

STATE OF CONNECTICUT DEPARTMENT OF ENVIRONMENTAL PROTECTION



Stewardship Permit

Pursuant to Chapters 439 and 446k of the Connecticut General Statutes, a permit is issued to:

Permittee:

City of Bridgeport
Seaside Park Landfill
Barnum Avenue, Bridgeport, CT 06604

Facility Identification:

EPA ID No. CTD000651927
Permit Number: DEP/HWM/CS-015-012

To perform closure, post-closure care inclusive of water quality monitoring, landfill gas decomposition monitoring, site-wide environmental investigation and cleanup ("post-closure care" and "corrective action measures") at the hazardous and solid waste disposal facility in accordance with Connecticut General Statutes ("CGS") Sections 22a-6, 22a-449(c) and 22a-454, and Sections 22a-209 and 22a-449(c)-110 of the Regulations of Connecticut State Agencies ("RCSA") as specified in the conditions set forth in this permit.

This permit regulates and authorizes the Permittee to perform closure, post-closure care and corrective action measures at the facility. The permit does not authorize operation of a hazardous and solid waste management facility in the sense of treating, storing, or disposing of hazardous and solid wastes generated off-site.

All terms in this permit are defined in the permit or if not defined in the permit are as defined in Section 22a-449(c)-100 of the RCSA or in Title 40 of the Code of Federal Regulations ("CFR") Parts 260, 261, 262, 264, 268, 270, 273 or 279.

This permit is based on the information described in the Resource Conservation and Recovery Act ("RCRA") Part A filed by the applicant on November 19, 1980 and the Stewardship Permit application (Application No. 201000981) filed on February 16, 2010. The Permittee must keep records of all data used to complete the permit application and any supplemental information submitted for the effective term of this permit. The permit application and RCRA Part A filing are incorporated by reference as part of the permit. Any false statements or inaccuracies contained in the information submitted by the Permittee may result in the suspension, revocation or modification of this permit and civil or criminal enforcement action.

The Permittee shall comply with all terms and conditions contained in the following sections of the permit: Section I (Standard Facility Conditions) pages 1 through 10; Section II (Authorized Activities) pages 11 through 21; Section III (Compliance Schedule) pages 22 through 23; Appendix C-1; and the information contained in the Permittee's permit application, except where the application is superseded by the more stringent conditions contained herein. Any violation of any provision of this permit may subject the Permittee to enforcement action pursuant to the CGS including but not limited to Sections 22a-6a and 22a-131.

This permit is transferrable upon the Commissioner's written authorization, provided the Permittee and potential transferee have complied with the requirements set forth in CGS Section 22a-6o.

This permit may be revoked, suspended, modified, transferred, or reissued, in order to comply with applicable law. The Commissioner may also modify this permit when it is deemed necessary to do so.

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The Permittee shall submit a revised permit application to the Commissioner at least one hundred and eighty (180) calendar days before making any changes to any of the permitted areas or activities. Any application shall be approved in writing by the Commissioner prior to the Permittee implementing such change. The Permittee shall submit an application for a renewal of this permit to the Commissioner at least one hundred eighty (180) calendar days prior to its expiration date.

The terms and conditions of the permits listed below are hereby superseded with the terms and conditions of this permit. Subsequently, the Permit to Operate No. 015-1L issued on October 10, 1984 and subsequent amendments are hereby revoked for administrative purposes.

In the event of a conflict between any previously issued solid waste permit and the terms and conditions of this permit, the terms and conditions of this permit shall supersede.

This permit is hereby in effect and shall expire ten (10) years from this date.

Sept. 28, 2010
Date

Amey W. Marrella
Amey W. Marrella
Commissioner



CERTIFICATE OF STEWARDSHIP

The Commissioner of Environmental Protection has made a final administrative decision to issue a Stewardship Permit to the **City of Bridgeport** for the Seaside Park Landfill,

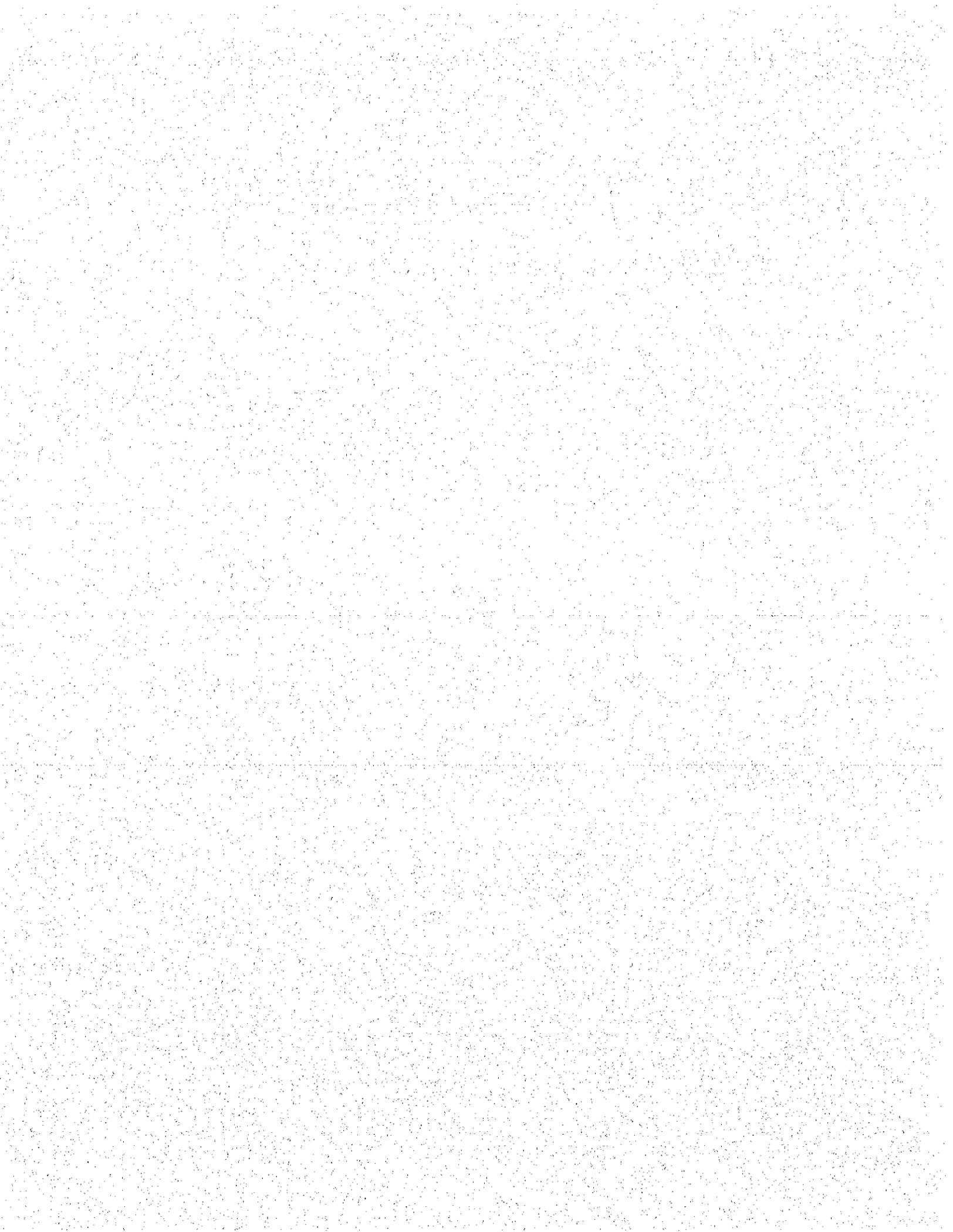
EPA ID No. CTD000651927, located on Barnum Avenue, Bridgeport, Connecticut.

This permit is for the continuation of facility closure, post-closure care, inclusive of water quality monitoring and corrective action activities, meaning the performance of environmental investigation and remediation, at the facility. This permit may be transferred upon the written authorization of the Commissioner. Opportunity for public comment has been provided in accordance with state and federal requirements.

This action is based on the obligation to initiate and complete post-closure care and environmental investigation and remediation required by state laws and regulations, including RCRA Corrective Action and Closure, and requires compliance with Connecticut's Solid Waste Management Regulations and Hazardous Waste Management Regulations, as well as state and federal guidance.

September 28, 2010
Date

Amey Marrella
Amey W. Marrella
Commissioner



STEWARDSHIP PERMIT
CITY OF BRIDGEPORT
SEASIDE PARK LANDFILL

BARNUM AVENUE
BRIDGEPORT, CT

EPA ID No. CTD000651927
Permit No. DEP/HWM/CS-015- 012

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SECTION I

Stewardship Permit
Standard Facility Conditions

CITY OF BRIDGEPORT
SEASIDE PARK LANDFILL

EPA ID No. CTD000651927
Permit No. DEP/HWM/CS-015- 012



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**STEWARDSHIP PERMIT
SECTION I
STANDARD FACILITY CONDITIONS**

A. EFFECT OF PERMIT

Except as is provided in the Regulations of Connecticut State Agencies ("RCSA") Section 22a-449(c)-110(a)(2) and except for any federally enforceable requirement(s), compliance with this Permit during its term constitutes compliance, for purposes of enforcement, with Connecticut General Statutes ("CGS") Section 22a-449(c). This Permit may be modified, revoked and reissued, or terminated during its term as set forth in RCSA Section 22a-449(c)-110(a)(1), which incorporates by reference Title 40 of the Code of Federal Regulations ("40 CFR") Parts 270.41, 270.42 and 270.43.

To fulfill requirements with both the Connecticut Solid Waste Management Regulations and the Connecticut Hazardous Waste Management Regulations, the Permittee shall perform closure, post-closure care inclusive of surface and groundwater monitoring, landfill decomposition gas monitoring and corrective action in accordance with its application (Application No. 20100981) received by the Department of Environmental Protection ("Department") on February 16, 2010 and the requirements of this Permit, as the Commissioner determines is required. In the event of a conflict between the Permittee's application and the requirements of this Permit, the requirements of this Permit shall take precedence and apply.

The issuance of this Permit does not authorize any injury to persons or property or invasion of other private rights, or any infringement of federal, state or local law or regulations.

Term (Duration) - The effective date of this Permit is the date on which the Permit is signed by the Commissioner. This Permit is in effect for a term of ten (10) years and may be renewed at the end of the term, in accordance with the requirements described in Condition No. I.E.2., "Duty to Reapply."

In accordance with 40 CFR 270.73(a), upon issuance of this Permit the Permittee's Interim Status granted under Resource Conservation and Recovery Act ("RCRA") is hereby terminated. In addition, upon the Commissioner's determination that the Permittee has satisfied the requirements of this Permit, a Certificate of Completion shall be issued to the Permittee.

B. SEVERABILITY

The provisions of this Permit are severable, and if any provision of this Permit, or the application of any provision of this Permit to any circumstances is held invalid, the application of such provision to other circumstances and the remainder of this Permit shall not be affected thereby.

C. CONFIDENTIAL INFORMATION

The Permittee may claim that any information required to be submitted by this Permit contains or constitutes confidential information in accordance with CGS Section 1-210(b).

D. IMMINENT HAZARD ACTIONS

Notwithstanding any provision of this Permit, enforcement actions may be brought pursuant to Section 7003 of RCRA, CGS Section 22a-6, or any other applicable law.

E. DUTIES AND REQUIREMENTS

1. Duty to Comply. The Permittee shall comply with all conditions of this Permit except that the Permittee need not comply with the conditions of this Permit to the extent and for the duration such noncompliance is authorized in an Emergency Permit that explicitly authorizes any such noncompliance. Noncompliance by the Permittee with the terms of this Permit, except under the terms of an Emergency Permit, shall constitute a violation of this Permit and any applicable laws or regulations and is grounds for enforcement action, for Permit termination, revocation and reissuance or for denial of a Permit renewal. Emergency Permit as used herein shall mean Emergency Permit as identified in RCSA Section 22a-449(c)-110(a)(1) incorporating 40 CFR 270.61.

A violation of this Permit for purposes of state and federal law constitutes a violation of a RCRA Permit.

2. Duty to Reapply. This Permit shall expire ten (10) years after the effective date of this Permit. The Permittee shall renew this Permit if any activity required by this Permit is not completed prior to the expiration date of this Permit. The Permittee shall apply for renewal of this Permit one hundred eighty (180) calendar days prior to the date of expiration of the Permit, in accordance with the requirements of RCSA Sections 22a-449(c)-104 and 22a-449(c)-110 incorporating 40 CFR 264.101 and 270.10(h) and any other applicable law.
3. Obligation for Closure, Post-Closure Care and Corrective Action. The Permittee is required to continue this Permit for any period necessary to comply with the closure, post-closure care and corrective action requirements of this Permit.
4. Need to Halt or Reduce Activity Not a Defense. It shall not be a defense for a Permittee in an enforcement action that it would have been necessary to halt or reduce any activity authorized by this Permit in order to maintain compliance with the conditions of this Permit, unless otherwise required to do so by another state or federal authority.
5. Duty to Mitigate. In the event of noncompliance with this Permit, the Permittee shall take all reasonable steps to minimize releases to the environment, and shall carry out such measures as are reasonable to prevent its noncompliance from having significant adverse impacts on human health or the environment. No action taken by the Permittee pursuant to this section of this Permit shall affect or limit the Commissioner's authority under any other statute or regulation.
6. Permit Actions. This Permit may be modified, revoked and reissued, or terminated as provided for in 40 CFR 270.41, 270.42 or 270.43, and in accordance with all applicable law, including but not limited to, CGS Sections 22a-6g and 6h and RCSA Sections 22a-3a-5 and 22a-449(c)-110. The filing of a request by the Permittee for a Permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any condition of this Permit.
7. Property Rights. This Permit does not convey any property rights of any sort, or any exclusive privilege to the Permittee.

8. Duty to Provide Information. The Permittee shall furnish to the Commissioner, within the timeframe specified by the Commissioner, any information which the Commissioner may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this Permit or to determine compliance with this Permit. The Permittee shall also furnish to the Commissioner, upon request, copies of records required to be kept by this Permit.
9. Post-Closure Maintenance. The Permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the Permittee to achieve compliance with the conditions of this Permit. Proper operation and maintenance, at a minimum, includes effective performance, adequate funding, adequate operator staffing and training and adequate laboratory and process controls, including appropriate laboratory quality assurance procedures. This provision requires the operation of backup, auxiliary facilities or similar systems only when necessary to achieve compliance with the conditions of this Permit.
10. Inspection and Entry. The Permittee shall allow the Commissioner, or an authorized representative, upon the presentation of credentials and other documents as may be required by law to:
 - (a) Enter at reasonable times upon the Site where a regulated activity is located or conducted, or where records must be kept under the conditions of this Permit;
 - (b) Have access to and copy, at reasonable times, any records that shall be kept under the conditions of this Permit;
 - (c) Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, and operations regulated or required under this Permit; and
 - (d) Sample or monitor at reasonable times, for the purposes of assuring Permit compliance or as otherwise authorized by RCRA, any substance or parameters at any location.
11. Security. Pursuant to RCSA Section 22a-449(c)-104 incorporating 40 CFR 264.14, the Permittee shall prevent the unknowing entry, and minimize the possibility for unauthorized entry, of persons or livestock onto the active portion of the Facility. The Permittee shall secure the Facility to the extent necessary to protect human health.
12. Monitoring and Records.
 - (a) The Permittee shall ensure that samples and measurements taken for the purpose of monitoring are representative of the monitored activity.
 - (b) The Permittee shall retain records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this Permit (i.e. records from groundwater monitoring and groundwater surface elevations), the certification required by RCSA Section 22a-449(c)-104 incorporating 40 CFR 264.73(b)(9), and records of all data used to complete the

application for this Permit, for the Post-Closure Period. This period may be extended by request of the Commissioner at any time.

- (c) Records for monitoring information shall include:
 - (i) The date, exact place and time of sampling or measurements;
 - (ii) The individual(s) or company who performed the sampling or measurements;
 - (iii) The date(s) analyses were performed;
 - (iv) The individual(s) or company who performed the analyses;
 - (v) The analytical techniques or methods used; and
 - (vi) The results of such analyses.
- 13. Operating Record. The Permittee shall maintain, in writing, the following information in the Facility's operating record until termination of this Permit:
 - (a) Records and results of inspections as required by this Permit, except this data need only be kept for three (3) years from the date of any such inspection;
 - (b) Monitoring, testing or analytical data, and corrective action where required by 40 CFR 264 Subpart F or any regulatory section noted in 40 CFR 264.73(b)(6);
 - (c) All closure, post-closure and corrective action cost estimates, as applicable, under RCSA Section 22a-449(c)-104 and 40 CFR 264.142 and 40 CFR 264 Subpart H; and
 - (d) Any other information required by this Permit or by any applicable law to be maintained in the Facility operating record.
- 14. Signatory Requirements. The Permittee's application and all reports or information submitted to the Commissioner by the Permittee pursuant to this Permit shall be signed by the person specified in and contain the certification prescribed in RCSA Section 22a-449(c)-110 incorporating 40 CFR 270.11.
- 15. Transfers. This Permit is not transferable to any person without the advanced written authorization of the Commissioner. The Commissioner may request any information deemed necessary regarding the potential transferee. Before any such transfer, the Permittee and any proposed transferee shall fully comply with the requirements of CGS Section 22a-6o. The Commissioner may require modification or revocation and reissuance of this Permit to change the name of the Permittee and as an incident to any such transfer, incorporate such other requirements, as the Commissioner deems necessary.

In advance of transferring ownership or operation of its Facility prior to the termination of this Permit, the Permittee shall notify the prospective new owner or operator in writing of the requirements of this Permit, 40 CFR 264 through 270, and of the RCSA Section 22a-449(c)100 et. al. The Permittee shall provide such prospective new owner or operator with a copy of this Permit.

The Permittee's failure to notify the new Permittee of the requirements of this Permit in no way relieves the new Permittee of his obligations to comply with all applicable requirements.

If the transfer of the property takes place and the Permittee retains the Permit, an access agreement between the Permittee and the prospective new owners of the Facility shall be approved by the Commissioner prior to the sale of the Facility/Site. The agreement shall include the anticipated times, locations and frequency of access needed in order for the Permittee to complete closure, post-closure care and corrective action activities and conduct inspection, operation and management activities for all remedial systems. A copy of the Post Closure Plan, referenced in Condition No.II.A.1.. of this Permit, shall be provided to the prospective new owner prior to transfer of the property.

16. Reporting Requirements.

- (a) Anticipated Non-Compliance. The Permittee shall give as much advance written notice as possible to the Commissioner of any planned changes in the Facility or activity, which may result in non-compliance with any requirement of this Permit.
- (b) Compliance Schedules. Except where otherwise provided for in this Permit, reports of compliance and non-compliance with, or any progress reports on, interim and final requirements contained in any Compliance Schedule (Section III) of this Permit, shall be submitted no later than fourteen (14) calendar days following each schedule date, to the extent such reports are required herein.
- (c) Twenty-four Hour Reporting.
 - (i) The Permittee or designee shall orally report to the Commissioner any condition resulting from remedial activity or waste related activity at its Facility, irrespective of whether such activity is in compliance with the requirements of this Permit, which does or may pose an imminent and substantial endangerment to human health or the environment, immediately but not later than twenty-four (24) hours from the time the Permittee becomes aware or should be aware of the circumstances causing such endangerment.

The report to the Commissioner shall include:

- (A) Name, address, and telephone number of the Permittee;
- (B) Name, address, and telephone number of the Facility;
- (C) Date, time and type of incident;
- (D) Description of the occurrence and its cause;
- (E) Name and quantity of waste(s) or constituents thereof involved;
- (F) The extent of injuries, if any;
- (G) An assessment of actual or potential hazards to human health and the environment;
- (H) Estimated quantity and disposition of recovered waste that resulted from the incident;

- (I) All information concerning the release of any waste or constituents thereof that may cause an endangerment to public drinking water supplies; and
 - (J) All information concerning a release or discharge of waste or constituents thereof or of a fire or explosion from the Facility, which could threaten human health or the environment
- (ii) A written submission shall also be provided within five (5) calendar days of the time the Permittee becomes aware of the circumstances described in subdivision (i) above. The written submission shall contain a description of the endangerment and its cause; the period of endangerment including exact dates and times, if the endangerment has been abated, and if not, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the endangerment. The Permittee shall maintain in the operating record of its Facility a copy of all such written reports. The Commissioner may waive the five (5) day written notice requirement in favor of a written report within fifteen (15) days of the incident requiring reporting.
- (iii) Nothing in this section shall effect or relieve the Permittee of its obligations under CGS Sections 22a-6u or 22a-450.
- (d) Other Noncompliance. The Permittee shall report all instances of noncompliance with this Permit not otherwise required to be reported by this Permit to the Commissioner along with any other required monitoring report, no later than thirty (30) days from or after the date the Permittee is aware, or reasonably should have been aware of any such noncompliance. Any such report shall contain, at a minimum, the information listed in Condition No. I.E.16.(c)(i) of this Permit.
- (e) Other Information. When the Permittee becomes aware that it failed to submit any relevant facts or information in a Permit application, or submitted incorrect information in a Permit application, report or other document provided to the Commissioner regarding this Permit, it shall submit such relevant facts or correct information to the Commissioner within thirty (30) calendar days of becoming aware of such facts or information.
17. Computation of Time.
- (a) Except as is expressly provided for in this Permit, the computation of time periods set forth in this Permit shall be as follows:
 - (i) Any time period scheduled to begin on the occurrence of an act or event shall begin on the day after the act or event.
 - (ii) Any time period scheduled to begin before the occurrence of an act or event shall be computed so that the period ends on the day before the act or event.
 - (iii) If the final day of any time period falls on a Saturday, Sunday or a federally or state recognized legal holiday or state mandated furlough day, the time period shall be extended to the next working day.

- (b) Submission of Reports. Where this Permit requires the submission of a written report, a notification or other information or documentation to the Commissioner, the report or notification shall be deemed submitted on the date such report, notification or other information is received by the Department.
18. Availability, Retention and Disposition of Records. The Permittee shall ensure that all records required under RCSA Sections 22a-449(c)-100 to 119 et. seq. or this Permit, including all plans, are furnished upon request, and made available at all reasonable times for inspection, by any officer, employee, or representative of the Department or the U.S. Environmental Protection Agency ("EPA").
- The retention period for all records required under RCSA Sections 22a-449(c)-100 to 119 and this Permit is extended automatically during the course of any unresolved enforcement action regarding the Facility or as requested by the Commissioner or Regional Administrator of EPA.
19. Additional Requirements. Requirements not included in this Permit, which become effective by statute or regulation, and not made specifically inapplicable to facilities with a Permit, shall apply to the Permittee's Facility. In the event of any conflict between this Permit and any such requirement, the Permittee shall comply with the more stringent requirement. If the Permittee does not fully comply with the more stringent requirement, the Department may enforce either requirement.
20. Federal, State and Local Laws. Nothing in this Permit shall be construed to prohibit any federal, state or political subdivision thereof from imposing any requirements to the extent authorized by law which are more stringent than those imposed by this Permit. In addition, nothing in the Permit shall relieve the Permittee of its obligation to comply with any other applicable federal, state, or local statute, regulation or ordinance.
21. Modification of the Compliance Schedule.
- (a) The Permittee may request to modify the submittal due dates of the Compliance Schedule (Section III) of this Permit at any time. Such requests shall be submitted for the Commissioner's review and written approval and shall include sufficient justification for such request(s).
- (b) The Commissioner may grant extensions of submittal due dates based on the Permittee's demonstration that sufficient justification for the extension exists. Extensions to due dates, which this Permit explicitly defines as being due by a certain time or during a certain time interval, may be granted by the Commissioner if sufficient justification for the extension is demonstrated by the Permittee.
22. Delegation of Licensed Environmental Professional
- (a) Pursuant to RCSA Section 22a-133v, a licensed environmental professional ("LEP") may verify that site-wide environmental investigation has been performed in accordance with prevailing standards and guidelines and remediation activities have addressed any and all requirements of the

Commissioner and have achieved compliance with the Remediation Standard Regulations.

- (b) The LEP shall submit the final report for site-wide corrective action for the Commissioner's review and written approval in conjunction with the submission of the verification.
- (c) In the event the Commissioner revokes the delegation of site-wide investigation and oversight of site-wide corrective action, the Permittee shall ensure all reports and documents required by this Permit are submitted for the Commissioner's review and written approval within the timeframes specified.
- (d) The Permittee shall notify the Commissioner in writing of the identity of any LEP other than the one approved by the Commissioner, within ten (10) calendar days after assigning or retaining any LEP for the purpose of addressing the actions required by this Permit. The Permittee shall submit to the Commissioner a description of the assigned LEP's education, experience and training which is relevant to the work required by this Permit within ten (10) calendar days after a request for such a description has been made. Nothing in this paragraph shall preclude the Commissioner from finding a previously acceptable LEP unacceptable.

F. DEFINITIONS

Any term not otherwise defined herein shall be defined as that term is defined in RCSA 22a-449(c)-100 thru 119 incorporating 40 CFR 264 through 279.

1. "Annual" means that sampling and analysis shall occur no later than December 31st of the calendar year. The results of such sampling and analysis shall be submitted to the Commissioner no later than March 1st of the subsequent year.
2. "CFR" means the Code of Federal Regulations in effect on the date that this Permit is issued.
3. "Commissioner" means the Commissioner of Environmental Protection as defined in CGS Section 22a-2 or the Commissioner's duly authorized designee.
4. "Facility" shall mean, pursuant to 40 CFR 260.10, all contiguous land, structures, other appurtenances, and improvements on the land, used for treating, storing or disposing of hazardous and solid waste and all contiguous property under control of the owner or operator.

For the purposes of this Permit, Facility shall mean the 38.8-acre parcel of land located on Barnum Avenue in Bridgeport, CT as identified on site plan no. 1 and subject to the requirements of this Permit.

5. "Final Closure" shall mean the completion of the closure of the Metal Hydroxide Sludge Cell in accordance with the requirements of this Permit.
6. "Hazardous Waste" or "Hazardous Wastes" shall mean hazardous waste as identified or listed as hazardous waste pursuant to 42 U.S.C. Section 6901 et. seq. and Section 22a-449(c)-101 of the RCSA.
7. "Land Disposal Units" shall mean for the purposes of this Permit, the "Metal Hydroxide Sludge Cell" and the "Solid Waste Area" as defined in this Permit.
8. "Metal Hydroxide Sludge Cell" means the 1.3-acre area located along the northeastern portion of the Facility that was used for the disposal of approximately 3,755 cubic yards of hazardous wastes (EPA hazardous waste codes K061 and F006) from local industries.
9. "Period of Active Remediation" shall mean the period of time prior to the completion of remedial activity conducted pursuant to this Permit, with the exception of that period when the only remaining activity is post-remediation monitoring and monitored natural attenuation.
10. "Permittee" shall mean the person responsible for the overall operation of the Facility who has been issued a license by the Commissioner. As used herein "person" is defined in Section 22a-2(c), Chapter 439, of the CGS and "license" is defined in Section 4-166, Chapter 54 of the CGS.

11. "Post-Closure Period" means a minimum of thirty (30) years from the date of certification of closure of the Metal Hydroxide Sludge Cell. This period shall be extended or shortened by the Commissioner in accordance with 40 CFR 264.117(a)(2).

For the purposes of this Permit, the start date of the post-closure period is the date the Metal Hydroxide Sludge Cell is certified closed.

Please note: For sites in which waste will remain in place, the post-closure period shall be extended at the Commissioner's discretion. In the event the waste is removed, an alternate post-closure period may be approved by the Commissioner.

12. "Quarterly" means that sampling and analysis shall occur once every three (3) consecutive months in a calendar year (i.e. January, April, July, and October). The results of the sampling and analysis shall be submitted to the Commissioner within sixty (60) calendar days of the date of sampling.
13. "Semi-annual" means that sampling and analysis shall occur during the months of April and October each calendar year. The results of the sampling and analysis shall be submitted to the Commissioner within sixty (60) calendar days of the date of sampling.
14. "Site" means the same or geographically contiguous property which may be divided by public and private right-of-way, provided the entrance and exit between the properties is at a cross-road intersection, and access is by crossing opposed to going along, the right-of-way. Non-contiguous properties owned by the same person but connected by a right-of-way that he controls and to which the public does not have access, is also considered part of the Site property.

For the purposes of this Permit, there are two areas that comprise the Site: The Solid Waste Area and the Metal Hydroxide Sludge Cell. Herein after the term "Site" shall refer to both areas.

15. "Solid Waste Area" means the 38.8-acre area located in the southern portion of the Facility Property between Barnum Boulevard and Cedar Creek near the intersection of South Avenue and Barnum Dyke Road that was used by the City of Bridgeport for the disposal of mixed solid wastes and bulky wastes.

SECTION II

Stewardship Permit
Authorized Activities

CITY OF BRIDGEPORT
SEASIDE PARK LANDFILL

EPA ID No. CTD000651927
Permit No. DEP/HWM/CS-015- 012

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SECTION II AUTHORIZED ACTIVITIES

A. RCRA CLOSURE REQUIREMENTS

1. Closure Plan.
The Permittee shall prepare and submit a Closure Plan in accordance with the requirements of RCRA Section 22a-449(c)-104(a)(1) incorporating 40 CFR 264 Subparts F, G, and N for the Commissioner's review and written approval. The Closure Plan shall:
 - (a) Describe the specific materials stored and activities performed for the Metal Hydroxide Sludge Cell;
 - (b) Include a proposed schedule for all major closure milestones such as verification measures and the submission of a final report;
 - (c) Describe the measures to be taken to verify that closure has been completed in accordance with the Closure Plan; and
 - (d) Include a description of how the proposed closure activities will interrelate with site-wide corrective action activities.
2. Approval of Closure Plan. The Permittee shall perform closure of the Metal Hydroxide Sludge Cell in accordance with the Closure Plan submitted and approved pursuant to Condition No. II.A.1.(a) (herein after, the "approved Closure Plan").
3. Copy of Approved Closure Plan. The Permittee shall ensure that a copy of the approved Closure Plan is kept at City of Bridgeport Public Works Department or at an alternate location acceptable to the Commissioner until Final Closure has been completed and certified in accordance with the requirements of this Permit.
4. Notification of Closure. The Permittee shall notify the Commissioner in writing at least ninety (90) calendar days prior to the date it expects to begin Final Closure.
5. Schedule for Closure. The Permittee shall complete Final Closure activities, as applicable, in accordance with the approved Closure Plan. The Commissioner may approve a longer period for closure if the Permittee demonstrates to the Commissioner's satisfaction that the activities required to comply with the approved Closure Plan will of necessity take longer than twenty-four (24) months to complete and that the Permittee has taken and will continue to take all steps needed to prevent threats to human health and the environment and will comply with any additional conditions deemed necessary by the Commissioner arising from the Final Closure.
6. Completion of Closure. Within sixty (60) calendar days of the completion of Final Closure, the Permittee shall submit to the Commissioner by registered mail, a certification signed by both the Permittee and by an independent registered professional engineer stating that the Metal Hydroxide Sludge Cell, as applicable, has been closed in accordance with the approved Closure Plan. Documentation supporting the independent,

registered professional engineer's certification shall be furnished to the Commissioner upon request.

7. Liability Coverage. The Permittee shall establish and continuously maintain liability coverage for sudden accidental occurrences at the Facility in the amounts and in the manner specified in RCSA Section 22a-449(c)-104 incorporating 40 CFR 264.147(a). The Permittee shall ensure that the wording of the liability coverage secured for the purposes of compliance with this section of the Permit is identical to the wording specified in 40 CFR 264.151, except that all references to the "Regional Administrator of EPA" shall be changed to the "Commissioner of DEP." The Permittee shall maintain such liability coverage in effect until the Commissioner notifies the Permittee in writing that maintaining such coverage is no longer required, as is provided for in Condition No. II.A.8.

8. Release of Liability Coverage. Within sixty (60) calendar days after receiving certifications, submitted pursuant to Condition No. II.A.6., from the Permittee and an independent registered professional engineer that Final Closure has been completed in accordance with the approved Closure Plan, the Commissioner will notify the Permittee in writing that it is no longer required to maintain liability coverage for the Facility, unless the Commissioner has reason to believe that Final Closure has not been performed and/or completed in accordance with the approved Closure Plan. The Commissioner shall provide the Permittee with a detailed written statement of any such reason to believe that closure has not been performed and/or completed in accordance with the approved Closure Plan.

B. POST-CLOSURE REQUIREMENTS

1. Post-Closure Care Plan. The Permittee shall prepare and submit a Post-Closure Care Plan for the Land Disposal Units in accordance with the requirements of RCSA Section 22a-449(c)-104(a)(1) incorporating 40 CFR 264 Subpart G for the Commissioner's review and written approval. The Post-Closure Plan shall include:
 - (a) A description and frequency of the planned maintenance and inspection activities that will be performed to ensure: (A) the integrity of the cap/final cover and/or other containment systems; and (B) the function of the monitoring equipment;
 - (b) A compliance monitoring program developed in accordance with the requirements of RCSA Section 22a-449(c)-104 incorporating 40 CFR 264.99, and an evaluation of the existing monitoring data to determine if compliance is achievable;
 - (c) If it is determined that compliance cannot be achieved the Permittee shall include a description of how corrective action, required pursuant to 40 CFR 264.100, will be interrelated into site-wide corrective activities.
 - (d) The name, address and phone number of the Facility contact person during the Post-Closure Care Period;
 - (e) A schedule for the reporting requirements, including but not limited to, groundwater monitoring reports, scheduled and unscheduled inspection and maintenance reports, and corrective action reports resulting from inspection and maintenance activities; and
 - (f) A detailed estimate of the cost of performing post-closure care of the land disposal units developed in accordance with the 40 CFR 264 Subpart H.
2. Modifications to Approved Post-Closure Plan. The Permittee shall submit a written notification or request for a Permit modification to authorize a change in the approved Post-Closure Plan in accordance with the applicable requirements of 40 CFR 124 and 40 CFR 270. The written notification or request must include a copy of the amended post-closure plan for the Commissioner's review and written approval.
3. Copy of Post-Closure Plan. The Permittee shall ensure that a copy of the approved Post-Closure Plan is kept at the City of Bridgeport Public Works Department or at an alternate location acceptable to the Commissioner, until the Post-Closure Care Period has been completed and certified in accordance with the requirements of this Permit.
4. Completion of Post-Closure Period.
 - (a) The Permittee shall notify the Commissioner in writing two (2) calendar years prior to the anticipated end date of the Post-Closure Period for the Solid Waste Area.
 - (b) Within sixty (60) calendar days after the completion of the Post-Closure Period, the Permittee shall submit to the Commissioner by registered mail, a certification

signed by both the Permittee and by an independent registered professional engineer stating that the post-closure care for the Land Disposal Units, was performed in accordance with the specifications in the approved Post-Closure Plan. Documentation supporting the independent, registered professional engineer's certification shall be furnished to the Commissioner upon request.

5. Ecological Risk Assessment. Pursuant to RCSA Section 22a-133k-2(i), the Permittee shall prepare and submit for the Commissioner's review and written approval an Ecological Risk Assessment evaluating the potential for ecological receptors to be exposed to contaminants and to ensure that any remedial goals and objectives address protection for those receptors from existing or potential contaminant exposures.
6. Notification Requirements for Newly Discovered Releases.
 - (a) The Permittee shall notify the Commissioner in writing of any newly discovered release(s) of solid or hazardous waste or hazardous waste constituents discovered during the course of post-closure care, groundwater monitoring, environmental audits, or other means, within fifteen (15) calendar days of the date of discovery.
 - (b) If the Commissioner determines that further investigation of the Site is needed, the Permittee shall be required to prepare a plan for further investigation within sixty (60) calendar days of notification by the Commissioner.
7. Inspections.
 - (a) The Permittee shall inspect the Facility for malfunctions, deterioration, and discharges, which may lead to any release of hazardous or solid wastes. The Permittee shall remedy any deterioration which an inspection reveals, to ensure that the problem does not lead to an environmental hazard. Where a hazard is imminent or has already occurred, remedial action shall be taken immediately.
 - (b) The Permittee shall ensure inspections are performed on a Quarterly basis by a registered professional engineer. Such inspections shall include, but not be limited to:
 - (i) Odors and dust control;
 - (ii) Conditions of the access road;
 - (iii) Erosion, settling, subsidence or other events that may affect the grading;
 - (iv) Integrity of the final cover soils and vegetation;
 - (v) Drainage control;
 - (vi) Leachate seeps; and
 - (vii) Groundwater monitoring systems.
 - (c) The Permittee shall record all inspections in an inspection log. The inspection logs shall include: the date and time of the inspection, the name of the inspector and company or affiliation, a notation of the observations made, and the date and nature of any repairs. Such records shall be kept for at least three (3) years from the date of inspection or for longer if a more stringent condition applies, and maintained in either an electronic format with a copy available to the Commissioner upon request, or a written copy in the Facility's Operating Record.

8. Maintenance of Final Cover. The Permittee shall ensure that the final cover for the Site is properly maintained and repaired when necessary in accordance with the approved Post-Closure Plan. Proper maintenance shall include, but not be limited to, ensuring that:
 - (a) Established vegetation is cut to the proper length to ensure that the root depth is less than six (6) inches for the Metal Hydroxide Sludge Cell.
 - (b) For areas in which erosion has occurred, the lost material shall be replaced and the area re-seeded; and
 - (c) Obstructions to the drainage structures are removed and properly disposed.

9. Future Public Use and Recreation Plan. The Permittee shall prepare and submit for the Commissioner's review and written approval a plan for the proposed future public use and recreation plan for the Site in accordance with the requirements of RCSA Section 22a-209-13.

10. Public Participation Plan. The Permittee shall prepare and submit for the Commissioner's review and written approval a Public Participation Plan. Such plan shall include:
 - (a) The development of a site mailing list that at a minimum includes: the Chief Elected Official, the Director of Health, the Fire Chief, and Planning and Zoning Department for the City of Bridgeport; the State Representative(s) and Senator(s) that represent the City of Bridgeport; and the property owners identified in Condition No. II.B.11.(b) and (c).
 - (b) A provision for notifying the owners and/or occupants of the properties adjacent to the or affected by the Facility at least thirty (30) calendar days prior to the start or completion of remediation work or when there is a significant change in the environmental conditions of the site or area(s) affected by the site.
 - (c) A provision for notifying the owners and/or occupants of any additional properties identified by the US EPA or the Department to be within the area in which the ground waters can reasonably be expected to become polluted as the result of any pollution emanating from the site; and
 - (d) A proposal for the provision of semi-annual written updates via a letter or newsletter or any other means to the site mailing list regarding the status of corrective action at the site and areas affected by the site.
 - (e) A public notice prior to the start of or completion of remedial activities or the completion of post-closure care inclusive of landfill decomposition gas monitoring, and surface and groundwater monitoring at the Site or area affected by the Site or any portion thereof consistent with Condition No. II.A.11. of this Permit and the requirements of CGS Section 22a-134(i);
 - (f) The submittal of a copy of such notice to the Commissioner ten (10) calendar days prior to the date of the publication; and

- (g) The submittal of a written summary of all comments received and responses thirty (30) calendar days after the end of the comment period.

The Permittee shall submit a revised plan sixty (60) calendar days after the installment of any future remedial system of treatment and control, or any significant change in site conditions.

The Commissioner shall review the summary of the comments and the Permittee's responses and shall either: adopt the responses, adopt the responses with modifications, or reject the responses and prepare a response to each comment.

In the event of substantial changes in the remedial or post-closure care approach, the Commissioner may require an additional opportunity for public comment with respect to such changes.

11. Public Notice Requirements. The Permittee shall provide public notice of any proposed remediation and the Commissioner's tentative determination that remediation and/or post-closure care inclusive of surface and groundwater monitoring is complete. Each public notice must provide a forty-five (45) calendar day comment period and a public information meeting no earlier than thirty (30) calendar days from the date of the public notice and no later than forty-five (45) calendar days after the public notice.

- (a) Prior to the commencement of any proposed remedial action, the public notice shall summarize the investigations undertaken, the results of the investigations, clearly identify the proposed remedial activities, and include an address and telephone number for a contact person. Pursuant to the requirements of 40 CFR 124, the Permittee shall:

- (i) Publish the notice in a newspaper having substantial circulation in the municipality in which the Site or the affected area is located;
- (ii) Broadcast the notice on a radio station during the high volume listening times on the same day the notice is published;
- (iii) Provide a copy of the notice to the Chief Elected Official and the Director of Health of the municipality where the Site or affected area is located;
- (iv) Provide a copy of the notice to the owner or operator of the Site (if the Permittee is not the Site owner or operator) and to all persons on the Facility mailing list maintained pursuant to 40 CFR 124.10(c)(1)(ix); and
- (v) Erect and maintain a sign at least six (6) feet by four (4) feet for at least thirty (30) calendar days in a legible condition at the Site, clearly visible from the public highway and including the words "ENVIRONMENTAL CLEAN-UP IN PROGRESS AT THIS SITE. FOR FURTHER INFORMATION CONTACT:", and a telephone number at which any interested person may obtain additional information about the remediation.

- (b) Prior to the Commissioner's final determination that remediation and/or post-closure care inclusive of surface and groundwater monitoring is complete, the Permittee shall:
- (i) Publish the notice in a newspaper having substantial circulation in the municipality in which the Site or the affected area is located;
 - (ii) Broadcast the notice on a radio station during the high volume listening times on the same day the notice is published;
 - (iii) Provide a copy of the notice to the owner or operator of the Site (if the Permittee is not the Site owner or operator) and to all persons on the Facility mailing list maintained pursuant to 40 CFR 124.10(c)(1)(ix); and
 - (iv) Include a summary of the basis for the Commissioner's determination.
- (c) Upon the completion of the public comment period the Commissioner shall make a final determination. If the final determination is that post-closure care and/or remediation is complete then the Stewardship Permit will be terminated and a Certificate of Completion will be issued.

C. WATER QUALITY MONITORING REQUIREMENTS

1. Water Quality Monitoring Plan.
The Permittee shall perform surface and groundwater monitoring in accordance with the Groundwater Monitoring Plan, included in the application and as Appendix C-1 of this Permit; until it is superseded by the approval of a revised Water Quality Monitoring Plan submitted pursuant to Condition No. II.C.2. of this Permit. Herein after, the "approved Water Quality Monitoring Plan".
2. Modifications to Approved Water Quality Monitoring Plan. If at any time the Commissioner or Permittee determines that a revision to the Water Quality Monitoring Plan is needed or required, the Permittee shall prepare and submit for the Commissioner's review and written approval a revised water quality monitoring plan for the Facility developed in accordance with the requirements

The Permittee shall submit a written notification or request for a permit modification to authorize a change in the approved Water Quality Monitoring Plan in accordance with the applicable requirements of 40 CFR 124 and 270. The written notification or request must include a copy of the amended water quality monitoring plan for the Commissioner's review and written approval.

3. Copy of Approved Water Quality Monitoring Plan. The Permittee shall ensure that a copy of the approved Water Quality Monitoring Plan is kept at the City of Bridgeport Public Works Department or at an alternate location acceptable to the Commissioner, until the surface and groundwater monitoring has been completed and certified in accordance with the requirements of this Permit.
4. Proper Operation and Maintenance. The Permittee shall at all times properly operate and maintain all monitoring wells which are installed or used by the Permittee to achieve compliance with this Permit. Proper maintenance, at a minimum, includes inspections to detect existing and potential problems and adequate funding to maintain proper conditions and repair any problems at the Site.
5. Quality Assurance Project Plan. The Permittee shall prepare and submit for the Commissioner's review and written approval a Quality Assurance Project plan ("QAPP"), prepared in accordance with the document titled: *Quality Assurance Guidance for Conducting Brownfields Site Assessments*, US Environmental Protection Agency OSWER Directive No. 9230.0-83P, and incorporating Connecticut's Reasonable Confidence Protocols. The Permittee shall ensure that the data is of sufficient quality to make decisions regarding investigation, potential remediation, and monitoring of the Site.
6. Monitoring Frequency. The Permittee shall perform surface and groundwater monitoring on a frequency specified in the approved Water Quality Monitoring Plan pursuant to Condition II.C.1.
7. Future Corrective Action. If the Commissioner determines that the surface and groundwater monitoring data indicates the soil and/or groundwater remediation was not effective, the Permittee shall within one hundred eighty (180) days of the Commissioner's notice, submit for the Commissioner's review and written approval, a

plan for additional soil and groundwater characterization and establishment of a corrective action program consistent with the objectives of 40 CFR 264.100.

8. Completion of Water Quality Monitoring. Within sixty (60) calendar days after the completion of surface and groundwater monitoring (i.e the end of the Post-Closure Period), the Permittee shall submit to the Commissioner by registered mail, a certification signed by both the Permittee and by an independent registered professional engineer stating that the surface and groundwater monitoring for the Site was performed in accordance with the specifications in the approved Water Quality Monitoring Plan. Documentation supporting the independent, registered professional engineer's certification shall be furnished to the Commissioner upon request.

D. FINANCIAL RESPONSIBILITY

1. Cost Estimates. The Permittee shall submit for the Commissioner's review and written approval written estimate(s) of the cost of performing closure, post-closure inclusive of surface and groundwater monitoring of the Site for the Post-Closure Period and in accordance with the requirements of this Permit. The Permittee shall ensure that such written estimates are prepared in accordance with the methodology specified in RCSA 22a-449(c)-104 incorporating 40 CFR 264.142(a) and 40 CFR 264.144(a), as applicable. Note: a fifteen percent (15%) contingency shall be applied to the estimates for unforeseeable elements or events which may increase the cost of performing closure, post-closure care and corrective action.
2. Establishment of Financial Assurance. The Permittee shall establish and continually maintain financial assurance using one or more of the instrument formats prescribed by the Commissioner's for investigation and remediation of the Site or areas affected by the Site inclusive of closure of the Metal Hydroxide Sludge Cell.
3. Inflationary Adjustments. The Permittee shall adjust amounts of financial assurance to reflect inflationary costs as required by RCSA Section 22a-449(c)-104 incorporating 40 CFR 264.142, and any factors that bear on the cost of performing the work that remains to be completed under this Permit. Adjustments shall be made each year, within thirty (30) calendar days of the end of the fiscal year (i.e. July 30th) until the Commissioner releases the Permittee from the financial assurance requirements of this Permit.

The latest adjusted cost estimate(s) shall be kept at the Facility and a signed original shall be submitted to the Commissioner within fourteen (14) calendar days of preparation.

4. Periodic Reductions. Upon request by the Permittee, the Commissioner may approve periodic reductions in the amount of financial assurance commensurate with the completion of corrective action activities. Such request shall include a revised cost estimate and demonstration of completed work activities which equates to at least a fifteen percent (15%) reduction in the estimate costs.
5. Maintenance of Financial Assurance. The Permittee shall maintain such financial assurances in effect until the Commissioner notifies the Permittee in writing that it is no longer required to maintain such a mechanism for financial assurances as provided for in Condition No II.D.6. of this Permit.
6. Release of Financial Assurance.
 - (a) Within sixty (60) calendar days after receiving the certification, submitted pursuant to Condition No. II.A.6., that Final Closure of the Metal Hydroxide Sludge Cell has been completed in accordance with the approved Closure Plan, the Commissioner will notify the Permittee in writing that it is no longer required to maintain financial assurance for closure of the Metal Hydroxide Sludge Cell, unless the Commissioner has reason to believe that Final Closure has not been performed and/or completed in accordance with the approved Closure Plan. The Commissioner shall provide the Permittee with a detailed written statement of

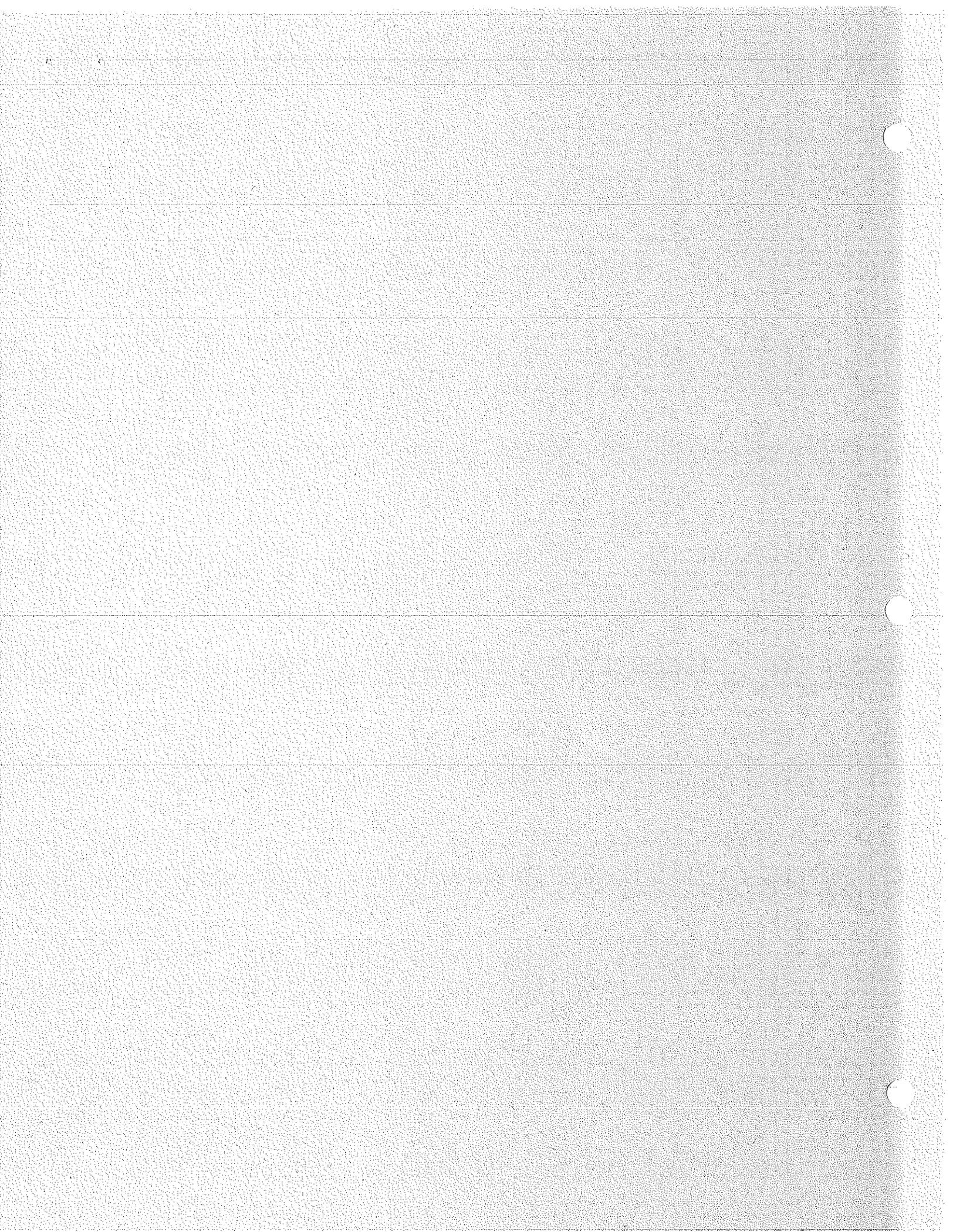
any such reason(s) to believe that closure has not been performed and/or completed in accordance with the approved Closure Plan.

- (b) Within sixty (60) calendar days after receiving the certification, submitted pursuant to Condition No. II.B.4., that post-closure care of the Land Disposal Units has been completed in accordance with the approved Post-Closure Plan, the Commissioner will notify the Permittee in writing that it is no longer required to maintain financial assurance for post-closure care of the Site, unless the Commissioner has reason to believe that post-closure care has not been performed and/or completed in accordance with the approved Post-Closure Plan. The Commissioner shall provide the Permittee with a detailed written statement of any such reason(s) to believe that post-closure has not been performed and/or completed in accordance with the approved Post-Closure Plan.
- (c) Within sixty (60) calendar days after receiving the certification, submitted pursuant to Condition No. II.C.8., that water quality monitoring of the Site has been completed in accordance with the approved Water Quality Monitoring Plan, the Commissioner will notify the Permittee in writing that it is no longer required to maintain financial assurance for water quality monitoring of the Site, unless the Commissioner has reason to believe that water quality monitoring has not been performed and/or completed in accordance with the approved Water Quality Monitoring Plan. The Commissioner shall provide the Permittee with a detailed written statement of any such reason(s) to believe that water quality monitoring has not been performed and/or completed in accordance with the approved Water Quality Monitoring Plan.

7. Failure to Perform. If the Permittee fails to perform any of the terms or conditions of this Permit, the financial assurance shall be available to the Commissioner to perform such terms or conditions of this Permit provided that, prior to drawing upon any mechanism(s) for financial assurance, the Commissioner shall notify Permittee, in writing, of the alleged failure to perform and provide Permittee with a reasonable period of not less than fifteen (15) calendar days in which to remedy the alleged non-performance.

E. MISCELLANEOUS

1. The Permittee shall not operate the Facility in any manner that stores, treats, or disposes of hazardous or solid wastes or in any way manages hazardous or solid wastes other than hazardous or solid wastes that may be generated during Facility maintenance, authorized closure and/or corrective action activities. Such waste shall be managed in accordance with all applicable regulations. The Permittee shall comply with all applicable requirements of RCSA Section 22a-449(c)-102 incorporating 40 CFR Part 262 "Standards Applicable to Generators of Hazardous Waste".



Appendix C-1
Water Quality Monitoring Plan

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LEGGETTE, BRASHEARS & GRAHAM, INC.

PROFESSIONAL GROUND-WATER AND ENVIRONMENTAL ENGINEERING SERVICES

4 RESEARCH DRIVE, SUITE 301
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March 14, 2008

Mr. David Ringquist
Connecticut Department of
Environmental Protection
79 Elm Street
Hartford, CT 06106

RE: Seaside Landfill
Bridgeport, Connecticut

Dear Mr. Ringquist:

On behalf of the City of Bridgeport, Leggette, Brashears & Graham, Inc. (LBG) is requesting a modification of the monitoring parameters and sampling frequency of the Seaside Landfill, located in Bridgeport, Connecticut (figure 1). Currently, ground water from four locations are tested quarterly for monitoring parameters specified in 40 CFR, 265.92 (b)(1), (2) and (3) (which includes barium, cadmium, chromium, iron, manganese, sodium, silver, lead, chloride, fluoride, nitrate (as Nitrogen), phenols, sulfate, total organic carbon, total organic halogens, turbidity, gross alpha, gross beta and total radium), and total cyanide and nickel. In addition, volatile organic compounds (VOCs) are sampled annually. A monitoring schedule of semi-annually, with a modification of analytical parameters, is being requested.

As a result of a regulated metal hydroxide cell located in the northeastern corner of the landfill, the landfill has been subject to Resource Conservation Recovery Act (RCRA) interim status ground-water monitoring. This area, encompassing less than 2 acres of the 46-acre landfill, accepted approximately 3,755 cubic yards of metal hydroxide waste between 1974 and 1981. The remaining area of the landfill was used for the disposal of municipal solid waste. Between 1996 and 2000 the remaining space of the inactive landfill was used for disposal of mechanically processed demolition debris. Ground-water monitoring has been conducted quarterly at the landfill since 1986, under Interim Status as per 40 CFR 265 Subpart F (because of the regulated metal hydroxide cell). The monitoring is being conducted in accordance with Section 22a-449 (c)105 of the Connecticut General Statutes.

The quarterly monitoring includes collecting ground water from four wells (MW-2R, MW-3, MW-4 and MW-5) located around the perimeter of the landfill (figure 1). Two of the wells, MW-3 and MW-4 are clearly unrelated to monitoring of the RCRA regulated cell, but provide background water quality from other portions of the landfill. Following the second quarter of 2001, two original monitor wells (MW-1 and MW-2) were found to be destroyed.

After discussions with the Connecticut Department of Environmental Protection (CTDEP), LBG incorporated an existing well (MW-5) and a replacement well (MW-2R) into the RCRA program. Monitor Well MW-5 had been installed downgradient of the landfill, adjacent to the eastern edge of the metals cell, in 1997 as part of a zone of influence investigation.

Continuous quarterly ground-water monitoring conducted since 1986 to satisfy RCRA monitoring requirements has demonstrated no detections that are attributable to the hazardous waste cell. A full discussion of the historical data spanning from 1986 through 1997 can be found in the LBG report entitled "Zone of Influence Investigation, Seaside Landfill, Bridgeport, Connecticut" dated March 1998. Data generated after 1997 to the present are included in each annual RCRA ground-water summary report that is submitted to CTDEP as part of RCRA interim ground-water monitoring requirements.

In 1997, an investigation to define the lateral and vertical extent of the zone of influence of the overall landfill was conducted as part of a requirement by CTDEP to allow the City of Bridgeport to use the remaining space of the inactive landfill for the disposal of mechanically processed demolition debris (CTDEP Consent Order SW-381; Item B10, dated October 3, 1996). Based on the study and the ground-water data collected in and around the landfill since 1986, there is no indication that the landfill is having a negative impact on the adjacent surface-water bodies nor is ground-water quality significantly impacted by the hazardous waste cell. A full discussion of the investigation results can be found in the LBG report entitled "Zone of Influence Investigation, Seaside Landfill, Bridgeport, Connecticut" dated March 1998.

Based on the quarterly results spanning from 1986 through 2007, elevated concentrations of chloride, sodium and sulfate are consistently observed in all of the wells with the highest concentrations typically detected in the two wells located along Cedar Creek (MW-2R and MW-5) (table 1). The occurrence of these parameters has been attributed to interference from salt-water intrusion from Cedar Creek and Long Island Sound. In addition to these inorganic parameters, large fluctuations of gross beta concentrations have been detected. Previous investigations have confirmed that the source of gross beta in the wells adjacent to Cedar Creek (MW-2R and abandoned MW-1) is Potassium 40, which is naturally occurring in sea water. Ground-water samples collected from these two monitor wells have consistently shown a clear interference from the saline water of Cedar Creek and Long Island Sound.

The water-quality results indicate that several metals have never been detected above criteria or have had isolated detections above criteria in ground water collected from the monitor wells (table 2). As shown on table 2, both barium and silver have never been detected above criteria in any of the wells since the monitoring program was initiated in 1986. In addition to these metals, isolated exceedances of chromium, cadmium and cyanide have been documented in wells MW2R, MW-3 and MW-4.

Chromium was only detected four times above criteria since ground-water monitoring was initiated (table 2). Chromium was detected above criteria once in one monitoring well downgradient of the RCRA cell (MW-2) and once in the non-RCRA related monitor wells MW-3 and MW-4 in 1989 (detected at a concentration of 0.89 mg/l (milligrams per liter), 0.26 mg/l and 0.24 mg/l, respectively). Chromium was detected one other time, in well MW-4

in 1999 (detected at a concentration of 0.06 mg/l). The lowest criterion for chromium is 0.05 mg/l. Chromium has not been detected above criteria in monitor wells MW-2 and MW-3 for 18 years (since 1989) and has not been detected above criteria in monitor well MW-4 for 8 years (since 1999). Chromium has never been detected above criteria in RCRA-related monitor well MW-5 since sampling of this well was initiated in 1997.

Cadmium was only detected four times above criteria since ground-water monitoring was initiated (table 2). Cadmium was detected in the non-RCRA related monitor wells MW-3 and MW-4; at a concentration of 0.019 mg/l in ground water from MW-3 in 1992, at a concentration of 0.016 mg/l in ground water from MW-4 in 1999. Cadmium was also detected twice in the RCRA-related monitor well MW-2/MW-2R twice, at a concentration of 0.03 mg/l and 0.006 mg/l in 1987 and 2001, respectively. The lowest criterion for cadmium is 0.005 mg/l. Cadmium has not been detected above criteria in the RCRA-related monitor well MW-2 for 6 years (since 2001 when it was slightly above criteria) and has never been detected in the RCRA-related monitor well MW-5 since sampling of this well was initiated in 1997. Cadmium has not been detected above criteria in the non-RCRA related monitor wells MW-3 and MW-4 for 15 (since 1992) and 8 (since 1999) years.

Cyanide was detected above criteria in both non-RCRA related monitor wells MW-3 and MW-4 in 1989 (concentrations ranging from 0.85 mg/l to 1.5 mg/l) and in 1991 at concentrations ranging from 0.22 mg/l to 0.34 mg/l. Cyanide was detected once in RCRA-related well MW-2 in 1991 at a concentration of 0.299 mg/l (table 1). The lowest criterion for cyanide is 0.2 mg/l. Cyanide has not been detected above criteria in wells MW-2, MW-3 or MW-4 for 16 years (since 1991). Cyanide has never been detected above criteria in RCRA-related monitor well MW-5 since sampling of this well was initiated in 1997.

Based on the historic water-quality data generated over the past 21 years, it is clear that the results for chloride, sodium, sulfate and the radiological parameters detected in the monitor wells downgradient of the former RCRA cell (MW-2R and MW-5) have been influenced by salt-water interferences from Cedar Creek and are not representative of the ground-water quality from the RCRA cell. As a result, these analysis should be eliminated from MW-2R and MW-5 monitoring requirements.

Aside from the normal leachate parameters that are being tested in all of the ground-water samples, the landfill is subject to heavy metal monitoring to identify potential impact from the former metal hydroxide cell. With the exception of lead which has been detected above criteria in each of the RCRA and non-RCRA monitor wells and nickel which has been sporadically detected above criteria at least once in the non-RCRA monitor wells (MW-3 and MW-4) since the beginning of the monitoring program, there have been limited detections of the other heavy metals that could be associated with the former RCRA metal hydroxide cell. Barium and silver have never been detected above criteria in any of the ground-water samples since the inception of the monitoring program. Chromium has not been detected above criteria in RCRA-related monitor well (MW-2R) for 18 years. Cadmium has not been detected above criteria in ground water downgradient of the RCRA cell for 6 years and cyanide has not been detected above criteria in a RCRA-related monitor well for 16 years. As a result, we are proposing to eliminate barium, chromium, cadmium, cyanide and silver from the entire monitoring program. Because

March 14, 2008

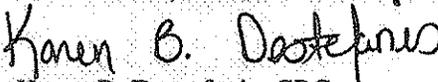
nickel and lead have been detected in ground water sampled from both RCRA and non-RCRA related wells, these two parameters will continue to be monitored.

Because the historical data has provided sufficient seasonal data, we are requesting a reduction in sampling frequency, from quarterly to semi-annual. Based on this request, the four monitor wells would be sampled at six-month intervals and ground water would be analyzed for fluoride, iron, lead, manganese, nickel, nitrate (as N), phenols and turbidity. As described above, because lead and nickel have been detected occasionally above criteria and are parameters associated with the former metal hydroxide cell, they would continue to be monitored in ground water from all four wells. Chloride, sodium, sulfate and the radiological parameters would be monitored in ground water from the non-RCRA related wells (MW-3 and MW-4) but would be eliminated from the Cedar Creek wells (MW-2R and MW-5) because of the salt-water interferences. Because ground water is monitored for all of the specific contaminants of concern there is no need for analysis of the general screening parameters total organic halogen and total organic carbons. Therefore, these two general parameters would also be eliminated from the monitoring program. Annual analysis of volatile organic compounds would be maintained.

If you have any questions regarding this request, please feel free to contact me at your earliest convenience to discuss this matter in further detail. We look forward to receiving your approval of this modification request.

Very truly yours,

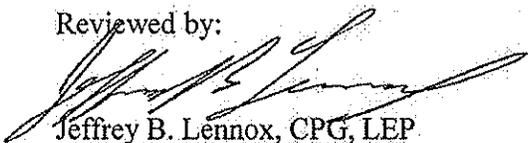
LEGGETTE, BRASHEARS & GRAHAM, INC.



Karen B. Destefanis, CPG

Associate

Reviewed by:



Jeffrey B. Lennox, CPG, LEP

Principal

KBD:mlr

cc: Barry Skinner (City of Bridgeport Engineer)

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TABLES

TABLE 1

CITY OF BRIDGEPORT
SEASIDE LANDFILL

Summary of Inorganic Parameters Which Exceeded Water Quality Standards

Well ID	Date of analysis	Concentrations measured in mg/l							Turbidity (NTU)	Concentrations measured in Pci/l		
		Chloride	Cyanide	Fluoride	Nitrate	Phenols	Sulfate	Gross Alpha		Gross Beta	Radium	
MW-2	9/11/1985	5150	-	-	-	0.025	997	-	-	-	-	-
	9/10/1986	3570	-	7.14	-	0.52	1270	-	-	-	-	-
	12/22/1986	4070	-	-	-	-	1360	25	-	-	-	-
	4/2/1987	3650	-	-	-	0.016	2000	-	-	-	-	-
	6/30/1987	3350	-	-	-	-	1550	NA	-	-	-	-
	10/13/1987	4200	-	-	-	-	1300	-	-	-	-	-
	1/7/1988	2600	-	-	-	0.73	1000	-	-	-	-	-
	4/29/1988	2500	-	-	-	0.4	1400	5.7	-	-	-	-
	7/20/1988	7000	-	-	-	-	1200	-	-	-	-	-
	2/2/1989	-	-	-	-	-	1140	6.3	-	-	-	-
	5/3/1989	750	-	-	-	-	1670	28	-	-	-	-
	8/30/1989	2600	-	-	18	-	1520	-	-	-	-	-
	12/4/1989	3200	-	-	-	-	1000	-	-	-	-	-
	2/27/1990	3300	-	-	-	-	1700	6.2	-	-	-	-
	12/27/1990	2720	-	-	-	-	960	1.53	-	210(+10)	-	-
	3/28/1991	2900	-	-	-	-	1670	33	-	-	-	-
	6/18/1991	4250	0.299	-	-	18.5	1490	3.1	-	160(+20)	-	-
	9/11/1991	4050	-	-	12	-	740	-	-	22(+20)	-	-
	12/26/1991	5350	-	-	-	-	700	26	-	300(+20)	-	-
	3/5/1992	3550	-	-	-	-	560	1.39	-	250(+20)	-	-
6/22/1992	4750	-	-	-	-	1100	32	-	200(+20)	-	-	
9/28/1992	5650	-	-	-	17.6	1240	-	-	210(+30)	-	-	
12/4/1992	4350	-	-	-	-	520	8	-	42(+36)	230(+20)	-	
3/29/1993	1600	-	-	-	77	2430	18	-	130(+20)	-	-	
6/8/1993	2000	-	-	-	71.5	2040	7	-	280(+30)	-	-	
9/15/1993	4900	-	-	-	-	800	6.5	-	-	-	-	
12/16/1993	4400	-	-	-	-	597	10.2	-	340(+40)	-	-	
3/23/1994	-	-	-	-	105	2240	9.5	-	130(+20)	-	-	
6/16/1994	2100	-	-	-	25.9	1648	-	-	150(+20)	-	-	
9/22/1994	4700	-	-	-	-	925	-	-	163(+53.1)	-	-	
12/20/1994	4800	-	-	-	11.8	1110	-	-	420(+40)	-	-	
3/24/1995	4100	-	-	-	12.1	2090	33	-	210(+10)	-	-	
6/20/1995	3900	-	-	-	-	524	22	-	120(+10)	-	-	
9/13/1995	5950	-	-	-	-	1210	-	-	270(+60)	-	-	

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		Chloride	Cyanide	Fluoride	Nitrate	Phenols	Sulfate	Gross Alpha		Gross Beta	Radium		
MW-2 (cont.)	12/13/1995	6100	-	-	-	0.015	1200	-	-	-	300(+40)	-	-
	3/20/1996	5700	-	-	23	-	1630	-	-	-	210(+40)	-	-
	6/13/1996	2900	-	-	-	-	1660	-	-	-	160(+20)	-	-
	9/18/1996	8650	-	-	-	-	360	-	-	-	370(+50)	-	-
	12/30/1996	2500	-	-	40	-	1740	5.9	-	-	190(+30)	-	-
	3/18/1997	1500	-	-	36	-	1690	-	-	-	150(+20)	-	-
	6/11/1997	1500	-	-	38	-	1030	-	-	-	130(+20)	-	-
	9/24/1997	3480	-	-	-	-	1170	-	-	-	-	-	-
	12/17/1997	-	-	-	-	-	1160	-	-	-	218(+32)	-	-
	3/31/1998	1680	-	-	-	-	889	-	-	-	-	-	-
	6/23/1998	1070	-	-	-	-	800	-	-	-	103(+16)	-	-
	9/24/1998	2580	-	-	-	-	800	16	-	-	88.8(+18)	-	-
	12/21/1998	2200	-	-	-	-	439	-	-	-	-	-	-
	3/22/1999	1200	-	-	35	-	1800	-	-	-	-	-	-
	6/28/1999	2600	-	-	-	-	1600	-	-	-	76(+8)	-	-
	9/20/1999	1400	-	-	-	-	1300	14	20.6(+10)	-	-	-	-
	12/15/1999	5300	-	-	-	-	840	14	-	-	-	-	-
	3/15/2000	3200	-	-	-	-	-	-	22.97(+10.8)	-	-	-	-
	6/29/2000	1200	-	-	37	-	1700	-	-	-	62.16(+4.73)	-	-
	9/28/2000	2700	-	-	-	-	1800	-	-	-	NA	-	-
12/29/2000	2600	-	-	-	-	1100	-	-	-	60.96(+8.71)	-	-	
3/23/2001	1700	-	-	24	-	1690	-	-	-	27.93(+9.01)	58.56(+11.41)	-	
6/29/2001	920	-	9	28	-	3300	6.9	-	-	53.45(+11.4)	-	-	
10/1/2001	-	-	2.6	-	-	-	-	-	-	97.75(+13.06)	-	-	
12/18/2001	4000	-	-	-	-	-	-	45.7	-	-	-	-	
MWR-2	3/21/2002	4300	-	-	-	-	640	94.7	-	-	91.89(+11.71)	-	-
	7/1/2002	4600	-	-	-	-	800	3.97	-	-	93.69(+12.61)	-	-
	10/2/2002	5400	-	-	-	-	940	12.2	-	-	-	-	-
	1/8/2003	4600	-	-	-	-	930	-	-	-	-	-	-
	3/31/2003	-	-	-	13	-	1000	168	-	-	-	-	-
	6/11/2003	1700	-	-	-	0.029	900	372	-	-	76.92(+11.43)	-	-
	10/2/2003	2300	-	-	12	-	1200	-	-	-	-	-	-
	1/2/2004	4900	-	-	-	-	1800	-	-	-	21.69(+2.49)	-	-
	4/13/2004	1200	-	-	-	-	970	-	-	-	80.41(+10.36)	-	-

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Well ID	Date of analysis	Concentrations measured in mg/l						Turbidity (NTU)	Concentrations measured in Pci/l			
		Chloride	Cyanide	Fluoride	Nitrate	Phenols	Sulfate		Gross Alpha	Gross Beta	Radium	
MWR-2 (cont.)	9/22/2004	2200	-	-	-	-	1400	-	-	66.9(+9)	-	-
	12/15/2004	3600	-	-	-	-	1200	-	-	115.7(+5.3)	-	-
	3/29/2005	1,100	-	-	27	0.042	1,300	-	-	56.1(+29.7)	-	-
	6/30/2005	1,800	-	-	20	-	1,200	-	-	71.0(+4.4)	-	-
	9/26/2005	2,900	-	-	-	-	1,000	-	-	86.5(+5.0)	-	-
	12/5/2005	2,100	-	-	-	0.128	1,000	-	-	92.6(+3.2)	-	-
	3/29/2006	930	-	-	-	-	1,100	-	-	101(+3)	-	-
	6/21/2006	NA	-	NA	-	-	-	2.35	-	104(+4)	-	-
	9/19/2006	1,300	-	-	-	-	420	-	-	92.2(+3.1)	-	-
	12/14/2006	680	-	-	-	-	520	5.31	-	74.5(+5.6)	-	-
	3/27/2007	590	-	-	-	-	840	-	-	63.0(+4.4)	-	-
	6/28/2007	1,600	-	-	-	-	1,200	-	-	107(+4)	-	-
	8/30/2007	2,300	-	-	-	-	1,400	-	-	125(+5)	-	-
	12/11/2007	2,300	-	-	-	-	320	12.8	-	35(+3)	1052(+260)	35(+3)
MW-3	9/11/1985	-	-	-	-	0.151	-	-	-	8(+2)	257(+34)	8(+2)
	9/10/1986	-	-	2.96	-	0.058	-	-	30	45(+8)	-	-
	12/22/1986	-	-	2.84	-	0.006	-	-	84	54(+12)	-	-
	4/2/1987	-	-	-	-	0.014	-	-	96	48(+5)	-	-
	6/30/1987	-	-	3.56	-	-	-	-	NA	-	-	-
	10/13/1987	-	-	4.6	-	-	-	-	38	-	-	-
	1/7/1988	-	-	2.5	-	-	-	-	42	-	-	-
	4/29/1988	-	-	2.3	-	7	-	-	50	-	-	-
	7/20/1988	-	-	3.3	-	-	-	-	42	-	-	-
	2/2/1989	-	1.5	5.3	-	-	-	-	510	-	-	-
	5/3/1989	-	-	4.5	-	-	-	-	330	-	61(+5)	-
	8/30/1989	-	-	3	-	-	-	-	185	-	-	-
	12/4/1989	-	-	3.3	-	-	-	-	190	NA	NA	NA
	12/27/1990	-	-	2.9	-	-	-	-	74	-	-	-
	3/28/1991	-	0.24	2.8	-	-	-	-	102	-	-	-
	6/18/1991	-	-	3.1	-	-	-	-	72	-	-	-
9/11/1991	-	0.231	-	-	-	-	-	-	-	-	-	
12/26/1991	-	0.34	2.8	-	-	-	-	61	-	-	-	
3/5/1992	-	-	2.55	-	-	-	-	102	-	430(+70)	-	
6/22/1992	-	-	2.9	-	0.12	-	-	100	-	-	-	
9/28/1992	-	-	2.66	-	-	-	-	80	-	56(+6)	-	
12/4/1992	-	-	2.75	-	-	-	-	77	-	-	-	
3/29/1993	-	-	2.57	-	-	-	-	68	-	-	-	
6/8/1993	-	-	-	-	-	-	-	56	-	56(+6)	-	

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Well ID	Date of analysis	Concentrations measured in mg/l						Turbidity (NTU)	Concentrations measured in Pci/l			
		Chloride	Cyanide	Fluoride	Nitrate	Phenols	Sulfate		Gross Alpha	Gross Beta	Radium	
MW-3 (cont.)	9/15/1993	-	-	-	-	0.01	-	78	-	-	590(+70)	-
	12/16/1993	-	-	-	-	0.007	-	104	-	-	-	-
	3/23/1994	1400	-	-	-	-	-	50	-	-	-	-
	6/16/1994	-	-	-	-	-	-	74	-	-	-	-
	9/22/1994	-	-	-	-	-	-	42	-	-	-	-
	12/20/1994	-	-	-	-	-	-	115	-	-	-	-
	3/24/1995	-	-	-	-	-	-	130	-	-	-	-
	6/20/1995	-	-	-	-	-	-	93	-	-	-	-
	9/13/1995	-	-	-	-	0.008	-	55.2	-	-	-	-
	12/13/1995	-	-	-	-	0.012	-	46	-	-	-	-
	3/20/1996	-	-	-	-	-	-	-	-	-	62(+6)	-
	6/13/1996	-	-	-	-	-	-	-	-	-	-	-
	9/18/1996	-	-	-	-	-	-	-	-	-	-	-
	12/30/1996	-	-	3.32	-	-	-	25	-	-	-	-
	3/18/1997	-	-	2.93	-	-	-	100	-	-	-	-
	6/11/1997	-	-	3.2	-	-	-	6.4	-	-	-	-
	9/24/1997	-	-	3.8	-	-	-	41	-	-	-	-
	11/6/1997	-	-	2.77	-	-	-	-	-	-	-	-
	12/17/1997	-	-	2.42	-	-	-	-	-	-	-	-
	3/31/1998	-	-	3.4	-	-	-	12	-	-	-	-
6/23/1998	-	-	3.6	-	-	-	-	-	-	-	-	
9/24/1998	-	-	3.8	-	-	-	42	-	-	-	-	
12/21/1998	-	-	3.7	-	-	-	-	-	-	-	-	
3/22/1999	-	-	3.4	-	-	-	62	-	-	-	-	
6/28/1999	-	-	4.3	-	-	-	5.7	-	-	-	-	
9/20/1999	-	-	3.5	-	-	-	110	-	-	-	-	
12/15/1999	-	-	3.7	-	-	-	19	-	-	-	-	
3/15/2000	-	-	3.2	-	-	-	-	-	-	-	-	
6/29/2000	-	-	3.8	-	-	-	-	-	-	-	-	
9/28/2000	-	-	2.8	-	-	-	-	-	-	-	-	
12/29/2000	-	-	3.2	-	-	-	-	-	-	-	-	
3/23/2001	-	-	-	-	-	-	15	-	-	-	-	
6/29/2001	-	-	-	-	-	-	-	-	-	-	-	
10/1/2001	-	-	-	-	-	-	-	-	-	-	-	
12/18/2001	-	-	-	-	-	-	12.4	-	-	-	-	
3/21/2002	-	-	-	-	-	-	121	-	-	-	-	
7/1/2002	-	-	2.2	-	-	-	113	-	-	-	-	
10/2/2002	-	-	-	-	-	-	169	-	-	-	-	

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		Chloride	Cyanide	Fluoride	Nitrate		Phenols	Sulfate	Gross Alpha	Gross Beta	Radium
MW-3 (cont.)	1/8/2003	-	-	-	-	27.2	-	-	-	-	-
	3/31/2003	-	-	-	-	73.9	-	-	-	-	-
	6/11/2003	-	-	-	-	144	-	-	-	-	-
	10/2/2003	-	-	-	-	15.6	-	-	-	-	-
	1/2/2004	-	-	-	-	11.1	-	-	-	-	-
	4/13/2004	-	-	-	-	28.3	-	-	-	-	-
	9/22/2004	-	-	-	-	69.9	-	-	-	-	-
	12/15/2004	-	-	-	-	163	-	-	-	-	-
	3/29/2005	-	-	-	-	-	-	-	-	-	-
	6/30/2005	-	-	-	-	135	-	-	-	-	-
	9/26/2005	-	-	3.9	-	54.6	-	-	-	-	-
	12/5/2005	-	-	-	-	15	-	-	-	-	-
	3/29/2006	-	-	-	-	35.9	-	-	-	-	-
	6/21/2006	NA	-	NA	-	28.4	-	-	-	-	-
	9/19/2006	-	-	-	-	5.66	-	-	-	-	-
12/14/2006	-	-	-	-	18.8	-	-	-	-	-	
3/27/2007	-	-	-	-	23.5	-	-	-	-	-	
6/28/2007	-	-	-	-	61.2	-	-	-	-	-	
8/30/2007	-	-	-	-	59.7	-	-	-	-	-	
12/11/2007	-	-	-	-	39	-	-	-	-	-	
MW-4	9/11/1985	-	-	3.06	-	0.058	-	-	209(+112)	-	6(+1)
	9/10/1986	-	-	-	-	0.046	-	-	12(+5)	-	369(+12)
	12/22/1986	465	-	-	-	-	-	-	14(+6)	-	-
	4/2/1987	-	-	-	-	-	-	-	47	-	-
	6/30/1987	-	-	-	-	-	-	-	NA	-	-
	10/13/1987	-	-	2.6	-	-	-	-	75	-	-
	1/7/1988	-	-	-	-	-	-	-	62	-	-
	4/29/1988	-	-	-	-	0.05	-	-	67	-	-
	7/20/1988	-	-	-	-	-	-	-	64	-	-
	2/2/1989	-	1.3	-	-	-	-	-	1,120	-	-
	5/3/1989	-	0.85	-	-	-	-	-	175	-	-
	8/30/1989	-	-	-	-	0.022	-	-	1,860	-	5.8(+3.7)
	2/4/1989	-	-	-	-	-	-	-	1,700	NA	NA
	2/27/1990	-	-	-	-	-	-	-	340	-	-
	12/27/1990	-	-	-	-	-	-	-	278	-	-
3/28/1991	-	0.22	6	-	-	-	-	148	-	-	
6/18/1991	-	0.279	-	-	-	-	-	150	-	-	
9/11/1991	-	0.292	-	-	-	-	-	3.2	51(+4)	-	

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		Chloride	Cyanide	Fluoride	Nitrate	Phenols	Sulfate	Gross Alpha		Gross Beta	Radium	
MW-4 (cont.)	12/26/1991	-	-	-	-	-	-	-	179	-	-	-
	3/5/1992	-	-	-	-	-	-	-	276	22(+10)	-	-
	6/22/1992	-	-	-	-	-	-	-	264	-	-	7.4(+2.1)
	9/28/1992	-	-	-	-	-	-	-	147	-	-	5.2(+1.8)
	12/4/1992	-	-	-	-	-	-	-	158	-	-	-
	3/29/1993	260	-	-	-	-	-	-	125	-	-	8.2(+2.8)
	6/8/1993	-	-	-	-	-	-	-	-	-	-	-
	9/15/1993	-	-	-	-	0.012	-	-	115	-	-	-
	12/16/1993	-	-	-	-	-	-	-	294	-	55.7	-
	3/23/1994	-	-	-	-	-	-	-	42	-	-	-
	6/16/1994	-	-	-	-	-	-	-	71	-	-	-
	9/22/1994	-	-	-	-	-	-	-	150	-	-	-
	12/20/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/24/1995	-	-	-	-	-	-	-	9.3	-	-	-
	6/20/1995	-	-	-	-	-	-	-	103	-	-	-
	9/13/1995	-	-	-	-	0.008	-	-	98	-	-	-
	12/13/1995	-	-	-	-	0.022	-	-	400	-	-	-
	3/20/1996	-	-	-	-	-	-	-	-	-	-	-
	6/13/1996	-	-	-	-	-	-	-	-	-	-	-
	9/18/1996	-	-	-	-	-	-	-	-	-	-	-
12/30/1996	-	-	-	-	-	-	-	6.4	-	-	-	
3/18/1997	-	-	-	-	-	-	-	130	-	-	-	
6/11/1997	-	-	-	-	-	-	-	40	-	-	-	
9/24/1997	-	-	-	-	-	-	-	110	-	-	-	
11/6/1997	-	-	-	-	-	-	-	-	-	-	-	
12/17/1997	-	-	-	-	-	-	-	-	-	-	-	
3/31/1998	-	-	-	-	-	-	-	100	-	-	-	
6/23/1998	-	-	-	-	-	-	-	17	-	-	-	
9/24/1998	-	-	-	-	-	-	-	100	-	-	-	
12/21/1998	-	-	-	-	-	-	-	8.3	-	-	-	
3/22/1999	-	-	-	-	-	-	-	68	-	-	-	
6/28/1999	-	-	-	-	-	-	-	20	-	-	-	
9/20/1999	-	-	-	-	-	-	-	170	-	-	-	
12/15/1999	-	-	-	-	-	-	-	120	-	-	-	
3/15/2000	-	-	-	-	-	-	-	-	-	-	-	
6/29/2000	-	-	-	-	-	-	-	-	-	-	-	
9/28/2000	-	-	-	-	-	-	-	-	-	-	-	
12/29/2000	-	-	-	-	-	-	-	190	-	-	-	

TABLE 1

CITY OF BRIDGEPORT
SEASIDE LANDFILL

Summary of Inorganic Parameters Which Exceeded Water Quality Standards

Well ID	Date of analysis	Concentrations measured in mg/l						Turbidity (NTU)	Concentrations measured in Pci/l		
		Chloride	Cyanide	Fluoride	Nitrate	Phenols	Sulfate		Gross Alpha	Gross Beta	Radium
MW-4 (cont.)	3/23/2001	-	-	-	-	-	-	6.5	-	-	-
	6/29/2001	-	-	-	-	-	-	-	-	-	-
	10/1/2001	-	-	-	-	-	-	-	-	-	-
	12/18/2001	-	-	2.5	-	-	-	178	-	-	-
	3/21/2002	-	-	-	-	-	-	192	-	-	-
	7/1/2002	-	-	-	-	-	-	195	-	-	-
	10/2/2002	-	-	-	-	-	-	193	-	-	-
	1/8/2003	-	-	-	-	-	-	115	-	-	-
	3/31/2003	-	-	-	-	-	-	90.2	-	-	-
	6/11/2003	-	-	-	-	0.017	-	117	-	-	-
	10/2/2003	-	-	-	-	-	-	156	-	-	-
	1/2/2004	-	-	-	-	-	-	17.8	21.69(+2.49)	-	-
	4/13/2004	-	-	-	-	-	-	-	-	246.4(+18.69)	-
	9/22/2004	-	-	-	-	-	-	122	-	-	-
	12/15/2004	-	-	-	-	-	-	114	-	-	-
	3/29/2005	-	-	-	-	0.078	-	102	-	-	4.49(+1.13)
	6/30/2005	-	-	-	-	-	-	133	-	-	-
	9/26/2005	-	-	5.3	-	-	-	130	-	-	-
	12/5/2005	-	-	-	-	-	-	109	-	-	-
	3/29/2006	-	-	-	-	0.023	-	119	-	-	-
6/21/2006	NA	-	NA	-	-	-	146	-	-	-	
9/19/2006	-	-	-	-	-	-	118	-	-	-	
12/14/2006	-	-	-	-	-	-	98.3	-	-	-	
3/27/2007	-	-	-	-	-	-	125	-	-	-	
6/28/2007	-	-	-	-	-	-	129	-	-	-	
8/30/2007	-	-	-	-	-	-	111	-	-	-	
12/11/2007	-	-	-	-	-	-	174	-	-	-	
MW-5	11/6/1997	-	-	2.5	-	-	-	-	-	47.86(+7.32)	-
	12/18/1997	-	-	-	-	-	-	-	-	23.33(+5.5)	-
	12/18/2001	-	-	2.5	-	-	-	-	-	-	-
	3/21/2002	-	-	-	-	-	-	197	-	-	-
	7/1/2002	-	-	-	-	-	-	205	-	-	-
	10/2/2002	-	-	-	-	-	-	24.3	-	-	-
	1/8/2003	-	-	-	-	-	-	1	-	-	-
	3/31/2003	-	-	-	-	-	-	106	-	-	-
	6/11/2003	-	-	-	-	-	280	150	-	-	-
	10/2/2003	-	-	-	-	-	-	134	-	-	-
1/2/2004	-	-	-	-	-	-	2.63	-	-	-	

TABLE I

CITY OF BRIDGEPORT
SEASIDE LANDFILL

Summary of Inorganic Parameters Which Exceeded Water Quality Standards

Well ID	Date of analysis	Concentrations measured in mg/l						Turbidity (NTU)	Concentrations measured in Pci/l		
		Chloride	Cyanide	Fluoride	Nitrate	Phenols	Sulfate		Gross Alpha	Gross Beta	Radium
MW-5 (cont.)	4/13/2004	-	-	-	-	-	-	112	-	-	-
	9/22/2004	-	-	-	-	-	-	139	-	-	-
	12/15/2004	-	-	-	-	-	-	107	-	-	-
	3/29/2005	-	-	-	-	-	-	43.8	-	52.4(+2.0)	-
	6/30/2005	-	-	-	-	-	-	889.3	-	56.9(+4.1)	-
	9/26/2005	-	-	3	-	-	-	122	-	55.7(+2.2)	-
	12/5/2005	-	-	-	-	-	-	46.3	-	-	-
	3/29/2006	-	-	-	-	-	-	76.8	-	65.7(+2.2)	-
	6/21/2006	NA	-	NA	-	0.026	-	12.7	-	55.1(+2.1)	-
	9/19/2006	-	-	-	-	0.018	-	39.4	-	56.0(+3.0)	-
	12/14/2006	-	-	-	-	-	-	56.1	-	53.3(+2.2)	-
	3/27/2007	-	-	-	-	-	-	5.16	-	-	-
	6/28/2007	-	-	-	-	-	-	62.6	-	56.7(+3.2)	-
8/30/2007	-	-	-	-	-	-	123	-	-	-	
12/11/2007	-	-	-	-	-	-	248	-	-	-	
USEPA Primary Drinking	-	0.2	4	10	-	-	-	-	15	50	5
USEPA Secondary	250	-	2	-	-	-	-	-	-	-	-
CT DOH Standard	250	0.2	4	10	0.005	-	5	-	15	50	5
SWPC	-	0.52	-	-	9,200	-	-	-	-	-	-

- Below laboratory detection limit or standard

NA Not analyzed

mg/l milligrams per liter

Pci/l pico curie per liter

NTU nephelometric turbidity unit

US EPA United States Environmental Protection Agency

CT DOH Connecticut Department of Health

SWPC Surface Water Protection Criteria

TABLE 2

CITY OF BRIDGEPORT
SEASIDE LANDFILL

Summary of Metals Which Exceeded Water Quality Standards

Well ID	Date of analysis	Concentrations in mg/L									
		Barium	Cadmium	Chromium	Iron	Lead	Manganese	Nickel	Silver	Sodium	
MW-2	9/11/1985	-	-	-	13	0.44	0.4	-	-	-	1810
	9/10/1986	-	-	-	-	0.07	-	-	-	-	2610
	12/22/1986	-	-	-	0.58	-	0.052	-	-	-	2170
	4/2/1987	-	-	-	-	-	0.086	-	-	-	1860
	6/30/1987	-	-	-	0.38	-	0.18	-	-	-	1670
	10/13/1987	-	-	-	0.75	-	0.13	-	-	-	3200
	1/7/1988	-	-	-	-	-	-	-	-	-	1700
	4/29/1988	-	-	-	-	-	0.09	-	-	-	9000
	7/20/1988	-	-	-	0.35	-	0.1	-	-	-	1000
	2/2/1989	-	-	0.89	-	-	0.06	-	-	-	1390
	5/3/1989	-	-	-	-	-	0.08	-	-	-	860
	8/30/1989	-	-	-	-	-	-	-	-	-	132
	12/4/1989	-	-	-	-	-	-	-	-	-	1900
	2/27/1990	-	-	-	-	-	0.07	-	-	-	1230
	12/27/1990	-	-	-	-	-	-	-	-	-	1600
	3/28/1991	-	-	-	-	-	-	-	-	-	2800
	6/18/1991	-	-	-	-	-	-	-	-	-	2420
	9/11/1991	-	-	-	-	-	-	-	-	-	2270
	12/26/1991	-	-	-	-	-	-	-	-	-	2940
	3/5/1992	-	-	-	-	-	-	-	-	-	2350
6/22/1992	-	-	-	-	-	-	-	-	-	2465	
9/28/1992	-	-	-	-	-	-	-	-	-	4400	
12/4/1992	-	-	-	-	-	-	-	-	-	2840	
3/29/1993	-	-	-	-	-	-	-	-	-	1050	
6/8/1993	-	-	-	-	-	-	-	-	-	2040	
9/15/1993	-	-	-	-	-	-	-	-	-	4610	
12/16/1993	-	-	-	-	-	-	-	-	-	328	
3/23/1994	-	-	-	-	-	-	-	-	-	1310	
6/16/1994	-	-	-	-	-	-	-	-	-	1330	
9/22/1994	-	-	-	-	-	-	-	-	-	2840	
12/20/1994	-	-	-	-	-	-	-	-	-	2890	
3/24/1995	-	-	-	-	-	-	-	-	-	2430	

TAB 2

CITY OF BRIDGEPORT
SEASIDE LANDFILL

Summary of Metals Which Exceeded Water Quality Standards

Well ID	Date of analysis	Concentrations in mg/L									
		Barium	Cadmium	Chromium	Iron	Lead	Manganese	Nickel	Silver	Sodium	
MW-2 (cont.)	6/20/1995	-	-	-	0.33	-	0.18	-	-	-	2340
	9/13/1995	-	-	-	-	-	-	-	-	-	3870
	12/13/1995	-	-	-	-	-	-	-	-	-	3500
	3/20/1996	-	-	-	-	-	-	-	-	-	3000
	6/13/1996	-	-	-	-	-	-	-	-	-	1420
	9/18/1996	-	-	-	-	-	-	-	-	-	4490
	12/30/1996	-	-	-	-	-	-	-	-	-	1600
	3/18/1997	-	-	-	-	-	-	-	-	-	952
	6/11/1997	-	-	-	-	-	-	-	-	-	878
	9/24/1997	-	-	-	-	0.02	-	-	-	-	2560
	12/17/1997	-	-	-	-	0.02	0.058	-	-	-	4180
	3/31/1998	-	-	-	-	-	-	-	-	-	2300
	6/23/1998	-	-	-	-	-	-	-	-	-	734
	9/24/1998	-	-	-	-	-	-	-	-	-	1590
	12/21/1998	-	-	-	-	-	0.06	-	-	-	1670
	3/22/1999	-	-	-	-	-	-	-	-	-	872
	6/28/1999	-	-	-	-	-	-	0.12	-	-	824
	9/20/1999	-	-	-	4.3	0.09	0.14	-	-	-	3000
	12/15/1999	-	-	-	-	-	0.14	-	-	-	230
	3/15/2000	-	-	-	-	-	0.08	-	-	-	2040
6/29/2000	-	-	-	-	-	-	-	-	-	784	
9/28/2000	-	-	-	-	-	-	-	-	-	2770	
12/29/2000	-	-	-	-	0.02	0.07	-	-	-	1710	
3/23/2001	-	-	-	-	-	-	-	-	-	900	
6/29/2001	-	-	-	1.03	0.08	-	-	-	-	640	
10/12/2001	-	0.006	-	-	-	-	-	-	-	2580	
12/18/2001	-	-	-	0.997	0.065	0.199	-	-	-	2420	
3/21/2002	-	-	-	0.313	-	0.219	-	-	-	2050	
7/1/2002	-	-	-	-	-	0.075	-	-	-	4370	
10/2/2002	-	-	-	0.686	-	0.068	-	-	-	3851	
1/8/2003	-	-	-	-	0.03	0.089	-	-	-	3052	
3/31/2003	-	-	-	0.629	0.093	0.107	-	-	-	1130	
6/11/2003	-	-	-	0.398	-	-	-	-	-	1370	

TABLE 2

CITY OF BRIDGEPORT
SEASIDE LANDFILL

Summary of Metals Which Exceeded Water Quality Standards

Well ID	Date of analysis	Concentrations in mg/L													
		Barium	Cadmium	Chromium	Iron	Lead	Manganese	Nickel	Silver	Sodium					
MWR-2 (cont.)	10/2/2003	-	-	-	-	0.03	0.17	-	-	-	-	-	-	-	1470
	1/2/2004	-	-	-	-	0.045	0.067	-	-	-	-	-	-	-	-
	4/13/2004	-	-	-	-	0.041	0.078	-	-	-	-	-	-	-	982
	9/22/2004	-	-	-	-	0.035	0.075	-	-	-	-	-	-	-	1190
	12/15/2004	-	-	-	-	0.031	0.079	-	-	-	-	-	-	-	1850
	3/29/2005	-	-	-	-	-	-	-	-	-	-	-	-	-	652
	6/30/2005	-	-	-	-	0.028	0.085	-	-	-	-	-	-	-	1,130
	9/26/2005	-	-	-	-	0.055	0.085	-	-	-	-	-	-	-	2,330
	12/5/2005	-	-	-	-	0.034	0.076	-	-	-	-	-	-	-	1,380
	3/29/2006	-	-	-	-	0.03	0.092	-	-	-	-	-	-	-	758
	6/21/2006	-	-	-	-	0.497	-	-	-	-	-	-	-	-	798
	9/19/2006	-	-	-	-	0.324	0.021	-	-	-	-	-	-	-	1,080
	12/14/2006	-	-	-	-	0.953	0.036	0.029	-	-	-	-	-	-	765
	3/27/2007	-	-	-	-	0.014	0.065	-	-	-	-	-	-	-	651
	6/28/2007	-	-	-	-	0.016	0.084	-	-	-	-	-	-	-	839
8/30/2007	-	-	-	-	0.023	0.116	-	-	-	-	-	-	-	1,170	
12/11/2007	-	-	-	-	0.826	0.085	0.088	-	-	-	-	-	-	1,440	
MW-3	9/11/1985	-	-	-	-	1.74	-	-	-	-	0.16	NA	-	-	38.8
	9/10/1986	-	-	-	-	33.2	0.06	0.56	-	-	0.56	NA	-	-	43.4
	12/2/1986	-	-	-	-	4.92	-	0.35	-	-	0.35	NA	-	-	49.9
	4/2/1987	-	-	-	-	1.89	-	0.282	-	-	0.282	NA	-	-	39.3
	6/30/1987	-	-	-	-	3.72	-	0.25	-	-	0.25	NA	-	-	36.6
	10/13/1987	-	-	-	-	3.7	-	0.41	-	-	0.41	NA	-	-	25
	1/7/1988	-	-	-	-	1.6	-	0.28	-	-	0.28	NA	-	-	40
	4/29/1988	-	-	-	-	-	-	0.39	-	-	0.39	NA	-	-	80
	7/20/1988	-	-	-	-	2.4	-	0.24	-	-	0.24	NA	-	-	38
	2/2/1989	-	-	-	-	0.26	-	0.29	-	-	0.29	NA	-	-	51
	5/3/1989	-	-	-	-	2.63	-	0.41	-	-	0.41	NA	-	-	151
	8/30/1989	-	-	-	-	8.26	-	0.53	-	-	0.53	NA	-	-	35
	12/4/1989	-	-	-	-	2.07	-	0.26	-	-	0.26	NA	-	-	37
	12/27/1990	-	-	-	-	1.8	-	0.19	-	-	0.19	-	-	-	38
	3/28/1991	-	-	-	-	3.3	-	0.43	-	-	0.43	-	-	-	72
6/18/1991	-	-	-	-	2	-	0.31	-	-	0.31	-	-	-	52	
9/11/1991	-	-	-	-	2.1	-	0.26	-	-	0.26	-	-	-	29	
12/26/1991	-	-	-	-	1.8	-	0.22	-	-	0.22	-	-	-	38	
3/5/1992	-	-	-	-	1.8	-	0.25	-	-	0.25	-	-	-	53	

CITY OF BRIDGEPORT
SEASIDE LANDFILL

Summary of Metals Which Exceeded Water Quality Standards

Well ID	Date of analysis	Concentrations in mg/L									
		Barium	Cadmium	Chromium	Iron	Lead	Manganese	Nickel	Silver	Sodium	
MW-3 (cont.)	6/22/1992	-	0.019	-	2.4	-	0.3	-	-	36	
	9/28/1992	-	-	-	2.4	-	0.26	-	-	88	
	12/4/1992	-	-	-	0.76	-	0.18	-	-	36	
	3/29/1993	-	-	-	2.7	-	0.29	-	-	49	
	6/8/1993	-	-	-	1.9	-	0.26	-	-	46	
	9/15/1993	-	-	-	2.3	-	0.23	-	-	104	
	12/16/1993	-	-	-	1.7	-	0.26	-	-	64	
	3/23/1994	-	-	-	1.7	-	0.25	-	-	54	
	6/16/1994	-	-	-	2.2	-	0.22	-	-	34	
	9/22/1994	-	-	-	1.8	-	0.25	-	-	33	
	12/20/1994	-	-	-	1	-	0.28	-	-	32	
	3/24/1995	-	-	-	1.1	-	0.25	-	-	45	
	6/20/1995	-	-	-	0.62	-	0.22	-	-	36	
	9/13/1995	-	-	-	0.83	-	0.26	-	-	69	
	12/13/1995	-	-	-	0.83	-	0.16	-	-	39	
	3/20/1996	-	-	-	1.1	-	0.21	-	-	160	
	6/13/1996	-	-	-	1.1	-	0.24	-	-	36	
	9/18/1996	-	-	-	1.8	-	0.23	-	-	98	
	12/30/1996	-	-	-	2.3	-	0.33	-	-	33	
	3/18/1997	-	-	-	2.1	-	0.27	-	-	36	
	6/11/1997	-	-	-	0.73	-	0.24	-	-	35	
	9/24/1997	-	-	-	3	-	0.25	-	-	36	
	11/6/1997	-	-	-	2.47	-	0.251	-	-	37.8	
12/17/1997	-	-	-	-	-	0.218	-	-	34.8		
3/31/1998	-	-	-	0.79	-	0.17	-	-	20		
6/23/1998	-	-	-	1.3	-	0.26	-	-	34.7		
9/24/1998	-	-	-	-	-	0.21	-	-	-		
12/21/1998	-	-	-	-	-	0.22	-	-	-		
3/22/1999	-	-	-	0.74	-	0.25	-	-	79.2		
6/28/1999	-	-	-	1.3	-	0.26	-	-	-		
9/20/1999	-	-	-	47.6	0.09	0.72	-	-	29.2		
12/15/1999	-	-	-	1.1	-	0.21	-	-	-		
3/15/2000	-	-	-	0.67	-	0.25	-	-	28.6		
6/29/2000	-	-	-	2.44	-	0.28	-	-	-		
9/28/2000	-	-	-	0.96	-	0.2	-	-	133		
12/29/2000	-	-	-	127	-	1.5	-	0.13	28.4		

TABLE 2

CITY OF BRIDGEPORT
SEASIDE LANDFILL

Summary of Metals Which Exceeded Water Quality Standards

Well ID	Date of analysis	Concentrations in mg/L												
		Barium	Cadmium	Chromium	Iron	Lead	Manganese	Nickel	Silver	Sodium				
MW-3 (cont.)	3/23/2001	-	-	-	2.59	-	0.31	-	-	-	-	-	-	-
	6/29/2001	-	-	-	-	-	-	-	-	-	-	-	-	-
	10/1/2001	-	-	-	-	-	-	-	-	-	-	-	-	-
	12/18/2001	-	-	-	-	-	-	-	-	-	-	-	-	-
	3/21/2002	-	-	-	2.44	-	0.106	-	-	-	-	-	-	-
	7/1/2002	-	-	-	7.82	-	0.396	-	-	-	-	-	-	45.1
	10/2/2002	-	-	-	10.2	-	0.627	-	-	-	-	-	-	107
	1/8/2003	-	-	-	1.94	-	0.828	-	-	-	-	-	-	-
	3/31/2003	-	-	-	13.1	-	0.072	-	-	-	-	-	-	-
	6/11/2003	-	-	-	15.5	-	0.818	-	-	-	-	-	-	-
	10/2/2003	-	-	-	12.2	-	1.12	-	-	-	-	-	-	-
	1/2/2004	-	-	-	7.38	-	0.562	-	-	-	-	-	-	-
	4/13/2004	-	-	-	4.78	-	0.651	-	-	-	-	-	-	-
	9/22/2004	-	-	-	10.2	-	0.816	-	-	-	-	-	-	-
	12/15/2004	-	-	-	14.1	-	0.289	-	-	-	-	-	-	-
	3/29/2005	-	-	-	-	-	0.726	-	-	-	-	-	-	-
	6/30/2005	-	-	-	25.4	-	0.234	-	-	-	-	-	-	-
	9/26/2005	-	-	-	15.9	-	0.857	-	-	-	-	-	-	-
	12/5/2005	-	-	-	1.65	-	0.356	-	-	-	-	-	-	-
	3/29/2006	-	-	-	8.77	-	0.101	-	-	-	-	-	-	-
6/21/2006	-	-	-	11.5	-	0.408	-	-	-	-	-	-	29.3	
9/19/2006	-	-	-	9.87	-	0.543	-	-	-	-	-	-	-	
12/14/2006	-	-	-	3.92	-	0.393	-	-	-	-	-	-	-	
3/27/2007	-	-	-	4.64	-	0.082	-	-	-	-	-	-	-	
6/28/2007	-	-	-	12.6	-	0.205	-	-	-	-	-	-	-	
8/30/2007	-	-	-	11	-	0.753	-	-	-	-	-	-	-	
12/11/2007	-	-	-	5.05	-	0.711	-	-	-	-	-	-	-	
MW-4	9/11/1985	-	-	-	13.3	0.15	0.45	-	-	-	NA	-	-	41.1
	9/10/1986	-	-	-	10.5	-	0.37	-	-	-	NA	-	-	50.2
	12/22/1986	-	-	-	7.66	-	0.51	-	-	-	NA	-	-	47.3
	4/2/1987	-	-	-	7.5	-	0.476	-	-	-	NA	-	-	47.6
	6/30/1987	-	-	-	10.5	-	0.308	-	-	-	NA	-	-	53.8
	10/13/1987	-	-	-	10	-	0.46	-	-	-	NA	-	-	100
	1/7/1988	-	-	-	0.8	-	0.51	-	-	-	NA	-	-	67
	4/29/1988	-	-	-	0.6	-	0.40	-	-	-	NA	-	-	130
	7/20/1988	-	-	-	10	-	0.39	-	-	-	NA	-	-	50
	2/2/1989	-	-	0.24	4.5	-	0.52	-	-	-	NA	-	-	77
	5/3/1989	-	-	-	6.14	-	0.5	-	-	-	NA	-	-	283
	8/30/1989	-	-	-	2.49	-	0.34	-	-	-	NA	-	-	40
	12/4/1989	-	-	-	7.4	-	0.37	-	-	-	NA	-	-	39
2/27/1990	-	-	-	6.12	-	0.36	-	-	-	NA	-	-	36	

TABLE 2

CITY OF BRIDGEPORT
SEASIDE LANDFILL

Summary of Metals Which Exceeded Water Quality Standards

Well ID	Date of analysis	Concentrations in mg/L									
		Barium	Cadmium	Chromium	Iron	Lead	Manganese	Nickel	Silver	Sodium	
MW-4 (cont.)	12/29/2000	-	-	-	10.8	-	0.53	-	-	-	41.7
	3/23/2001	-	-	-	9.86	-	0.5	-	-	-	48
	6/29/2001	-	-	-	-	-	-	-	-	-	-
	10/1/2001	-	-	-	-	-	-	-	-	-	-
	12/18/2001	-	-	-	14.1	-	0.389	-	-	-	87.9
	3/21/2002	-	-	-	7.73	-	0.557	-	-	-	71
	7/1/2002	-	-	-	13.2	-	0.47	-	-	-	53.7
	10/2/2002	-	-	-	15.9	-	0.532	-	-	-	96.8
	1/8/2003	-	-	-	12.9	-	0.574	-	-	-	81.6
	3/31/2003	-	-	-	18.9	0.44	0.495	-	-	-	72.9
	6/11/2003	-	-	-	8.23	-	0.415	-	-	-	63.9
	10/2/2003	-	-	-	12.5	-	0.331	-	-	-	90.7
	1/2/2004	-	-	-	15.2	-	0.359	-	-	-	88.8
	4/13/2004	-	-	-	-	-	0.059	-	-	-	47.9
	9/22/2004	-	-	-	10	-	0.727	-	-	-	69.7
	12/15/2004	-	-	-	9.63	-	0.528	-	-	-	64.2
	3/29/2005	-	-	-	8.17	-	1.15	-	-	-	66.6
	6/30/2005	-	-	-	11.9	-	0.545	-	-	-	61.5
	9/26/2005	-	-	-	10.7	-	0.629	-	-	-	65.2
	12/5/2005	-	-	-	10.4	-	0.586	-	-	-	68.1
3/29/2006	-	-	-	10.8	-	0.484	-	-	-	65.1	
6/21/2006	-	-	-	12.5	-	0.565	-	-	-	57.2	
9/19/2006	-	-	-	10.5	-	0.683	-	-	-	64.5	
12/14/2006	-	-	-	9.74	-	0.59	-	-	-	55.4	
3/27/2007	-	-	-	12.1	-	0.418	-	-	-	53.9	
6/28/2007	-	-	-	10.1	-	0.576	-	-	-	54.6	
8/30/2007	-	-	-	8.87	-	0.573	-	-	-	50.3	
12/13/2007	-	-	-	11.1	-	0.509	-	-	-	50.1	

CITY OF BRIDGEPORT
SEASIDE LANDFILL

Summary of Metals Which Exceeded Water Quality Standards

Well ID	Date of analysis	Concentrations in mg/L									
		Barium	Cadmium	Chromium	Iron	Lead	Manganese	Nickel	Silver	Sodium	
MW-5	11/6/1997	-	-	-	6.94	-	0.898	-	-	-	115
	12/18/1997	-	-	-	2.93	-	0.528	-	-	-	129
	12/18/2001	-	-	-	5.26	-	0.191	-	-	-	49
	3/21/2002	-	-	-	4.34	-	0.168	-	-	-	47.3
	7/1/2002	-	-	-	-	-	0.171	-	-	-	-
	10/2/2002	-	-	-	4.77	0.021	0.201	-	-	-	51.2
	1/8/2003	-	-	-	0.314	-	0.049	-	-	-	73
	3/31/2003	-	-	-	-	-	0.149	-	-	-	64.2
	6/11/2003	-	-	-	0.642	-	0.111	-	-	-	52.5
	10/2/2003	-	-	-	7.84	-	0.424	-	-	-	69.5
	1/2/2004	-	-	-	0.473	-	0.101	-	-	-	45.8
	4/13/2004	-	-	-	10.3	-	0.391	-	-	-	80.2
	9/22/2004	-	-	-	8.56	-	0.89	-	-	-	41.4
	12/15/2004	-	-	-	8.45	-	0.258	-	-	-	38.8
	3/29/2005	-	-	-	4.98	-	0.171	-	-	-	47.3
	6/30/2005	-	-	-	8.89	-	0.302	-	-	-	52.9
	9/26/2005	-	-	-	15.7	-	0.246	-	-	-	61.7
	12/5/2005	-	-	-	3.43	-	0.193	-	-	-	44.2
	3/29/2006	-	-	-	7.13	-	0.235	-	-	-	53.3
	6/21/2006	-	-	-	1.41	-	0.207	-	-	-	51.3
9/19/2006	-	-	-	3.36	-	0.739	-	-	-	34.5	
12/14/2006	-	-	-	5.17	-	0.23	-	-	-	35.4	
3/27/2007	-	-	-	0.543	-	0.025	-	-	-	21.8	
6/28/2007	-	-	-	3.06	-	0.287	-	-	-	53.9	
8/30/2007	-	-	-	7.71	-	0.271	-	-	-	52.3	
12/11/2007	-	-	-	21.8	-	0.325	-	-	-	34.9	
USEPA Primary Drinking Water	2	0.005	0.1	-	0.015	-	-	-	-	-	
USEPA Secondary Drinking Water	-	-	-	0.3	-	0.05	-	-	-	-	
CT DOH Standard	2	0.005	0.1	-	0.015	-	-	-	-	-	
SWPC	-	0.006	-	-	0.013	-	-	-	-	-	

Below laboratory detection limit or standard

Not analyzed

milligrams per liter

United States Environmental Protection Agency

Connecticut Department of Health

Surface Water Protection Criteria

NA

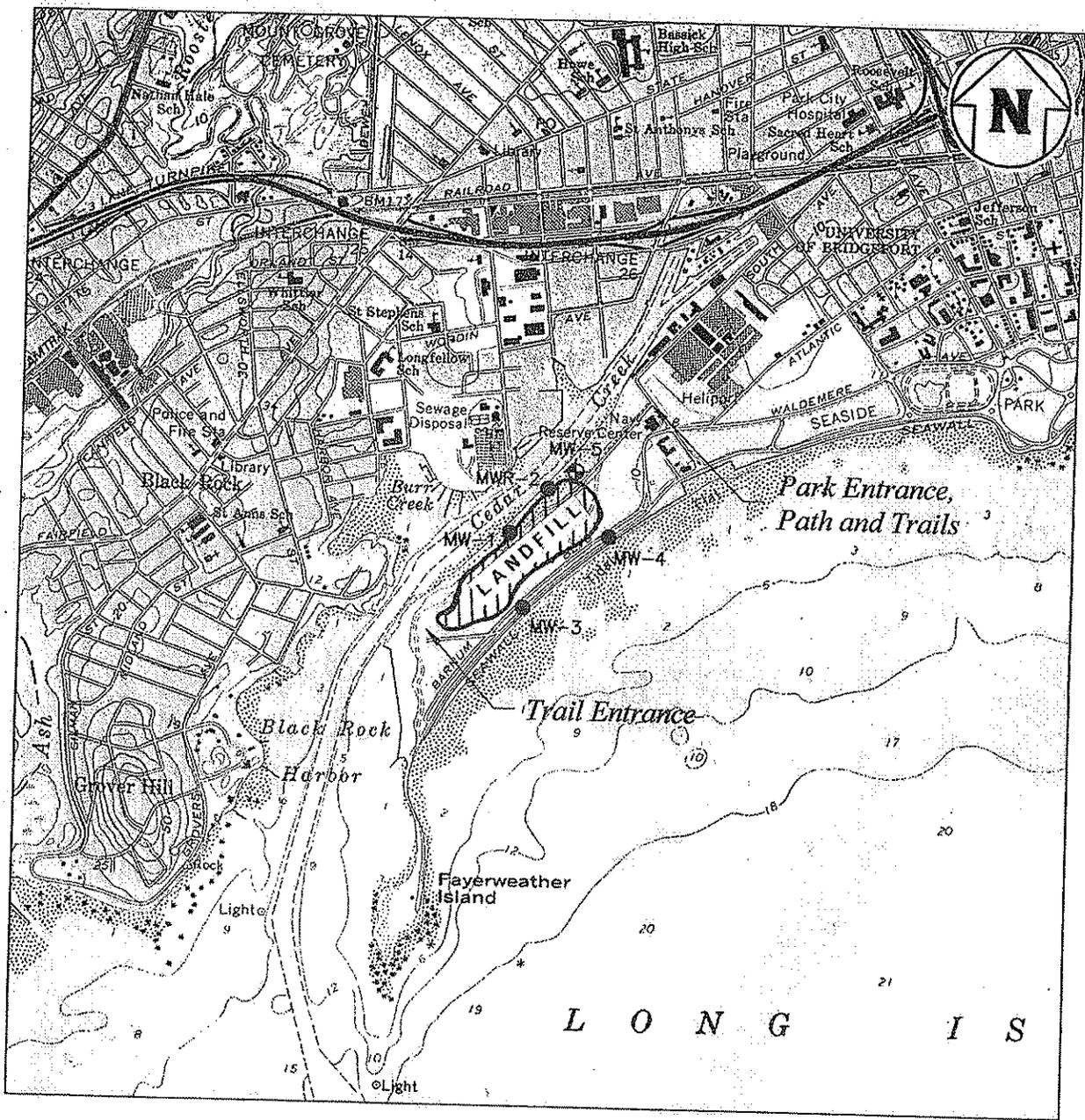
mg/l

USEPA

CT DOH

SWPC

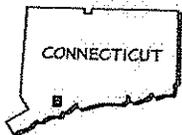
FIGURE



SOURCE: USGS TOPOGRAPHIC QUADRANGLE BRIDGEPORT, CONNECTICUT (PHOTOREVISED 1984).

LEGEND

-  EXISTING RCRA MONITOR WELL
-  ZONE OF INFLUENCE MONITOR WELL



QUADRANGLE LOCATION



**CITY OF BRIDGEPORT
SEASIDE LANDFILL
BRIDGEPORT, CONNECTICUT**

MONITOR WELL LOCATIONS

DATE	REVISED	PREPARED BY:
		LEGGETTE, BRASHEARS & GRAHAM, INC.
		Professional Ground-Water and Environmental Engineering Services
		126 Monroe Turnpike
		Trumbull, CT 06611
		(203) 452-3100
DRAWN:	MRV	CHECKED: KD
		DATE: 12/17/01
		FIGURE: 1

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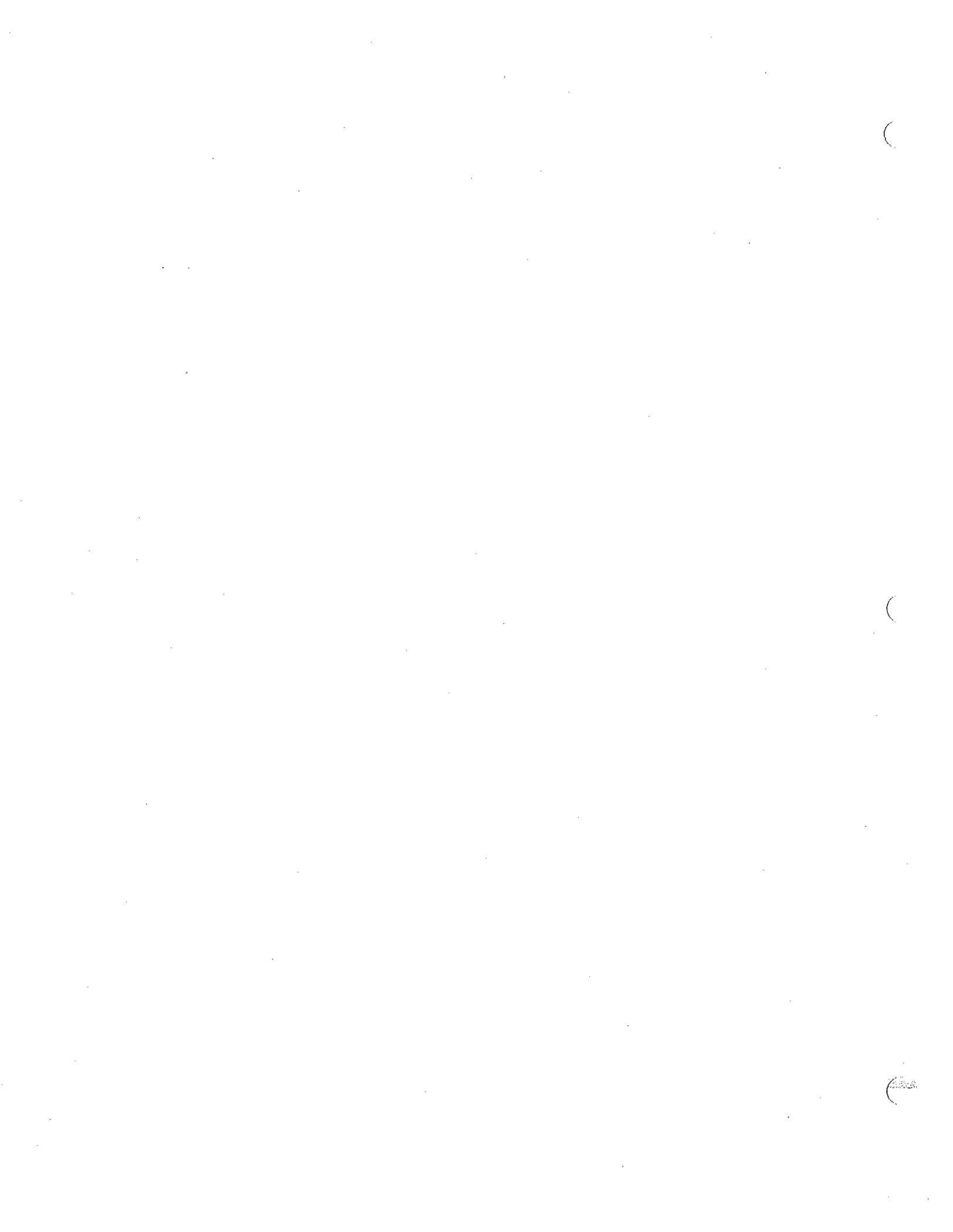


SECTION III

Stewardship Permit
Compliance Schedule

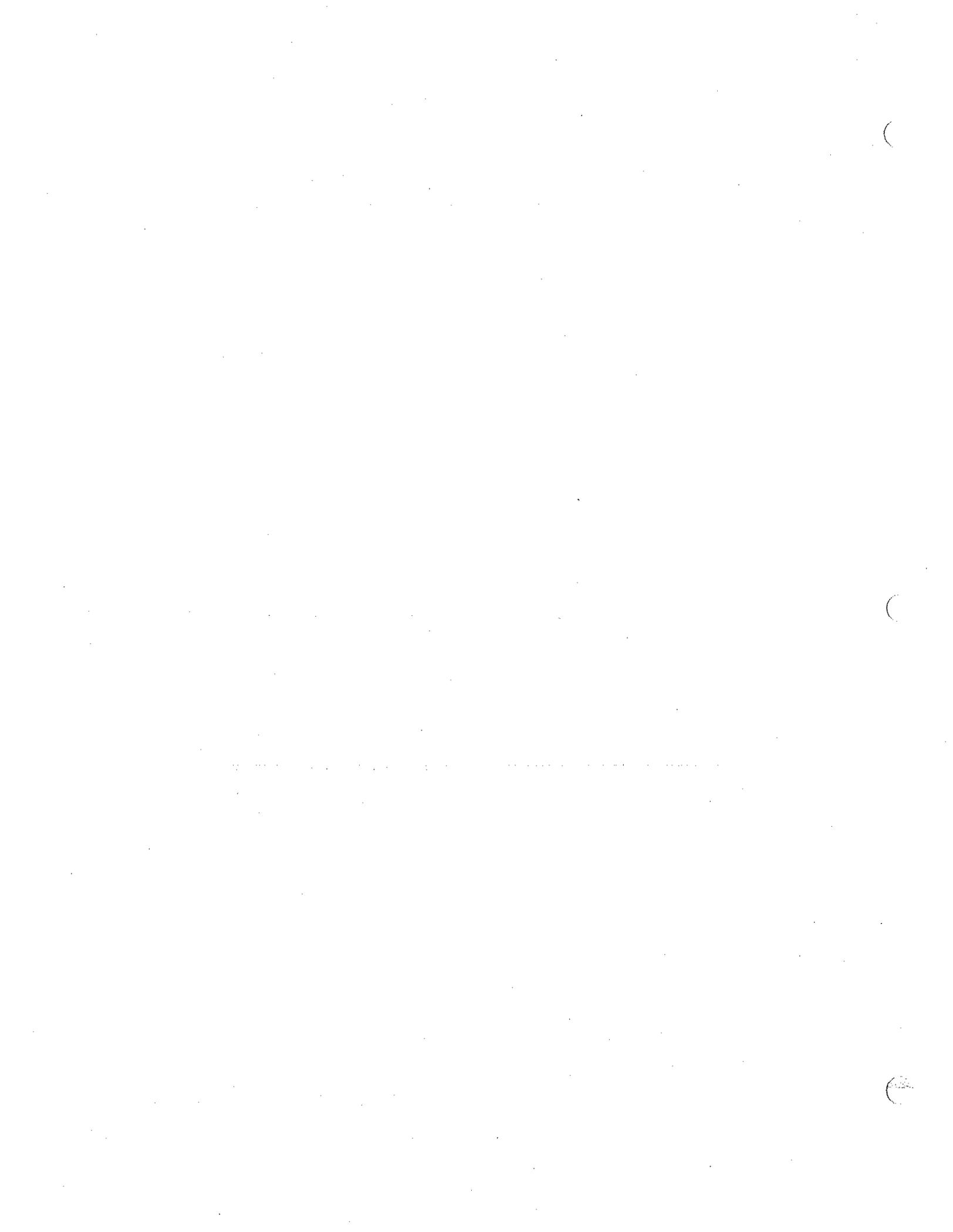
CITY OF BRIDGEPORT
SEASIDE PARK LANDFILL

EPA ID No. CTD000651927
Permit No. DEP/HWM/CS-015- 012



SECTION III COMPLIANCE SCHEDULE

- A. All conditions set forth in Section III.A. of this Permit shall be conducted within ninety (90) calendar days of the effective date of this Permit. Otherwise, the Permittee may be subject to formal enforcement actions.
1. Retention of Consultant(s) or LEP(s). The Permittee shall designate and assign an environmental compliance expert who may be a full-time employee of the Permittee, and/or retain one or more qualified consultant(s) or LEP(s), acceptable to the Commissioner to prepare the documents required by Condition Nos. II.A.1., II.B.1., II.B.5., II.B.10., II.C.1., and II.C.5. and shall, by that date, notify the Commissioner in writing of the identity of such environmental compliance expert, LEP(s) and/or consultant(s). The Permittee shall assign such environmental compliance expert and/or retain such qualified consultant(s) or LEP(s), acceptable to the Commissioner, until Condition Nos. II.A.1., II.B.1., II.B.5., II.B.10., II.C.1., and II.C.5. of this Permit is fully complied with. The Permittee shall notify the Commissioner in writing of the identity of any environmental compliance expert(s) or consultant(s) or LEP(s) other than the one approved by the Commissioner, within thirty (30) days after assigning or retaining any environmental compliance expert(s) or consultant(s) or LEP(s) for the purpose of addressing the actions required by this Permit. The Permittee shall submit to the Commissioner a description of the assigned environmental compliance expert's and/or consultant's education, experience and training which is relevant to the work required by this Permit within thirty (30) days after a request for such a description has been made. Nothing in this paragraph shall preclude the Commissioner from finding a previously acceptable environmental compliance expert(s) or consultant(s) or LEP(s) unacceptable.
 2. Liability Coverage. The Permittee shall establish and maintain liability coverage in accordance with the requirements of Condition No. II.A.7. of this Permit.
- B. All conditions set forth in Section III.B. of this Permit shall be conducted within one hundred twenty (120) calendar days of the effective date of this Permit. Otherwise, the Permittee may be subject to formal enforcement actions.
1. Submittal of Schedule. The Permittee shall submit for the Commissioner's review and written approval a schedule for the submission of:
 - (a) Closure Plan. A Closure Plan and associated cost estimate prepared in accordance with the requirements of Condition Nos. II.A.1 and II.D.1. of this Permit.
 - (b) Post-Closure Care Plan. A Post-Closure Care Plan and associated cost estimate prepared in accordance with the requirements of Condition Nos. II.A.2. and II.D.1. of this Permit.



- (c) Revised Water Quality Monitoring Plan. A revised Water Quality Monitoring Plan and associated cost estimate prepared in accordance with the requirements of Condition Nos. II.B.1 and II.C.1. of this Permit.
 - (d) Future Public Use. A future public use and recreation plan in accordance with the requirements of Condition No. II.B.9. of this Permit.
 - (e) Public Participation Plan. A public participation plan prepared in accordance with the requirements of Condition No. II.B.10. of this Permit.
 - (f) Quality Assurance Project Plan. A Quality Assurance Project Plan prepared in accordance with the requirements of Condition No. II.C.5. of this Permit.
 - (g) Ecological Risk Assessment. A Screening Level Ecological Risk Assessment prepared in accordance with the requirements of Condition No. II.B.5. of this Permit.
- C. All conditions set forth in Section III.C. of this Permit, shall be conducted within three hundred sixty five (365) calendar days of the effective date of this Permit. Otherwise, the Permittee may be subject to formal enforcement actions.
- 1. Progress Reports. The Permittee shall submit a progress report for the Commissioner's review describing the actions which the Permittee has taken to date to comply with the terms and conditions of this Permit and Annually thereafter until all actions required by this Permit have been completed to the Commissioner's satisfaction.
- D. All conditions set forth in Section III.D. of this Permit, shall be conducted within the timeframe specified. Otherwise, the Permittee may be subject to formal enforcement actions.
- 1. Financial Assurance. Within one hundred fifty (150) calendar days of the Commissioner's written approval of the cost estimate submitted in accordance with Condition No. II.D.2. of this Permit, the Permittee shall establish and continually maintain financial assurance using one or more financial assurance mechanisms prescribed by the Commissioner for post-closure care inclusive of surface and groundwater monitoring of the Site or areas affected by the Site.
 - 2. Retention of Additional or Replacement Consultant(s) or LEP(s). The Permittee shall notify the Commissioner in writing within ten (10) calendar days of retaining any additional or replacement consultant(s) or LEP(s) other than those approved in writing by the Commissioner pursuant to Condition No. III.A.1. of this Permit. Such notification shall include a description of the consultant's or LEP's education, experience and training which is relevant to the work required by thus Permit.
- Any consultant(s) or LEP(s) retained to perform all investigation and remediation activities in response to this Permit, must be an independent, licensed environmental professional, and must provide professional services in accordance with RCSA Section 22a-133v-1 through 8 (the Licensed Environmental Professional Regulations). Nothing in this paragraph shall preclude the Commissioner from finding a previously consultant(s) or LEP(s) unacceptable.

