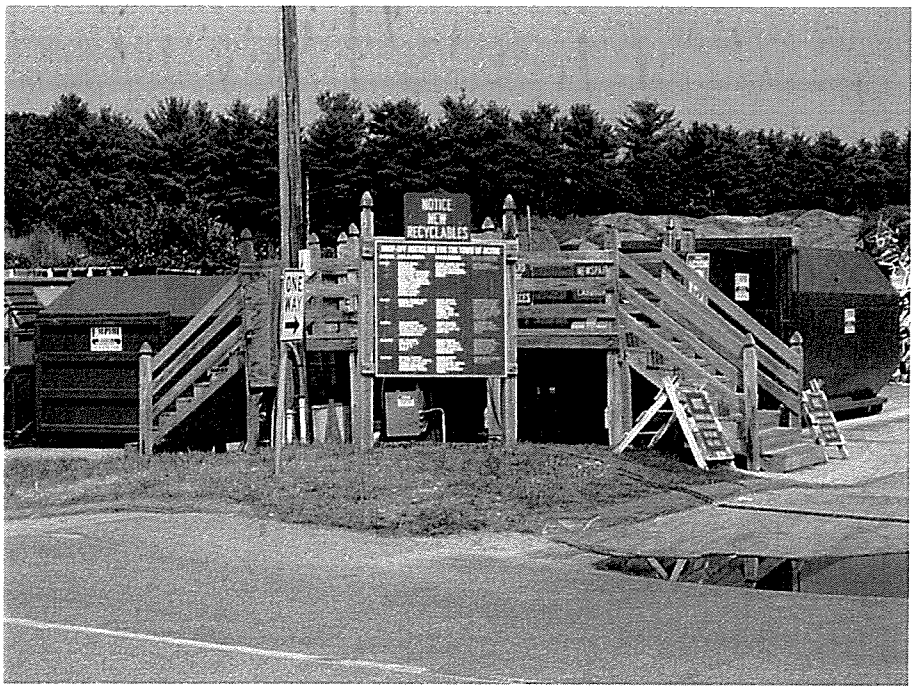
0.5 0 0.5 1 Miles

See County Index Maps to locate adjacent quadrangles

MAYNARD QUAD

Photographs

Town of Acton
Recycling Area
Existing Condition Photos
Showing lack of Handicap Accessibility



Town of Acton
Recycling Area
Existing Condition Photos
Showing lack of Handicap Accessibility

COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF ENVIRONMENTAL AFFAIRS
DEPARTMENT OF ENVIRONMENTAL PROTECTION
Central Regional Office, 627 Main Street, Worcester, MA 01608

MITT ROMNEY
Governor

KERRY HEALEY
Lieutenant Governor

STEPHEN R. PRITCHARD
Secretary

ROBERT W. GOLLEDGE, Jr.
Commissioner

BWP SW 37 POST-CLOSURE USE - MINOR
Acton Municipal Landfill

Provisional Permit Date: October 3, 2005

Name of Permittee:	Town of Acton. (the "Permittee")
Mailing Address:	472 Main Street Acton, Mass. 01720
Name of Facility:	Acton Municipal Landfill
Facility Address:	14 Forest Road Acton, Massachusetts 01720
DEP Region:	MassDepartment of Environmental Protection (the "Department" or "MassDEP") Central Regional Office (CERO), Worcester Division of Solid Waste Management (DSWM)
Permit No:	Transmittal Number: W067113

I. FACILITY DESCRIPTION AND OUTSTANDING APPROVAL STATUS

A. Facility

1. Owner:	Town of Acton
2. Lessor:	None
3. Operator:	Town of Acton

4. Description:

The Landfill is a former municipal sanitary landfill owned by the Town of Acton. It ceased operations in 1970 and capping was completed in 1988. Part of the site is presently being used as a transfer station for the town. The landfill site measures approximately 18 acres.

B. Permit Application Information for BWP SW 37 Post-Closure Use - Minor

1. Applicant Name: Town of Acton (Permittee)

2. Transmittal Number: W067113

3. Start Date of Application: August 12, 2005

4. Date of Fee Receipt: Exempt

5. Consulting Registered Professional Engineer:

   Camp Dresser & McKee Inc.
   One Cambridge Place, 50 Hampshire Street
   Cambridge, Mass. 02139
   Tel - (617)-452-6000
   Contact: Christopher Koehler, P.E.

6. Title of Submittals and Date of Receipt at DEP, CERO:

   Application for Post-Closure Use-Minor
   Town of Acton Landfill
   Acton, Massachusetts
   Dated: August 8, 2005
   Received by DEP-CERO: August 11, 2005

7. Project Description:

   The Permittee proposes to use the capped landfill area for: a multi-recreational field containing a baseball /softball diamond, soccer field and a golf ball driving range with a DPW stockpiling and storage area as well as the presently constructed transfer station and an improved recycling area. This use will include a paved roadway for access and a paved parking lot for the public's use.

II. POST CLOSURE USE – MINOR, APPLICATION REVIEW AND APPROVAL

This application complies with the application requirements at 310 CMR 19.016 and 19.143: Post Closure Use of Landfills, and was reviewed in accordance with 310 CMR 19.037: Review Procedure for Existing Facility Permits, Permit Modifications, Permit Renewals and other Approvals. The plans and reports described above establish that the submittal complies with the criteria at 310 CMR 19.143, Post-Closure Use of Landfills.

This document is a Permit, issued pursuant to Massachusetts General Laws (MGL) Chapter 111, Section 150A and 310 CMR 19.000, the Solid Waste Management Facility Regulations (the "Facility Regulations"), and is subject to the conditions set forth below. In the event this Permit conflicts with all or parts of prior plan approvals or permits issued pursuant to Chapter 111, Section 150A or solid waste regulations in effect prior to July 1, 1990, the terms and conditions of this Permit shall supersede the conflicting provisions of the prior permits and/or approvals. This Permit does not convey property rights of any sort or any exclusive privilege.

This permit application is approved as it has been found, through the above outlined review process, to comply with the above outlined laws and regulations.

III. GENERAL PERMIT CONDITIONS

1. **Compliance with Plans** - The Permittee shall assure that the site is constructed and operated in accordance with approved plans, reports, and other submissions described in Section I, except as may be modified by the conditions set forth in Section IV. No material changes in the design or activities described in the approved documents shall be performed without prior written Department approval.

2. **Compliance with Other Approvals** - The post-closure use of this facility shall be in compliance with other applicable local, state and federal laws and regulations. The Permittee shall effect coordination with local boards and departments as required.

3. **Standard Conditions** - The Permittee shall maintain the facility in accordance with the conditions at 310 CMR 19.007-19.011 and 19.043(5).

4. **Transfer** - No transfer of the permit shall be permitted except in accordance with 310 CMR 19.044.

5. **Permit Modification** - The Department reserves the right to rescind, suspend or modify this Permit by the imposition of additional conditions based upon a

determination of actual, or the threat of, adverse impacts from the construction, operation, maintenance or closure of the facility.

IV. SPECIFIC PERMIT CONDITIONS

1. **Post-Closure Maintenance** – In accordance with 310 CMR 19.142, *Landfill Post-Closure Requirements*, the Permittee shall conduct post-closure monitoring and maintenance of the landfill during the post-closure period

2. **Criteria for Post-Closure Use** - This approval for post-closure use of the Town of Acton Landfill shall be accomplished such that the integrity of the existing cap and the function of the facility's monitoring systems shall not be impaired in any way. There is to be no penetration of the cap. All drainage structures and other erosion/sedimentation controls shall be maintained with minor changes as described in the permit application described in Section 1 above. Proposed modifications to the site will have negligible effect on the drainage patterns and the applicant will get an NPDES permit.

3. **No construction of permanent structures on the cap** - No permanent structures or structures that require a support foundation, are to be constructed on the cap without approval from the MassDEP.

4. **Slopes** – Top and side slopes are to meet the grade requirements detailed in 310 CMR 19.130 (18) with a minimum top slope grade of 5% and side slopes of three horizontal to one vertical.

V. RIGHT OF APPEAL

1. Right to Appeal- Pursuant to 310 CMR 19.037(5), any person aggrieved by the issuance of this Permit may file an appeal for judicial review of said decision in accordance with the provisions of MGL, Chapter 111, Section 150A and Chapter 30A not later than thirty (30) days following notice of this decision.

2. Notice of Appeal - Any aggrieved person intending to appeal the decision to the superior court shall provide notice to the Department of intention to commence such action. Said notice of intention shall include the Department File Number and shall identify with particularity the issues and reason(s) why it is believed the approval decision was not proper. Such notice shall be provided to the Office of General Counsel of the Department, and the Regional Director for the regional office, which made the decision. The appropriate addresses to send such notices are:

Office of General Counsel
Department of Environmental Protection
One Winter Street-Third floor
Boston, MA 02108

Regional Director
Department of Environmental Protection
Central Regional Office
627 Main Street
Worcester, MA 01608

No allegation shall be made in any judicial appeal of this decision unless the matter complained of was raised at the appropriate point in the administrative review procedures established in those regulations, provided that matter may be raised upon a showing that it is material and that it was not reasonably possible with due diligence to have been raised during such procedures, or that the matter sought to be raised is of critical importance to the public health or environmental impact of the permitted activity.

Thank you, and if you have any questions or comments relating to this matter, please feel free to contact John McMichael of the Solid Waste Management Program at 508-767-2833.

John J. Regan
Section Chief
Solid Waste Management Program
Bureau of Waste Prevention

cc: Acton Board of Health
Christopher Koehler, CD&M

W:\SWM\town\Actonl2005 Lf SW 37 ProvPmt

Filename: P:\15559\43856\SITE\CEXPL000.DWG Xref's: [C24X36H, CSVPL000, CBSPL000, CSVPL001, BASE1,] Plotted by: DEMPSEYJJ Time: 8/8/2005 1:54:53 PM [ACTON, MA - LANDFILL]

LEGEND

CB	CATCH BASIN
DMH	DRAIN MANHOLE
HYD	HYDRANT
EOP	EDGE OF PAVEMENT
MW	MONITORING WELL
UP	UTILITY POLE
WS	WATER SPIGOT
OHD	OVERHEAD DOOR
	UNDERGROUND ELECTRIC
	UNDERGROUND TELEPHONE
	UNDERGROUND CABLE TV
	OVERHEAD WIRES
	WATER SERVICE
	GAS SERVICE
210	EXISTING TOPO
	WETLAND
	100-FT BUFFER TO WETLAND
	PROPERTY LINE
	EDGE OF TREELINE
	EXISTING FENCE
	EXISTING ACCESS ROAD
	STOCKPILE LIMIT
	LIMIT OF WASTE
	RETAINING WALL
	STONE HEADWALL
	DIRECTION OF FLOW

NOTE:

1. THE LOCATION OF UNDERGROUND UTILITIES SHOWN ON THIS PLAN WERE COMPILED FROM RECORD PLANS AND ARE APPROXIMATE. THE "DIG-SAFE" UNDERGROUND PLANT DAMAGE PREVENTION SYSTEM (1-888-344-7233) SHOULD BE CALLED 72 HOURS PRIOR TO STARTING ANY EXCAVATION WORK FOR THE ACTUAL ON THE GROUND LOCATION OF THE UNDERGROUND UTILITIES. (M.G.L. CH. 82, SEC.40) WE ASSUME NO RESPONSIBILTY FOR DAMAGES INCURRED AS A RESULT OF UTILITIES THAT ARE OMITTED OR SHOWN INACCURATELY.
2. INSTALL EROSION CONTROL BLANKET ON ALL SLOPES 4H:1V OR GREATER.
3. BASE SURVEY PROVIDED BY THE TOWN OF ACTON.

FOR PERMITTING ONLY
NOT FOR CONSTRUCTION

1" = 60'
30 0 60

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: C. KOEHLER
DRAWN BY: DEMPSEY, LOSCHMANN
SHEET CHK'D BY: C. KOEHLER
CROSS CHK'D BY: B. HASKELL
APPROVED BY: C. KOEHLER
DATE: AUGUST 2005

CDM Camp Dresser & McKee Inc.
consulting engineering construction operations

TOWN OF ACTON
ACTON, MASSACHUSETTS

POST-CLOSURE USE PLAN

EXISTING CONDITIONS PLAN

COMMONWEALTH OF MASSACHUSETTS
CHRISTOPHER J. MICHAUD
CIVIL
No. 41444
REGISTERED PROFESSIONAL ENGINEER
8-8-2005

PROJECT NO.
FILE NAME: CEXPL000.DWG

SHEET NO.
L-1

ACCESSION NO. 1555-XXXXX

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: C. KOEHLER
DRAWN BY: DEMPSEY, LOSCHMANN
SHEET CHK'D BY: C. KOEHLER
CROSS CHK'D BY: B.HASKELL
APPROVED BY: C. KOEHLER
DATE: AUGUST 2005

CDM Camp Dresser & McKee Inc.
consulting engineering construction operations

TOWN OF ACTON
ACTON, MASSACHUSETTS

POST-CLOSURE USE PLAN

PROPOSED POST-CLOSURE USE PLAN
MULTI-PURPOSE FIELDS

COMMONWEALTH OF MASSACHUSETTS CHRISTOPHER J. KOEHLER CIVIL No. 41444 REGISTERED PROFESSIONAL ENGINEER 8-9-2005

PROJECT NO. FILE NAME: CGDPL000.DWG

SHEET NO. L-2

ACCESSION NO. 1555-XXXXX

[ACTON, MA - LANDFILL]
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REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: C. KOEHLER
DRAWN BY: DEMPSEY, LOSCHMANN
SHEET CHK'D BY: C. KOEHLER
CROSS CHK'D BY: B. HASKELL
APPROVED BY: C. KOEHLER
DATE: AUGUST 2005

CDM Camp Dresser & McKee Inc.
consulting engineering construction operations

TOWN OF ACTON
ACTON, MASSACHUSETTS

POST-CLOSURE USE PLAN

RECYCLING OPERATION IMPROVEMENTS FOR HANDICAP ACCESSIBILITY

COMMONWEALTH OF MASSACHUSETTS CHRISTOPHER J. KOEHLER CIVIL No. 41444 REGISTERED PROFESSIONAL ENGINEER
8-8-2005

PROJECT NO.
FILE NAME: CGDPL001.DWG

SHEET NO.
L-3

ACCESSION NO. 1555-XXXXX

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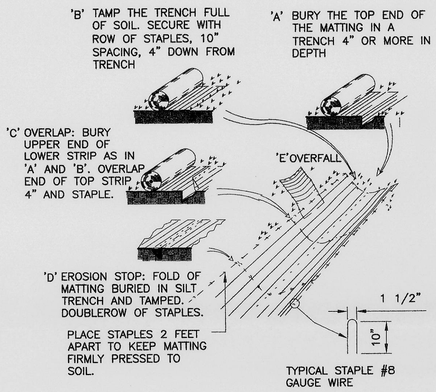
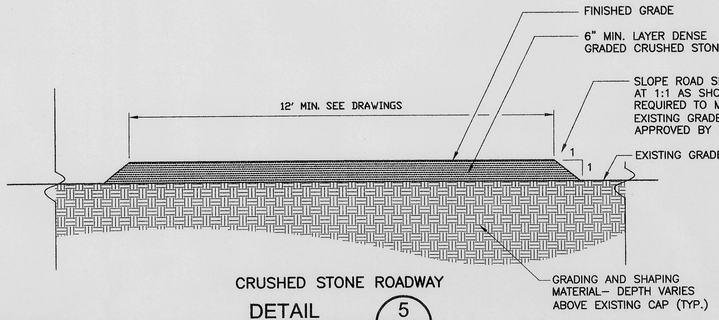


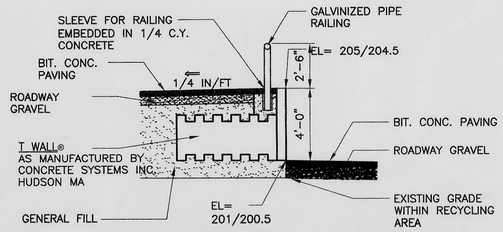
EROSION CONTROL BLANKET

DETAIL 1
NOT TO SCALE



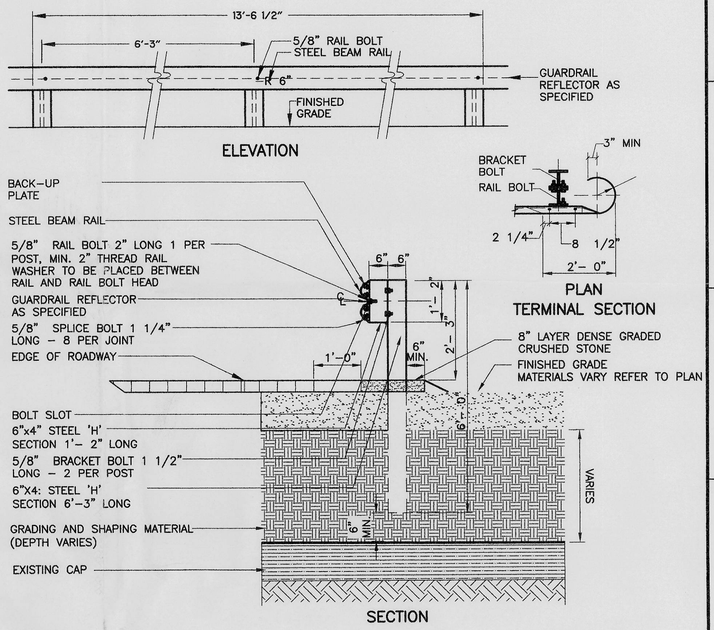
CRUSHED STONE ROADWAY

DETAIL 5
NOT TO SCALE



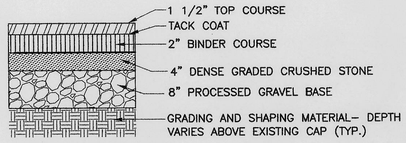
RECYCLING AREA RETAINING WALL

DETAIL 9
NOT TO SCALE



STEEL BEAM GUARDRAIL

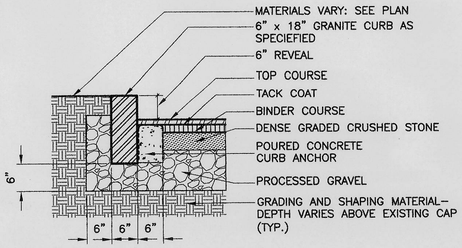
DETAIL 12
NOT TO SCALE



BIT. CONC. PAVEMENT

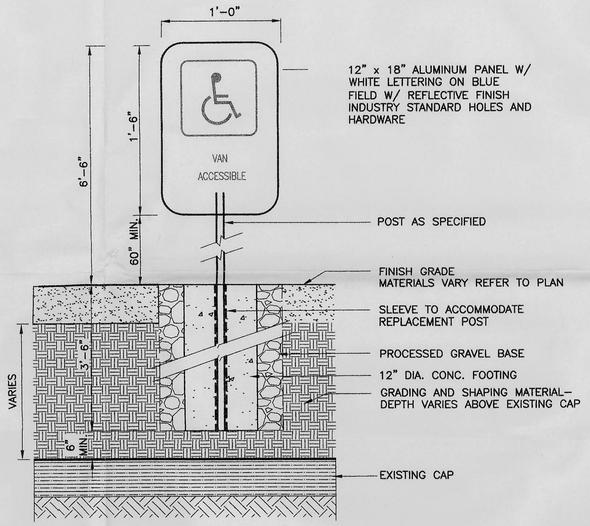
DETAIL 2
NOT TO SCALE

1. BASE COURSE SHALL EXTEND 3" MIN. BEYOND EDGE OF PAVEMENT



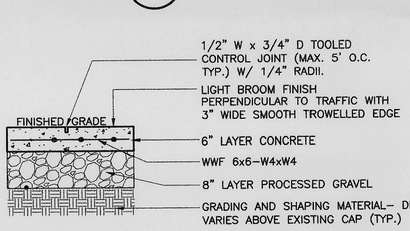
VERTICAL GRANITE CURB

DETAIL 6
NOT TO SCALE



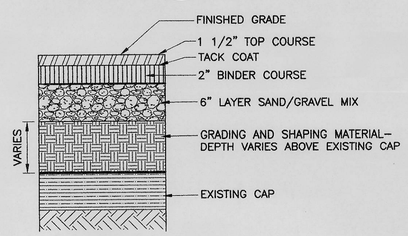
ACCESSIBLE PARKING SIGN

DETAIL 10
NOT TO SCALE



CONCRETE PAVEMENT WALKWAY

DETAIL 3
NOT TO SCALE



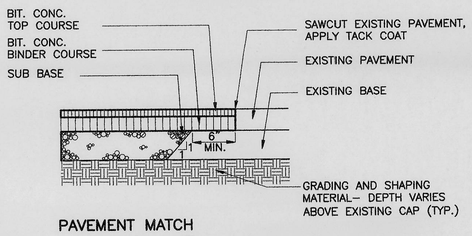
RECYCLED SAND/GRAVEL MIX OVER ROADWAY

DETAIL 7
NOT TO SCALE

NOTES:

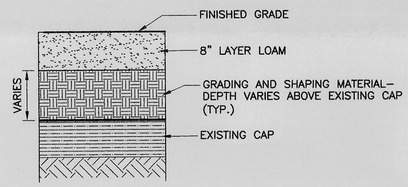
1. NO DISRUPTION OF EXISTING CAP. ALL FILL, NO CUT.

2. BASE COURSE SHALL EXTEND 3" MIN. BEYOND EDGE OF PAVEMENT



PAVEMENT MATCH

DETAIL 4
NOT TO SCALE

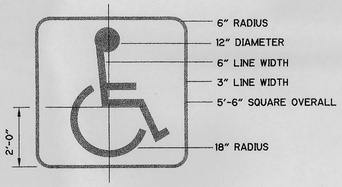


TYPICAL GRADING OF MULTI–PURPOSE FIELDS

DETAIL 8
NOT TO SCALE

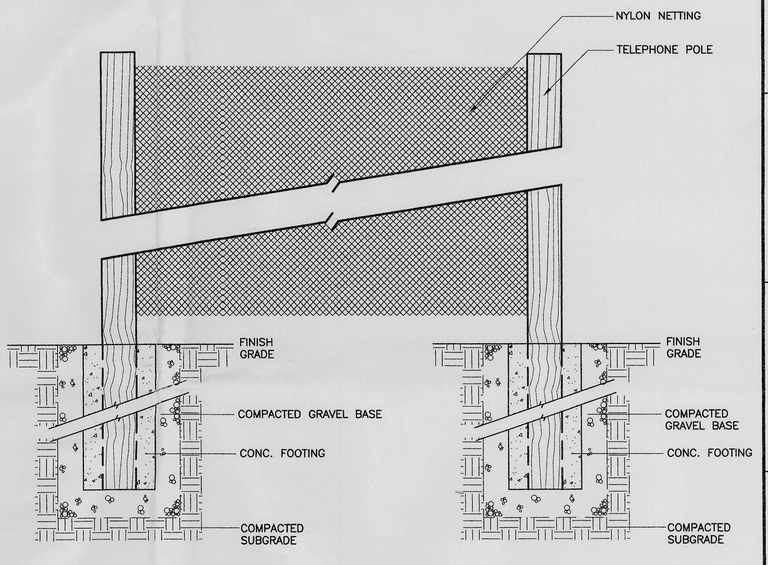
NOTES:

1. NO DISRUPTION OF EXISTING CAP. ALL FILL, NO CUT.



HANDICAP PAVEMENT SYMBOL

DETAIL 11
NOT TO SCALE



BARRIER NETTING (OUTSIDE LIMITS OF LANDFILL)

DETAIL 13
NOT TO SCALE

FOR PERMITTING ONLY NOT FOR CONSTRUCTION

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: C. KOEHLER
DRAWN BY: J. DEMPSEY
SHEET CHK'D BY: C. KOEHLER
CROSS CHK'D BY: B. HASKELL
APPROVED BY: C. KOEHLER
DATE: AUGUST 2005

CDM Camp Dresser & McKee Inc.
consulting engineering construction operations

TOWN OF ACTON
ACTON, MASSACHUSETTS
POST-CLOSURE USE PLAN

CIVIL DETAILS I

PROJECT NO.
FILE NAME: CSTDT000.DWG

SHEET NO.
L-4

ACCESSION NO. 1555–XXXXX