

REQUEST FOR PROPOSALS

NJSEA 1-E LANDFILL WELLFIELD AND FLARE OPERATIONS
GREENHOUSE GAS REPORTING SERVICES
NJSEA CONTRACT # SW 24-01



NEW JERSEY SPORTS AND EXPOSITION AUTHORITY

DIVISION OF SOLID WASTE

JANUARY 2024

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- Ownership Disclosure Form
- Chapter 51 Form, Executive Order 117
- MacBride Principles Form
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- Title V Permit
- Sample Monthly Wellfield Data Report
- Site Plan showing wellfields

PUBLIC NOTICE

The New Jersey Sports and Exhibition Authority (NJSEA) is seeking a firm to manage, operate, and service the landfill gas wellfields and flare systems at the NJSEA 1-E Landfill located in North Arlington and Kearny, New Jersey. The firm shall also perform Title V compliance and Greenhouse Gas Reporting Services. The Contract for these services will be effective May 1, 2024. The contract period is for three (3) years ending April 30, 2027. There are two one (1) year options to be exercised at the sole discretion of the NJSEA.

RFP documents for this Contract will be available for download from the public notice section of the NJSEA website at www.njsea.com beginning Thursday January 11, 2024 after 10:00 AM.

The following includes a preliminary timeline for this procurement. Interested parties must check the public notice section of the NJSEA website for updates and modifications to any dates or times listed herein:

- A mandatory pre-proposal site visit at the 1E landfill is scheduled for January 25, 2024 at 11:00 AM. Proposals will not be accepted from bidders who fail to attend this mandatory pre-proposal meeting.
- The NJSEA will take questions regarding the Solicitation until 3:00 PM on February 1, 2024. All questions shall be e-mailed to mmianeck@njsea.com.
- Written proposals (no e-mailed proposals) are due in the NJSEA offices no later than 11:00 AM on Tuesday February 20, 2024. Proposals shall be clearly marked "Bid Documents, NJSEA 1-E Wellfield and Flare Operations, Do Not Open: Attention: Monica R. Mianeki", and shall state the name, address, and contact on the outside of the envelope. The envelope shall include the Bid Sheet and a maximum two-page Qualifications and Experience in landfill gas management.

The NJSEA will award the project to the most qualified, responsible Proposer whose Proposal conforms in all respects to the requirements set forth in the RFP and is deemed to be most advantageous to the NJSEA, price and other factors considered.

The successful bidder shall demonstrate a minimum of five-years of experience in the management, operation, and maintenance of landfill gas recovery and flare systems and shall also have a thorough knowledge of the State of New Jersey and Federal permitting requirements. Permit requirements are an integral part of the Scope of Services.

The Contract Documents contain specific requirements for submission of a bid. In conformance with Public Law 1977, Chapter 33, if the bidder is a corporation or partnership, it shall submit with the bid a statement setting forth the names and addresses of all stockholders/partners who have a ten percent or greater interest in the firm.

The attention of all bidders is particularly called to the New Jersey State requirements regarding the conditions of employment to be observed, and the requirements of Public Law 1977, Chapter 127, regarding Affirmative Action. Equal Employment Opportunities Requirement - Bidders are required to comply with the requirements of N.J.S.A. 10:5-31 et seq. and N.J.A.C. 17:27.

In accordance with public law 2001, Chapter 134, the NJSEA may only enter into contracts with Bidders who provide proof of valid business registration with the Division of Revenue, in the Department of Treasury of the State of New Jersey. Registration information can be obtained at www.state.nj.us/treasury/revenue. Online registration is available.

In order to insulate the award of state contracts from the risk of improper influence, the NJSEA shall only enter into a Contract with a Bidder who complies with Public Law 2005, C. 51 and Executive Order 117. The required forms and instructions are available at the Purchase Bureau website at <https://www.state.nj.us/treasury/purchase/forms.htm>. These forms are also included in the bid forms.

NJSEA reserves the right to reject any and all bids and, so far as permitted by law, to waive any irregularity or informality with respect to any bid. The NJSEA further reserves the right to make such investigations as it deems necessary as to the qualifications of any and all firms submitting bids. In the event that all bids are rejected, the NJSEA reserves the right to re-solicit bids.

01/09/2024

Date

Monica R. Mianeki

New Jersey Sports and Exposition Authority

Monica R. Mianeki, P.E., P.P., CFM, CME

Director of Solid Waste, Parks and Stormwater Management

1.0 GENERAL INSTRUCTIONS

1.1 Invitation to Submit Qualifications

1.1.1 BACKGROUND

The NJSEA 1-E Landfill is comprised of the former NJMC 1-C landfill in the Town of Kearny and the former NJMC Balefill in the Borough of North Arlington. There are 107 wells currently operational. The landfill is flared using LFG Specialties Model CF 40I12 open flare. The NJSEA currently holds the Title V permits for the NJSEA 1-E Landfill. The Title V permit is valid through November 8, 2025.

Attached to this RFP is a copy of the Title V permit and a sample monthly report for the wellfield data and blower/flare station data as prepared by SCS Field Services.

Specific tasks include but are not limited to the following:

1. Routine operation, monitoring and maintenance of the blower/flare system and LFG wellfield, including, but not limited to:
 - Maintain the flare in working order pursuant to the regulatory requirements;
 - Maintain the wellfield and header system in working order pursuant to the regulatory requirements, including monthly readings on all wells;
 - Maintain all condensate pumps and headers and well condensate drips where installed for effective operations; and
 - Tune the wells for optimum flare operation and gas extraction
2. Quarterly opacity monitoring using EPA method 22 and performed at the utility flare;
3. Annual Hydrogen Sulfide (H₂S) gas sampling;
4. Annual Hydrogen Sulfide (H₂S) emissions monitoring;
5. Regulatory compliance as required by the Title V permit. Components of this compliance include monthly rolling heat input calculations, the 6-month deviation report, annual emission statement, annual compliance statement and greenhouse gas reporting (Federal Part 98 GHG report);
6. Title V permit application (current permit is valid through November 8, 2025);
7. Non-routine maintenance when needed; and
8. Non-routine regulatory support services, when needed.

Monthly reports detailing the weekly blower/flare operations and monthly LFG inspections are a required component of this Contract. Quarterly opacity monitoring and annual H₂S emissions monitoring are also reflected in the monthly reports.

It shall be noted that the current Title V permit expires November 8, 2025 and will require renewal within the time frame of this Contract. Title V permit application/renewal shall be included as part of this Contract.

1.1.2 LOCATION

The project areas as shown on Figure 1 is approximately 440 acres. The 1E landfill is located in the Town of Kearny and in the Borough of North Arlington. Access to the site is via an entrance driveway on Belleville Turnpike (Route 7).

1.1.3 DELIVERABLES

The following are the tasks which must be completed as part of this proposal:

- Task 1 – Routine operation, monitoring and servicing of the wellfield and blower/flare utilities.
- Task 2 – Quarterly opacity monitoring
- Task 3 - Annual H₂S gas sampling
- Task 4 – Annual H₂S emissions monitoring
- Task 5 - Non-routine operations & maintenance services
- Task 6 – Regulatory Reporting
- Task 7 – Title V permit application
- Task 8 – Non-routine/other regulatory support services

1.1.4 SCHEDULE

MILESTONE	DATE
Publish RFP	January 11, 2024
Required site visit	January 25, 2024
Questions/request for clarifications due	February 1, 2024
Final Addendum Distributed	February 8, 2024
Proposal Due to NJSEA	February 20, 2024

1.2 Qualifications

1.2.1 The work of this Contract shall be performed by a company with a minimum five (5) years' experience in operating, maintaining, monitoring and achieving regulatory compliance, including Title V permit compliance, with respect to a landfill gas collection system as more fully set forth in this RFP. Background and information of why proposer is suited to perform the requirements of this RFP including relevant projects, experience and relevant regulatory reporting is required.

1.3 Preparation of Submittal

1.3.1 The proposal must be received by the NJSEA no later than 11:00 AM on February 20, 2024. Submittals will NOT be accepted after the aforementioned date and time. Proposals submitted electronically will NOT be accepted.

1.3.2 Three (3) copies of the proposal shall be submitted. If the proposal is made by a corporation, it shall be signed by a corporate officer authorized to do so. If made by an individual, that individual shall sign it. If it is a company or partnership, one or more of the partners shall sign it.

1.3.3 The proposal shall be submitted in a sealed envelope with the following information clearly indicated on the outside of the envelope: name, address, and telephone number of the Respondent and name of this project: **NJSEA 1-E Landfill Gas Services – 2024.**

1.3.4 Along with the Submittal, the following documents, some detailed in Section 4.0 of this document and some included as attachments, shall be completed and enclosed:

- Bid Form and Schedule of Prices
- Ownership Disclosure Form

- Moral Integrity Affidavit Form
- Chapter 51, Executive Order 117
- McBride Principles Form
- Disclosure of Investment Activities in Iran
- Disclosure of Investment Activities in Russia and Belarus
- Set-off for State Tax for Contract
- Proof of Valid Business Registration
- Experience Affidavit
- Corporate Resolution
- Non-Collusion Affidavit
- Affidavit of Authorization
- Source Disclosure Certificate

1.3.5 Any Submittal may be withdrawn prior to the date and time noted in Section 1.3.1 above.

1.3.6 All questions concerning this RFP must be submitted in writing and shall be directed to Monica R. Miannecki, Director of Solid Waste, Parks & Stormwater Management (mmiannecki@njsea.com).

1.4 Directions for Submission

1.4.1 Proposals must be received no later than 11:00 AM on Tuesday February 20, 2024. Extensions will not be granted.

1.4.2 Submittals shall contain the following:

- Cover Page;
- Cover letter on company letterhead with name, address and telephone number, project manager's name and email address;
- Proposal addressing how the company will approach and perform each task set forth in Section 1.1.3 and Section 2.0 – TASKS AND DELIVERABLES;
- Contractor qualifications;
- Examples of similar work experience;
- Resumes of key personnel to be assigned to the project;
- Three work references with contact information (phone and email);
- Bid sheet/Cost proposal; and
- Documents specified in Section 1.3.4.

1.4.3 Respondent shall provide three paper copies (3) of the submission to:

**Monica R. Miannecki, P.E., P.P., CFM, CME
Director of Solid Waste, Parks & Stormwater Management
New Jersey Sports and Exposition Authority
One DeKorte Park Plaza
P.O. Box 640
Lyndhurst, NJ 07071**

1.4.4 Cost Proposal: A cost proposal shall be included with the submission. The cost proposal shall provide a separate not to exceed dollar amount for performing each of the tasks listed in Section 1.1.3. A fee schedule must be included with the cost proposal and shall include a breakdown of any markup over vendor cost. Any out-of-pocket expenses not included in the contract cost should be listed in the proposal.

1.4.5 Inquiries: Questions regarding this RFP shall be submitted in writing, by e-mail, to Monica Mianeki (mmianeki@njsea.com) no later than 11:00 AM on February 1, 2024. Questions and answers will be shared via addendum, which will be posted to the public notices section of the NJSEA website and provided directly to all potential bidders who attend the mandatory pre-proposal meeting and/or have registered by e-mail with Monica Mianeki at mmianeki@njsea.com. **Please be reminded that proposals will not be accepted from bidders who fail to attend the mandatory pre-proposal meeting.**

1.5 Proposal Evaluation

1.5.1 Evaluation Process

The NJSEA will award the project to the most qualified, responsive Proposer whose Proposal conforms in all respects to the requirements set forth in the RFP and is deemed to be the most advantageous to the NJSEA price and other factors considered.

The successful bidder shall have a minimum of five-years of experience in the management, operation, and servicing of landfill gas recovery and flare systems. Evaluation of the Proposals will be based on the criteria listed below.

The Contractor shall demonstrate a thorough knowledge of the relevant State of New Jersey and Federal permitting requirements. Permit requirements are an integral part of the Scope of Services.

Experience of the Contractors will be evaluated based on the length of time the firm has been providing this services as well as the experience of the professionals assigned to this facility. The Contractor shall submit a list of similar facilities for which they have performed similar work, the length of time for which the work has been performed and the resume of the professionals to be assigned to this project.

Contractors will be evaluated based on demonstrated relevant skill set and expertise of the firm and its employees.

The Contractor will be evaluated for its proposed approach to performing the tasks set forth in Section 1.1.3 and Section 2.0 – TASKS AND DELIVERABLES.

1.5.2 Award and Execution of Contract

The winning proposal will be recommended to the NJSEA Board of Commissioners. Final award shall be subject to approval by the NJSEA Board of Commissioners.

The effective date of this contract is May 1, 2024 and will end on April 30, 2027. There are two one (1) year options to be exercised at the sole discretion of the NJSEA.

No contract or agreement, express or implied, shall exist or be binding on the NJSEA before the execution of a written contract by both parties. If agreement on the terms of such a contract cannot be reached after a period deemed reasonable by the NJSEA in its sole discretion, the NJSEA may terminate the procurement, rebid the contract, or enter into negotiations and sign a contract with any other bidder who submitted timely, responsive and responsible proposal to this RFP.

1.6 Business Registration Certificate

Any Contractor or subcontractor entering into a contract with a State agency shall provide the following:

A. A Contractor shall provide proof of valid business registration with the Division of Revenue in the Department of the Treasury to any contracting State agency; no contract shall be entered into by any contracting State agency unless the Contractor first provides proof of valid business registration. As mandated by this bid document, failure to provide a copy of the Business Registration Certification with the bid will be cause for rejection of the Bid.

B. A subcontractor under any contract with a contracting State agency shall provide proof of valid business registration with the Division of Revenue to any Contractor; verification information shall be forwarded by the Contractor to the contracting State agency. No subcontract shall be entered into by any Contractor under any contract with a contracting State agency unless the subcontractor first provides proof of valid business registration.

C. The Contractor and all subcontractors shall submit proof of a valid business registration with the Division of Revenue in the Department of the Treasury with the Bid. Registration information can be obtained at [State of NJ - Department of the Treasury - Division of Revenue Getting Registered](#)

D. The Contractor and any subcontractor providing goods or performing services under this contract, and each of their affiliates, shall during the term of the contract, collect and remit to the Director of the Division of Taxation in the Department of the Treasury the use tax due pursuant to the "Sales and Use Tax Act, P.L. 1966, c.30 (N.J.S.A. 54:32B-1 et seq.) on all their sales of tangible personal property delivered to the State. Any questions in this regard can be directed to the Division of Revenue at (609) 292-1730. Form NJ-REG can be filed online at: [State of NJ - Department of the Treasury - Division of Revenue Getting Registered](#)

1.7 Authorization to do Business in New Jersey

Corporations not incorporated in the State of New Jersey shall submit with their Bid a certification from the Secretary of the State of New Jersey, indicating that said corporation is authorized to transact business in

the State of New Jersey. All non-residents of New Jersey shall designate a registered agent in the State of New Jersey upon whom service can be made. A duly executed written statement accompanying the Bid shall show this designation.

1.8 Interpretation

Only the interpretation and/or corrections issued as a written Addendum signed by Monica R. Miannecki, P.E., P.P., CFM, CME, Director of Solid Waste, Parks & Stormwater Management, shall be binding. No other source is authorized to give information regarding any explanation or interpretation. Questions and answers will be shared via addendum, which will be posted to the public notices section of the NJSEA website and provided directly to all potential bidders who attend the mandatory pre-proposal meeting and/or have registered by e-mail with Monica Miannecki at mmiannecki@njsea.com. To be considered for a response, all questions must be received electronically no later than 11:00 AM on February 1, 2024.

1.9 Causes for Rejection

1.9.1 Submittals may be rejected for any or all of the following reasons:

- Failure to provide a valid Business Registration Certificate;
- Failure to submit a Proposal that demonstrates the Contractor's willingness or ability to perform the work as set forth in Section 2.0- TASKS AND DELIVERABLES
- Contractor's failure to provide required certificates and documents;
- Failure to disclose potential conflicts of interest;
- Failure to include required information with the RFP; and
- When the NJSEA deems that it is in its best interest to do so.

1.9.2 The NJSEA reserves the right to waive any and all minor irregularities and informalities, and to request clarification of any items included with the submission.

1.10 Insurance

1.10.1 The selected Contractor will be required to furnish the NJSEA with satisfactory proof that it has obtained insurance described below from insurance carrier rated A by A.M. Best Rating. The Contractor shall keep such insurance in force until each and every obligation assumed under the Contract has been fully and satisfactorily performed. The NJSEA shall be named as additional insured under all policies, except the Compensation Insurance.

1.10.2 The selected Contractor will be asked to furnish the NJSEA certificates for the following types of insurance showing the type, amount, and the effective and expiration dates of the policies.

A. **COMPREHENSIVE GENERAL LIABILITY** policy with a combined single limit of \$5,000,000 for bodily injury and property damage. This policy shall include coverage or "XCU" exposures and include complete operations coverage. The policy shall be endorsed to include the NJSEA as an additional insured at the job location for the duration of the operation.

B. CONTRACTOR'S VEHICLE LIABILITY INSURANCE, for "any auto/vehicle", whether owned, non-owned or hired for the duration of the contract for bodily injury/property damage with a combined single limit of one million dollars (\$1,000,000).

C. PROFESSIONAL LIABILITY INSURANCE shall be maintained during the course of this Contract. Said insurance shall consist of an errors and omissions policy in the amount of one million dollars (\$1,000,000). The Contractor shall pay any policy deductibles.

D. EXCESS LIABILITY INSURANCE, in the amount of five million dollars (\$5,000,000) is to be provided in addition to the above requirements.

E. WORKERS COMPENSATION INSURANCE, coverage "B", as required by state law for all employees who will be engaged in the work associated with this Contract. The Contractor shall require all subcontractors to provide similar workmen's compensation insurance for all of their employees, unless those employees are covered under the Contractor's insurance. If any employees engaged in hazardous work under this Contract are not protected under the workmen's compensation statute; the Contractor (and any subcontractors) shall also provide adequate employer's liability insurance for the protection of these employees.

F. ENVIRONMENTAL LIABILITY INSURANCE – in the amount of five million dollars (\$5,000,000) for bodily injury/property damage. The policy form must accompany the certificate of insurance and the contract documents.

1.10.3 The Contractor shall not permit any subcontractor to commence work on his subcontract until all similar insurance (as listed above) required of the subcontractor has been obtained and approved. Copies of all Subcontractors certificates are to be forwarded to the NJSEA.

1.10.4 All insurance certificates shall stipulate that the insurance will not be changed or canceled without giving at least sixty (60) days written notice to the NJSEA by certified mail.

1.11 Affirmative Action

During the performance of this Contract, the Contractor agrees as follows:

A. The Contractor or subcontractor, where applicable, will not discriminate against any employee or applicant for employment because of age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex. Except with respect to affectional or sexual orientation and gender identity or expression, the Contractor will ensure that equal employment opportunity is afforded to such applicants in recruitment and employment, and that employees are treated during employment, without regard to their age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex. Such equal employment opportunity shall include, but not limited to the following: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The Contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided by the Public Agency Compliance Officer setting forth provisions of this nondiscrimination clause.

B. The Contractor or subcontractor, where applicable will, in all solicitations or advertisements for employees placed by or on behalf of the Contractor, state that all qualified applicants will receive consideration for employment without regard to age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex.

C. The Contractor or subcontractor, where applicable, will send to each labor union or representative or workers with which it has a collective bargaining agreement or other contract or understanding, a notice, to be provided by the agency contracting officer advising the labor union or workers' representative of the Contractor's commitments under this act and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

D. The Contractor or subcontractor where applicable, agrees to comply with any regulations promulgated by the Treasurer pursuant to N.J.S.A. 10:5-31 et seq. as amended and supplemented from time to time and the Americans with Disabilities Act.

E. The Contractor or subcontractor agrees to make good faith efforts to afford equal employment opportunities to minority and women workers consistent with Good faith efforts to meet targeted county employment goals established in accordance with N.J.A.C. 17:27-5.2, or Good faith efforts to meet targeted county employment goals determined by the Division, pursuant to N.J.A.C. 17:27-5.2.

F. The Contractor or subcontractor agrees to inform in writing its appropriate recruitment agencies including, but not limited to, employment agencies, placement bureaus, colleges, universities, labor unions, that it does not discriminate on the basis of age, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex, and that it will discontinue the use of any recruitment agency which engages in direct or indirect discriminatory practices.

G. The Contractor or subcontractor agrees to revise any of its testing procedures, if necessary, to assure that all personal testing conforms with the principles of job-related testing, as established by the statutes and court decisions of the State of New Jersey and as established by applicable Federal law and applicable Federal court decisions.

H. In conforming with the targeted employment goals, the Contractor or subcontractor agrees to review all procedures relating to transfer, upgrading, downgrading and layoff to ensure that all such actions are taken without regard to age, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex, consistent with the statutes and court decisions of the State of New Jersey, and applicable Federal law and applicable Federal court decisions.

I. The Contractor shall submit to the public agency, after notification of award but prior to execution of a goods and services contract, one of the following three documents:

Letter of Federal Affirmative Action Plan Approval
Certificate of Employee Information Report
Employee Information Report Form AA302

J. The Contractor and its subcontractor shall furnish such reports or other documents to the Division of Public Contracts Equal Employment Opportunity Compliance as may be requested by the Division

from time to time in order to carry out the purposes of these regulations, and public agencies shall furnish such information as may be requested by the Division of Public Contracts Equal Employment Opportunity Compliance for conducting a compliance investigation pursuant to Subchapter 10 of the Administrative Code at N.J.A.C.17:27.

1.12 Requirements of Public Law 2005, Chapter 51, NJSA 19:44a-20.13-25 (Formerly Executive Order 134) and Executive Order 117 (2008)

Public Law 2005, c.51 superseded Executive Order 134. The Executive Order, and the subsequent legislature, contain additional restrictions and reporting requirements that will necessitate a thorough review of the provisions. Chapter 51 can be found on the Purchase Bureau website at [NJ Division of Purchase and Property - Political Contributions Compliance](#).

In order to safeguard the integrity of State government procurement by imposing restrictions to insulate the award of State contracts from political contributions that pose the risk of improper influence, purchase of access, or the appearance thereof, Executive Order 134 was signed on September 22, 2004 ("EO 134"). Pursuant to the requirements of EO 134, the terms and conditions set forth in this section are material terms in any contract resulting from this Bid.

Definitions – for the purpose of this section, the following shall be defined as follows:

A. Contribution – means a contribution reportable as a recipient under "The New Jersey Campaign Contributions and Expenditures Reporting Act." P.L. 1973, c.83 (C.10:44A-1 et. seq.), and implementing regulations set forth at N.J.A.C. 19:25-7 and N.J.A.C. 19:25-10.2 et. seq. Currently, contributions in excess of \$300 during a reporting period are deemed "reportable" under these laws.

B. Business Entity – means any natural or legal person, business corporation, professional services corporation, limited liability company, partnership, limited partnership, business trust, association or any other legal commercial entity organized under the laws of New Jersey or any other state or foreign jurisdiction. It also included (i) all principals who own more than 10 percent of the profits or assets of a business entity or 10 percent of the stock in the case of a business entity that is a corporation for profit, as appropriate; (ii) any subsidiaries directly or indirectly controlled by the business entity; (iii) any political organization organized under 26 U.S.C.A. 527 that is directly or indirectly controlled by the business entity, other than a candidate committee, election fund, or political party committee; and (iv) if a business entity is a natural person, that person's spouse or child, residing in the same household.

Breach of Terms of Executive Order 134 Deemed Breach of Contract – it shall be a breach of the terms of the contract for the Business Entity to (i) make or solicit a contribution in violation of this Order, (ii) knowingly conceal or misrepresent a contribution given or received; (iii) make or solicit contributions through intermediaries for the purpose of concealing or misrepresenting the source of the contribution; (iv) make or solicit any contribution on the condition or with the agreement that it will be contributed to a campaign committee or any candidate or holder of the public office of Governor, or to any State or county party committee; (v) engage or employ a lobbyist or consultant with the intent or understanding that such lobbyist or consultant would make or solicit any contribution, which if made or solicited by the business entity itself, would subject that entity to the restrictions of EO 134; (vi) fund contributions made by third parties, including consultants, attorneys, family members, and employees; (vii) engage in any exchange of contributions to circumvent the intent of EO 134; or (viii) directly or indirectly through or by any other person or means, do any act which would subject that entity to the restrictions of EO 134.

Certification and Disclosure Requirements:

A. The State shall not enter into a contract to procure from any Business Entity services or any material, supplies or equipment, or to acquire, sell or lease any land or building, where the value of the transaction exceeds \$17,500, if that Business Entity has solicited or made any contribution of money, or pledge of contribution, including in-kind contributions to a candidate committee and/or election fund of any candidate for or holder of the public office of Governor, or to any State or county political party committee during certain specified time periods.

B. Prior to awarding any contract or agreement to any Business Entity, the Business Entity proposed as the intended awardee of the contract shall submit the Certification and Disclosure form, certifying that no contributions prohibited by Executive Order 134 have been made by the Business Entity and reporting all contributions the Business Entity made during the preceding four years to any political organization organized under 26 U.S.C.527 of the Internal Revenue Code that also meets the definition of a "continuing political committee" within the meaning of N.J.S.A. 19:44A-3(n) and N.J.A.C. 19:25-1.7. The required form and instructions, available for review on the Purchase Bureau website at [NJ Division of Purchase and Property - Political Contributions Compliance](#) shall be provided to the intended awardee for completion and submission to the Purchase Bureau with the Notice of Intent to Award. Upon receipt of a Notice of Intent to Award a Contract, the intended awardee shall submit to the Division, in care of the Purchase Bureau Buyer, the Certification and Disclosure(s) within five (5) business days of the State's request. Failure to submit the required forms will preclude award of a contract under this Bid, as well as future contract opportunities. Instructions and sample copies of the required forms are included in the Appendix of these Bid Documents.

Effective December 7, 2009 the Two-Year Chapter 51/Executive Order 117 Vendor Certification and Disclosure of Political Contributions form will require a "valid" FEIN in order to be processed. A current NJ Business Registration Certificate is also required from the Division of Revenue. Vendors that are sole proprietors can use their Social Security numbers, but must be registered to do business with the State of New Jersey, Business Registration. (e.g. consultants, therapist, individual land owners) Please verify all C.51/EO117 submittals indicate the contracted vendor name and proper corresponding FEIN/SS. To reiterate, having a NJ Business Registration Certificate is a prerequisite for any vendor entering into any type of business transaction with the State of New Jersey. The Chapter 51/EO117 review process will be able to run more efficiently by utilizing the vendor's unique FEIN/SS and the State will have an added safeguard in place to insure businesses are legally registered. Information regarding business registration certificates can be found at the following link: [State of NJ - Department of the Treasury - Division of Revenue Business Registration Certificate](#).

C. Further, the Contractor is required, on a continuing basis, to report any contributions it makes during the term of the contract, and any extension(s) thereof, at the time any such contribution is made. The required form and instructions, available for review on the Purchase Bureau website at [NJ Division of Purchase and Property - Political Contributions Compliance](#) shall be provided to the intended awardee with the Notice of Intent to Award.

State Treasurer Review - The State Treasurer or his designee shall review the Disclosures submitted pursuant to this section, as well as any other pertinent information concerning the contributions or reports thereof by the intended awardee, prior to award, or during the term of the contract, by the Contractor. If the State Treasurer determines that any contribution or action by the contractor constitutes a breach of

contract that poses a conflict of interest in the awarding of the contract under this solicitation, the State Treasurer shall disqualify the Business Entity from award of such contract.

Additional Disclosure Requirements of P.L. 2005, C.271:

A. Contractor is advised of its responsibility to file an annual disclosure statement on political contributions with the New Jersey Election Law Enforcement Commission (ELEC), pursuant to P.L. 2005, c. 271, section 3 if the Contractor receives contracts in excess of \$50,000 from a public entity in a calendar year. It is the Contractor's responsibility to determine if filing is necessary. Failure to so file can result in the imposition of financial penalties by ELEC. Additional information about this requirement is available from ELEC at 888-313- 3531 or at www.elec.state.nj.us.

EXECUTIVE ORDER 117

Executive Order 117 builds on the provisions of P.L. 2005, c. 51 ("Chapter 51"), which limits contributions to certain political candidates and committees by for-profit business entities that are, or seek to become, State government vendors.

Executive Order No. 117 extends the provisions of Chapter 51 in two ways:

- A. The definition of "business entity" is revised and expanded so that contributions by the following individuals also are considered contributions attributable to the business entity:
1. Officers of corporations and professional service corporations, with the term "officer" being defined in the same manner as in the regulations of the Election Law Enforcement Commission regarding vendor disclosure requirements (N.J.A.C. 19:25-26.1), with the exception of officers of non-profit entities;
 2. Partners of general partnerships, limited partnerships, and limited liability partnerships and members of limited liability companies (LLCs), with the term "partner" being defined in the same manner as in the regulations of the Election Law Enforcement Commission regarding vendor disclosure requirements (N.J.A.C. 19:25-26.1); and
 3. Spouses, civil union partners, and resident children of officers, partners, LLC members and persons owning or controlling 10% or more of a corporation's stock are included within the new definition, except for contributions by spouses, civil union partners, or resident children to a candidate for whom the contributor is eligible to vote or to a political party committee within whose jurisdiction the contributor resides.
- B. Reportable contributions (those over \$300.00 in the aggregate) to legislative leadership committees, municipal political party committees, and candidate committees or election funds for Lieutenant Governor are disqualifying contributions in the same manner as reportable contributions to State and county political party committees and candidate committees or election funds for Governor have been disqualifying contributions under Chapter 51.

1.13 New Jersey Equal Pay Act

Please be advised that in accordance with P.L. 2018, c. 9, also known as the Diane B. Allen Equal Pay Act, which was signed into law by Governor Phil Murphy on April 24, 2018, a contractor performing "qualifying services" or "public work" to the State or any agency or instrumentality of the State shall provide the Commissioner of Labor and Workforce Development a report regarding the compensation and hours

worked by employees categorized by gender, race, ethnicity, and job category. For more information and report templates see <https://nj.gov/labor/equalpay.html>.

1.14 New Jersey Prompt Payment Act

The New Jersey Prompt Payment Act (N.J.S.A. 52:32-32 et seq.) requires state agencies to pay for goods and services within sixty (60) days of agency's receipt of a properly executed State Payment Voucher or within sixty (60) days of the receipt and acceptance of goods and services, whichever is later. Properly executed performance security, when required, must be received by the state prior to processing any payments for goods and services accepted by State agencies. Interest will be paid on delinquent accounts at a rate established by the State Treasurer. Interest will not be paid until it exceeds \$5.00 per properly executed invoice.

END OF SECTION 1.0

2.0 TASKS AND DELIVERABLES

The following are the detailed tasks associated with this Contract:

- **Task 1** – Routine operation, monitoring and service of the wellfield and blower/flare utilities. Contractor is to visit the landfill on a weekly basis. During the visit, the following is to be inspected and documented:

Flare, blower and operating system

- Measure of gas temperature, gas flow and gas composition, including methane, carbon dioxide, oxygen and balance gas;
- Measure of pressure at the BFS inlet, knock out pot inlet and outlet, blower inlet and outlet, flare inlet and flame arrestor;
- Measure of gas flow;
- Flame arrestor temperature drop;
- Current weather;
- Inspection of blower components and lubrication as per factory specifications;
- Check and exercise manually-operated butterfly valves
- Check the flare spark plug;
- Check the level of water in the condensate knock out pot;
- Test the automatic restart function and alarms;
- Check the compressed nitrogen tank and propane tank levels;
- Check the automatic shut-off valve operation; and
- Check for leaks at all system components.

LFG Wellfield Monitoring

- Check gas composition at each well point (including methane, carbon dioxide, oxygen and balance gas);
- Check the vacuum pressure;
- Check the flow;
- Check wellhead gas temperature;
- Check and monitor ports and replace if damaged;
- Check hoses, hose clamps and tighten/replace as needed;
- Check flow control valve; and
- Check for air or gas leaks around the valves, fittings and flanges.

These items are to be documented in a monthly report and any damage, malfunction or non-routine maintenance found during the weekly inspection immediately reported to the NJSEA staff. The monthly report is to be followed with a telephone conference to review, evaluate, plan and schedule any activities necessary to operate and maintain the system in a proper operating condition.

- **Task 2** – Quarterly opacity monitoring

Once per quarter, the 2-hour fugitive/smoke emission inspection at the Utility Flare must be performed. EPA Method 22 shall be used for this task. The data collected shall be included with the monthly report.

- **Task 3 - Annual H₂S gas sampling**

In Quarter 1, samples of landfill gas (LFG) shall be collected from the flare inlet and submitted to an analytical laboratory to analyze for Hydrogen Sulfide (H₂S) as follows:

- Two one-liter Tedlar® bags are to be filled at a positive pressure sampling location, usually at the blower discharge. The samples are collected by connecting the Tedlar® bags to the positive pressure port. The bags are filled and purged three times before the sample is collected.
- The samples are packaged and shipped by overnight courier service to an approved laboratory. The samples will be shipped using the U.S. Department of Transportation HM-181 guidelines. Two samples shall be analyzed for H₂S. The third sample will serve as a backup and not be analyzed.

The results of the sampling shall be forwarded to the NJSEA in report form.

- **Task 4 – Annual H₂S emissions monitoring**

Once per year, a Jerome® meter shall be used to monitor H₂S emissions at the perimeter of the landfill. A report detailing the data collected shall be submitted to the NJSEA.

- **Task 5 - Non-routine operations & maintenance services**

At the NJSEA's sole discretion, and without limiting NJSEA's ability to contract with other parties for these services, the NJSEA may engage Contractor for non-routine repair or maintenance, either identified at the weekly site visit or identified by NJSEA staff. Work will be required to be performed to insure the proper and most efficient operation of the well field and flare system. All of the non-routine operation and maintenance must first receive approval from the NJSEA. Non-routine services shall be billed on a Time and Materials basis (T&M).

- **Task 6 – Regulatory Reporting**

Regulatory reporting as required by the Federal Title V permit shall be conducted. The following items are the current required activities and reports:

- Monthly data review and compliance check including 12-month rolling heat input calculation.
- Annual compliance certification.
- Six-month deviation report.
- Federal Part 98 Greenhouse Gas (GHG) report.
- Annual emission statement.

- **Task 7 – Title V permit application**

The current Title V permit will expire on November 8, 2025. A complete application shall be completed and submitted fifteen (15) months prior to the expiration date.

- **Task 8** – Non-routine/other regulatory support services
At the NJSEA's sole discretion, and without limiting NJSEA's ability to contract with other parties for these services, the NJSEA may engage Contractor for regulatory support and other non-routine services, as needed. These services shall be billed on a Time and Materials basis (T&M).

END OF SECTION 2.0

3.0 PAYMENT

3.1 Monthly Invoices

Services may be invoiced on a monthly, quarterly or annual basis depending on task. Invoicing shall be made after the monthly reports are submitted. Where Time and Materials are the basis for the invoicing, a detailed description of the activity, materials costs and labor costs shall be included with the invoice.

3.2 Out of Pocket Costs/Supplies

Items which are not part of the contract, such as supplies, nitrogen, propane, permit fees, etc. can be added to the monthly invoice. If a mark-up will be added to these costs, the mark-up shall be included in the proposal.

3.3 Change Orders

Any amendment to the terms of this RFP or the Contract for the work, including a cost increase or decrease, a change in scope of the Work, or a change in the Contract Time shall only be made through a mutually agreed upon written Change Order executed by both parties to the Contract.

END OF SECTION 3.0

4.0 BID

4.1 BID SHEET –NJSEA 1-E Landfill Gas Services – 2024

TO: The New Jersey Sports & Exposition Authority (NJSEA)

This bid will not be accepted after 11:00 AM prevailing local time on, Tuesday February 20, 2024. The bidder agrees that this bid will not be withdrawn for a period of 60 calendar days after the closing time for receipt of bids.

(Name of Firm Submitting Bid)

The following Bid is hereby made to the New Jersey Sports & Exposition Authority (NJSEA).

The undersigned hereby proposes and agrees to furnish all the labor, materials, equipment, tools, and services necessary for the NJSEA1-E Landfill; Landfill Gas Services – 2024 as specified herein.

The undersigned has examined the location of the proposed Work and all other Contract Documents, and is familiar with the local conditions at the place where the work is to be performed. The bidder understands that information relative to any existing structures, apparent and latent conditions, and natural phenomena as noted by the NJSEA, carries no guarantee expressed or implied as to its completeness or accuracy, and has made all due allowances therefore.

The undersigned Bidder declares that this Bid is made without connection to any other person or persons making Bids for the same work and is in all respects fair and without collusion or fraud.

The undersigned Bidder has determined the quantity and quality of equipment and materials required; has investigated the location and determined the sources of supply of the materials required; has investigated labor conditions; and has arranged for the continuous prosecution of the work herein described.

The undersigned Bidder hereby agrees to be bound by the award of the Contract, and if awarded the Contract on this Bid, to execute the Contract, to furnish the required Bonds and Insurance Certificates and Affirmative Action documentation, and to furnish all other information required by the Contract Documents within the time limits specified.

The undersigned understands that the NJSEA reserves the right to reject any or all Bids or to waive any informality or technicality of any Bid in the interest of the NJSEA.

The Bidder agrees to perform all the work described in this document and shall provide all labor, equipment, materials, tools, and services necessary for the completion of the Contract all as specified and shown complete to a fully acceptable condition.

Final determination regarding the award of a contract will be at the sole discretion of the NJSEA and will be made after receipt of Bids.

4.2 SCHEDULE OF BID PRICES - NJSEA 1-E Landfill

- **Task 1:** Amount: \$ _____/month
(Total, **Not to Exceed**, Amount in Figures)

_____/month
(Total, **Not to Exceed**, Amount in Words)
- **Task 2:** Amount: \$ _____/quarter
(Total, **Not to Exceed**, Amount in Figures)

_____/quarter
(Total, **Not to Exceed**, Amount in Words)
- **Task 3:** Amount: \$ _____/year
(Total, **Not to Exceed**, Amount in Figures)

_____/year
(Total, **Not to Exceed**, Amount in Words)
- **Task 4:** Amount: \$ _____/year
(Total, **Not to Exceed**, Amount in Figures)

_____/year
(Total, **Not to Exceed**, Amount in Words)
- **Task 5:** DO NOT SUBMIT PRICE PROPOSAL FOR TASK 5
These services shall be billed on a Time and Materials basis (T&M). Please submit a schedule of fees which includes labor rates for the key personnel assigned to this task and a single materials mark-up percentage.
- **Task 6:** Amount: \$ _____/month
(Total, **Not to Exceed**, Amount in Figures)

_____/month
(Total, **Not to Exceed**, Amount in Words)
- **Task 7:** Amount: \$ _____(lump sum)
(Total, **Not to Exceed**, Amount in Figures)

_____(lump sum)
(Total, **Not to Exceed**, Amount in Words)

- **Task 8: DO NOT SUBMIT PRICE PROPOSAL FOR TASK 8**

These services shall be billed on a Time and Materials basis (T&M). Please submit a schedule of fees which includes labor rates for the key personnel assigned to this task and a single materials mark-up percentage.

Please attach Schedule of Fees which shall include labor rates for personnel to be assigned to this facility.

If a Corporation:

Name of Company _____

Business Address _____

Business Telephone Number _____

Incorporated under the laws of the State of _____

Signature and Title of Bidder _____
(Signature)

(Typed Name)

(Title)

Name of President _____

Name of Secretary _____

Name of Treasurer _____

Dated _____

(Affix Corporate Seal Here)

If a Partnership, Individual, or Non-Incorporated Organization:

Name of Company _____

Business Address _____

Business Telephone Number _____

**NJSEA 1-E LANDFILL WELLFIELD AND FLARE OPERATIONS
GREENHOUSE GAS REPORTING SERVICES
NJSEA CONTRACT # SW 24-01**

Signature and Title of Bidder _____
(Signature)

(Typed Name) (Typed Title)

Dated _____

Names and Addresses of Company Members:

(Use Additional Sheets if Necessary)

END OF SECTION 4.0

5.0 CONTRACT

This Professional Consulting Services Agreement (“Agreement”) is dated as of _____, 2024, by and between the New Jersey Sports and Exposition Authority (the “Authority or Owner”) with principal offices at One DeKorte Park Plaza, Lyndhurst, New Jersey 07071, and _____, (“Contractor”), with principal offices at _____, (individually, “Party” or collectively, the “Parties”).

WHEREAS, on or about _____ 2024, the Authority publicly issued Request for Proposals NJSEA 1-E Landfill Wellfield and Flare Operations Greenhouse Gas Reporting Services, NJSEA Contract # SW 24-01 (the “RFP”); and

WHEREAS, Consultant responded to the RFP with a proposal dated _____ 2024, directed to the New Jersey Sports and Exposition Authority (“the Response”); and

WHEREAS, on or about _____, 2024, the Authority selected Contractor as the highest ranking firm that responded to the RFP; and

WHEREAS, the RFP provides that the Authority will award the project to the most qualified, responsible Contractor whose proposal conforms in all respects to the requirements set forth in the RFP and is deemed to be the most advantageous to the NJSEA, price and other factors considered; and

WHEREAS, the Parties have come to an agreement with respect to the terms under which Contractor will perform the services in connection with the RFP.

NOW, THEREFORE, in consideration of the foregoing and the mutual covenants set forth herein, the Parties agree as follows:

I. SCOPE OF WORK

- A. The Authority hereby engages Contractor to manage, operate and service the landfill gas wellfields and flare systems at the NJSEA 1-E Landfill (“Services or work”), and Contractor hereby agrees to provide the Services as defined below.
- B. “Services” is defined as those tasks set forth in “Tasks and Deliverables” in the RFP and in the RFP Response, which is attached as Exhibit “1” and is hereby incorporated into this Agreement.

II. PAYMENT FOR SERVICES

Payment for Services shall be as set forth in the Schedule of Bid Prices, which is hereby made a part of this Agreement. Payment for any Additional Services shall be on terms mutually agreed to in writing by the Parties.

III. INVOICES AND PAYMENT TERMS

Unless otherwise agreed to in writing, invoices for all Services and Additional Services regardless of billing type (time and expense, lump sum etc.) will be issued on a monthly basis, payable within

30 days of the Authority's receipt of the invoice.

IV. EFFECTIVE DATE AND TERM OF AGREEMENT

This Agreement shall become binding upon the parties hereto when executed on behalf of the Authority by its President and Chief Executive Officer. Contingent upon Consultant's timely completing its services and force majeure occurrences beyond the reasonable control of Contractor.

The Contract for these services will be effective on May 1, 2024. The contract period is for three (3) years terminating on April 30, 2027. There are two one (1) year options to be exercised at the sole discretion of the NJSEA.

V. OWNERS REPRESENTATIVE

Contractor shall provide its services in coordination with the President and Chief Executive Officer or his designee. The designation of Owner to be made hereunder shall be made in writing and may be changed from time to time by notice to the Contractor.

VI. PROFESSIONAL STANDARD OF CARE

Notwithstanding anything to the contrary, Contractor shall perform its services in a manner consistent with that level of care and skill ordinarily exercised by other professional consultants under similar circumstances at the time of the provision of its services. No other representations to the Authority, express or implied, and no warranty or guarantee is included or intended in this Agreement, or in any report, document or other communication of any nature.

VII. INDEMNITY

To the fullest extent allowed by law, the Contractor shall indemnify, defend and hold harmless the Authority, its officers, directors, partners, employees, representatives, and agents from and against any and all losses, claims (including claims for bodily injury to persons, death or damages to property), demands, fines, penalties, damages and expenses (including reasonable attorney fees and court costs) arising out of or in connection with (i) any negligence, default or breach by Contractor, its employees and/or sub-consultants of its obligations and performance under the Agreement; (ii) violations or non-compliance with federal, statutory, local or municipal laws and/or ordinances, building codes (including Americans with Disabilities Act, OSHA, Environmental Protection Act) as they may relate to Consultant's, its employees and/or sub-consultants' performance under the Agreement. The foregoing defense and indemnity obligation do not apply to the extent the losses and damages are caused by the Authority's negligence.

VIII. INSURANCE

The Contractor shall purchase and maintain insurance of the types and in the amounts set forth in the RFP which is made part of this Contract.

IX. THE AUTHORITY'S RESPONSIBILITIES

- A. The Authority will provide to Contractor all available information pertinent to Contractor's services, provide access to the Contractor and their sub-consultants to all public and private property controlled by the Authority as necessary for Contractor to perform its Services, and give prompt written notice to whenever the Authority becomes aware of anything that could affect the Services to be provided by Contractor.
- B. The Authority may make changes in the Scope of Services of this Agreement. The Authority may also make changes to the scope of the project, which may give rise to changes in the scope of services. In such case the amounts payable to the Contractor will be equitably adjusted.

X. TERMINATION

A. **TERMINATION FOR CONVENIENCE** The performance of services under this Agreement may be terminated by the Authority in accordance with this Section in whole, or from time to time in part, whenever the Authority shall determine that such termination is in the best interest of the Authority. Any such termination shall be effected by delivery to the Contractor of a Notice of Termination specifying the extent to which performance and work under the Agreement is terminated and the date upon which such termination becomes effective.

After receipt of notice of termination pursuant to Section A, Contractor shall not perform any services except those necessary for the orderly termination of the work, nor incur any expenses without the written approval of the Authority. The Authority will pay for services actually performed, completed and approved by the Authority up to the date of termination and reasonable termination expenses actually incurred. All costs shall be subject to audit. Authority shall not be liable for any consequential or special damages of any type.

B. **TERMINATION FOR CAUSE** The Authority may terminate this agreement in whole or in part at any time if the Contractor has materially failed to comply with terms of the Agreement. In the event of such failure, the Authority shall promptly give written notification to the Contractor of its intent to terminate and the reasons thereof. The Contractor shall have ten (10) days, or such additional time as the Authority in its sole discretion may grant, after receipt of notice to cure its failure. If the failure is not cured to the satisfaction of the Authority, the Consultant shall be held in breach of this Agreement and the contract may be terminated (in whole or in part) effective immediately.

Upon a termination under Section B the Contractor shall be liable for any and all costs incurred by the Authority arising out of or related to the termination including but not limited to the cost of completing the Contractor's work

In the event a termination under Section B is later determined to have been wrongful the Authority's liability to the Contractor shall be limited to that payable under Section A.

The rights and remedies available to the Authority in this section shall not be exclusive and are in addition to any other rights and remedies provided by law or under this Agreement.

XI. ENTIRE AGREEMENT

This Agreement, together with those sections of the Response referenced herein, and any subsequent writings agreed to by the Parties for Additional Services sets forth and constitutes the entire agreement between the Parties with respect to the subject matter hereof, and supersedes all prior agreements and understandings between the Parties respecting the subject matter hereof. This Agreement may not be released, discharged, amended, or modified in any manner except by an instrument in writing signed by each of the parties.

XII. ASSIGNMENT

Contractor shall not sell, transfer or otherwise dispose of this Agreement or its interest therein to any other party without the prior written consent of the Authority. Contractor shall not without the prior written approval of the Authority, assign or subcontract any of the Project Services under this Agreement. The foregoing notwithstanding, this Agreement shall be legally binding upon, inure to the benefit of, and be enforceable by the parties hereto and their assigns, successors, legal representatives, heirs and devisees as the case may be.

XIII. AFFIRMATIVE ACTION

The parties to this Agreement do hereby agree that the provisions of N.J.S.A. 10:5-31 et. seq. (P.L. 1975, c. 127) as amended and supplemented and the rules and regulations promulgated pursuant thereto and the provisions set forth in the State of New Jersey Equal Employment Opportunity Provisions for Professional Services Contract, as detailed in the RFP are deemed to be part of this Agreement as if set forth at length herein

In addition, Contractor agrees that the provisions of Title II of the Americans with Disabilities Act of 1990 (the "Act (42, USC § 12101 *et seq.*), which prohibits discrimination on the basis of disability by public entities in all services, programs, and activities provided or made available by public entities, and the rules and regulations promulgated thereto, are made a part of this Agreement. In providing any aid, benefit, or service on behalf of the Authority pursuant to this Agreement, Contractor agrees that the performance shall be in strict compliance with the Act. In the event that Contractor, its agents, servants, employees, or sub-consultants violate or are alleged to have violated the Act during the performance of this Agreement, Contractor shall defend the Authority and the State of New Jersey in any action or administrative proceeding commenced pursuant to this Act.

Contractor shall indemnify, protect, and save harmless the Authority, its agents, servants, and employees from and against any kind of all suits, claims, losses, demands, or damages or whatever kind or nature arising out of or claimed to arise out of the alleged violation. Contractor shall, at its own expense, appear, defend and pay any and all charges for legal services and any and all costs and other expenses arising from such action or administrative proceeding or incurred in connection herewith. If any action or administrative proceeding results in an award of damages against the Authority or if the Authority incurs any expense to cure a violation of the Act by Consultant, then Contractor shall satisfy and discharge the same at its own expense.

The Authority shall, as soon as practicable after a claim has been made against it, give written notice thereof to Contractor along with full and complete particulars of the claim. If any action or administrative proceeding is brought against the Authority or any of its agents, servants, and

employees, the Authority shall expeditiously forward to Contractor every demand, complaint, notice, summons, pleading, or other process received by it or its representatives.

It is expressly agreed and understood that any approval by the Authority of the services provided by Contractor pursuant to this Agreement will not relieve Contractor of the obligation to comply with the Act and to defend, indemnify, protect, and save harmless the Authority, pursuant to this paragraph.

Contractor expressly understands and agreed that the provisions of the indemnification clause shall in no way limit the Contractor's obligations assumed in this Agreement, nor shall they be construed to relieve Contractor from liability, nor preclude Contractor from taking any other actions available to it under any other provision of this Agreement or otherwise at law.

XIII. COMPLIANCE WITH PUBLIC LAW 2005, CHAPTER 51

Contractor agrees that it will comply with the provisions of Public Law 2005, Chapter 51, which requires all businesses having been awarded a State contract to submit a Public Law 2005, Chapter 51 Certification and Disclosure of Political Contributions, and hereby represents that it has not made any political contributions that would preclude its ability to provide the services contracted for hereunder. In addition, Contractor understands that it is under a continuing duty to disclose during the time of the Agreement all contributions made during the term of this Agreement covered under Public Law 2005, Chapter 51. Compliance with Public Law 2005, Chapter 51 is a material term and condition of this Agreement.

XIV. AUDIT AND INSPECTION OF RECORDS

Contractor shall retain all agreements and records and permit the authorized representatives of the Authority, upon request, to inspect and audit all data and records of Contractor relating to its performance under this agreement from the effective date hereof until the expiration of three (3) years after completion of and final payment for the project services. Documents of every nature prepared pursuant to this Agreement shall be available to and become the property of the Authority and basic notes and other pertinent data shall be made available to the Authority upon request.

XV. MISCELLANEOUS

- A. Third Parties. Nothing under this Agreement shall be construed to give any rights or benefits in this Agreement to anyone other than the Parties hereto. All duties and responsibilities undertaken pursuant to this Agreement will be for the sole and exclusive benefit of the Parties and not for the benefit of any other party.
- B. Precedence of Documents. In the event the Authority issues a purchase order or other instrument related to Consultant's services, it is understood and agreed that such document is for the Authority's internal accounting purposes only, and shall not operate to amend, supplement, modify, or delete any terms or conditions of this Agreement. In the event of any conflict between the terms and conditions of any such purchase order or other instrument and this Agreement, this Agreement shall take precedence.

- C. Public Information. Contractor shall not release or publish any information or material generated from the Project to others outside of the Authority without the express written permission of the Authority.
- D. This Agreement shall be governed by the laws of the State of New Jersey. The parties agree that the courts of the State of New Jersey shall have exclusive jurisdiction of any action regarding or relating to this Agreement. All parties consent to be subject to the jurisdiction of the courts of New Jersey.
- E. Notices. All notices and other communications given or made pursuant to this Agreement shall be in writing and shall be deemed to have been duly given or made:
(a) the fourth (4th) business day after the date of mailing; (b) upon delivery, if delivered by registered or certified mail (postage prepaid, return receipt requested); (c) upon delivery, if sent by hand delivery; or (d) upon delivery, if sent by prepaid courier, with a record of receipt, to the Parties at the following addresses:

If to the Authority, to:

Monica R. Miannecki, P.E., P.P., CFM, CME
Director of Solid Waste, Parks and Stormwater Management
New Jersey Sports & Exposition Authority
One DeKorte Park Plaza
Lyndhurst, NJ 07071
201-460-2813
C: 551-361-6532
mmiannecki@njsea.com

If to Contractor to:

_____(Firm)
_____(Contact)
_____(Address)

_____(Phone Number)
_____(Email)

Either party hereto may change its address by giving notice thereof to the other party hereto in conformity with the foregoing.

IN WITNESS WHEREOF, the parties hereto have duly executed and delivered this Agreement as of the date first set forth herein.

**NEW JERSEY SPORTS AND
EXPOSITION AUTHORITY**

(Contractor)

Signature: _____

Signature: _____

Printed Name: _____

Printed Name: _____

Title: _____

Title: _____

Date: _____

Date: _____

END OF SECTION 5.0

6.0 FORMS

6.1 BIDDER'S EXPERIENCE AFFIDAVIT

The **BIDDER** shall document their experience by completing the form below, or on sheets to be attached. The list shall include **AT LEAST THREE PROJECTS FOR WHICH WORK WAS CONDUCTED WITHIN THE LAST THREE YEARS**, which are similar in scope and size to that proposed in this Contract. The qualifications of the project manager assigned to this project must be included. A copy of the resume of the personnel assigned to this project shall be attached to this affidavit.

All listed subcontractors refer to the individual specifications for qualification requirements to be submitted.

The undersigned is (an Individual) (a Partnership) (a Corporation) under the laws of the State of _____, having principal offices at _____.

(Signature)

(Typed Name)

Date: _____

(Typed Address)

6.2 BIDDER'S AFFIDAVIT OF AUTHORIZATION

Any businesses incorporated outside the State of New Jersey shall furnish a certificate proving they are authorized by the Secretary of the State of New Jersey to do business in the State of New Jersey prior to contract award.

State of _____
ss:

County of _____

_____ (Name of Bidder), being duly sworn, deposes and says that:

he/she resides at _____;

he/she is the _____ (Title) who signed the Bid Forms for this Contract;

he/she is duly authorized to sign, and that the Bid is a true offer of the Bidder, and the seal attached is the seal of the Bidder; and,

all the declarations and statements contained in the Bid are true to the best of his/her knowledge and belief.

(Signature)

(Typed Name)

Subscribed and sworn to
before me this _____ day
of _____ 20__.

(Notary Public)

My Authority expires _____, 20__

6.3 CORPORATE RESOLUTION FORM

BE IT RESOLVED, By the Board of Directors of _____
that the president (_____) be and hereby is authorized to make, execute and
deliver a contract for _____
with the New Jersey Sports and Exposition Authority; and that the Secretary
(_____) be and hereby is authorized to attest to the execution of the same and
affix the corporate seal thereto.

BOARD OF DIRECTORS

SECRETARY (SEAL)

I HEREBY CERTIFY that the foregoing is an exact copy of a Resolution by the BOARD of Directors of
(_____) adopted at a (_____) , meeting held on
_____ at which quorum was present.

IN WITNESS WHEREOF, I have hereunto set my hand and the seal of

(_____)

this _____ day of _____ 20_____.

(SEAL) _____
SECRETARY

6.4 MORAL INTEGRITY AFFIDAVIT

State of _____
ss:

County of _____

I, _____ (Name), the _____ (Title)
of _____ (Company), being first duly sworn, depose and say that:

1. The above named company has submitted a bid regarding this Contract to the New Jersey Sports and Exposition Authority;
2. The above named company wishes to demonstrate moral integrity to the satisfaction of the New Jersey Sports and Exposition Authority;
3. As of the day of signing this Affidavit, neither the above named company nor any of its owners, officers, or directors are involved in any Federal, State, or other governmental investigations concerning criminal or quasi-criminal violations, except as follows (If none, so state):

4. Neither the Company nor any of its owners, officers, or directors have ever committed any violation of a Federal or State criminal or quasi-criminal statute except as follows: (If none, so state):

5. Neither the Company nor any of its owners, officers or directors have ever been suspended, disbarred or otherwise declared ineligible by any agency or government from bidding or contracting to provide services, labor, material or supplies except as follows: (If none, so state):

6. Neither the Company nor any of its owners, officers or directors have ever been involved in any investigation, litigation, including administrative complaints or other administrative proceedings, involving any public sector clients during the past five years except as follows: (If applicable, set forth the nature and status of the investigation and, for any litigation the caption of the action, a brief description of the action, date of inception, current status and, if applicable, disposition.) If none, so state):

**NJSEA 1-E LANDFILL WELLFIELD AND FLARE OPERATIONS
GREENHOUSE GAS REPORTING SERVICES
NJSEA CONTRACT # SW 24-01**

7. The company is incorporation in the State of: _____.
8. If the answer to the above question is a state other than New Jersey, that the company has received from the Secretary of the State of New Jersey a certificate authorizing it to conduct business in New Jersey, and a copy of the certificate is enclosed with the Bid.
9. He/she is personally acquainted with the operations of the company, has full knowledge of the factual basis comprising the contents of this Affidavit, and that the contents are true.
10. The names and home addresses of the principals, shareholders, and officers of the company and their ownership interest (shares owned and/or percent of Partnership) are as follows:

(Use additional sheet if required)

11. This Affidavit is made to the New Jersey Sports and Exposition Authority to accept the bid for the above referenced Contract, knowing that the New Jersey Sports and Exposition Authority relies upon the truth of the statements contained herein. The undersigned acknowledges there is a continuing obligation from the date of the affidavit to notify the NJSEA of any changes to the answers or information contained herein. I acknowledge that I am aware that it is a criminal offense to make a false statement in this affidavit, and if I do so, I recognize that I am subject to criminal prosecution under the law and that it will also constitute a material breach of my agreement with the NJSEA and that the NJSEA may declare any contract(s) resulting from this certification void and unenforceable.

(Signature)

(Typed Name)

Subscribed and sworn to
before me this ____ day
of _____ 20__.

(Notary Public)

My Authority expires _____, 20__

6.5 NON-COLLUSION AFFIDAVIT

State of _____
ss:

County of _____

I, _____ (Name), of the municipality of _____ in the
County of _____ and the State of _____ being first duly sworn,
depose and say that:

I am the _____ (Title) of the firm _____ the
Bidder making the Bid for this Contract.

I execute the Bid with the full Authority to do so.

Said Bidder has not directly or indirectly entered into any agreement, participated in any collusion, or
otherwise taken any action in restraint of free, competitive bidding in connection with the above named
Bid.

All statements contained in said Bid and in this affidavit are true and correct, and made with full knowledge
that the New Jersey Sports and Exposition Authority relies upon the truth of the statements contained in
the Bid and this affidavit in awarding this Contract.

I further warrant that no person or selling agency has been employed or retained to solicit or secure such
Contract upon an agreement or understanding for a commission, percentage, brokerage, or contingent
fee, except bona fide employees, or commercial or selling agencies maintained by the Bidder.

Subscribed and sworn to
before me this _____ day
of _____ 20__.

(Type or print name under signature)

(Notary Public)

My Authority expires _____, 20__

NOTE: If no work will be subcontracted, indicate NONE.

[illegible]

6.7 PROOF OF VALID BUSINESS REGISTRATION

The Bidder shall provide proof of business registration with the State of New Jersey. A copy of the registration for the Bidder and all listed subcontractors shall be attached to this form.

6.8 NOTICE TO ALL BIDDERS OF SET-OFF FOR STATE TAX

Please be advised that, pursuant to P.L. 1995, c. 159, effective January 1, 1996, and notwithstanding any provision of the law to the contrary, whenever any taxpayer, partnership or S corporation under contract to provide goods and services or construction projects to the State of New Jersey or its agencies or instrumentalities, including the legislative and judicial branches of State government, is entitled to payment for those goods or services at the same time a taxpayer, partner or shareholder of that entity is indebted for any State tax, the Director of the Division of Taxation shall seek to set off that taxpayer's or shareholder's share of the payment due to the taxpayer, partnership or S corporation. The amount of the set off shall not allow for the deduction of expenses or other deductions which might be attributable to the taxpayer, partner or shareholder subject to set-off under this act.

The Director of the Division of Taxation shall give notice of the set-off to the taxpayer and provide an opportunity for a hearing within 30 days of such notice under the procedures for protests established under R.S. 54:49-18. No requests for conference, protest, or subsequent appeal to the Tax Court from any protest under this section shall stay the collection of the indebtedness. Interest that may be payable to the State, pursuant to P.L. 1987, c. 184 (c. 52:32-32 et.seq.), to the taxpayer shall be stayed.

"I HAVE BEEN ADVISED OF THIS NOTICE"

Company: _____

Signature: _____

Print or Type Name of Signer: _____

Print or Type Title of Signer: _____

Date: _____

END OF SECTION 6.0



OWNERSHIP DISCLOSURE FORM

STATE OF NEW JERSEY
DEPARTMENT OF THE TREASURY - DIVISION OF PURCHASE AND PROPERTY
33 WEST STATE STREET, P.O. BOX 230 TRENTON, NEW JERSEY 08625-0230

VENDOR NAME: _____

PURSUANT TO N.J.S.A. 52:25-24.2, ALL PARTIES ENTERING INTO A CONTRACT WITH THE STATE ARE REQUIRED TO PROVIDE A STATEMENT OF OWNERSHIP.
Please answer all questions and complete the information requested.

YES NO

1. The vendor is a **Non-Profit Entity**; and therefore, no disclosure is necessary.
2. The vendor is a **Sole Proprietor**; and therefore, no other disclosure is necessary.
A Sole Proprietor is a person who owns an unincorporated business by himself or her-self.
A limited liability company with a single member is not a Sole Proprietor.
3. The vendor is a **corporation, partnership, or limited liability company** with individuals, partners, members, stockholders, corporations, partnerships, or limited liability companies owning a 10% or greater interest; and therefore, disclosure is necessary.

If you answered **YES** to Question 3, you must disclose the information requested in the space below:*

- (a) the names and addresses of all stockholders in the corporation who own 10% or more of its stock, of any class;
- (b) all individual partners in the partnership who own a 10% or greater interest therein; or,
- (c) all members in the limited liability company who own a 10% or greater interest therein.

NAME	_____
ADDRESS	_____
ADDRESS	_____
CITY	STATE ZIP

NAME	_____
ADDRESS	_____
ADDRESS	_____
CITY	STATE ZIP

NAME	_____
ADDRESS	_____
ADDRESS	_____
CITY	STATE ZIP

NAME	_____
ADDRESS	_____
ADDRESS	_____
CITY	STATE ZIP

YES NO

4. For each of the corporations, partnerships, or limited liability companies identified in response to Question #3 above, are there any individuals, partners, members, stockholders, corporations, partnerships, or limited liability companies owning a 10% or greater interest of those listed business entities?

If you answered **YES** to Question 4, you must disclose the information requested in the space below:*

- (a) the names and addresses of all stockholders in the corporation who own 10% or more of its stock, of any class;
- (b) all individual partners in the partnership who own a 10% or greater interest therein; or,
- (c) all members in the limited liability company who own a 10% or greater interest therein. The disclosure(s) shall be continued until the names and addresses of every non-corporate stockholder, individual partner, and/or member a 10% or greater interest has been identified.

NAME	_____
ADDRESS	_____
ADDRESS	_____
CITY	STATE ZIP

NAME	_____
ADDRESS	_____
ADDRESS	_____
CITY	STATE ZIP

NAME	_____
ADDRESS	_____
ADDRESS	_____
CITY	STATE ZIP

NAME	_____
ADDRESS	_____
ADDRESS	_____
CITY	STATE ZIP

5. As an alternative to completing this form, a Vendor with any direct or indirect parent entity which is publicly traded, may submit the name and address of each publicly traded entity and the name and address of each person that holds a 10% or greater beneficial interest in the publicly traded entity as of the last annual filing with the federal Securities and Exchange Commission or the foreign equivalent, and, if there is any person that holds a 10% or greater beneficial interest, also shall submit links to the websites containing the last annual filings with the federal Securities and Exchange Commission or the foreign equivalent and the relevant page numbers of the filings that contain the information on each person that holds a 10% or greater beneficial interest.*

* Attach additional sheets if necessary

INFORMATION AND INSTRUCTIONS

For Completing the “Two-Year Vendor Certification and Disclosure of Political Contributions” Chapter 51 Form

Background Information

On September 22, 2004, then-Governor James E. McGreevey issued E.O. 134, the purpose of which was to insulate the negotiation and award of State contracts from political contributions that posed a risk of improper influence, purchase of access or the appearance thereof. To this end, E.O. 134 prohibited State departments, agencies and authorities from entering into contracts exceeding \$17,500 with individuals or entities that made certain political contributions. E.O. 134 was superseded by Public Law 2005, c. 51, signed into law on March 22, 2005 (“Chapter 51”).

On September 24, 2008, Governor Jon S. Corzine issued E.O. 117 which is designed to enhance New Jersey’s efforts to protect the integrity of procurement decisions and increase the public’s confidence in government. The Executive Order builds upon the provisions of Chapter 51.

Two-Year Certification Process

Upon approval by the State Chapter 51 Review Unit, the Certification and Disclosure of Political Contributions form is valid for a two (2) year period. Thus, if a vendor receives approval on January 1, 2014, the certification expiration date would be December 31, 2015. Any change in the vendor’s ownership status and/or political contributions during the two-year period will require the submission of new Chapter 51/Executive Order 117 forms to the State Review Unit. **Please note that it is the vendor’s responsibility to file new forms with the State should these changes occur.**

State Agency Instructions: Prior to the awarding of a contract, the State Agency should first use NJSTART (<https://www.njstart.gov/bso/>) to check the status of a vendor’s Chapter 51 certification before contacting the Review Unit’s mailbox at CD134@treas.nj.gov. If the State Agency does not find any Chapter 51 Certification information in NJSTART and/or the vendor is not registered in NJSTART, then the State Agency should send an e-mail to CD134@treas.nj.gov to verify the certification status of the vendor. If the response is that the vendor is NOT within an approved two-year period, then forms must be obtained from the vendor and forwarded for review. If the response is that the vendor is within an approved two-year period, then the response so stating should be placed with the bid/contract documentation for the subject project.

Instructions for Completing the Form

Part 1: BUSINESS ENTITY INFORMATION

Business Name – Enter the full legal name of the vendor, including trade name if applicable.

Address, City, State, Zip and Phone Number -- Enter the vendor's street address, city, state, zip code and telephone number.

Vendor Email – Enter the vendor’s primary email address.

Vendor FEIN – Please enter the vendor’s Federal Employment Identification Number.

Business Type - Check the appropriate box that represents the vendor's type of business formation.

Listing of officers, shareholders, partners or members - Based on the box checked for the business type, provide the corresponding information. (A complete list must be provided.)

Part 2: DISCLOSURE OF CONTRIBUTIONS

Read the three types of political contributions that require disclosure and, if applicable, provide the recipient's information. The definition of "Business Entity/Vendor" and "Contribution" can be found on pages 3 and 4 of this form.

Name of Recipient - Enter the full legal name of the recipient.

Address of Recipient - Enter the recipient's street address.

Date of Contribution - Indicate the date the contribution was given.

Amount of Contribution - Enter the dollar amount of the contribution.

Type of Contribution - Select the type of contribution from the examples given.

Contributor's Name - Enter the full name of the contributor.

Relationship of the Contributor to the Vendor - Indicate the relationship of the contributor to the vendor. (e.g. officer or shareholder of the company, partner, member, parent company of the vendor, subsidiary of the vendor, etc.)

NOTE: If form is being completed electronically, click "Add a Contribution" to enter additional contributions. Otherwise, please attach additional pages as necessary.

Check the box under the recipient information if no reportable contributions have been solicited or made by the business entity. **This box must be checked if there are no contributions to report.**

Part 3: CERTIFICATION

Check Box A if the representative completing the Certification and Disclosure form is doing so on behalf of the business entity and all individuals and/or entities whose contributions are attributable to the business entity.

(No additional Certification and Disclosure forms are required if BOX A is checked.)

Check Box B if the representative completing the Certification and Disclosure form is doing so on behalf of the business entity and all individuals and/or entities whose contributions are attributable to the business entity with the exception of those individuals and/or entities that submit their own separate form. For example, the representative is not signing on behalf of the vice president of a corporation, but all others. The vice president completes a separate Certification and Disclosure form. **(Additional Certification and Disclosure forms are required from those individuals and/or entities that the representative is not signing on behalf of and are included with the business entity's submittal.)**

Check Box C if the representative completing the Certification and Disclosure form is doing so on behalf of the business entity only. **(Additional Certification and Disclosure forms are required from all individuals and/or entities whose contributions are attributable to the business entity and must be included with the business entity submittal.)**

Check Box D when a sole proprietor is completing the Certification and Disclosure form or when an individual or entity whose contributions are attributable to the business entity is completing a separate Certification and Disclosure form.

Read the five statements of certification prior to signing.

The representative authorized to complete the Certification and Disclosure form must sign and print her/his name, title or position and enter the date.

State Agency Procedure for Submitting Form(s)

The State Agency should submit the completed and signed Two-Year Vendor Certification and Disclosure forms either electronically to: cd134@treas.nj.gov or regular mail at: Chapter 51 Review Unit, P.O. Box 230, 33 West State Street, Trenton, NJ 08625-0230. Original forms should remain with the State Agency and copies should be sent to the Chapter 51 Review Unit.

Business Entity Procedure for Submitting Form(s)

The business entity should return this form to the contracting State Agency.

The business entity can submit the Certification and Disclosure form directly to the Chapter 51 Review Unit only when:

- The business entity is approaching its two-year certification expiration date and is seeking certification renewal;
- The business entity had a change in its ownership structure; OR
- The business entity made any contributions during the period in which its last two-year certification was in effect, or during the term of a contract with a State Agency.

Questions & Information

Questions regarding Public Law 2005, Chapter 51 (N.J.S.A. 19:44A-20.13) or E.O. 117 (2008) may be submitted electronically through the Division of Purchase and Property website at: <https://www.state.nj.us/treas/purchase/eo134questions.shtml>.

Reference materials and forms are posted on the Political Contributions Compliance website at: <http://www.state.nj.us/treasury/purchase/execorder134.shtml>.



State of New Jersey
Department of the Treasury

Division of Purchase and Property

Two-Year Chapter 51/Executive Order 117 Vendor Certification and
Disclosure of Political Contributions

FOR STATE USE ONLY

Solicitation, RFP, or Contract No. _____ Award Amount _____

Description of Services _____

State Agency Name _____ Contact Person _____

Phone Number _____ Contact Email _____

☐ Check if the Contract / Agreement is Being Funded Using FHWA Funds

**Please check if requesting
recertification ☐**

Part 1: Business Entity Information

Full Legal Business Name _____
(Including trade name if applicable)

Address _____

City _____ State _____ Zip _____ Phone _____

Vendor Email _____ Vendor FEIN (SS# if sole proprietor/natural person) _____

**Check off the business type and list below the required information for the type of business selected.
MUST BE COMPLETED IN FULL**

- ☐ Corporation: LIST ALL OFFICERS and any 10% and greater shareholder (If the corporation only has one officer, please write "sole officer" after the officer's name.)
- ☐ Professional Corporation: LIST ALL OFFICERS and ALL SHAREHOLDERS
- ☐ Partnership: LIST ALL PARTNERS with any equity interest
- ☐ Limited Liability Company: LIST ALL MEMBERS with any equity interest
- ☐ Sole Proprietor

Note: "Officers" means President, Vice President with senior management responsibility, Secretary, Treasurer, Chief Executive Officer or Chief Financial Officer of a corporation, or any person routinely performing such functions for a corporation.

Also Note: "N/A will not be accepted as a valid response. Where applicable, indicate "None."

All Officers of a Corporation or PC

**10% and greater shareholders of a corporation
or all shareholders of a PC**

All Equity partners of a Partnership

All Equity members of a LLC

If you need additional space for listing of Officers, Shareholders, Partners or Members, please attach separate page.

Part 2: Disclosure of Contributions by the business entity or any person or entity whose contributions are attributable to the business entity.

- 1. Report below all contributions solicited or made during the 4 years immediately preceding the commencement of negotiations or submission of a proposal to any:**

Political organization organized under Section 527 of the Internal Revenue Code and which also meets the definition of a continuing political committee as defined in N.J.S.A. 19:44A-3(n)

- 2. Report below all contributions solicited or made during the 5 ½ years immediately preceding the commencement of negotiations or submission of a proposal to any:**

Candidate Committee for or Election Fund of any Gubernatorial or Lieutenant Gubernatorial candidate
State Political Party Committee
County Political Party Committee

- 3. Report below all contributions solicited or made during the 18 months immediately preceding the commencement of negotiations or submission of a proposal to any:**

Municipal Political Party Committee
Legislative Leadership Committee

Full Legal Name of Recipient _____

Address of Recipient _____

Date of Contribution _____ Amount of Contribution _____

Type of Contribution (i.e. currency, check, loan, in-kind) _____

Contributor Name _____

Relationship of Contributor to the Vendor _____

**If this form is not being completed electronically, please attach additional contributions on separate page.
Click the "Add a Contribution" tab to enter additional contributions.**

Remove Contribution

Add a Contribution

☐ **Check this box only if no political contributions have been solicited or made by the business entity or any person or entity whose contributions are attributable to the business entity.**

Part 3: Certification (Check one box only)

- (A) ☐ I am certifying on behalf of the business entity and all individuals and/or entities whose contributions are attributable to the business entity as listed on Page 1 under **Part 1: Vendor Information**.
- (B) ☐ I am certifying on behalf of the business entity and all individuals and/or entities whose contributions are attributable to the business entity as listed on Page 1 under **Part 1: Vendor Information**, except for the individuals and/or entities who are submitting separate Certification and Disclosure forms which are included with this submittal.
- (C) ☐ I am certifying on behalf of the business entity only; any remaining persons or entities whose contributions are attributable to the business entity (as listed on Page 1) have completed separate Certification and Disclosure forms which are included with this submittal.
- (D) ☐ I am certifying as an individual or entity whose contributions are attributable to the business entity.

I hereby certify as follows:

- 1. I have read the Information and Instructions accompanying this form prior to completing the certification on behalf of the business entity.**
- 2. All reportable contributions made by or attributable to the business entity have been listed above.**

3. The business entity has not knowingly solicited or made any contribution of money, pledge of contribution, including in-kind contributions, that would bar the award of a contract to the business entity unless otherwise disclosed above:

- a) Within the 18 months immediately preceding the commencement of negotiations or submission of a proposal for the contract or agreement to:
- (i) A candidate committee or election fund of any candidate for the public office of Governor or Lieutenant Governor or to a campaign committee or election fund of holder of public office of Governor or Lieutenant Governor; OR
 - (ii) Any State, County or Municipal political party committee; OR
 - (iii) Any Legislative Leadership committee.
- b) During the term of office of the current Governor or Lieutenant Governor to:
- (i) A candidate committee or election fund of a holder of the public office of Governor or Lieutenant Governor; OR
 - (ii) Any State or County political party committee of the political party that nominated the sitting Governor or Lieutenant Governor in the last gubernatorial election.
- c) Within the 18 months immediately preceding the last day of the sitting Governor or Lieutenant Governor's first term of office to:
- (i) A candidate committee or election fund of the incumbent Governor or Lieutenant Governor; OR
 - (ii) Any State or County political party committee of the political party that nominated the sitting Governor or Lieutenant Governor in the last gubernatorial election.

4. During the term of the contract/agreement the business entity has a continuing responsibility to report, by submitting a new Certification and Disclosure form, any contribution it solicits or makes to:

- (a) Any candidate committee or election fund of any candidate or holder of the public office of Governor or Lieutenant Governor; OR
- (b) Any State, County or Municipal political party committee; OR
- (c) Any Legislative Leadership committee.

The business entity further acknowledges that contributions solicited or made during the term of the contract/agreement may be determined to be a material breach of the contract/agreement.

5. During the two-year certification period the business entity will report any changes in its ownership structure (including the appointment of an officer within a corporation) by submitting a new Certification and Disclosure form indicating the new owner(s) and reporting said owner(s) contributions.

I certify that the foregoing statements in Parts 1, 2 and 3 are true. I am aware that if any of the statements are willfully false, I may be subject to punishment.

Signed Name _____ Print Name _____

Title/Position _____ Date _____

Procedure for Submitting Form(s)

The contracting State Agency should submit this form to the Chapter 51 Review Unit when it has been required as part of a contracting process. The contracting State Agency should submit a copy of the completed and signed form(s), to the Chapter 51 Unit and retain the original for their records.

The business entity should return this form to the contracting State Agency. The business entity can submit this form directly to the Chapter 51 Review Unit only when it -

- Is approaching its two-year certification expiration date and wishes to renew certification;
- Had a change in its ownership structure; OR
- Made any contributions during the period in which its last two-year certification was in effect, or during the term of a contract with a State Agency.

Forms should be submitted either electronically to: cd134@treas.nj.gov , or regular mail at: Chapter 51 Review Unit, P.O. Box 230, 33 West State Street, Trenton, NJ 08625.



MACBRIDE PRINCIPLES FORM

STATE OF NEW JERSEY
DEPARTMENT OF THE TREASURY - DIVISION OF PURCHASE AND PROPERTY
33 WEST STATE STREET, P.O. BOX 230 TRENTON, NEW JERSEY 08625-0230

BID SOLICITATION # AND TITLE: _____

VENDOR NAME: _____

Pursuant to Public Law 1995, c. 134, a responsible Vendor/Bidder is required to provide a certification in compliance with the MacBride Principles and Northern Ireland Act of 1989. Pursuant to N.J.S.A. 52:34-12.2, Vendor/Bidder must complete the certification below by checking one of the two options listed below and signing where indicated. If a Vendor/Bidder that would otherwise be awarded a purchase, contract or agreement does not complete the certification, then the Director may determine, in accordance with applicable law and rules, that it is in the best interest of the State to award the purchase, contract or agreement to another Vendor/Bidder that has completed the certification and has submitted a bid within five (5) percent of the most advantageous bid. If the Director finds contractors to be in violation of the principles that are the subject of this law, he/she shall take such action as may be appropriate and provided by law, rule or contract, including but not limited to, imposing sanctions, seeking compliance, recovering damages, declaring the party in default and seeking debarment or suspension of the party.

I, the undersigned, on behalf the Vendor/Bidder, certify pursuant to N.J.S.A. 52:34-12.2 that:

CHECK THE APPROPRIATE BOX

The Vendor/Bidder has no business operations in Northern Ireland; or

OR

The Vendor/Bidder will take lawful steps in good faith to conduct any business operations it has in Northern Ireland in accordance with the MacBride principles of nondiscrimination in employment as set forth in section 2 of P.L. 1987, c. 177 (N.J.S.A. 52:18A-89.5) and in conformance with the United Kingdom's Fair Employment (Northern Ireland) Act of 1989, and permit independent monitoring of its compliance with those principles.

CERTIFICATION

I, the undersigned, certify that I am authorized to execute this certification on behalf of the Vendor, that the foregoing information and any attachments hereto, to the best of my knowledge are true and complete. I acknowledge that the State of New Jersey is relying on the information contained herein, and that the Vendor is under a continuing obligation from the date of this certification through the completion of any contract(s) with the State to notify the State in writing of any changes to the information contained herein; that I am aware that it is a criminal offense to make a false statement or misrepresentation in this certification. If I do so, I may be subject to criminal prosecution under the law, and it will constitute a material breach of my contract(s) with the State, permitting the State to declare any contract(s) resulting from this certification void and unenforceable.

Signature

Date

Print Name and Title



DISCLOSURE OF INVESTMENT ACTIVITIES IN IRAN FORM

STATE OF NEW JERSEY
DEPARTMENT OF THE TREASURY - DIVISION OF PURCHASE AND PROPERTY
33 WEST STATE STREET, P.O. BOX 230 TRENTON, NEW JERSEY 08625-0230

BID SOLICITATION # AND TITLE: _____

VENDOR NAME: _____

Pursuant to N.J.S.A. 52:32-57, et seq. (P.L. 2012, c.25 and P.L. 2021, c.4) any person or entity that submits a bid or proposal or otherwise proposes to enter into or renew a contract must certify that neither the person nor entity, nor any of its parents, subsidiaries, or affiliates, is identified on the New Jersey Department of the Treasury's Chapter 25 List as a person or entity engaged in investment activities in Iran. The Chapter 25 list is found on the Division's website at <https://www.state.nj.us/treasury/purchase/pdf/Chapter25List.pdf>. Vendors/Bidders must review this list prior to completing the below certification. If the Director of the Division of Purchase and Property finds a person or entity to be in violation of the law, s/he shall take action as may be appropriate and provided by law, rule or contract, including but not limited to, imposing sanctions, seeking compliance, recovering damages, declaring the party in default and seeking debarment or suspension of the party.

CHECK THE APPROPRIATE BOX

I certify, pursuant to N.J.S.A. 52:32-57, et seq. (P.L. 2012, c.25 and P.L. 2021, c.4), that neither the Vendor/Bidder listed above nor any of its parents, subsidiaries, or affiliates is listed on the New Jersey Department of the Treasury's Chapter 25 List of entities determined to be engaged in prohibited activities in Iran.

OR

I am unable to certify as above because the Vendor/Bidder and/or one or more of its parents, subsidiaries, or affiliates is listed on the New Jersey Department of the Treasury's Chapter 25 List. I will provide a detailed, accurate and precise description of the activities of the Vendor/Bidder, or one of its parents, subsidiaries or affiliates, has engaged in regarding investment activities in Iran by completing the information requested below.

Entity Engaged in Investment Activities
Relationship to Vendor/ Bidder
Description of Activities

Duration of Engagement
Anticipated Cessation Date

**Attach Additional Sheets If Necessary.*

CERTIFICATION

I, the undersigned, certify that I am authorized to execute this certification on behalf of the Vendor, that the foregoing information and any attachments hereto, to the best of my knowledge are true and complete. I acknowledge that the State of New Jersey is relying on the information contained herein, and that the Vendor is under a continuing obligation from the date of this certification through the completion of any contract(s) with the State to notify the State in writing of any changes to the information contained herein; that I am aware that it is a criminal offense to make a false statement or misrepresentation in this certification. If I do so, I may be subject to criminal prosecution under the law, and it will constitute a material breach of my contract(s) with the State, permitting the State to declare any contract(s) resulting from this certification void and unenforceable.

Signature

Date

Print Name and Title



**CERTIFICATION OF NON-INVOLVEMENT IN PROHIBITED ACTIVITIES
IN RUSSIA OR BELARUS PURSUANT TO P.L.2022, c.3**

CONTRACT / BID SOLICITATION TITLE _____

CONTRACT / BID SOLICITATION No. _____

CHECK THE APPROPRIATE BOX

I, the undersigned, am authorized by the person or entity seeking to enter into or renew the contract identified above, to certify that the Vendor/Bidder is not engaged in prohibited activities in Russia or Belarus as such term is defined in [P.L.2022, c.3](#),¹ section 1.e, except as permitted by federal law.

I understand that if this statement is willfully false, I may be subject to penalty, as set forth in P.L.2022, c.3, section 1.d.

OR

I, the undersigned am unable to certify above because the person or entity seeking to enter into or renew the contract identified above, or one of its parents, subsidiaries, or affiliates may have engaged in prohibited activities in Russia or Belarus. A detailed, accurate and precise description of the activities is provided below.

Failure to provide such description will result in the Quote being rendered as non-responsive, and the Department/Division will not be permitted to contract with such person or entity, and if a Quote is accepted or contract is entered into without delivery of the certification, appropriate penalties, fines and/or sanctions will be assessed as provided by law.

Description of Prohibited Activity

Attach Additional Sheets If Necessary.

If you certify that the bidder is engaged in activities prohibited by P.L. 2022, c. 3, the bidder shall have 90 days to cease engaging in any prohibited activities and on or before the 90th day after this certification, shall provide an updated certification. If the bidder does not provide the updated certification or at that time cannot certify on behalf of the entity that it is not engaged in prohibited activities, the State shall not award the business entity any contracts, renew any contracts, and shall be required to terminate any contract(s) the business entity holds with the State that were issued on or after the effective date of P.L. 2022, c. 3.

Signature of Vendor's Authorized Representative

Date

Print Name and Title of Vendor's Authorized Representative

Vendor Name

Vendor Phone Number

Vendor Address (Street Address)

Vendor Fax Number

Vendor Address (City/State/Zip Code)

Vendor Email Address for Authorized Representative

¹ Engaged in prohibited activities in Russia or Belarus" means (1) companies in which the Government of Russia or Belarus has any direct equity share; (2) having any business operations commencing after the effective date of this act that involve contracts with or the provision of goods or services to the Government of Russia or Belarus; (3) being headquartered in Russia or having its principal place of business in Russia or Belarus, or (4) supporting, assisting or facilitating the Government of Russia or Belarus in their campaigns to invade the sovereign country of Ukraine, either through in-kind support or for profit.



SOURCE DISCLOSURE FORM

STATE OF NEW JERSEY
DEPARTMENT OF THE TREASURY - DIVISION OF PURCHASE AND PROPERTY
33 WEST STATE STREET, P.O. BOX 230 TRENTON, NEW JERSEY 08625-0230

BID SOLICITATION # AND TITLE: _____

VENDOR NAME: _____

The Vendor/Bidder submits this Form in response to a Bid Solicitation issued by the State of New Jersey, Department of the Treasury, Division of Purchase and Property, in accordance with the requirements of N.J.S.A. 52:34-13.2.

PART 1

All services will be performed by the Contractor and Subcontractors in the United States. Skip Part 2.

Services will be performed by the Contractor and/or Subcontractors outside of the United States. **Complete Part 2.**

PART 2

Where services will be performed outside of the United States, please list every country where services will be performed by the Contractor and all Subcontractors. If any of the services cannot be performed within the United States, the Contractor shall state, with specificity, the reasons why the services cannot be performed in the United States. The Director of the Division of Purchase and Property will review this justification and if deemed sufficient, the Director may seek the Treasurer's approval.

Name of Contractor / Sub-contractor	Performance Location by Country	Description of Service(s) to be Performed Outside of the United States *	Reason Why the Service(s) Cannot be Performed in the United States *

***Attach additional sheets if necessary to describe which service(s), if any, will be performed outside of the U.S. and the reason(s) why the service(s) cannot be performed in the U.S.**

Any changes to the information set forth in this Form during the term of any Contract awarded under the referenced Bid Solicitation or extension thereof shall be immediately reported by the Contractor to the Director of the Division of Purchase and Property. If during the term of the Contract, the Contractor shifts the location of services outside the United States, without a prior written determination by the Director, the Contractor shall be deemed in breach of Contract, and the Contract will be subject to termination for cause pursuant to the State of New Jersey Standard Terms and Conditions.

CERTIFICATION

I, the undersigned, certify that I am authorized to execute this certification on behalf of the Vendor, that the foregoing information and any attachments hereto, to the best of my knowledge are true and complete. I acknowledge that the State of New Jersey is relying on the information contained herein, and that the Vendor is under a continuing obligation from the date of this certification through the completion of any contract(s) with the State to notify the State in writing of any changes to the information contained herein; that I am aware that it is a criminal offense to make a false statement or misrepresentation in this certification. If I do so, I may be subject to criminal prosecution under the law, and it will constitute a material breach of my contract(s) with the State, permitting the State to declare any contract(s) resulting from this certification void and unenforceable.

Signature

Date

Print Name and Title



State of New Jersey

Department of Environmental Protection
Air Quality, Energy and Sustainability

Division of Air Quality

Bureau of Stationary Sources

401 E. State Street, 2nd Floor, P.O. Box 420, Mail Code 401-02
Trenton, NJ 08625-0420

PHILIP D. MURPHY
Governor

SHEILA Y. OLIVER
Lt. Governor

CATHERINE R. MCCABE
Commissioner

Air Pollution Control Operating Permit Renewal/Significant Modification

Permit Activity Number: BOP190001

Program Interest Number: 02844

Mailing Address	Plant Location
THOMAS R MARTURANO PE DIRECTOR NJ SPORTS & EXPOSITION AUTH 1 DE KORTE PARK PLAZA Lyndhurst, NJ 07071-9518	LANDFILL SITE 1E 100 Baler Blvd North Arlington Bergen County

Initial Operating Permit Approval Date: November 9, 2005
Operating Permit Approval Date: March 31, 2021
Operating Permit Expiration Date: November 8, 2025

AUTHORITY AND APPLICABILITY

The New Jersey Department of Environmental Protection (Department) approves and issues this Air Pollution Control Operating Permit under the authority of Chapter 106, P.L. 1967 (N.J.S.A. 26:2C-9.2). This permit is issued in accordance with the air pollution control permit provisions promulgated at Title V of the Federal Clean Air Act, 40 CFR 70, Air Pollution Control Act codified at N.J.S.A. 26:2C and New Jersey State regulations promulgated at N.J.A.C. 7:27-22.

The Department approves this operating permit based on the evaluation of the certified information provided in the permit application that all equipment and air pollution control devices regulated in this permit comply with all applicable State and Federal regulations. The facility shall be operated in accordance with the conditions of this permit. This operating permit supersedes any previous Air Pollution Control Operating Permits issued to this facility by the Department including any general operating permits, renewals, significant modifications, minor modifications, seven-day notice changes or administrative amendments to the permit.

Changes made through this permit activity are provided in the Reason for Application.

PERMIT SHIELD

This operating permit includes a permit shield, pursuant to the provisions of N.J.A.C. 7:27-22.17.

COMPLIANCE SCHEDULES

This operating permit does not include compliance schedules as part of the approved compliance plan.

COMPLIANCE CERTIFICATIONS AND DEVIATION REPORTS

The permittee shall submit to the Department and to United States Environmental Protection Agency (US EPA) periodic compliance certifications, in accordance with N.J.A.C. 7:27-22.19. **The annual compliance certification** is due to the Department and EPA within 60 days after the end of each calendar year during which this permit was in effect. **Semi-annual deviation reports** relating to compliance testing and monitoring are due to the Department within 30 days after the end of the semi-annual period. The schedule and additional details for these submittals are available in Subject Item - FC, of the Facility Specific Requirements of this permit.

ACCESSING PERMITS

The facility's current approved operating permit and any previously issued permits (e.g. superseded, expired, or terminated) are available for download in PDF format at: <http://www.nj.gov/dep/aqpp>. After accessing the website, click on "Approved Operating Permits" listed under "Reports" and then type in the Program Interest (PI) Number as instructed on the screen. If needed, the RADIUS file for your permit, containing Facility Specific Requirements (Compliance Plan), Inventories and Compliance Schedules can be obtained by contacting the Helpline number given below. RADIUS software, instructions, and help are available at the Department's website at <http://www.nj.gov/dep/aqpp>.

HELPLINE

The Operating Permit Helpline is available for any questions at (609) 633-8248 from 9:00 AM to 4:00 PM Monday to Friday.

RENEWING YOUR OPERATING PERMIT AND APPLICATION SHIELD

The permittee is responsible for submitting a timely and administratively complete operating permit renewal application pursuant to N.J.A.C. 7:27-22.30. Only applications which are timely and administratively complete are eligible for an application shield. The details on the contents of the renewal application, submittal schedule, and application shield are available in Section B - General Provisions and Authorities of this permit.

COMPLIANCE ASSURANCE MONITORING

Facilities that are subject to Compliance Assurance Monitoring (CAM), pursuant to 40 CFR 64, shall develop a CAM Plan for modified equipment as well as existing sources. The rule and guidance on how to prepare a CAM Plan can be found at EPA's website: <https://www.epa.gov/air-emissions-monitoring-knowledge-base/compliance-assurance-monitoring>. In addition, CAM Plans must be included as part of the permit renewal application. Facilities that do not submit a CAM Plan may have their permit applications denied, pursuant to N.J.A.C. 7:27-22.3.

ADMINISTRATIVE HEARING REQUEST

If, in your judgment, the Department is imposing any unreasonable condition of approval, you may contest the Department's decision and request an adjudicatory hearing pursuant to N.J.S.A. 52:14B-1 et seq. and N.J.A.C. 7:27-22.32(a). All requests for an adjudicatory hearing must be received in writing by the Department within 20 calendar days of the date you receive this letter. The request must contain the information specified in N.J.A.C. 7:27-1.32 and the information on the NJ04 - Administrative Hearing Request Checklist and Tracking Form available at <https://www.state.nj.us/dep/aqpp/applying.html>.

If you have any questions regarding this permit approval, please call Nipul Patel at (609) 777-2858.

Approved by:

Eleonora Kats

Eleonora Kats

Enclosure

CC: Suilin Chan, United States Environmental Protection Agency, Region 2

Facility Name: LANDFILL SITE 1E
Program Interest Number: 02844
Permit Activity Number: BOP190001

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Section A

Facility Name: LANDFILL SITE 1E

Program Interest Number: 02844

Permit Activity Number: BOP190001

POLLUTANT EMISSIONS SUMMARY

Table 1: Total emissions from all Significant Source Operations¹ at the facility.

Facility's Potential Emissions from all Significant Source Operations (tons per year)										
Source Categories	VOC (total)	NO _x	CO	SO ₂	TSP (total)	PM ₁₀ (total)	PM _{2.5} ² (total)	Pb	HAPs* (total)	CO ₂ e ³
Emission Units Summary	22.86	23.65	98.4	54.17	24.89	24.89	24.89	NA	8.19	
Batch Process Summary	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Group Summary	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Total Emissions	22.86	23.65	98.4	54.17	24.89	24.89	24.89	NA	8.19	45,583

Table 2: Estimate of total emissions from all Insignificant Source Operations¹ and total emissions from Non-Source Fugitives at the facility.

Emissions from all Insignificant Source Operations and Non-Source Fugitive Emissions (tons per year)									
Source Categories	VOC (total)	NO _x	CO	SO ₂	TSP (total)	PM ₁₀ (total)	PM _{2.5} ² (total)	Pb	HAPs (total)
Insignificant Source Operations	0.18	0.43	0.11	0.15	0.04	0.02	0.02	NA	0.013
Non-Source Fugitive Emissions ⁴	NA	NA	NA	NA	211.92	51.65	7.48	NA	NA

VOC: Volatile Organic Compounds

NO_x: Nitrogen Oxides

CO: Carbon Monoxide

SO₂: Sulfur Dioxide

N/A: Indicates the pollutant is not emitted or is emitted below the reporting threshold specified in N.J.A.C. 7:27-22, Appendix, Table A and N.J.A.C. 7:27-17.9(a).

TSP: Total Suspended Particulates

Other: Any other air contaminant

regulated under the Federal CAA

PM₁₀: Particulates under 10 microns

PM_{2.5}: Particulates under 2.5 microns

Pb: Lead

HAPs: Hazardous Air Pollutants

CO₂e: Carbon Dioxide equivalent

*Emissions of individual HAPs are provided in Table 3 on the next page.

Emissions of "Other" air contaminants are provided in Table 4 on the next page.

¹ Significant Source Operations and Insignificant Source Operations are defined at N.J.A.C. 7:27-22.1.

² PM_{2.5} has been included in air permitting rules as of December 9, 2017. Consequently, PM_{2.5} totals in this section may not be up to date. The Department is in the process of updating these limits during each permit modification, and the entire permit will be updated at the time of permit renewal.

³ Total CO₂e emissions for the facility that includes all Significant Source Operations (emission units, batch process, group) and Insignificant Source Operations.

⁴ Non-Source Fugitive Emissions are defined at N.J.A.C. 7:27-22.1 and are included if the facility falls into one or more categories listed at N.J.A.C. 7:27-22.2(a)2.

Section A

Facility Name: LANDFILL SITE 1E

Program Interest Number: 02844

Permit Activity Number: BOP190001

POLLUTANT EMISSIONS SUMMARY

Table 3: Summary of Hazardous Air Pollutants (HAP) Emissions from Significant Source Operations ⁵:

HAPS	TPY
Acrylonitrile	0.00089
HCl	6.31
Toluene	1.61
Vinyl chloride	0.033
2-Propanol	0.221

Table 4: Summary of “Other” air contaminants emissions from Significant Source Operations:

Other Air Contaminant	TPY
Methane	3702.0

⁵ Do not sum the values below for the purpose of establishing a total HAP potential to emit. See previous page for the allowable total HAP emissions.

Section B

Facility Name: LANDFILL SITE 1E

Program Interest Number: 02844

Permit Activity Number: BOP190001

GENERAL PROVISIONS AND AUTHORITIES

1. No permittee shall allow any air contaminant, including an air contaminant detectable by the sense of smell, to be present in the outdoor atmosphere in a quantity and duration which is, or tends to be, injurious to human health or welfare, animal or plant life or property, or which would unreasonably interfere with the enjoyment of life or property. This shall not include an air contaminant that occurs only in areas over which the permittee has exclusive use or occupancy. Requirements relative only to nuisance situations, including odors, are not considered federally enforceable. [N.J.A.C. 7:27-22.16(g)8]
2. Any deviation from operating permit requirements which results in a release of air contaminants shall be reported to the Department as follows:
 - a. If the air contaminants are released in a quantity or concentration which poses a potential threat to public health, welfare or the environment or which might reasonably result in citizen complaints, the permittee shall report the release to the Department:
 - i. Immediately on the Department hotline at 1-(877) 927-6337, pursuant to N.J.S.A. 26:2C-19(e); and
 - ii. As part of the compliance certification required in N.J.A.C. 7:27-22.19(f). However, if the deviation is identified through source emissions testing, it shall be reported through the source emissions testing and monitoring procedures at N.J.A.C. 7:27-22.18(e)3; or
 - b. If the air contaminants are released in a quantity or concentration which poses no potential threat to public health, welfare or the environment and which will not likely result in citizen complaints, the permittee shall report the release to the Department as part of the compliance certification required in N.J.A.C. 7:27-22.19(f), except for deviations identified by source emissions testing reports, which shall be reported through the procedures at N.J.A.C. 7:27-22.18(e)3; or
 - c. If the air contaminants are released in a quantity or concentration which poses no potential threat to public health, welfare or the environment and which will not likely result in citizen complaints, and the permittee intends to assert the affirmative defense afforded by N.J.A.C. 7:27-22.16(l), the violation shall be reported by 5:00 PM of the second full calendar day following the occurrence, or of becoming aware of the occurrence, consistent with N.J.A.C. 7:27-22.16(l). [N.J.A.C. 7:27-22.19(g)]
3. The permittee shall comply with all conditions of the operating permit including the approved compliance plan. Any non-compliance with a permit condition constitutes a violation of the New Jersey Air Pollution Control Act N.J.S.A. 26:2C-1 et seq., or the CAA, 42 U.S.C. §7401 et seq., or both, and is grounds for enforcement action; for termination, revocation and reissuance, or for modification of the operating permit; or for denial of an application for a renewal of the operating permit. [N.J.A.C. 7:27-22.16(g)1]
4. It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of its operating permit. [N.J.A.C. 7:27-22.16(g)2]
5. This operating permit may be modified, terminated, or revoked for cause by the EPA pursuant to 40 CFR 70.7(g) and revoked or reopened and modified for cause by the Department pursuant to N.J.A.C. 7:27-22.25. [N.J.A.C. 7:27-22.16(g)3]

6. The permittee shall furnish to the Department, within a reasonable time, any information that the Department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this operating permit; or to determine compliance with the operating permit. [N.J.A.C. 7:27-22.16(g)4]
7. The filing of an application for a modification of an operating permit, or of a notice of planned changes or anticipated non-compliance, does not stay any operating permit condition. [N.J.A.C. 7:27-22.16(g)5]
8. The operating permit does not convey any property rights of any sort, or any exclusive privilege. [N.J.A.C. 7:27-22.16(g)6]
9. Upon request, the permittee shall furnish to the Department copies of records required by the operating permit to be kept. [N.J.A.C. 7:27-22.16(g)7]
10. The Department and its authorized representatives shall have the right to enter and inspect any facility subject to N.J.A.C. 7:27-22, or portion thereof, pursuant to N.J.A.C. 7:27-1.31. [N.J.A.C. 7:27-22.16(g)9]
11. The permittee shall pay fees to the Department pursuant to N.J.A.C. 7:27. [N.J.A.C. 7:27-22.16(g)10]
12. Each permittee shall maintain records of all source emissions testing or monitoring performed at the facility and required by the operating permit in accordance with N.J.A.C. 7:27-22.19. Records shall be maintained, for at least five years from the date of each sample, measurement, or report. Each permittee shall maintain all other records required by this operating permit for a period of five years from the date each record is made. At a minimum, source emission testing or monitoring records shall contain the information specified at N.J.A.C. 7:27-22.19(b). [N.J.A.C. 7:27-22.19(a) and N.J.A.C. 7:27-22.19(b)]
13.
 - a. For emergencies (as defined at 40 CFR 70.6(g)(1)) that result in non-compliance with any promulgated federal technology-based standard such as NSPS, NESHAPS, or MACT, a federal affirmative defense is available, pursuant to 40 CFR 70. To assert a federal affirmative defense, the permittee must use the procedures set forth in 40 CFR 70. The affirmative defense provisions described below may not be applied to any situation that caused the Facility to exceed any federally delegated regulation, including but not limited to NSPS, NESHAP, or MACT.
 - b. For situations other than those covered above, an affirmative defense is available for a violation of a provision or condition of the operating permit only if:
 - i. The violation occurred as a result of an equipment malfunction, an equipment startup or shutdown, or during the performance of necessary equipment maintenance; and
 - ii. The affirmative defense is asserted and established as required by N.J.S.A. 26:2C-19.1 through 19.5 and any implementing rules. [N.J.A.C. 7:27-22.16(l)]
14. Each permittee shall meet all requirements of the approved source emissions testing and monitoring protocol during the term of the operating permit. Whenever the permittee makes a replacement, modification, change or repair of a certified CEMS or COMS that may significantly affect the ability of the system to accurately measure or record data, the permittee must recertify the CEMS or COMS in accordance with Section V.B. and Appendix E of Technical Manual 1005. The permittee is responsible for contacting the Emission Measurement Section to determine the need for recertification and/or to initiate the recertification process. The permittee is responsible for any downtime associated with the replacement, modification, change or repair of the CEMS or COMS. [N.J.A.C. 7:27-22.18(j)]
15. Each owner and each operator of any facility, source operation, or activity to which this permit applies is responsible for ensuring compliance with all requirements of N.J.A.C. 7:27-22. If the owner and operator are separate persons, or if there is more than one owner or operator, each owner and each operator is jointly and severally liable for any fees due under N.J.A.C. 7:27-22, and for any penalties for violation of N.J.A.C. 7:27-22. [N.J.A.C. 7:27-22.3]

16. In the event of a challenge to any part of this operating permit, all other parts of the permit shall continue to be valid. [N.J.A.C. 7:27-22.16(f)]
17. Unless specifically exempted from permitting, temporary mobile equipment for short-term activities may be periodically used at major facilities, on site for up to 90 days if the requirements listed below, (a) through (h) are satisfied.
 - a. The permittee will ensure that the temporary mobile equipment will not be installed permanently or used permanently on site.
 - b. The permittee will ensure that the temporary mobile equipment will not circumvent any State or Federal rules and regulations, even for a short period of time, and the subject equipment will comply with all applicable performance standards.
 - c. The permittee cannot use temporary mobile equipment unless the owner or operator of the subject equipment has obtained and maintains an approved Air Pollution Control Permit, issued pursuant to N.J.A.C. 7:27-8 or 22, prior to bringing the temporary mobile equipment to operate at the major facility.
 - d. The permittee is responsible for ensuring the temporary mobile equipment's compliance with the terms and conditions specified in its approved Air Pollution Control Permit when the temporary mobile equipment operates on the property of the permittee.
 - e. The permittee will ensure that temporary mobile equipment utilized for short-term activities will not operate on site for more than a total of 90 days during any calendar year.
 - f. The permittee will keep on site a list of temporary mobile equipment being used at the facility with the start date, end date, and record of the emissions from all such equipment (amount and type of each air contaminant) no later than 30 days after the temporary mobile equipment completed its job in accordance with N.J.A.C. 7:27-22.19(i)3.
 - g. Emissions from the temporary mobile equipment must be included in the emission netting analysis required of the permittee by N.J.A.C. 7:27-18.7. This information is maintained on site by the permittee and provided to the Department upon request in accordance with existing applicable requirements in the FC Section of its Title V permit.
 - h. Where short-term activities (employing temporary mobile equipment) will reoccur on at least an annual basis, the permittee is required to include such activities (and the associated equipment) within one year of the first use, in its Title V permit through the appropriate modification procedures.
18. The permittee shall ensure that no air contaminant is emitted from any significant source operation at a rate, calculated as the potential to emit, that exceeds the applicable threshold for reporting emissions set forth in the Appendix to N.J.A.C. 7:27-22 or 7:27-17.9(a), unless emission of the air contaminant is authorized by this operating permit. [N.J.A.C. 7:27-22.3(c)]
19. Consistent with the provisions of N.J.A.C. 7:27-22.3(e), the permittee shall ensure that all requirements of this operating permit are met. In the event that there are multiple emission limitations, monitoring, recordkeeping, and/or reporting requirements for a given source operation, the facility must comply with all requirements, including the most stringent.
20. Consistent with the provisions of N.J.A.C. 7:27-22.9(c), the permittee shall use monitoring of operating parameters, where required by the compliance plan, as a surrogate for direct emissions testing or monitoring, to demonstrate compliance with applicable requirements.
21. The permittee is responsible for submitting timely and administratively complete operating permit applications:

Administrative Amendments [N.J.A.C. 7:27-22.20(c)];
Seven-Day Notice changes [N.J.A.C. 7:27-22.22(e)];
Minor Modifications [N.J.A.C. 7:27-22.23(e)];
Significant Modifications [N.J.A.C. 7:27-22.24(e)]; and
Renewals [N.J.A.C. 7:27-22.30(b)].

22. The operating permit renewal application consists of a RADIUS application and the application attachment available at the Department's website <http://www.nj.gov/dep/agpp/applying.html> (Attachment to the RADIUS Operating Permit Renewal Application). Both the RADIUS application and the Application Attachment, along with any other supporting documents must be submitted using the Department's Portal at: <http://njdeponline.com/>. The application is considered timely if it is received at least 12 months before the expiration date of the operating permit. To be deemed administratively complete, the renewal application shall include all information required by the application form for the renewal and the information required pursuant to N.J.A.C. 7:27-22.30(d). However, consistent with N.J.A.C. 7:27-22.30(c), the permittee is encouraged to submit the renewal application at least 15 months prior to expiration of the operating permit, so that any deficiencies can be identified and addressed to ensure that the application is administratively complete by the renewal deadline. Only renewal applications which are timely and administratively complete are eligible for an application shield.
23. Except as allowed in Technical Manual 1005, or otherwise allowed by the Department in this permit or in written guidelines/ procedures issued or approved by the Department, process monitors required by the Compliance Plan included in this permit must be operated at all times when the associated process equipment is operating. The permittee must keep a service log to document any outage.
24. Consistent with the provisions of N.J.A.C. 7:27-22.3(s), Except as otherwise provided in this subchapter, the submittal of any information or application by a permittee including, but not limited to, an application or notice for any change to the operating permit, including any administrative amendment, any minor or significant modification, renewal, a notice of a seven-day notice change, a notice of past or anticipated noncompliance, does not stay any operating permit condition, nor relieve a permittee from the obligation to obtain other necessary permits and to comply with all applicable Federal, State, and local requirements.
25. For all source emissions testing performed at the facility, the phrase "worst case conditions without creating an unsafe condition" used in the enclosed compliance plan is consistent with EPA's National Stack Testing Guidance, dated April 27, 2009, where all source emission testing performed at the facility shall be under the representative (normal) conditions that:
 - i. Represent the range of combined process and control measure conditions under which the facility expects to operate (regardless of the frequency of the conditions); and
 - ii. Are likely to most challenge the emissions control measures of the facility with regard to meeting the applicable emission standards, but without creating an unsafe condition.
26. A Permittee may seek the approval of the Department for a delay in testing required pursuant to this permit by submitting a written request to the appropriate Regional Enforcement Office in accordance with N.J.A.C. 7:27-22.18(k). A Permittee may also seek advanced approval for a longer period for submittal of a source emissions test report required by the permit by submitting a request to the Department's Regional Enforcement Office in accordance with N.J.A.C. 7:27-22.19. [N.J.A.C. 7:27-22.18(k) and N.J.A.C. 7:27-22.19]
27. Applicable requirements derived from an existing or terminated consent decree with EPA will not be changed without advance consultation by the Department with EPA. N.J.A.C. 7:27-22.3(uu).

Section C

Facility Name: LANDFILL SITE 1E

Program Interest Number: 02844

Permit Activity Number: BOP190001

STATE-ONLY APPLICABLE REQUIREMENTS

N.J.A.C. 7:27-22.16(b)5 requires the Department to specifically designate as not being federally enforceable any permit conditions based only on applicable State requirements. The applicable State requirements to which this provision applies are listed in the table titled "State-Only Applicable Requirements."

STATE-ONLY APPLICABLE REQUIREMENTS

The following applicable requirements are not federally enforceable:

<u>SECTION</u>	<u>SUBJECT ITEM</u>	<u>ITEM #</u>	<u>REF. #</u>
B	---	1	---
B	---	13b	---
D	FC	---	3
D	FC	---	9

Section D

Facility Name: LANDFILL SITE 1E
Program Interest Number: 02844
Permit Activity Number: BOP190001

FACILITY SPECIFIC REQUIREMENTS AND INVENTORIES

FACILITY SPECIFIC REQUIREMENTS PAGE INDEX

<u>Subject Item and Name</u>	<u>Page Number</u>
------------------------------	--------------------

Facility (FC):

FC	1
----	---

Non-Source Fugitive Emissions (FG):

FG NJID	FG Description
FG1	Roads

Insignificant Sources (IS):

IS NJID	IS Description	
IS1	1,000 gallon above ground storage tank	5
IS2	2,000 gallon #2 oil storage tank	7
IS3	Space Heater - Kewanee, Model M-55-KO, 0.55 MMBtu/hr at Transfer Station	9

Emission Units (U):

U NJID	U Designation	U Description	
U1	Landfill	Closed Municipal Solid Waste Landfill Open Flare combusting untreated LFG	11
U2	Transfer Sta	Transfer Station with Space Heater (IS3)	23

**New Jersey Department of Environmental Protection
Reason for Application**

Permit Being Modified

Permit Class: BOP **Number:** 150001

- Description of Modifications:** 5-year renewal of the existing permit combined with modification application BOP180001.
1. Decommissioned the enclosed flare CD501 and transition to exclusive operation of the open flare CD502. Deleted Control Device CD501, U1/OS1 because of lack of landfill gas production. Removed PT1.
 2. Removed the provisions under 40 CFR 60 [New Source Performance Standards (NSPS Subpart WWW)] and [40 CFR 63 (National Emission Standards for Hazardous Air pollutants (NESHAPS)] per the EPA approval of Landfill 1E Gas Collection and Control System (GCCS) Removal dated 11/26/2019.
 3. Changes made in Emission Unit U1 due to using open flare (CD502):
 - a) OS Summary/Reference #7, change the emission limit for CO from 70.96 to 98.4 tons/yr.
 - b) OS Summary/Reference #13, change the emission limit for Methane from 3,627 to 3702 tons/yr.
 - c) OS Summary/Reference # 29, changed the landfill gas usage from 788,400 MMBtu/yr to 531,907 MMBtu/yr.
 - d) OS2/Reference #26/Applicable Requirement: Changed Max Gross Heat Input from 60 to 60.72 MMBtu/hr
 4. Emission Point Inventory - PT2 for Open Flare, Exhaust Volume is equal to 1140 ACFM, based on 19 ACFS.
 5. Revised contact information in the facility profile.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Subject Item: FC

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	General Provisions: The permittee shall comply with all applicable provisions of N.J.A.C. 7:27-1. [N.J.A.C. 7:27-1]	None.	None.	None.
2	Control and Prohibition of Open Burning: The permittee is prohibited from open burning of rubbish, garbage, trade waste, buildings, structures, leaves, other plant life and salvage. Open burning of infested plant life or dangerous material may only be performed with a permit from the Department. [N.J.A.C. 7:27-2]	None.	None.	Obtain an approved permit: Prior to occurrence of event (prior to open burning). [N.J.A.C. 7:27-2]
3	Prohibition of Air Pollution: The permittee shall not emit into the outdoor atmosphere substances in quantities that result in air pollution as defined at N.J.A.C. 7:27-5.1. [N.J.A.C. 7:27-5]	None.	None.	None.
4	Prevention and Control of Air Pollution Control Emergencies: Any person responsible for the operation of a source of air contamination set forth in Table 1 of N.J.A.C. 7:27-12 is required to prepare a written Standby Plan, consistent with good industrial practice and safe operating procedures, and be prepared for reducing the emission of air contaminants during periods of an air pollution alert, warning, or emergency. Any person who operates a source not set forth in Table 1 of N.J.A.C. 7:27-12 is not required to prepare such a plan unless requested by the Department in writing. [N.J.A.C. 7:27-12]	None.	None.	Comply with the requirement: Upon occurrence of event. Upon proclamation by the Governor of an air pollution alert, warning, or emergency, the permittee shall put the Standby Plan into effect. In addition, the permittee shall ensure that all of the applicable emission reduction objectives of N.J.A.C. 7:27-12.4, Table I, II, and III are complied with whenever there is an air pollution alert, warning, or emergency. [N.J.A.C. 7:27-12]
5	Emission Offset Rules: The permittee shall comply with all applicable provisions of Emission Offset Rules. [N.J.A.C. 7:27-18]	None.	None.	None.
6	Emission Statements: The permittee shall comply with all the applicable provisions of N.J.A.C. 7:27-21. [N.J.A.C. 7:27-21]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	Compliance Certification: The permittee shall submit an annual Compliance Certification for each applicable requirement, pursuant to N.J.A.C. 7:27-22.19(f). [N.J.A.C. 7:27-22]	None.	None.	Submit an Annual Compliance Certification: Annually to the Department and to EPA within 60 days after the end of each calendar year during which this permit was in effect. The Compliance Certification shall be certified pursuant to N.J.A.C. 7:27-1.39 by the responsible official and submitted electronically through the NJDEP online web portal. The certification should be printed for submission to EPA. The NJDEP online web portal can be accessed at: http://www.state.nj.us/dep/online/ . The Compliance Certification forms and instructions for submitting to EPA are available by selecting Documents and Forms and then Periodic Compliance Certification. [N.J.A.C. 7:27-22]
8	Prevention of Air Pollution from Consumer Products and Architectural Coatings: The permittee shall comply with all applicable provisions of N.J.A.C. 7:27-24 and [N.J.A.C. 7:27-23]	None.	None.	None.
9	Any operation of equipment which causes off-property effects, including odors, or which might reasonably result in citizen's complaints shall be reported to the Department to the extent required by the Air Pollution Control Act, N.J.S.A. 26:2C-19(e). [N.J.S.A. 26: 2C-19(e)]	Other: Observation of plant operations. [N.J.S.A. 26: 2C-19(e)].	Other: Maintain a copy of all information submitted to the Department. [N.J.S.A. 26: 2C-19(e)].	Notify by phone: Upon occurrence of event. A person who causes a release of air contaminants in a quantity or concentration which poses a potential threat to public health, welfare or the environment or which might reasonably result in citizen complaints shall immediately notify the Department. Such notification shall be made by calling the Environmental Action Hotline at (877) 927-6337. [N.J.S.A. 26: 2C-19(e)]
10	Prevention of Significant Deterioration: The permittee shall comply with all applicable provisions of Prevention of Significant Deterioration (PSD). [40 CFR 52.21]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
11	The permittee shall comply with all applicable provisions of National Emission Standards for Hazardous Air Pollutants (NESHAPS) for Asbestos, Subpart M. [40 CFR 61]	Other: Comply with 40 CFR 61.145 and 61.150 when conducting any renovation or demolition activities at the facility. [40 CFR 61].	Other: Comply with 40 CFR 61.153 when conducting any renovation or demolition activities at the facility. [40 CFR 61].	Comply with the requirement: Upon occurrence of event. The permittee shall comply with 40 CFR 61.153 when conducting any renovation or demolition activities at the facility. [40 CFR 61]
12	Protection of Stratospheric Ozone: 1) If the permittee manufactures, transforms, destroys, imports, or exports a Class I or Class II substance, the permittee is subject to all the requirements as specified at 40 CFR 82, Subpart A; 2) If the permittee performs a service on motor "fleet" vehicles when this service involves an ozone depleting substance refrigerant (or regulated substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified at 40 CFR 82, Subpart B. 3) The permittee shall comply with the standards for labeling of products containing or manufactured with ozone depleting substances pursuant to 40 CFR 82, Subpart E. 4) The permittee shall comply with the standards for recycling and emission reductions of Class I and Class II refrigerants or a regulated substitute substance during the service, maintenance, repair, and disposal of appliances pursuant to 40 CFR 82, Subpart F, except as provided for motor vehicle air conditioners (MVACs) in Subpart B. 5) The permittee shall be allowed to switch from any ozone depleting substance to any alternative that is listed in the Significant New Alternative Program (SNAP) promulgated pursuant to 40 CFR 82, Subpart G. [40 CFR 82]	Other: Comply with 40 CFR 82 Subparts A, B, E, F, and G. [40 CFR 82].	Other: Comply with 40 CFR 82 Subparts A, B, E, F, and G. [40 CFR 82].	Comply with the requirement: Upon occurrence of event. The permittee shall comply with 40 CFR 82 Subparts A, B, E, F, and G. [40 CFR 82]

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
13	Deviation Reports: The permittee shall submit to the Department a certified six-month Deviation Report relating to testing and monitoring required by the operating permit. [N.J.A.C. 7:27-22.19(d)3]. [N.J.A.C. 7:27-22.19(e)], and [N.J.A.C. 7:27-22.19(e)]	None.	Other: The permittee shall maintain deviation reports for a period of five years from the date each report is submitted to the Department. [N.J.A.C. 7:27-22.19(a)] and [N.J.A.C. 7:27-22.19(e)].	Submit a report: As per the approved schedule. The six-month deviation reports for the period from January 1 through June 30 shall be submitted by July 30 of the same calendar year, and for the period from July 1 through December 31, shall be submitted by January 30 of the following calendar year. The annual compliance certification required by N.J.A.C. 7:27-22.19(f) may also be considered as your six-month Deviation Report for the period from July 1 – December 31, if submitted by January 30 of the following calendar year. The reports shall be certified pursuant to N.J.A.C. 7:27-1.39 by the responsible official and submitted electronically through the NJDEP online web portal. The NJDEP online web portal can be accessed at: http://www.state.nj.us/dep/online/ . The Compliance Certification forms are available by selecting Documents and Forms and then Periodic Compliance Certification. [N.J.A.C. 7:27-22]
14	Used Oil Combustion: No person shall combust used oil except as authorized pursuant to N.J.A.C. 7:27-20. [N.J.A.C. 7:27-20.2]	None.	None.	Comply with the requirement: Prior to occurrence of event (prior to burning used oil) either register with the Department pursuant to N.J.A.C. 7:27-20.3 or obtain a permit issued by the Department pursuant to N.J.A.C. 7:27-8 or 7:27-22, whichever is applicable. [N.J.A.C. 7:27-20.2(d)]
15	Prevention of Accidental Releases: Facilities producing, processing, handling or storing a chemical, listed in the tables of 40 CFR Part 68.130, and present in a process in a quantity greater than the listed Threshold Quantity, shall comply with all applicable provisions of 40 CFR 68. [40 CFR 68]	Other: Comply with 40 CFR 68. [40 CFR 68].	Other: Comply with 40 CFR 68. [40 CFR 68].	Other (provide description): Other. Comply with 40 CFR 68 as described in the Applicable Requirement. [40 CFR 68]

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
16	The Department and its authorized representatives shall have the right to enter and inspect any activity subject to N.J.A.C. 7:27-22, or portion thereof, pursuant to N.J.A.C. 7:27-1.31. [N.J.A.C. 7:27-22.16(g)9]	None.	None.	None.
17	The permittee shall pay fees to the Department pursuant to N.J.A.C. 7:27. [N.J.A.C. 7:27-22.16(g)10]	None.	None.	None.
18	Each permittee shall meet all requirements of the approved source emissions testing and monitoring protocol during the term of the operating permit. Whenever the permittee makes a replacement, modification, change or repair of a certified CEMS or COMS that may significantly affect the ability of the system to accurately measure or record data, the permittee must recertify the CEMS or COMS in accordance with Section V.B. and Appendix E of Technical Manual 1005. The permittee is responsible for any downtime associated with the replacement, modification, change or repair of the CEMS or COMS. [N.J.A.C. 7:27-22.18(j)]	None.	None.	Comply with the requirement: Upon occurrence of event. The permittee is responsible for contacting the Emission Measurement Section to determine the need for recertification and/or to initiate the recertification process. [N.J.A.C. 7:27-22.18(i)]
19	Each process monitor must be operated at all times when the associated process equipment is operating except during service outage time not to exceed 24 hours per calendar quarter. [N.J.A.C. 7:27-22.16(a)]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The permittee must keep a service log to document any outage. [N.J.A.C. 7:27-22.16(o)]	None.
20	Continuous recording for process monitors must be at a sufficient frequency and resolution to be able to document compliance or non-compliance in accordance with Technical Manual 1005 for CEMS (TM1005(B)3). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Subject Item: IS1 1,000 gallon diesel fuel oil above ground storage tank

Ref#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Sulfur Content in Fuel \leq 15 ppmw (0.0015% by weight). [N.J.A.C. 7:27-9.2(a)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading / certificate of analysis per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	None.
2	Fuel stored in New Jersey that met the applicable maximum sulfur content standard of Tables 1A or 1B of N.J.A.C. 7:27-9.2 at the time it was stored in New Jersey may be used in New Jersey after the operative date of the applicable standard in Table 1B. [N.J.A.C. 7:27-9.2(a)]	None.	None.	None.
3	Storage tank contents limited to diesel fuel oil. [N.J.A.C. 7:27-22.16(a)]	Monitored by review of fuel delivery records per delivery. [N.J.A.C. 7:27-22.16(o)]	None.	None.
4	The tank shall have no visible emissions, exclusive of water vapor, to the outdoor atmosphere. [N.J.A.C. 7:27-22.1]	None.	None.	None.
5	The tank shall not emit any air contaminants which may cause an odor detectable outside the property boundaries of the facility. [N.J.A.C. 7:27-22.1]	None.	None.	None.
6	The tank shall not qualify for any NESHAPS, MACT, or NSPS air pollution control standards, excluding the NSPS requirements to maintain a record of the contents of the tank, the period of storage of these contents, and the maximum true vapor pressure of the liquid stored. [N.J.A.C. 7:27-22.1]	None.	None.	None.
7	The percentage by weight of all HAPs collectively in the raw material stored in the tank shall be less than 1.0 percent. [N.J.A.C. 7:27-22.1]	None.	None.	None.
8	The operating temperature of the tank shall not be greater than 350 degrees F. [N.J.A.C. 7:27-22.1]	None.	None.	None.

IS1 1,000 gallon diesel fuel oil above ground storage tank

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
9	The vapor pressure of the liquid, excluding the vapor pressure of water, shall be less than 0.02 psia at the liquid's actual temperature or at 70 degrees F, whichever is higher. [N.J.A.C. 7:27-22.1]	None.	None.	None.
10	The tank's or vessel's potential to emit each TXS and each HAP shall not exceed the reporting thresholds at N.J.A.C. 7:27-17.9(a). [N.J.A.C. 7:27-22.1]	None.	None.	None.
11	The owner or operator shall have readily available upon Department request a statement certified in accordance with N.J.A.C. 7:27-1.39, signed by the responsible official, as defined at N.J.A.C. 7:27-1.4, that: (1) specifies the contents of the tank; (2) affirms that the tank or vessel meets the above applicable requirements and (3) attests that the tank or vessel is in compliance with all other applicable State or federal air pollution requirements. [N.J.A.C. 7:27-22.1]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Subject Item: IS2 2,000 gallon #2 oil storage tank

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Sulfur Content in Fuel \leq 15 ppmw (0.0015% by weight). [N.J.A.C. 7:27-9.2(a)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading / certificate of analysis per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	None.
2	Fuel stored in New Jersey that met the applicable maximum sulfur content standard of Tables 1A or 1B of N.J.A.C. 7:27-9.2 at the time it was stored in New Jersey may be used in New Jersey after the operative date of the applicable standard in Table 1B. [N.J.A.C. 7:27-9.2(a)]	None.	None.	None.
3	Storage tank contents limited to diesel fuel oil. [N.J.A.C. 7:27-22.16(a)]	Monitored by review of fuel delivery records per delivery. [N.J.A.C. 7:27-22.16(o)]	None.	None.
4	For tanks greater than 2,000 gallons, the vapor pressure of the liquid, excluding the vapor pressure of water, shall be less than 0.02 psia at the liquid's actual temperature or at 70 degrees F, whichever is higher. [N.J.A.C. 7:27-22.1]	None.	None.	None.
5	The tank shall have no visible emissions, exclusive of water vapor, to the outdoor atmosphere. [N.J.A.C. 7:27-22.1]	None.	None.	None.
6	The tank shall not emit any air contaminants which may cause an odor detectable outside the property boundaries of the facility. [N.J.A.C. 7:27-22.1]	None.	None.	None.
7	The tank shall not qualify for any NESHAPS, MACT, or NSPS air pollution control standards, excluding the NSPS requirements to maintain a record of the contents of the tank, the period of storage of these contents, and the maximum true vapor pressure of the liquid stored. [N.J.A.C. 7:27-22.1]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
8	The percentage by weight of all HAPs collectively in the raw material stored in the tank shall be less than 1.0 percent. [N.J.A.C. 7:27-22.1]	None.	None.	None.
9	The operating temperature of the tank shall not be greater than 350 degrees F. [N.J.A.C. 7:27-22.1]	None.	None.	None.
10	The tank's or vessel's potential to emit each TXS and each HAP shall not exceed the reporting thresholds at N.J.A.C. 7:27-17.9(a). [N.J.A.C. 7:27-22.1]	None.	None.	None.
11	The owner or operator shall have readily available upon Department request a statement certified in accordance with N.J.A.C. 7:27-1.39, signed by the responsible official, as defined at N.J.A.C. 7:27-1.4, that: (1) specifies the contents of the tank; (2) affirms that the tank or vessel meets the above applicable requirements and (3) attests that the tank or vessel is in compliance with all other applicable State or federal air pollution requirements. [N.J.A.C. 7:27-22.1]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Subject Item: IS3 Space Heater - Kewanee, Model M-55-KO, 0.55 MMBtu/hr at Transfer Station

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	No visible emissions except for a period of not longer than three minutes in any consecutive 30-minute period. [N.J.A.C. 7:27- 3.2(a)]	Other: Periodic visual inspections. [N.J.A.C. 7:27-22.16(o)].	None.	None.
2	Sulfur Content in Fuel <= 15 ppmw (0.0015% by weight). [N.J.A.C. 7:27-9.2(a)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading / certificate of analysis per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	None.
3	Fuel stored in New Jersey that met the applicable maximum sulfur content standard of Tables 1A or 1B of N.J.A.C. 7:27-9.2 at the time it was stored in New Jersey may be used in New Jersey after the operative date of the applicable standard in Table 1B. [N.J.A.C. 7:27- 9.2(a)]	None.	None.	None.
4	Storage tank contents limited to fuel oil. [N.J.A.C. 7:27-22.16(a)]	Monitored by review of fuel delivery records per delivery. [N.J.A.C. 7:27-22.16(o)]	None.	None.
5	Fuel Oil Usage <= 42,924 gal/yr. [N.J.A.C. 7:27-22.16(a)]	Fuel Oil Usage: Monitored by fuel usage totalizing meter annually. [N.J.A.C. 7:27-22.16(o)]	Fuel Oil Usage: Recordkeeping by manual logging of parameter or storing data in a computer data system annually. [N.J.A.C. 7:27-22.16(o)]	None.
6	NOx (Total) <= 0.1 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	NOx (Total) <= 0.43 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: U1 Closed Municipal Solid Waste Landfill with Open Flare combusting untreated LFG
Operating Scenario: OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	<p>GAS SAMPLING & ANALYSIS FOR OPEN FLARE:</p> <p>Landfill gas shall be sampled at the landfill gas header pipe prior to the flare inlet, and analyzed by the permittee to demonstrate compliance with emission limits for Methane, H₂S, Acrylonitrile, Benzene; 1,1 Dichloroethane, 1,4 Dichlorobenzene, Ethylene Dibromide; Ethanol, Ethylbenzene, Ethylene Dichloride; Methylene Chloride; Methyl ethyl ketone, Propane, 2-Propanol, 1,1,2,2-Tetrachloroethane; Trichloroethylene; Toluene, Trichloroethylene and Vinyl chloride as specified in the compliance plan for U1/OS2, in accordance with any appropriate testing methods/instruments approved by EPA, NJState or ASTM, at least 18 months prior to the expiration of the renewed operating permit</p> <p>You may use 98% NMOC destruction efficiency for the use of flare. [N.J.A.C. 7:27-22.16(a)]</p>	Other: Landfill gas sampling and analysis, as specified.[N.J.A.C. 7:27-22.16(o)].	Recordkeeping by certified lab analysis results prior to permit expiration date. [N.J.A.C. 7:27-22.16(o)]	Submit test results: As per the approved schedule , conduct gas sampling and analysis by certified laboratory as per specified schedule, and submit certified test results/report to appropriate Regional Enforcement Office within 30 days from the test date. [N.J.A.C. 7:27-22.16(o)]

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Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
2	Minimum VOC Destruction and Removal Efficiency $\geq 95\%$ design. The flare shall be installed, operated and maintained in accordance with the specification provided by the manufacturer of the flare. [N.J.A.C. 7:27-16.13(a)]	Other: Compliance with the applicable requirement shall be determined by annual inspections. The results of the annual inspection and necessary adjustments to the flare will ensure that the minimum VOC destruction and removal efficiency requirements are met. The owner or operator shall inspect the flare before May of each year to verify that the flare continues to be operated in accordance with the manufacturer's specification for the operation of the flare. [N.J.A.C. 7:27-16.13(c)]	Other: Recordkeeping by documenting the results of the annual inspections. The owner of operator shall record the following for each inspection: date of inspection, name of person conducting inspection, entry indicating which flare was inspected, any changes or adjustments made to flare as a result of inspection and a statement that the flare is currently being operated in compliance with manufacturer's specifications. [N.J.A.C. 7:27-16.13(c)].	None.
3	The owner or operator shall inspect the open flare before May 1 annually to verify that the flare continue to be operated in accordance with the manufacturer's specifications for the operation of the open flare. [N.J.A.C. 7:27-16.13(c)]	Other: Monitored by flare inspection once per year. [N.J.A.C. 7:27-16.13(c)].	Recordkeeping by manual logging of parameter or storing data in a computer data system annually. The owner or operator shall record the following at the conclusion of each inspection: (1) name of person conducting the inspection; (2) date on which the inspection was conducted; (3) an entry indicating which flare was inspected; (4) any changes or adjustments made to the flare as a result of the inspection; and (5) a statement stating that the flare is currently being operated in compliance with the manufacturer's specifications. [N.J.A.C. 7:27-16.13(c)]	None.
4	CO ≤ 98.4 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	NOx (Total) ≤ 23.65 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	VOC (Total) ≤ 22.86 tons/yr based on the annual landfill gas usage. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	VOC (Total) ≤ 1.26 tons/yr uncollected emission limit from the Landfill. Annual emissions limit is based on annual gas generation and based on assumed 75% collection system efficiency. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

U1 Closed Municipal Solid Waste Landfill with Open Flare combusting untre:

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
8	SO ₂ ≤ 54.01 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	SO ₂ ≤ 310 ppmvd @ 12% CO ₂ . [N.J.A.C. 7:27- 9.2(e)]	None.	None.	None.
10	TSP ≤ 21.68 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
11	PM-10 (Total) ≤ 21.68 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
12	PM-2.5 (Total) ≤ 21.68 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
13	Hydrogen chloride ≤ 6.31 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
14	H ₂ S ≤ 2.67 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
15	H ₂ S ≤ 200 ppmv in landfill gas. [N.J.A.C. 7:27-22.16(a)]	<p>H₂S: Monitored by periodic emission monitoring quarterly: once per quarter; quarters shall begin on January 1, April 1, July 1, and October 1 of each year.</p> <p>If after 4 quarters of sampling, the landfill gas quality does not exceed applicable thresholds, sampling and analysis will be conducted on an annual basis. The Department reserves the right to change the frequency of sampling based on a review of the lab analysis results. [N.J.A.C. 7:27-22.16(o)]</p>	<p>H₂S: Recordkeeping by certified lab analysis results quarterly: once per quarter; quarters shall begin on January 1, April 1, July 1, and October 1 of each year. [N.J.A.C. 7:27-22.16(o)]</p>	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
16	H2S <= 30 ppbv averaged over any 30-minute period at or beyond the property line of the landfill. [N.J.A.C. 7:27- 7.3]	Monitored by periodic emission monitoring quarterly: once per quarter; quarters shall begin on January 1, April 1, July 1, and October 1 of each year. 1. Periodic emission monitoring system approved, by Department's Bureau of Air Monitoring, shall be used to obtain a 30-minute average (5-minute block basis) reading. 2. Monitoring shall be performed downwind of the landfill at the property's fence line. If after 4 quarters of monitoring the landfill gas quality does not exceed applicable thresholds, monitoring will be conducted on an annual basis. The Department reserves the right to change the frequency of sampling based on a review of the lab analysis results. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. Record Date, Time, Name of Persons conducting monitoring, Wind Speed, Wind Direction, Location of Measurement and H2S concentrations. The facility must keep records for 5 years and shall be readily available upon the Department's request. [N.J.A.C. 7:27-22.16(o)]	Submit an equipment protocol: Within 30 days from the date of the approved permit, submit emissions monitoring protocol to the Bureau of Air Monitoring, 401 E. State Street, P.O. Box 420, Mail Code 401-07H, Trenton, NJ 08625-0420, for review and approval. The Guidance document can be found at NJDEP website at the following link: http://www.state.nj.us/dep/acpp/permitguide/FencelineMonitoringPlanGuidance2018.pdf The applicant shall begin the H2S periodic emissions monitoring within 90 days of protocol approval by the Department. If the H2S ambient concentration at the facility's fence line exceeds 30 ppbv, contact the NJDEP Hotline at 1-877-927-6337 immediately. [N.J.A.C. 7:27-22.16(o)]
17	Methane <= 3,702 tons/yr. Uncollected emissions from the landfill, based on assumed 75% collection system efficiency. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
18	Acrylonitrile <= 0.00089 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
19	Ethylbenzene <= 0.336 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
20	Methyl ethyl ketone (MEK) <= 0.426 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
21	2-Propanol <= 0.221 tons/yr [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
22	Toluene <= 1.61 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
23	Vinyl chloride <= 0.033 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
24	Greenhouse gases as CO2e <= 45,583 tons/yr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

U1 Closed Municipal Solid Waste Landfill with Open Flare combusting untre:

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
25	Landfill Gas Usage $\leq 531,907$ MMBtu/year. Total cumulative landfill gas flow to open flare in any calendar year. The gas usage was reduced from 788,400 MMBtu/year to 531,907 MMBtu/yr. [N.J.A.C. 7:27-22.16(a)]	Monitored by fuel flow/firing rate instrument continuously and measuring higher heating value of the landfill gas by plant personnel every shift. The flow rate monitoring system shall: (1) correct and report from actual to standard cubic feet; (2) be installed and operated in accordance with the manufacturer's specifications; (3) be equipped with a totalizer to continuously monitor the cumulative amount of landfill gas directed to the flare in scf; and (4) If a mass flowmeter is used, the readout shall be in scfm as total scf each calendar year. Total annual heat input during any consecutive 12-month period shall be calculated by adding the total heat input for a given month to the total heat input during the preceding 11-month period. Monthly MMBTU fuel use shall be calculated using the following formula: $(\text{MMBTU}(\text{HHV})/\text{Month}) = [(\text{Y} \text{ MMBTU}/\text{MMscf}) \times (\text{MMscf of landfill gas consumed by the flare per month})]$ Y = Heating Value of Landfill Gas (monthly average of higher heating value of the landfill gas as measured by plant personnel every shift. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by data acquisition system (DAS) / electronic data storage continuously for gas flow rate and once per shift for heat content of the landfill gas. [N.J.A.C. 7:27-22.16(o)]	None.
26	The landfill gas collection system shall be operated and maintained in a manner that is consistent with the closure plan for the NJMC 1-E Landfill approved by the NJDEP. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
27	No direct release of landfill gas into the atmosphere is permitted from LFG pipes following collection, prior to combustion in the flare (or without combustion in the flare). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
28	The permittee may replace any non-performing GCCS well with a newly installed and adjacent GCCS well upon a written notice to USEPA and NJDEP and without further approval. A newly installed GCCS well is adjacent to a non-performing GCCS well if it is located such that it has a radius of influence that covers at least 90 percent of the radius of influence of the non-performing GCCS well. [N.J.A.C. 7:27-22.3(uu)] and [N.J.A.C. 7:27-22.16(a)]	None.	None.	Comply with the requirement: Upon occurrence of event. Submit a written notice to EPA and NJDEP when replacing any non-performing GCCS well with a newly installed and adjacent GCCS well. [N.J.A.C. 7:27-22.16(o)]

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: U1 Closed Municipal Solid Waste Landfill with Open Flare combusting untreated LFG
Operating Scenario: OS2 Open Flare (LFG Specialties Model CF 40112, 2000 SCFM) combusting untreated LFG

Ref#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	SO2 <= 33 lb/hr , in any 60-minute period. [N.J.A.C. 7:27- 7.2(b)2]	None.	None.	None.
2	SO2 <= 66 lb/hr , at any instant. [N.J.A.C. 7:27- 7.2(b)2]	None.	None.	None.
3	The flare shall be designed to reduce the concentration of VOC by no less than 95%. The flare shall be installed, operated and maintained in accordance with the specifications provided by the manufacturer. [N.J.A.C. 7:27-16.13(a)]	Other: Compliance with the applicable requirement shall be determined by annual inspections. The results of the annual inspection and necessary adjustments to the flare will ensure that the minimum VOC destruction and removal efficiency requirements are met. The owner or operator shall inspect the flare before May of each year to verify that the flare continues to be operated in accordance with the manufacturer's specification for the operation of the flare.[N.J.A.C. 7:27-16.13(c)].	Recordkeeping by manual logging of parameter or storing data in a computer data system annually The owner of operator shall record the following for each inspection: date of inspection, name of person conducting inspection, entry indicating which flare was inspected, any changes or adjustments made to flare as a result of inspection and a statement that the flare is currently being operated in compliance with manufacturer's specifications. [N.J.A.C. 7:27-16.13(c)]	None.
4	SO2 <= 8.22 lb/hr. [N.J.A.C. 7:27-22.16(a)]	SO2: Monitored by gas sampling prior to permit expiration date. [N.J.A.C. 7:27-22.16(o)]	SO2: Recordkeeping by certified lab analysis results prior to permit expiration date. [N.J.A.C. 7:27-22.16(o)]	Submit a report: As per the approved schedule to appropriate Enforcement Regional Office for their review, evaluation and determination. [N.J.A.C. 7:27-22.16(o)]
5	Methane <= 0.428 lb/hr based on a methane combustion efficiency of 99.98%. [N.J.A.C. 7:27-22.16(a)]	Methane: Monitored by gas sampling prior to permit expiration date. [N.J.A.C. 7:27-22.16(o)]	Methane: Recordkeeping by certified lab analysis results prior to permit expiration date. [N.J.A.C. 7:27-22.16(o)]	Submit a report: As per the approved schedule to appropriate Enforcement Regional Office for their review, evaluation and determination. [N.J.A.C. 7:27-22.16(o)]
6	Hydrogen chloride <= 0.96 lb/hr. [N.J.A.C. 7:27-22.16(a)]	Hydrogen chloride: Monitored by gas sampling prior to permit expiration date. [N.J.A.C. 7:27-22.16(o)]	Hydrogen chloride: Recordkeeping by certified lab analysis results prior to permit expiration date. [N.J.A.C. 7:27-22.16(o)]	Submit a report: As per the approved schedule to appropriate Enforcement Regional Office for their review, evaluation and determination. [N.J.A.C. 7:27-22.16(o)]
7	H2S <= 0.5 lb/hr. [N.J.A.C. 7:27-22.16(a)]	H2S: Monitored by gas sampling prior to permit expiration date. [N.J.A.C. 7:27-22.16(o)]	H2S: Recordkeeping by certified lab analysis results prior to permit expiration date. [N.J.A.C. 7:27-22.16(o)]	Submit a report: As per the approved schedule to appropriate Enforcement Regional Office for their review, evaluation and determination. [N.J.A.C. 7:27-22.16(o)]

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
8	Flare Shutdown - If the flare ceases operation and cannot be relighted, the flow of landfill gas to the flare shall be shutdown until normal operation is restored. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by a thermocouple to ensure the presence of a pilot flame continuously. The monitor shall measure temperature. An alarm system shall be operated on the flare to alert operating personnel if the flare fails to relight after the flare shuts down.[N.J.A.C. 7:27-22.16(o)].	The monitor shall record temperature. Recordkeeping by data acquisition system (DAS) / electronic data storage continuously. [N.J.A.C. 7:27-22.16(o)]	None.
9	The flare and ancillary equipment shall be installed, operated and maintained in accordance with the specifications provided by the manufacturer. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
10	Natural gas, propane, or the equivalent shall be used for ignition and natural gas, propane, landfill gas, or the equivalent shall be used as a pilot fuel. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
11	All monitors and recorders required by this permit shall be operated at any time landfill gas is combusted. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
12	Opacity: There shall be no visible emissions, exclusive of condensed water vapor, except for a period of not longer than five minutes in any consecutive 2-hour period. [N.J.A.C. 7:27-22.16(a)]	Monitored by visual determination quarterly: once per quarter; quarters shall begin on January 1, April 1, July 1, and October 1 of each year, based on an instantaneous determination. For compliance with the opacity standard, the permittee shall conduct visual opacity inspections during daylight hours. Visual inspections shall consist of a visual survey to identify if the stack has visible emissions, (other than condensed water vapor), greater than the prescribed standard. If visible emissions are observed, the permittee shall do the following: (1) Verify that the equipment and/or control device causing the emission is operating according to manufactures specifications and the operating permit compliance plan. If the equipment or control device is not operating properly, the permittee shall take corrective action immediately to eliminate the excess emissions. The permittee must report any permit violations to NJDEP pursuant to N.J.A.C. 7:27-22.19. (2) If the corrective action taken in step (1) does not correct the opacity problem within 24 hours, the applicant shall perform a check via a certified opacity reader, in accordance with N.J.A.C. 7:27B-2. Such test shall be conducted each day until corrective action is taken to successfully correct the opacity problem. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The owner or operator shall log and retain the following records: (1) Date and time of inspection; (2) Emission Point number; (3) Operational status of equipment; (4) Observed results and conclusions; (5) Description of corrective action taken if needed; (6) Date and time opacity problem was solved, if applicable; (7) N.J.A.C. 7:27B-2 results if conducted; and (8) Name of person(s) conducting inspection. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
13	Landfill Gas Flow Rate \leq 2,000 scfm. [N.J.A.C. 7:27-22.16(a)]	Monitored by gas flow rate instrument continuously, based on a 1 hour block average. The flow rate monitoring system shall: (1) correct and report from actual to standard cubic feet; (2) be installed and operated in accordance with the manufacturer's specifications; (3) be equipped with a totalizer to continuously monitor the cumulative amount of landfill gas directed to the flare in scf; and (4) if a mass flowmeter is used, the readout shall be in scfm as total scf each calendar year. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by data acquisition system (DAS) / electronic data storage continuously. [N.J.A.C. 7:27-22.16(o)]	None.
14	Maximum Gross Heat Input \leq 60.72 MMBTU/hr (HHV). The maximum rated heat input of the open flare (LFG Specialties, Inc. - Model CF 12 40112). [N.J.A.C. 7:27-22.16(a)]	Other: Fuel Burner Rated Capacity.[N.J.A.C. 7:27-22.16(o)].	None.	None.
15	The flare tip velocity shall not exceed 60 ft/sec. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
16	The flare shall operate with an intermittent pilot, which lights only during the flare startup sequence, and shuts off once the main flame has proven to be stable. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by a thermocouple to ensure the presence of a pilot flame at startup. An alarm system shall be operated on the flare to alert operating personnel if the flare fails to relight after the flare shuts down.[N.J.A.C. 7:27-22.16(o)].	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The owner or operator shall record all periods of operation of the flare providing start-up time, shut down time, reason for operation and name of operator. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
17	The flare shall be equipped with the following: (1) Automatic relighting system to relight the flare if extinguished; (2) Flame monitor with automatic system to shut-off the flow of landfill gas to the flare when combustion ceases and cannot be relighted; (3) Thermocouple alarm system to signal the operator when the flare fails to relight or combustion ceases; (4) Flame arrestor on inlet; (5) Condensate removal and disposal to leachate collection system; (6) Low temperature shutdown; and (7) One propane pilot flame system. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
18	The open flare is used as per manufacturer specifications or standards. [N.J.A.C. 7:27-22.16(a)]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. Record the date and time of operation, duration, reason for operation and name of operator. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: U2 SAJO Solid Waste Transfer Station with Space Heater (IS3)
Operating Scenario: OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Opacity <= 20 %. Particulate emissions no greater than 20% opacity, exclusive of condensed water vapor, for a period of not longer than three (3) minutes in any consecutive 30-minute period. [N.J.A.C. 7:27- 6.2(d)]	None.	None.	
2	Opacity <= 20 %. No person shall cause, suffer, allow or permit particles to be emitted from any stack or chimney of which is greater than 20 percent opacity, exclusive of water vapor, except for a period not longer than three minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-6.2(d)] & [N.J.A.C. 7:27- 6.2(c)]	None.	None.	None.
3	TSP <= 3.21 tons/yr. [N.J.A.C. 7:27-22.16(a)]	TSP: Monitored by calculations once initially and prior to permit expiration date. [N.J.A.C. 7:27-22.16(o)]	TSP: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially and prior to permit expiration date. [N.J.A.C. 7:27-22.16(o)]	None.
4	PM-10 (Total) <= 3.21 tons/yr. [N.J.A.C. 7:27-22.16(a)]	PM-10 (Total): Monitored by calculations once initially and prior to permit expiration date. [N.J.A.C. 7:27-22.16(o)]	PM-10 (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system once initially and prior to permit expiration date. [N.J.A.C. 7:27-22.16(o)]	None.
5	PM-2.5 (Total) <= 3.21 tons/yr. [N.J.A.C. 7:27-22.16(a)]	PM-2.5 (Total): Monitored by calculations once initially and prior to permit expiration date. [N.J.A.C. 7:27-22.16(o)]	PM-2.5 (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system once initially and prior to permit expiration date. [N.J.A.C. 7:27-22.16(o)]	None.

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
6	The permittee shall not use the equipment in a manner which will cause visible emissions, exclusive of condensed water vapor, except for 3 minutes in any consecutive 30 minute period. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by visual determination once per week during operation, based on any consecutive 30-minute period. For compliance with the opacity standard, the permittee shall conduct visual opacity inspections during daylight hours. Visual inspections shall consist of a visual survey to identify if the stack has visible emissions, (other than condensed water vapor), greater than the prescribed standard (See Applicable Requirement). If visible emissions are observed, the permittee shall do the following: (1) Verify that the equipment and/or control device causing the emission is operating according to manufactures specifications and the operating permit compliance plan. If the equipment or control device is not operating properly, the permittee shall take corrective action immediately to eliminate the excess emissions. The permittee must report any permit violations to NJDEP pursuant to N.J.A.C. 7:27-22.19.; (2) If the corrective action taken in step (1) does not correct the opacity problem within 24 hours, the applicant shall perform a check via a certified opacity reader, in accordance with N.J.A.C. 7:27B-2. Such test shall be conducted each day until corrective action is taken to successfully correct the opacity problem.[N.J.A.C. 7:27-22.16(o)].	Other: Recordkeeping by manual or electronic logging of parameter once per week during operation. Manually log in a logbook or in readily accessible computer memories and retain the following records: (1) Date and time of inspection; (2) Emission Point number; (3) Operational status of equipment; (4) Observed results and conclusions; (5) Description of corrective action taken if needed; (6) Date and time opacity problem was solved, if applicable; (7) N.J.A.C. 7:27B-2 results if conducted; and (8) Name of person(s) conducting inspection.[N.J.A.C. 7:27-22.16(o)].	Comply with the requirement: As per the approved schedule. The permittee shall report permit violations (excess visible emissions) to the Department pursuant to N.J.A.C. 7:27-22.19. [N.J.A.C. 7:27-22.16(o)]
7	If visible emissions are seen being emitted except in areas over which the owner or operator has exclusive use or occupancy, the solid waste transfer station shall cease operation and not be restarted until corrective action has been taken. [N.J.A.C. 7:27-22.16(a)]	Monitored by visual determination upon occurrence of event, based on an instantaneous determination. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. Each time visible emissions are seen, the date and time shall be recorded as well as the corrective action taken. Records are to be maintained on-site and be made readily available upon request by the Department. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
8	Total Production Rate <= 2,750 tons/day or 12,000 tons/week for the transfer station maximum daily waste handling capacity. The Station is allowed to process (receive and ship) only Type 10, 13, 13C, 23, 25 and 27 waste types as defined in N.J.A.C. 7:26-2.13 and as authorized by the Solid Waste Permit for Transfer Station PI 203153 Activity TRP200001. The SAJO Transport Solid Waste Transfer Station operates independently of the Landfill Site 1-E, and solid waste is disposed at alternate disposal facilities. All operations occur within an enclosed solid waste building where waste is unloaded from several collection vehicles into a large transfer trailers or intermodal containers. [N.J.A.C. 7:27-22.16(a)]	Total Production Rate: Monitored by waste feed/charge rate monitoring (solid) once per calendar day during operation. Total production rate shall be monitored by material balance on a daily basis. [N.J.A.C. 7:27-22.16(o)]	Total Production Rate: Recordkeeping by manual logging of parameter or storing data in a computer data system daily. The Permittee shall maintain records of the quantity and type of the waste processed and demonstrate compliance in accordance with the Solid Waste Regulations NJAC 7:26-2.13(a). [N.J.A.C. 7:27-22.16(o)]	None.
9	Hours of Operation: Within any operating day, the hours of operation for the transfer station shall be consistent with the requirements of the current Solid Waste Permit for transfer operations. This includes limitations on when bulky waste and construction and demolition waste may be accepted and processed. [N.J.A.C. 7:27-22.16(a)]	None.	Hours of Operation: Recordkeeping by manual logging of parameter or storing data in a computer data system daily. [N.J.A.C. 7:27-22.16(a)]	None.
10	All solid waste delivery vehicles shall be properly registered with the Division of Solid and Hazardous Waste pursuant to N.J.A.C. 7:26-3. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
11	No person shall use or cause to be used any equipment or control apparatus unless all components connected or attached to, or serving the equipment or control apparatus, are functioning properly and are in use in accordance with the preconstruction permit and certificate and all conditions and provisions thereto. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
12	The particulate and odor control system shall be in operation at all times that the transfer station is in operation. Equipment and control devices will be operated except when repairs and/or maintenance activities are being done. Waste Acceptance operations will continue during the times of repair and maintenance. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
13	The transfer station shall be operated in such a manner that all air contaminant emissions that are generated are directed per proposed minor modification to the ventilators and associated air pollution control systems. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
14	The operation of the transfer station shall be consistent with all permits and conditions approved by the Division of Solid and Hazardous Waste for this facility. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored in compliance with NJAC 7:26-2.8 (i)[N.J.A.C. 7:27-22.16(o)].	None.	None.
15	No contaminated soils (having concentration above non-residential direct contact soil cleanup criteria standards per NJDEP) with VOC's or hydrocarbons shall be received and/or processed by the facility. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
16	No significant source operation shall be installed and operated inside the solid waste transfer station building. Significant source operation means a source that is classified as a significant source pursuant to NJAC 7:27-22.2 "Applicability" and is not exempted from being a significant source operation. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
17	This equipment shall not cause any air contaminant, including an air contaminant detectable by the sense of smell, to be present in the outdoor atmosphere in such quantity and duration which is, or tends to be, injurious to human health or welfare, animal or plant life or property, or would unreasonably interfere with the enjoyment of life or property, except in areas over which the owner or operator has exclusive use or occupancy. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
18	Air Filters: The permittee shall continue to maintain and replace air filters as recommended by Manufacturer. [N.J.A.C. 7:27-22.16(a)]	Monitored by visual determination each week during operation. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. [N.J.A.C. 7:27-22.16(o)]	None.

New Jersey Department of Environmental Protection
Facility Specific Requirements

Emission Unit: U2 SAJO Solid Waste Transfer Station with Space Heater (IS3)

Operating Scenario: OS1 Transfer Station

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulates Control Efficiency of the filter is 99%. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
2	PM-10 (Total) \leq 1.71 lb/hr. [N.J.A.C. 7:27-22.16(a)]	PM-10 (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	PM-10 (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system initial calculations only. [N.J.A.C. 7:27-22.16(o)]	None.
3	TSP \leq 1.71 lb/hr. [N.J.A.C. 7:27-22.16(a)]	TSP: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	TSP: Recordkeeping by manual logging of parameter or storing data in a computer data system initial calculations only. [N.J.A.C. 7:27-22.16(o)]	None.
4	The Permittee shall check the carbon media every 3 months for carbon breakthrough. The carbon filters shall be replaced when (which ever occurs first) : 1- breakthrough occurs based on carbon media testing every two years maximum, OR, 2- if the equipment causes an air contaminant to be detectable by the sense of smell to be present in the outdoor atmosphere in such quantity or duration which is, or tends to be injurious to human health or welfare, animal or plant life or property, or would unreasonably interfere with the enjoyment of life or property, except in areas over which the Permittee has exclusive use or occupancy. [N.J.A.C. 7:27-22.16(a)]	Monitored by odor threshold monitoring quarterly: once per quarter; quarters shall begin on January 1, April 1, July 1, and October 1 of each year or manufacturer specificd changout frequency. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system quarterly: once per quarter; quarters shall begin on January 1, April 1, July 1, and October 1 of each year. The permittee shall record the time and date of each replacement of carbon panels. [N.J.A.C. 7:27-22.16(o)]	Comply with the requirement: Upon occurrence of event. [N.J.A.C. 7:27-22.16(o)]
5	Saturated or partially used adsorption material shall be disposed of in a manner that minimizes releases of air contaminants to the atmosphere. This shall be done in accordance with all applicable State and Federal solid waste management regulations. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

LANDFILL SITE 1E (02844)
BOP190001

Date: 3/31/2021

New Jersey Department of Environmental Protection
Facility Profile (General)

Facility Name (AIMS): NJMC 1-E Landfill

Facility ID (AIMS): 02844

Street 100 BALER BLVD
Address: 100 BALER BVLD
NORTH ARLINGTON, NJ 07031

Mailing NEW JERSEY SPORTS & EXPOSITION
Address: AUTHORITY
1 DE KORTE PARK PLZ
1 DE KORTE PARK PLZ
LYNDHURST, NJ 07071

County: Bergen
Location North of NJ Route 7, west of the NJ Turnpike
Description: Western Spur. Of the total acreage, 195 acres are in Bergen County and 212 acres are located in Hudson County.

State Plane Coordinates:

X-Coordinate: 597,759

Y-Coordinate: 706,815

Units: Feet

Datum: NAD83

Source Org.: Other/Unknown

Source Type: Approx. Addr. Match

Industry:

Primary SIC: 4953

Secondary SIC: 9511

NAICS: 562212

**New Jersey Department of Environmental Protection
Facility Profile (General)**

Contact Type: Air Permit Information Contact

Organization: New Jersey Sports & Exposition Authority

Org. Type: State

Name: Thomas R. Marturano, P.E.

NJ EIN: 00221946838

Title: Director, Solid Waste Division

Phone: (201) 460-4613 x

Mailing Address: One Dekorte Park Plaza

Fax: (201) 460-8434 x

Lyndhurst, NJ 07071-9518

Other: () - x

Type:

Email: Thomas.Marturano@NJmeadowlands.gov

Contact Type: BOP - Operating Permits

Organization: New Jersey Sports & Exposition Authority

Org. Type: State

Name: Thomas R. Marturano, P.E.

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Title: Director, Solid Waste Division

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Lyndhurst, NJ 07071-9518

Other: () - x

Type:

Email: Thomas.Marturano@NJmeadowlands.gov

Contact Type: Consultant

Organization: SCS ENGINEERS

Org. Type: Private

Name: Lisa Wilkinson, P.E.

NJ EIN: 00540913440

Title: Project Manager

Phone: (845) 357-1510 x

Mailing Address: 4 EXECUTIVE BLVD, SUITE 303

Fax: (845) 357-1049 x

SUFFERN, NY 10901

Other: () - x

Type:

Email: lwilkinson@scsengineers.com

LANDFILL SITE 1E (02844)
BOP190001

Date: 3/31/2021

**New Jersey Department of Environmental Protection
Facility Profile (General)**

Contact Type: General Contact

Organization: New Jersey Sports & Exposition Authority

Org. Type: State

Name: Thomas R. Marturano, P.E.

NJ EIN: 00221946838

Title: Director, Solid Waste Division

Phone: (201) 460-4613 x

Mailing Address: 1 De Korte Park Plz

Fax: (201) 460-8434 x

Lyndhurst, NJ 07071-9518

Other: () - x

Type:

Email: thomas.marturano@NJMeadowlands.gov

Contact Type: Operator

Organization: New Jersey Meadowlands Commission

Org. Type: State

Name:

NJ EIN:

Title:

Phone: () - x

Mailing Address:

Fax: () - x

Other: () - x

Type:

Email:

Contact Type: Owner (Current Primary)

Organization: New Jersey Sports & Exposition Authority

Org. Type: State

Name: Thomas R. Marturano, P.E.

NJ EIN: 00221946838

Title: Director, Solid Waste Division

Phone: (201) 460-4613 x

Mailing Address: One Dekorte Park Plaza

Fax: (201) 460-8434 x

Lyndhurst, NJ 07071-9518

Other: () - x

Type:

Email: tmarturano@njsea.com

New Jersey Department of Environmental Protection
Facility Profile (General)

Contact Type: Owner (Former)

Organization: Algonquin Power

Org. Type: Corporation

Name: Michael Griffin

NJ EIN:

Title: Director, Asset Management

Phone: (905) 465-4552 x

Mailing Address: 2845 Bristol Circle

Fax: (905) 465-4514 x

Oakville L6H 7H7

Other: () - x

Ontario, CANA

Type:

Email: Mike.Griffin@algonquin power.com

Contact Type: Regulation Officer

Organization: New Jersey Sports & Exposition Authority

Org. Type: State

Name: Thomas R. Marturano, P.E.

NJ EIN: 00221946838

Title: Director, Solid Waste Division

Phone: (201) 460-4613 x

Mailing Address: 1 De Korte Park Plz

Fax: (201) 460-8434 x

Lyndhurst, NJ 07071-9518

Other: () - x

Type:

Email: Thomas.Marturano@njmeadowlands.gov

Contact Type: Responsible Official

Organization: New Jersey Sports & Exposition Authority

Org. Type: State

Name: Thomas R. Marturano, P.E.

NJ EIN: 00221946838

Title: Director, Solid Waste Division

Phone: (201) 460-4613 x

Mailing Address: One Dekorte Park Plaza

Fax: (201) 460-8434 x

Lyndhurst, NJ 07071-9518

Other: () - x

Type:

Email: Thomas.Marturano@NJmeadowlands.gov

**LANDFILL SITE 1E (02844)
BOP190001**

Date: 03/31/2021

**New Jersey Department of Environmental Protection
Non-Source Fugitive Emissions**

FG NJID	Description of Activity Causing Emission	Location Description	Reasonable Estimate of Emissions (tpy)								
			VOC (Total)	NOx	CO	SO	TSP (Total)	PM-10	Pb	HAPS (Total)	Other (Total)
FG1	Roads	Paved and unpaved roads around facility	0.000	0.000	0.000	0.000	211.920	51.650	0.000	0.00000000	0.000
Total			0.000	0.000	0.000	0.000	211.920	51.650	0.000	0.00000000	0.000

LANDFILL SITE 1E (02844)
BOP190001

Date: 3/31/2021

New Jersey Department of Environmental Protection
Insignificant Source Emissions

IS NJID	Source/Group Description	Equipment Type	Location Description	Estimate of Emissions (tpy)								
				VOC (Total)	NOx	CO	SO	TSP	PM-10	Pb	HAPS (Total)	Other (Total)
IS1	1,000 gallon diesel fuel oil above ground storage tank	Storage Vessel	NJMC Baler Facility	0.122	0.000	0.000	0.000	0.000	0.000	0.000	0.00000000	0.000
IS2	2,000 gallon #2 oil storage tank	Storage Vessel	NJMC Baler Facility	0.100	0.000	0.000	0.000	0.000	0.000	0.000	0.00000000	0.000
IS3	Space Heater - Kewanee, Model M-55-KO, 0.55 MMBtu/hr at Transfer Station	Boiler	NJMC Baler Facility	0.012	0.429	0.107	0.152	0.043	0.023	0.000	0.00130000	478.000
Total				0.234	0.429	0.107	0.152	0.043	0.023	0.000	0.00130000	478.000

LANDFILL SITE 1E (02844)
BOP190001

Date: 3/31/2021

New Jersey Department of Environmental Protection
Equipment Inventory

Equip. NJID	Facility's Designation	Equipment Description	Equipment Type	Certificate Number	Install Date	Grand- Fathered	Last Mod. (Since 1968)	Equip. Set ID
E1	Landfill	Closed Landfill with Gas Collection System to Open Flare (CD 502)	Landfill	Solid Waste - ID#0907W Air Quality - PII#02844, BOP0600C	1/1/1960	No	11/8/2002	
E2	Transfer Sta	Transfer Station (PI 02844) w/o Emergency Generator, E101 (PCP PI 00771/PCP960001)	Manufacturing and Materials Handling Equipment	PI# 00771 PCP960002	10/30/1983	Yes		

02844 LANDFILL SITE 1E BOP190001 E1 (Landfill) Print Date: 3/31/2021

Pollutant	Concentration	Units
Amines ▼		▼
CO2 ▼		▼
Chlorides ▼		▼
Greenhouse gases as CO2e ▼		▼
H2S ▼		▼
Mercaptans ▼		▼
Mercury ▼		▼
Methane ▼		▼
Non-Methane Hydrocarbons ▼		▼

02844 LANDFILL SITE 1E BOP190001 E1 (Landfill)
Print Date: 3/31/2021

Solid Waste Facility
Permit Number: CTO080001

Year Opened: 1960

Solid Waste Facility Permit
Issuance Date: 1/17/07

Expected Year of Closure: 2008

Actual Year of Closure: 2008

Total Design Area (acres): 407.0

Total Design Capacity
(million megagrams): 9,999.0

Active Area (acres): 0.0

Capped Area (acres): 407.0

Is the Landfill Lined? ☐ Yes ☒ No

Was the site used for the
disposal of Hazardous
Waste? ☐ Yes ☒ No

Was there ever co-disposal
of Industrial Waste or
reason to believe that the
Waste Stream into the
Landfill contained large
Waste or volatile
compounds from
commercial sources?
☐ Yes ☒ No

Maximum Estimated Landfill
Gas Generation Rate during
the life of the Landfill (ft³/yr):
999999999

Model used to estimate
Landfill Gas Production: USEPA LandGEM

Is there a Landfill Gas
Pre-Treatment System? ☐ Yes ☒ No

Method of Landfill Gas
Pre-Treatment:

Design Capacity of Landfill
Gas Collection System (acfm): 11,232.0

Overall Collection Efficiency(%): 75.0

Landfill Gas Mover/Blower
size (hp): 60.0

Number of Extraction Wells: 108

Extraction Well Diameter (ft): 0.5

Extraction Well Depth (ft):

Extraction Well Overlap (%): 10.0

Extraction Well Operating
Vacuum (in. H₂O): 50.0

Have you attached Actual
Landfill Gas Analysis? ☐ Yes ☒ No

Have you attached a layout
(plan view) of the wells and
header piping? ☐ Yes ☒ No

Have you attached a waste

02844 LANDFILL SITE 1E BOP190001 E1 (Landfill)
Print Date: 3/31/2021

deposition history (provide
tons deposited for each
operating year)?

☒ Yes ☐ No

Comments:

Inactive landfill (closed on January 7, 2009) (PI 02844) with Gas Collection System to Open Flare (CD502) (PI 02736). Total design capacity of the landfill = 48,322,900 megagrams.

New Jersey Department of Environmental Protection
Control Device Inventory

CD NJID	Facility's Designation	Description	CD Type	Install Date	Grand-Fathered	Last Mod. (Since 1968)	CD Set ID
CD502	Open Flare	Open Flare	Flare	10/16/1997	No		
CD1001	Filter 1	Particulate Filter Within Transfer Station	Particulate Filter (Other)		No		
CD1003	Filter 2	Particulate Filter Within Transfer Station	Particulate Filter (Other)		No		
CD1005	Filter 3	Particulate Filter Within Transfer Station	Particulate Filter (Other)		No		
CD1007	Filter 4	Particulate Filter Within Transfer Station	Particulate Filter (Other)		No		
CD1009	Filter 5	Particulate Filter Within Transfer Station	Particulate Filter (Other)		No		
CD1011	Filter 6	Particulate Filter Within EF-6	Particulate Filter (Other)		No		

02844 LANDFILL SITE 1E BOP190001 CD1001 (Particulate Filter (Other))
Print Date: 3/31/2021

Make: Trap-It 400 Series
Manufacturer: Trap-It Filtration
Model:
Filter Description: Graduated Density Dacron - Polyester Dry Filter

Total Filter Area (ft²): 168.00
Maximum Design Temperature Capability (°F): 212.0
Maximum Design Air Flow Rate (acfm): 13,500.0
Maximum Air Flow Rate to Filter Area Ratio: 80.360
Minimum Operating Pressure Drop (in. H2O): 0.44
Maximum Operating Pressure Drop (in. H2O): 1.32
Maximum Inlet Temperature (°F): 120.0
Maximum Operating Exhaust Gas Flow Rate (acfm): 13,500.0

Method for Determining When Filter Replacement is Required: Monitor Static Pressure Drop Gauges

Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources):

1

Alternative Method to Demonstrate Control Apparatus is Operating Properly:

Visual

Have you attached a Particle Size Distribution Analysis?

☐ Yes ☒ No

Have you attached data from recent performance testing?

☐ Yes ☒ No

Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus?

☐ Yes ☒ No

Have you attached a diagram showing the location and/or configuration of this control apparatus?

☒ Yes ☐ No

Comments:

The Transfer facility has six (6) roof mounted Trap-It 400 Series fan/filter units for dust/particulate matter control.

02844 LANDFILL SITE 1E BOP190001 CD1001 (Particulate Filter (Other))
Print Date: 3/31/2021

02844 LANDFILL SITE 1E BOP190001 CD1003 (Particulate Filter (Other))
Print Date: 3/31/2021

Make: Trap-It 400 Series
Manufacturer: Trap-It Filtration
Model:
Filter Description: Graduated Density Dacron - Polyester Dry Filter

Total Filter Area (ft²): 168.00
Maximum Design Temperature Capability (°F): 212.0
Maximum Design Air Flow Rate (acfm): 13,500.0
Maximum Air Flow Rate to Filter Area Ratio: 80.360
Minimum Operating Pressure Drop (in. H₂O): 0.44
Maximum Operating Pressure Drop (in. H₂O): 1.32
Maximum Inlet Temperature (°F): 120.0
Maximum Operating Exhaust Gas Flow Rate (acfm): 13,500.0

Method for Determining When Filter Replacement is Required: Monitor Static Pressure Drop Gauges

Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources):

1

Alternative Method to Demonstrate Control Apparatus is Operating Properly:

Visual

Have you attached a Particle Size Distribution Analysis?

☐ Yes ☒ No

Have you attached data from recent performance testing?

☐ Yes ☒ No

Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus?

☐ Yes ☒ No

Have you attached a diagram showing the location and/or configuration of this control apparatus?

☒ Yes ☐ No

Comments:

02844 LANDFILL SITE 1E BOP190001 CD1003 (Particulate Filter (Other))
Print Date: 3/31/2021

02844 LANDFILL SITE 1E BOP190001 CD1005 (Particulate Filter (Other))
Print Date: 3/31/2021

Make: Trap-It 400 Series
Manufacturer: Trap-It Filtration
Model:
Filter Description: Graduated Density Dacron - Polyester Dry Filter

Total Filter Area (ft²): 168.00
Maximum Design Temperature Capability (°F): 212.0
Maximum Design Air Flow Rate (acfm): 13,500.0
Maximum Air Flow Rate to Filter Area Ratio: 80.360
Minimum Operating Pressure Drop (in. H₂O): 0.44
Maximum Operating Pressure Drop (in. H₂O): 1.32
Maximum Inlet Temperature (°F): 120.0
Maximum Operating Exhaust Gas Flow Rate (acfm): 13,500.0

Method for Determining When Filter Replacement is Required: Monitor Static Pressure Drop Gauges

Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources):

1

Alternative Method to Demonstrate Control Apparatus is Operating Properly:

Visual

Have you attached a Particle Size Distribution Analysis?

☐ Yes ☒ No

Have you attached data from recent performance testing?

☐ Yes ☒ No

Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus?

☐ Yes ☒ No

Have you attached a diagram showing the location and/or configuration of this control apparatus?

☒ Yes ☐ No

Comments:

02844 LANDFILL SITE 1E BOP190001 CD1005 (Particulate Filter (Other))
Print Date: 3/31/2021

02844 LANDFILL SITE 1E BOP190001 CD502 (Flare)
Print Date: 3/31/2021

Make:	LFG Specialties, Inc
Manufacturer:	LFG Specialties, Inc
Model:	CF 12 40112
Type:	Open
Minimum Residence Time (sec):	
Maximum Rated Gross Heat Input (MMBtu/hr):	60.00
Auxiliary Fuel:	Landfill gas
Description:	
Method of Pilot Flame Monitoring:	
Monitoring Location:	
Automatic Gas Shutoff After Loss of Flame?	<input type="radio"/> Yes <input checked="" type="radio"/> No
Automatic Reignition After Loss of Flame?	<input type="radio"/> Yes <input checked="" type="radio"/> No
Minimum Gas Flow Rate (acfm):	2,000.0
Minimum Operating Temperature (°F):	
Minimum Heat Content at Burner Tip (Btu/ft³):	
Flare Operation Type:	
Does Flare have smokeless design?	<input type="radio"/> Yes <input checked="" type="radio"/> No
Is Flare equipped with flame retainer?	<input type="radio"/> Yes <input checked="" type="radio"/> No
Is Flare equipped with flame arrestor?	<input type="radio"/> Yes <input checked="" type="radio"/> No
Is Flare equipped with LEL monitor?	<input type="radio"/> Yes <input checked="" type="radio"/> No
Flare Stack Diameter (inches):	
Lower Heat Content of source gas (BTU/scf):	
Lower Heat Content of Supplemental Fuel (BTU/scf):	
Destruction and Removal Efficiency (%):	
How was Efficiency determined?	
Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources):	
Alternative Method to Demonstrate Control Apparatus is Operating Properly:	
Have you attached data from recent performance testing?	<input type="radio"/> Yes <input type="radio"/> No
Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus?	

02844 LANDFILL SITE 1E BOP190001 CD502 (Flare)
Print Date: 3/31/2021

☐ Yes ☒ No

Have you attached a diagram showing
the location and/or configuration of this
control apparatus?

☐ Yes ☒ No

Comments:

PCP 1-97-3328

02844 LANDFILL SITE 1E BOP190001 CD1007 (Particulate Filter (Other))
Print Date: 3/31/2021

Make: Trap-It 400 Series
Manufacturer: Trap-It Filtration
Model:
Filter Description: Graduated Density Dacron - Polyester Dry Filter

Total Filter Area (ft²): 168.00
Maximum Design Temperature Capability (°F): 212.0
Maximum Design Air Flow Rate (acfm): 13,500.0
Maximum Air Flow Rate to Filter Area Ratio: 80.360
Minimum Operating Pressure Drop (in. H₂O): 0.44
Maximum Operating Pressure Drop (in. H₂O): 1.32
Maximum Inlet Temperature (°F): 120.0
Maximum Operating Exhaust Gas Flow Rate (acfm): 13,500.0

Method for Determining When Filter Replacement is Required: Monitor Static Pressure Drop Gauges

Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources):

1

Alternative Method to Demonstrate Control Apparatus is Operating Properly:

Visual

Have you attached a Particle Size Distribution Analysis?

☐ Yes ☒ No

Have you attached data from recent performance testing?

☐ Yes ☒ No

Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus?

☐ Yes ☒ No

Have you attached a diagram showing the location and/or configuration of this control apparatus?

☒ Yes ☐ No

Comments:

02844 LANDFILL SITE 1E BOP190001 CD1007 (Particulate Filter (Other))
Print Date: 3/31/2021

02844 LANDFILL SITE 1E BOP190001 CD1009 (Particulate Filter (Other))
Print Date: 3/31/2021

Make: Trap-It 400 Series
Manufacturer: Trap-It Filtration
Model:
Filter Description: Graduated Density Dacron - Polyester Dry Filter

Total Filter Area (ft²): 168.00
Maximum Design Temperature Capability (°F): 212.0
Maximum Design Air Flow Rate (acfm): 13,500.0
Maximum Air Flow Rate to Filter Area Ratio: 80.360
Minimum Operating Pressure Drop (in. H₂O): 0.44
Maximum Operating Pressure Drop (in. H₂O): 1.32
Maximum Inlet Temperature (°F): 120.0
Maximum Operating Exhaust Gas Flow Rate (acfm): 13,500.0

Method for Determining When Filter Replacement is Required: Monitor Static Pressure Drop Gauges

Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources):

1

Alternative Method to Demonstrate Control Apparatus is Operating Properly:

Visual

Have you attached a Particle Size Distribution Analysis?

☐ Yes ☒ No

Have you attached data from recent performance testing?

☐ Yes ☒ No

Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus?

☐ Yes ☒ No

Have you attached a diagram showing the location and/or configuration of this control apparatus?

☒ Yes ☐ No

Comments:

02844 LANDFILL SITE 1E BOP190001 CD1009 (Particulate Filter (Other))
Print Date: 3/31/2021

02844 LANDFILL SITE 1E BOP190001 CD1011 (Particulate Filter (Other))
Print Date: 3/31/2021

Make: Trap-It 400 Series
Manufacturer: Trap-It Filtration
Model:
Filter Description: Graduated Density Dacron - Polyester Dry Filter

Total Filter Area (ft²): 168.00
Maximum Design Temperature Capability (°F): 212.0
Maximum Design Air Flow Rate (acfm): 13,500.0
Maximum Air Flow Rate to Filter Area Ratio: 80.360
Minimum Operating Pressure Drop (in. H₂O): 0.44
Maximum Operating Pressure Drop (in. H₂O): 1.32
Maximum Inlet Temperature (°F): 120.0
Maximum Operating Exhaust Gas Flow Rate (acfm): 13,500.0

Method for Determining When Filter Replacement is Required: Monitor Static Pressure Drop Gauges

Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources):

1

Alternative Method to Demonstrate Control Apparatus is Operating Properly:

Visual

Have you attached a Particle Size Distribution Analysis?

☐ Yes ☒ No

Have you attached data from recent performance testing?

☐ Yes ☒ No

Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus?

☐ Yes ☒ No

Have you attached a diagram showing the location and/or configuration of this control apparatus?

☒ Yes ☐ No

Comments:

02844 LANDFILL SITE 1E BOP190001 CD1011 (Particulate Filter (Other))
Print Date: 3/31/2021

LANDFILL SITE 1E (02844)
BOP190001

Date: 3/31/2021

New Jersey Department of Environmental Protection
Emission Points Inventory

PT NJID	Facility's Designation	Description	Config.	Equiv. Diam. (in.)	Height (ft.)	Dist. to Prop. Line (ft)	Exhaust Temp. (deg. F)			Exhaust Vol. (acfm)			Discharge Direction	PT Set ID
							Avg.	Min.	Max.	Avg.	Min.	Max.		
PT2	Open Flare	Open Flare Stack	Round	12	44	3,000	1,600.0	1,400.0	1,800.0	63,000.0	18,000.0	108,000.0	Up	
PT1001	EF-1	Roof Exhaust - 1	Round	65	51	253	70.0	25.0	120.0	13,500.0	12,354.0	14,774.0	Up	
PT1002	EF-2	Roof Exhaust - 2	Round	65	52	193	70.0	25.0	120.0	13,500.0	12,354.0	14,774.0	Up	
PT1003	EF-3	Roof Exhaust - 3	Round	65	52	198	70.0	25.0	120.0	13,500.0	12,354.0	14,774.0	Up	
PT1004	EF-4	Roof Exhaust - 4	Round	65	52	205	70.0	25.0	120.0	13,500.0	12,354.0	14,774.0	Up	
PT1005	EF-5	Roof Exhaust - 5	Round	65	52	210	70.0	25.0	120.0	13,500.0	12,354.0	14,774.0	Up	
PT1006	EF-6	Roof Exhaust - 6	Round	65	52	215	70.0	25.0	120.0	13,500.0	12,354.0	14,774.0	Up	

LANDFILL SITE 1E (02844)
BOP190001

Date: 3/31/2021

New Jersey Department of Environmental Protection
Emission Unit/Batch Process Inventory

U 1 Landfill Closed Municipal Solid Waste Landfill with Open Flare combusting untreated LFG

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours	VOC Range	Flow (acfm)	Temp. (deg F)
								Min.	Max.	Min.	Max.
OS2	Open Flare	Open Flare (LFG Specialties Model CF 40112, 2000 SCFM) combusting untreated LFG	Normal - Steady State	E1	CD502 (P)	PT2	5-01-004-10	8,760.0	200.0	2,000.0	1,400.0 1,800.0

U 2 Transfer Sta SAJO Solid Waste Transfer Station with Space Heater (IS3)

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours	VOC Range	Flow (acfm)	Temp. (deg F)
								Min.	Max.	Min.	Max.
OS1	Transfer Sta	Transfer Station	Normal - Steady State	E2	CD1001 (P) CD1003 (P) CD1005 (P) CD1007 (P) CD1009 (P) CD1011 (P)	PT1001 PT1002 PT1003 PT1004 PT1005 PT1006	A25-35-030-000	0.0 8,760.0	A 81,000.0	88,644.0	0.0 212.0

Date: 3/31/2021

**New Jersey Department of Environmental Protection
Subject Item Group Inventory**

November 3, 2023
File No. 07220177.00

Monica Mianecki, P.E.
New Jersey Sports and Exposition Authority
P.O. Box 640
One DeKorte Park Plaza
Lyndhurst, New Jersey 07071-3799

Subject: Balefill (1-E) Landfill Gas Collection System
Operations and Maintenance Report October 2023

Dear Monica:

SCS Field Services (SCS-FS) visited the Balefill (1-E) Landfill in October 2023 to perform Operations and Maintenance (O&M) on the landfill gas (LFG) collection system for the New Jersey Sports and Exposition Authority (NJSEA). The following report summarizes the work performed and presents the monitoring data collected.

LFG Wellfield Monitoring

Once during the month, the LFG extraction wells (EW, EE, and C) were monitored for gas quality (methane, carbon dioxide, oxygen, and balance gas assumed to be primarily nitrogen), static pressure, and gas temperature using a Landtec GEM-5000 infrared landfill gas analyzer (GEM-5000). The landfill is no longer subject to New Source Performance Standards (NSPS) Subpart WWW compliance and reporting requirements.

The wellfield monitoring data are presented in *Attachment 1*.

LFG Wellfield Maintenance Activities

During routine monitoring, SCS-FS performed the following maintenance checks at each wellhead:

- Checked the monitoring ports and replaced if damaged.
- Checked the flex hose clamps and tightened as required.
- Checked the flow control valve for smooth operation.
- Listened for air/gas leaks around the flanges, valves, and fittings, and tightened fittings as needed.
- Visually checked the condition of the well bore seal (as applicable) at the surface of the landfill.

SCS-FS performed the following maintenance checks at the condensate pumps and header and well condensate drips where installed:

- Inspected the accessible piping and fittings for damage.
- Checked the liquid levels as available.
- Checked for air/gas leaks around accessible fittings.

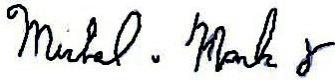


Blower/Flare Station

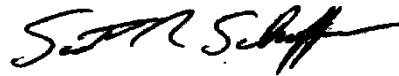
SCS-FS monitored the flare station weekly. The flare was monitored for gas quality and inlet pressure using the GEM-5000. LFG flow rates and flare stack temperatures were recorded from station instrumentation. The data collected are presented in ***Attachment 2***. The chart recorder data was downloaded. Printouts of the electronic chart data are presented in ***Attachment 3***.

SCS-FS appreciates the opportunity to provide our services. Please contact either of the undersigned should you require further information or assistance.

Sincerely,



Mike Marks
Senior Project Superintendent
SCS Field Services



Scott Schoffner
Senior Project Manager
SCS Field Services

Attachments

ATTACHMENT 1

WELLFIELD MONITORING DATA

Balefill (1-E) Landfill - Well Data - 10/1/2023 through 10/31/2023

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Adj Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H2O)	Init Flow (scfm)	Adj Flow (scfm)	System Pressure ("H2O)	Comments
C-001	10/3/2023 10:00:31 AM	52.4	39.4	0.0	8.2	78.0	78.0	0.17	0.18	9.0	8.1	0.16	Valve 100% Open
C-002	10/3/2023 9:58:07 AM	55.9	38.6	0.0	5.5	94.0	94.0	0.23	0.25			0.25	Valve 100% Open
C-006	10/3/2023 10:08:37 AM	55.9	35.5	0.0	8.6	87.3	87.3	0.03	0.03	10.6	10.2	0.03	Valve 100% Open
C-007	10/3/2023 10:07:03 AM	55.0	35.5	0.0	9.5	78.0	78.0	0.01	0.02	9.6	9.1	0.02	Valve 100% Open
C-008	10/3/2023 9:47:19 AM	58.0	34.6	0.0	7.4	74.0	74.0	0.01	0.01	12.1	11.9	0.01	Valve 100% Open
C-009	10/3/2023 9:45:11 AM	58.9	32.5	0.0	8.6	70.0	70.0	0.02	0.03	12.6	11.8	0.02	Valve 100% Open
C-010	10/3/2023 9:49:10 AM	59.3	35.7	0.1	4.9	88.7	88.7	-0.07	-0.05	11.2	10.7	-0.02	Valve 100% Open
C-011	10/3/2023 10:13:04 AM	50.2	36.9	0.0	12.9	82.2	82.2	0.00	0.00	15.8	14.6	0.00	Valve 100% Open
C-012	10/3/2023 10:19:42 AM	23.4	25.3	3.7	47.6	82.4	82.4	-0.10	-0.08	26.3	18.0	-0.06	Valve 100% Open
C-018	10/3/2023 9:55:38 AM	41.4	31.5	3.3	23.8	77.5	77.5	-1.67	-1.65	20.3	21.2	-1.81	
C-021	10/3/2023 9:28:12 AM	3.3	13.3	16.4	67.0	68.0	68.0	-1.17	-1.14	11.4	13.3	-0.83	
C-022	10/3/2023 9:10:48 AM	30.2	17.5	9.5	42.8	80.0	80.0	-1.33	-1.32	16.5	16.4	-1.35	
C-025	10/3/2023 9:19:46 AM	33.6	19.7	8.1	38.6	75.0	75.0	-0.96	-1.02	22.6	22.8	-1.65	
C-026	10/3/2023 9:01:38 AM	6.7	11.4	16.4	65.5	81.5	81.5	-0.91	-0.78	29.9	38.2	-1.18	Valve 100% Closed
C-027	10/3/2023 9:22:03 AM	58.2	37.0	0.0	4.8	88.0	88.0	5.76	5.76			5.11	Valve 100% Open
C-030	10/16/2023 10:58:14 AM	63.3	35.6	0.2	0.9	63.6	63.6	-0.04	-0.02			-0.01	Valve 100% Open
C-031	10/3/2023 8:54:04 AM	39.4	29.1	3.9	27.6	84.4	84.4	-0.34	-0.29	17.5	13.2	-0.16	
C-032	10/9/2023 10:40:58 AM	56.4	40.7	0.1	2.8	82.6	82.6	18.20	20.08			19.77	Valve 100% Open
C-033	10/9/2023 2:52:37 PM	54.9	41.1	0.0	4.0	78.5	78.5	20.88	20.28			19.31	Valve 100% Open
C-034	10/16/2023 11:19:09 AM	52.9	40.6	0.2	6.3	63.0	63.0	0.01	0.01			0.01	Valve 100% Open
C-036	10/16/2023 11:12:06 AM	56.2	43.1	0.1	0.6	77.4	77.4	0.15	0.17			0.13	Valve 100% Open
C-037	10/16/2023 11:08:00 AM	0.6	6.0	19.2	74.2	71.6	71.6	0.05	0.05			0.05	Valve 100% Open
C-038	10/9/2023 2:47:34 PM	25.1	20.6	10.5	43.8	60.8	60.8	-2.40	-2.21	17.8	15.8	-3.29	Decreased Flow/Vacuum
C-040	10/3/2023 10:37:23 AM	4.7	5.8	17.8	71.7	74.0	74.0	-3.19	-2.87	37.3	34.3	-3.83	Decreased Flow/Vacuum
C-043	10/3/2023 10:32:51 AM	34.1	30.4	5.9	29.6	82.0	82.0	-3.96	-3.87	135.9	129.3	-3.81	Decreased Flow/Vacuum
C-044	10/3/2023 10:28:53 AM	6.0	10.4	16.9	66.7	78.6	78.6	-0.74	-0.73	12.2	12.2	-2.02	Valve 100% Closed
C-054	10/9/2023 10:59:19 AM	54.1	40.4	0.4	5.1	73.0	73.0	-1.71	-0.79	33.4	20.7	-7.65	Increased Flow/Vacuum
C-055	10/9/2023 10:44:55 AM	27.9	24.5	7.3	40.3	79.5	79.5	-9.64	-10.68	95.7	105.8	-12.35	
C-057	10/3/2023 10:54:18 AM	46.5	39.3	1.3	12.9	77.0	77.0	-0.57	-0.54	40.0	36.6	-0.51	Valve 100% Open
C-058	10/3/2023 10:47:14 AM	43.1	30.6	4.0	22.3	78.8	78.8	-0.53	-0.53	12.8	13.3	-0.50	Valve 100% Open
C-060	10/3/2023 10:44:46 AM	54.8	27.0	1.8	16.4	87.0	87.0	0.04	0.05	15.4	13.7	0.02	Valve 100% Open
C-061	10/9/2023 11:07:29 AM	48.2	34.1	1.7	16.0	101.5	101.5	-14.75	-12.36	127.0	103.3	-15.44	
C-062	10/9/2023 11:03:17 AM	42.8	33.5	3.9	19.8	66.0	66.0	-8.32	-8.76	181.1	200.1	-10.43	
C-063	10/9/2023 11:09:25 AM	39.9	31.0	5.4	23.7	70.5	70.5	-9.90	-9.99	42.5	52.5	-10.11	
C-065	10/9/2023 11:11:17 AM	7.6	31.1	0.0	61.3	76.0	76.0	0.29	0.30	6.8	6.4	-18.22	Valve 100% Closed
C-066	10/9/2023 11:16:45 AM	54.3	31.7	2.2	11.8	63.0	63.0	-9.18	-7.43	26.2	30.2	-14.67	
C-067	10/9/2023 11:14:24 AM	5.8	15.1	15.9	63.2	61.0	61.0	-11.23	-10.99	28.1	27.6	-18.35	Valve 100% Closed
C-069	10/9/2023 11:19:58 AM	10.6	12.3	14.9	62.2	63.0	63.0	-12.43	-12.48			-14.10	
C-070	10/9/2023 11:25:38 AM	26.7	21.6	8.8	42.9	75.0	75.0	-10.96	-10.59	194.4	194.8	-22.01	
C-071	10/9/2023 11:23:05 AM	57.1	33.6	1.3	8.0	65.0	65.0	-5.22	-5.28	9.5	8.9	-17.17	Increased Flow/Vacuum
C-073	10/9/2023 11:33:45 AM	16.0	13.4	13.0	57.6	73.0	73.0	-24.00	-23.99	40.6	40.2	-28.58	Decreased Flow/Vacuum
C-074	10/3/2023 11:00:59 AM	48.1	42.7	0.0	9.2	93.0	93.0	0.12	0.12	11.6	11.1	0.12	Valve 100% Open
C-074A	10/9/2023 11:35:51 AM	17.6	10.8	13.1	58.5	73.0	73.0	-1.44	-1.37	19.1	18.9	-29.31	Decreased Flow/Vacuum
C-075A	10/9/2023 11:48:21 AM	42.7	27.6	5.2	24.5	72.0	72.0	-0.21	-0.20	13.3	12.8	-27.72	
C-076	10/3/2023 10:50:46 AM	50.7	41.6	0.1	7.6	73.6	73.6	-0.53	-0.52	17.5	17.8	-0.47	
C-076A	10/9/2023 11:46:46 AM	8.7	9.4	16.3	65.6	71.0	71.0	-15.28	-15.31	20.8	21.3	-11.43	
C-077	10/9/2023 11:58:24 AM	34.4	24.9	7.6	33.1	79.0	79.0	-2.48	-2.45	21.9	22.1	-6.76	
C-078	10/3/2023 9:14:31 AM	45.1	25.5	4.9	24.5	72.0	72.0	-1.32	-1.28	31.6	26.7	-1.32	
C-082	10/3/2023 9:07:26 AM	1.2	2.9	19.1	76.8	82.0	82.0	-0.90	-0.89	18.2	22.6	-2.85	
C-27A	10/3/2023 9:24:08 AM	57.3	38.2	0.0	4.5	82.6	82.6	2.74	2.72			3.62	Valve 100% Open
C-38A	10/16/2023 11:06:22 AM	45.8	35.8	3.2	15.2	68.0	68.0	-5.03	-4.81	11.9	12.3	-6.98	Valve 100% Open



Balefill (1-E) Landfill - Well Data - 10/1/2023 through 10/31/2023

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Adj Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H2O)	Init Flow (scfm)	Adj Flow (scfm)	System Pressure ("H2O)	Comments
C-P05	10/3/2023 9:34:46 AM	54.4	36.9	0.0	8.7	83.3	83.3	2.36	2.36			2.25	Valve 100% Open
C-P06	10/3/2023 9:31:35 AM	58.7	35.4	0.1	5.8	99.0	99.0	1.62	1.61	17.9	18.0	1.01	Valve 100% Open
C-P08	10/3/2023 9:43:01 AM	59.4	35.2	0.1	5.3	89.8	89.8	2.25	2.23			2.10	Valve 100% Open
C-P13	10/3/2023 9:37:40 AM	11.8	14.2	14.4	59.6	83.0	83.0	-0.04	-0.04	8.9	9.2	-0.02	
EW-02	10/9/2023 12:10:17 PM	47.2	32.1	3.1	17.6	77.5	77.5	-24.25	-23.99	106.9	102.6	-28.29	
EW-05	10/9/2023 1:32:37 PM	8.8	7.6	17.2	66.4	73.0	73.0	-19.65	-19.69	40.1	40.1	-24.25	Decreased Flow/Vacuum
EW-06	10/9/2023 1:57:05 PM	4.8	10.9	17.3	67.0	57.2	57.2	-24.10	-24.15	39.4	38.8	-25.16	
EW-07	10/9/2023 1:45:09 PM	1.5	8.2	18.8	71.5	65.0	65.0	-0.82	-0.75	5.2	5.6	-21.90	Valve 100% Closed
EW-08	10/9/2023 2:04:13 PM	34.2	23.1	2.9	39.8	68.5	68.5	-18.63	-18.72	40.0	41.4	-17.76	
EW-13	10/3/2023 11:17:58 AM	23.8	16.5	7.4	52.3	82.3	82.3	-6.94	-6.78	88.1	93.6	-9.29	Decreased Flow/Vacuum
EW-14	10/3/2023 11:20:46 AM	13.1	17.5	5.0	64.4	77.0	77.0	-6.26	-6.20	41.2	41.7	-16.96	Decreased Flow/Vacuum
EW-15	10/3/2023 11:25:04 AM	31.0	25.6	4.4	39.0	90.0	90.0	0.37	0.67	11.8	10.3	-0.35	
EW-17	10/9/2023 2:10:11 PM	58.0	38.3	0.0	3.7	75.6	75.6	-0.03	-0.03	8.2	7.1	-11.54	Increased Flow/Vacuum
EW-18	10/9/2023 2:14:51 PM	46.4	34.0	1.6	18.0	85.0	85.0	-3.92	-3.95	70.3	65.2	-16.71	
EW-21	10/9/2023 1:37:17 PM	43.9	26.8	6.2	23.1	77.0	77.0	-23.62	-23.78			-24.23	
EW-22	10/9/2023 1:29:51 PM	42.4	27.7	5.0	24.9	94.0	94.0	-25.40	-24.07	41.0	35.3	-25.23	
EW-23	10/9/2023 1:27:10 PM	12.1	7.7	16.7	63.5	68.0	68.0	-24.43	-24.24			-23.51	Decreased Flow/Vacuum
EW-24	10/9/2023 12:28:16 PM	12.7	13.9	16.2	57.2	73.2	73.2	-25.56	-25.54			-23.43	Decreased Flow/Vacuum
EW-25	10/9/2023 12:04:43 PM	31.0	23.8	8.0	37.2	91.0	91.0	-24.62	-24.06	38.7	38.7	-24.88	Decreased Flow/Vacuum
EW-27	10/9/2023 12:46:22 PM	26.6	18.8	9.6	45.0	73.0	73.0	-25.77	-25.79	68.4	69.7	-26.17	Decreased Flow/Vacuum
EW-28	10/9/2023 12:37:43 PM	1.3	5.8	19.5	73.4	75.0	75.0	-21.62	-21.55	47.7	45.6	-22.13	
EW-29	10/16/2023 11:25:32 AM	40.9	35.7	3.3	20.1	102.9	102.9	-4.25	-4.67	13.0	13.1	-11.47	
EW-32	10/9/2023 2:18:46 PM	28.9	23.9	8.4	38.8	68.5	68.5	-0.68	-0.68	8.8	8.7	-0.73	
EW-33	10/16/2023 12:43:42 PM	1.7	6.4	18.8	73.1	78.4	78.4	-0.36	-0.35	15.0	13.6	-0.64	Valve 100% Closed
EW-42	10/9/2023 12:31:58 PM	58.7	37.5	0.1	3.7	75.5	75.5	1.04	0.55			-24.74	Valve 100% Open
EW-43	10/9/2023 10:48:15 AM	42.0	30.3	3.6	24.1	108.0	108.0	-18.29	-18.73	64.4	62.8	-19.04	Valve 100% Open
EW-44	10/3/2023 11:32:43 AM	35.6	30.7	2.5	31.2	78.0	78.0	-1.29	-1.26	20.5	18.2	-12.84	Decreased Flow/Vacuum
EW-45	10/9/2023 12:33:33 PM	14.6	14.7	13.3	57.4	73.4	73.4	-22.94	-22.55	73.8	68.5	-22.40	Decreased Flow/Vacuum
EW-51	10/16/2023 12:26:55 PM	53.5	42.0	0.6	3.9	68.0	68.0	-0.81	-0.80	13.7	13.2	-0.56	Valve 100% Open
EW-52	10/16/2023 12:47:43 PM	36.0	23.2	7.0	33.8	80.6	80.6	-0.32	-0.32	12.0	10.8	-0.79	
EW-53	10/3/2023 11:07:59 AM	45.5	37.3	1.5	15.7	79.0	79.0	-0.54	-0.51	14.2	13.9	-0.61	Valve 100% Open
EW-57	10/9/2023 2:31:45 PM	50.9	40.8	0.5	7.8	70.0	70.0	-0.68	-0.68	46.7	46.5	-0.81	Valve 100% Open
EW-58	10/9/2023 2:36:55 PM	42.6	33.9	4.6	18.9	71.5	71.5	-0.69	-0.71	11.0	10.3	-0.55	Valve 100% Open
EW-60	10/9/2023 2:39:35 PM	56.4	33.1	0.0	10.5	73.8	73.8	0.45	0.42			0.33	Valve 100% Open
EW-61	10/9/2023 12:06:43 PM	1.6	9.8	19.4	69.2	70.0	70.0	-0.04	-0.02	14.0	11.5	-0.02	
EW-63	10/9/2023 1:22:51 PM	8.5	5.2	17.0	69.3	58.6	58.6	-22.67	-22.31	45.0	46.3	-23.77	Decreased Flow/Vacuum
EW-66	10/9/2023 1:48:56 PM	49.7	30.0	3.1	17.2	73.4	73.4	-26.05	-26.74	143.4	145.2	-25.93	
EW-67	10/9/2023 1:59:36 PM	2.0	4.3	19.6	74.1	68.5	68.5	-10.56	-10.52	90.5	91.3	-13.90	Decreased Flow/Vacuum
EW-70	10/3/2023 11:28:16 AM	50.8	34.0	0.4	14.8	90.5	90.5	-5.79	-4.48	26.1	24.3	-7.78	
EW-71	10/3/2023 11:12:54 AM	0.0	0.2	19.5	80.3	75.0	75.0	0.03	0.03	10.8	8.8	0.03	
EW-72	10/3/2023 11:11:15 AM	46.8	37.1	1.4	14.7	85.0	85.0	-0.50	-0.45	15.0	14.8	-0.43	Valve 100% Open
EW-73	10/3/2023 11:03:55 AM	49.2	41.6	0.2	9.0	83.3	83.3	0.09	0.11	10.0	10.1	0.14	Valve 100% Open
EW-74	10/9/2023 2:26:47 PM	54.0	42.0	0.0	4.0	82.8	82.8	0.13	0.14	10.4	9.4	0.14	Valve 100% Open
EW-75	10/3/2023 10:58:48 AM	48.4	41.7	0.3	9.6	79.0	79.0	-0.52	-0.52	15.0	13.6	-0.60	Valve 100% Open
EW-76	10/9/2023 2:34:11 PM	50.9	40.1	0.6	8.4	62.0	62.0	-0.70	-0.69	14.3	13.7	-0.49	
EW-80	10/9/2023 12:40:28 PM	22.0	11.8	13.0	53.2	73.5	73.5	-19.97	-19.65	37.6	40.2	-21.07	Valve 100% Open
EW-82	10/9/2023 1:41:55 PM	52.6	39.1	0.0	8.3	74.5	74.5	4.73	-4.77		27.7	-27.10	Increased Flow/VacuumAdjusted Open
EW-84	10/9/2023 2:17:08 PM	42.6	33.0	3.5	20.9	75.0	75.0	-0.79	-0.78	14.6	14.2	-0.76	
EW-85	10/16/2023 12:40:22 PM	54.5	43.6	0.0	1.9	78.8	78.8	0.52	0.59	14.3	13.2	0.88	Valve 100% Open
EW-88	10/3/2023 10:56:24 AM	47.0	39.0	1.3	12.7	89.5	89.5	-0.51	-0.51	16.0	15.9	-0.41	Valve 100% Open
EW-91	10/16/2023 12:51:27 PM	50.4	35.9	1.8	11.9	82.6	82.6	-0.74	-0.72	17.7	16.6	-0.62	Valve 100% Open



Balefill (1-E) Landfill - Well Data - 10/1/2023 through 10/31/2023

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Adj Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H2O)	Init Flow (scfm)	Adj Flow (scfm)	System Pressure ("H2O)	Comments
EW-94	10/16/2023 1:04:44 PM	42.9	31.9	3.7	21.5	65.8	65.8	-2.63	-2.64	19.9	20.3	-17.08	
EW-95	10/9/2023 11:52:21 AM	1.4	9.1	18.3	71.2	67.0	67.0	-24.22	-23.87	54.9	51.2		
EW-97	10/16/2023 1:22:22 PM	35.9	24.3	6.3	33.5	86.0	86.0	-7.27	-7.20	96.5	91.5		Decreased Flow/Vacuum
EW-98	10/16/2023 1:19:30 PM	31.7	21.8	6.2	40.3	68.4	68.4	-7.28	-7.12	37.4	35.5		Decreased Flow/Vacuum
EW-99	10/16/2023 1:15:05 PM	0.0	2.1	20.3	77.6	80.0	80.0	0.01	0.02	6.5	6.4		

ATTACHMENT 2

BLOWER/FLARE STATION MONITORING DATA



Balefill (1-E) Landfill

Weekly Flare Monitoring Data

General Information				
Date and Time:	2023-10-03 08:46:00	Technician Name:	Issac Bailey	
Temperature:	61	Bar. Pressure:	30.19	
Weather Conditions:	Clear	Wind Direction:	W	Wind Speed: 3

Blower Inlet	
Blower #1 Status (On/Off):	On
Hours:	88517
Totalizer:	2449005
Methane (%vol):	21.3
Carbon Dioxide (%vol):	18.2
Oxygen (%vol):	10.5
Balance Gas (%vol):	50
Blower Inlet Pressure (in W.C.):	-28.33
Blower Inlet Temperature (°F):	85.5
Blower Outlet Temperature (°F):	132
Inlet Flowrate (scfm):	954
Comments	
NA	

Landfill Gas Flare	
Utility Flare (On/Off):	On
Flare Stack Temperature (°F):	1004
Nitrogen Bottle (psi):	250
Spare Nitrogen Number of Bottles:	2
Spare Nitrogen Full or Empty:	Full
Propane Bottle (% Full):	50
Spare Propane Number of Bottles:	2
Spare Propane Full or Empty:	Full
Check Condensate Sump (Yes/No):	yes
Comments	
NA	



Balefill (1-E) Landfill

Weekly Flare Monitoring Data

General Information				
Date and Time:	2023-10-09 10:23:00	Technician Name:	Issac Bailey	
Temperature:	54	Bar. Pressure:	29.81	
Weather Conditions:	Clear	Wind Direction:	SW	Wind Speed: 9

Blower Inlet	
Blower #1 Status (On/Off):	On
Hours:	88517
Totalizer:	2454297
Methane (%vol):	26.2
Carbon Dioxide (%vol):	20
Oxygen (%vol):	10.6
Balance Gas (%vol):	43.3
Blower Inlet Pressure (in W.C.):	-30.57
Blower Inlet Temperature (°F):	84
Blower Outlet Temperature (°F):	127
Inlet Flowrate (scfm):	1000
Comments	
NA	

Landfill Gas Flare	
Utility Flare (On/Off):	On
Flare Stack Temperature (°F):	1175
Nitrogen Bottle (psi):	250
Spare Nitrogen Number of Bottles:	2
Spare Nitrogen Full or Empty:	Full
Propane Bottle (% Full):	50
Spare Propane Number of Bottles:	2
Spare Propane Full or Empty:	Full
Check Condensate Sump (Yes/No):	yes
Comments	
NA	



Balefill (1-E) Landfill

Weekly Flare Monitoring Data

General Information				
Date and Time:	2023-10-16 08:31:00	Technician Name:	Issac Bailey	
Temperature:	50	Bar. Pressure:	29.62	
Weather Conditions:	Cloudy	Wind Direction:	W	Wind Speed: 5

Blower Inlet	
Blower #1 Status (On/Off):	On
Hours:	88517
Totalizer:	2458903
Methane (%vol):	28.2
Carbon Dioxide (%vol):	20.6
Oxygen (%vol):	10.1
Balance Gas (%vol):	41.1
Blower Inlet Pressure (in W.C.):	-29.56
Blower Inlet Temperature (°F):	63.3
Blower Outlet Temperature (°F):	94
Inlet Flowrate (scfm):	1053
Comments	
NA	

Landfill Gas Flare	
Utility Flare (On/Off):	On
Flare Stack Temperature (°F):	960
Nitrogen Bottle (psi):	250
Spare Nitrogen Number of Bottles:	3
Spare Nitrogen Full or Empty:	Full
Propane Bottle (% Full):	50
Spare Propane Number of Bottles:	2
Spare Propane Full or Empty:	Full
Check Condensate Sump (Yes/No):	yes
Comments	
NA	



Balefill (1-E) Landfill

Weekly Flare Monitoring Data

General Information				
Date and Time:	2023-10-24 09:27:00	Technician Name:	Issac Bailey	
Temperature:	56	Bar. Pressure:	30.37	
Weather Conditions:	Fair	Wind Direction:	NE	Wind Speed: 3

Blower Inlet	
Blower #1 Status (On/Off):	On
Hours:	88518
Totalizer:	28934
Methane (%vol):	25.3
Carbon Dioxide (%vol):	20.7
Oxygen (%vol):	10.3
Balance Gas (%vol):	43.7
Blower Inlet Pressure (in W.C.):	-28.55
Blower Inlet Temperature (°F):	79.4
Blower Outlet Temperature (°F):	121.9
Inlet Flowrate (scfm):	924
Comments	
NA	

Landfill Gas Flare	
Utility Flare (On/Off):	On
Flare Stack Temperature (°F):	1033
Nitrogen Bottle (psi):	1500
Spare Nitrogen Number of Bottles:	3
Spare Nitrogen Full or Empty:	Full
Propane Bottle (% Full):	25
Spare Propane Number of Bottles:	2
Spare Propane Full or Empty:	Full
Check Condensate Sump (Yes/No):	yes
Comments	
NA	

ATTACHMENT 3

BLOWER / FLARE STATION CHART RECORDS

Utility Flow Rate [SCFM]

Utility Temp [°F]

2023/10/01

2023/10/02

2023/10/03

2023/10/04

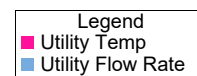
2023/10/05

2023/10/06

2023/10/07

Absolute Time [Y/M/D]

1week/rev



File Name
File Message
Device Type
Serial No.
Time Correct.
Starting Cond.
Dividing Cond.
Meas Ch.
Math Ch.
Comm Ch.
Data Count
Calibration Corrected Ch.

: 002687_230929_000100.GDS,....,002719_231031_000100.GDS
: Balefill
: GX10
: S5S602510
: None
: Auto
: Auto
: 4
: 4
: 0
: 47520
: None

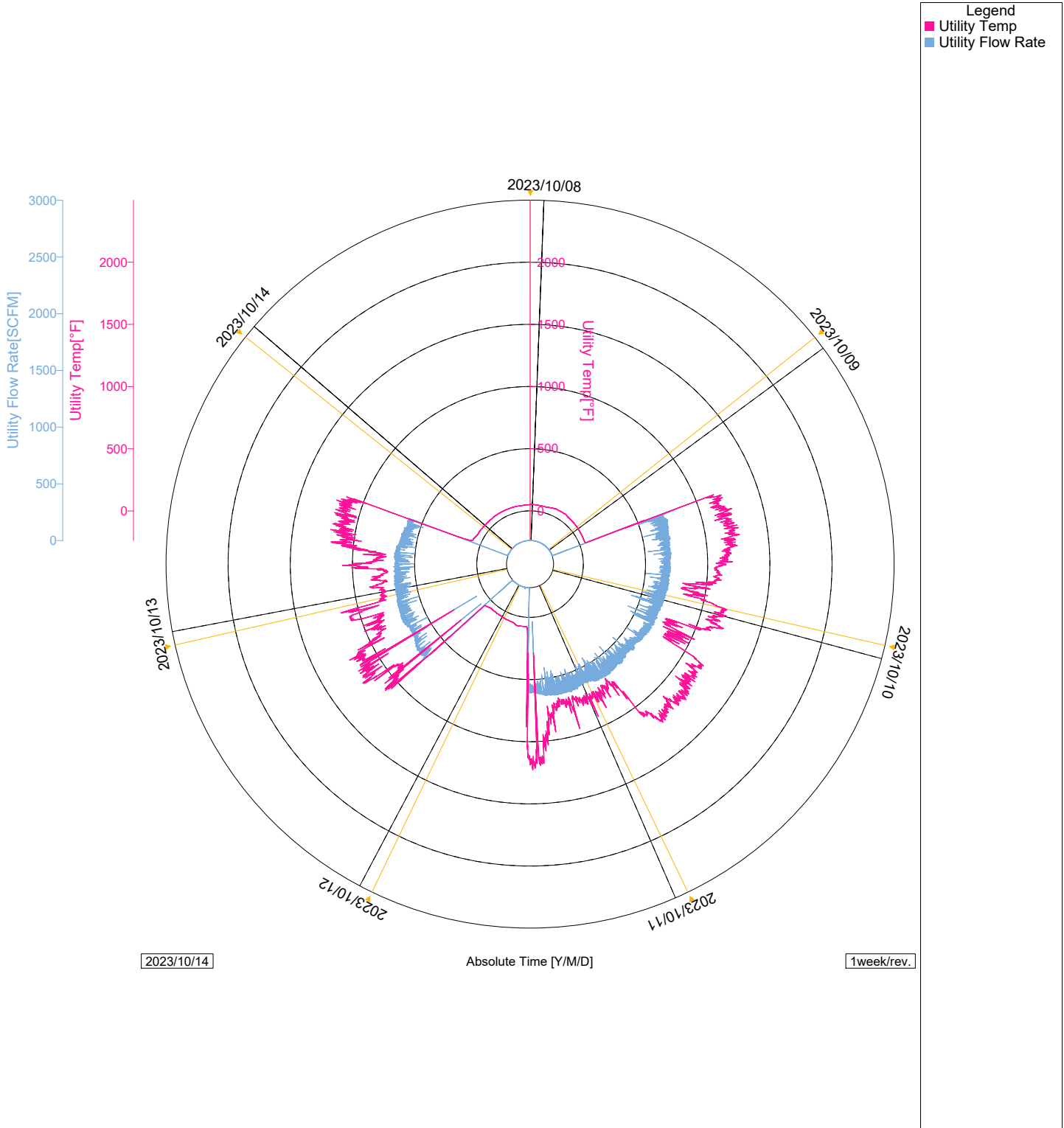
Sampling Int.
Start Time
Stop Time
Trigger Time
Trigger No.
Damage Check
Started by
Stopped by

: 60.000 sec
: 2023/09/29 00:01:00.000 (UTC-04:00)
: 2023/11/01 00:00:00.000 (UTC-04:00)
: 2023/11/01 00:00:00.000 (UTC-04:00)
: 47519
: Not Damaged
: [Key In]
: [Running]

Print Groups
Print Range
Comment

: Balefill (1-E)
: 2023/10/01 00:00:00.000 - 2023/11/01 00:00:00.000 (UTC-04:00)
:

2/5



File Name
File Message
Device Type
Serial No.
Time Correct.
Starting Cond.
Dividing Cond.
Meas Ch.
Math Ch.
Comm Ch.
Data Count
Calibration Corrected Ch.

: 002687_230929_000100.GDS,....,002719_231031_000100.GDS
: Balefill
: GX10
: S5S602510
: None
: Auto
: Auto
: 4
: 4
: 0
: 47520
: None

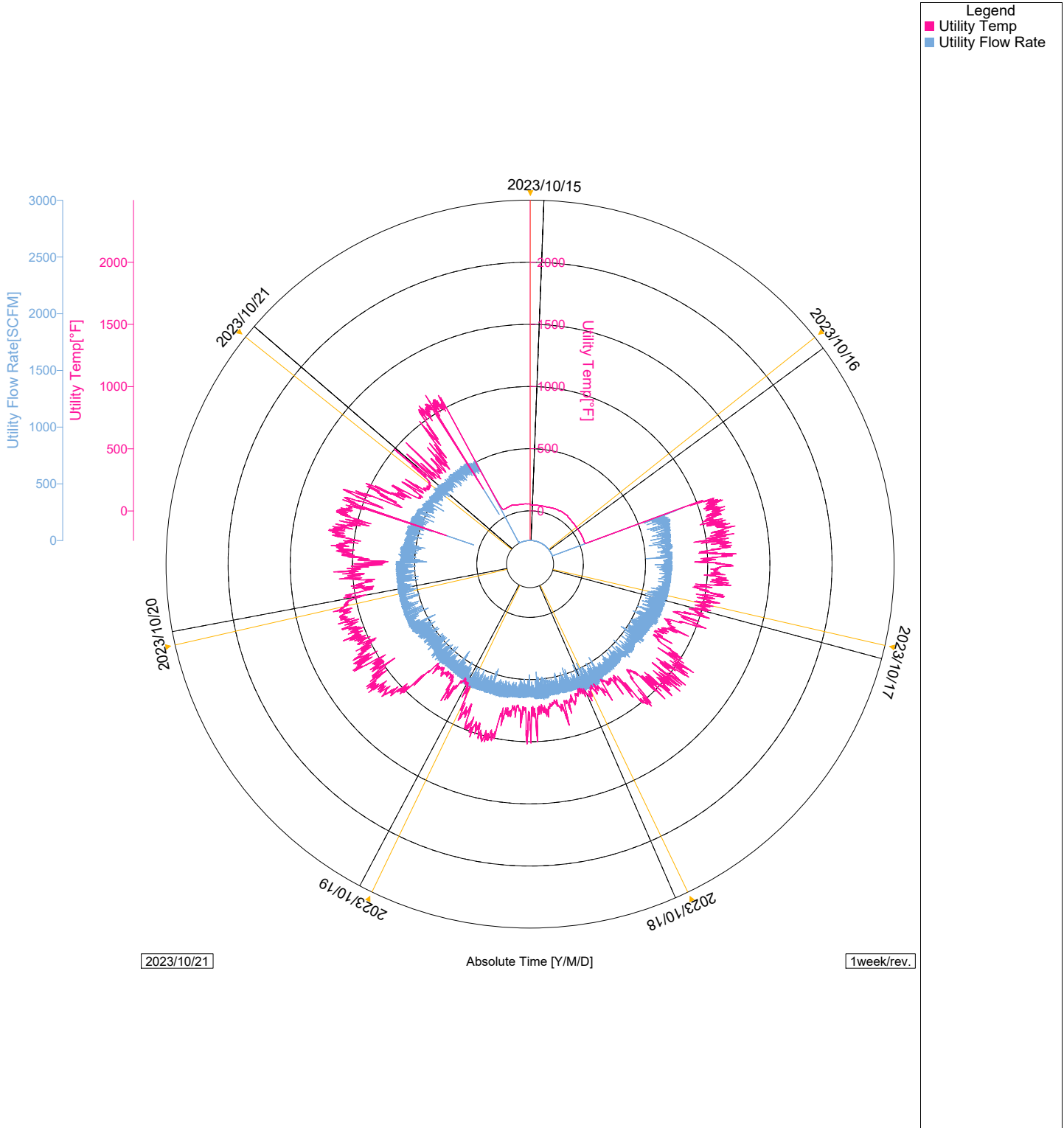
Sampling Int.
Start Time
Stop Time
Trigger Time
Trigger No.
Damage Check
Started by
Stopped by

: 60.000 sec
: 2023/09/29 00:01:00.000 (UTC-04:00)
: 2023/11/01 00:00:00.000 (UTC-04:00)
: 2023/11/01 00:00:00.000 (UTC-04:00)
: 47519
: Not Damaged
: [Key In]
: [Running]

Print Groups
Print Range
Comment

: Balefill (1-E)
: 2023/10/01 00:00:00.000 - 2023/11/01 00:00:00.000 (UTC-04:00)
:

3/5



File Name
File Message
Device Type
Serial No.
Time Correct.
Starting Cond.
Dividing Cond.
Meas Ch.
Math Ch.
Comm Ch.
Data Count
Calibration Corrected Ch.

: 002687_230929_000100.GDS,....,002719_231031_000100.GDS
: Balefill
: GX10
: S5S602510
: None
: Auto
: Auto
: 4
: 4
: 0
: 47520
: None

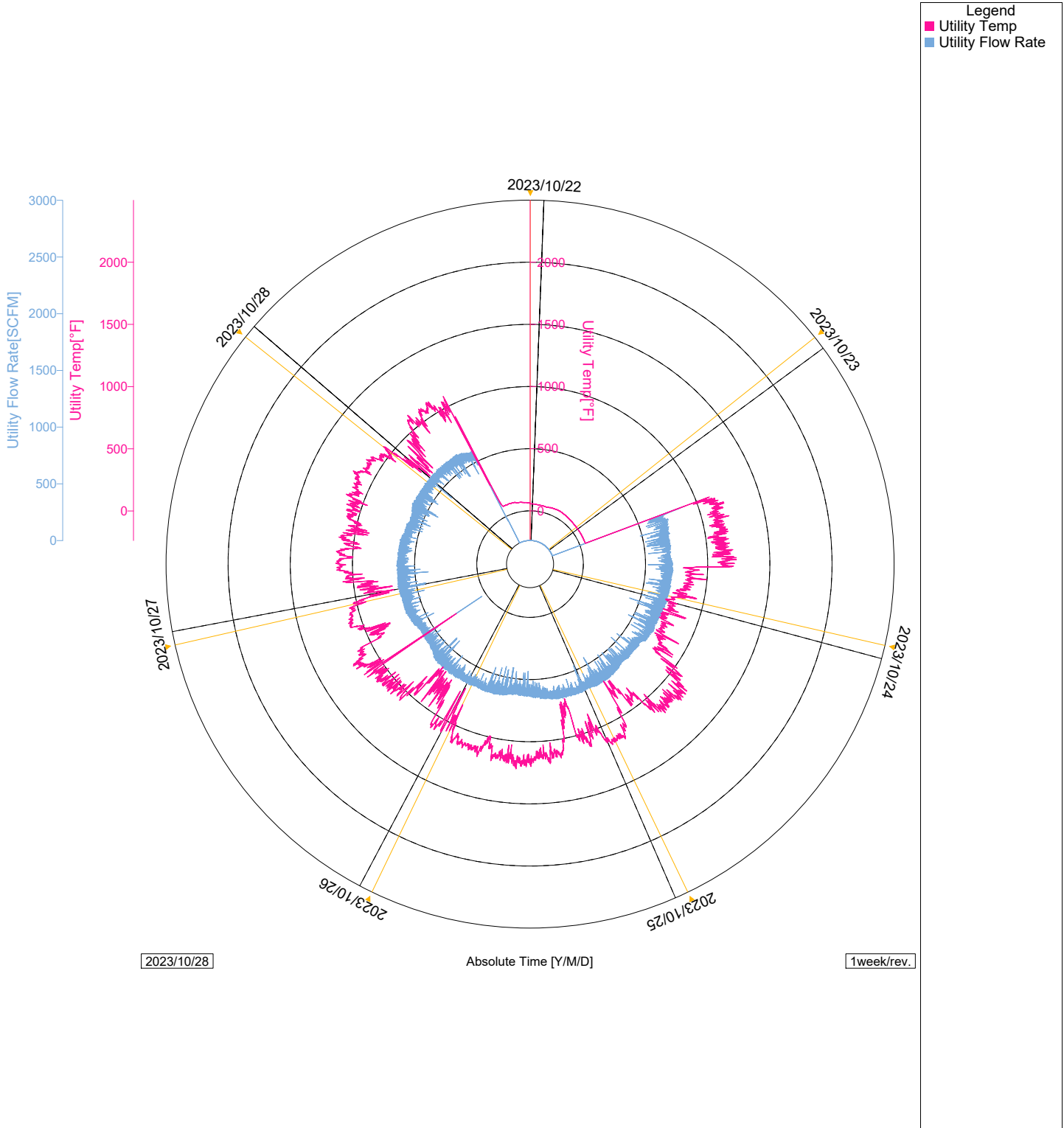
Sampling Int.
Start Time
Stop Time
Trigger Time
Trigger No.
Damage Check
Started by
Stopped by

: 60.000 sec
: 2023/09/29 00:01:00.000 (UTC-04:00)
: 2023/11/01 00:00:00.000 (UTC-04:00)
: 2023/11/01 00:00:00.000 (UTC-04:00)
: 47519
: Not Damaged
: [Key In]
: [Running]

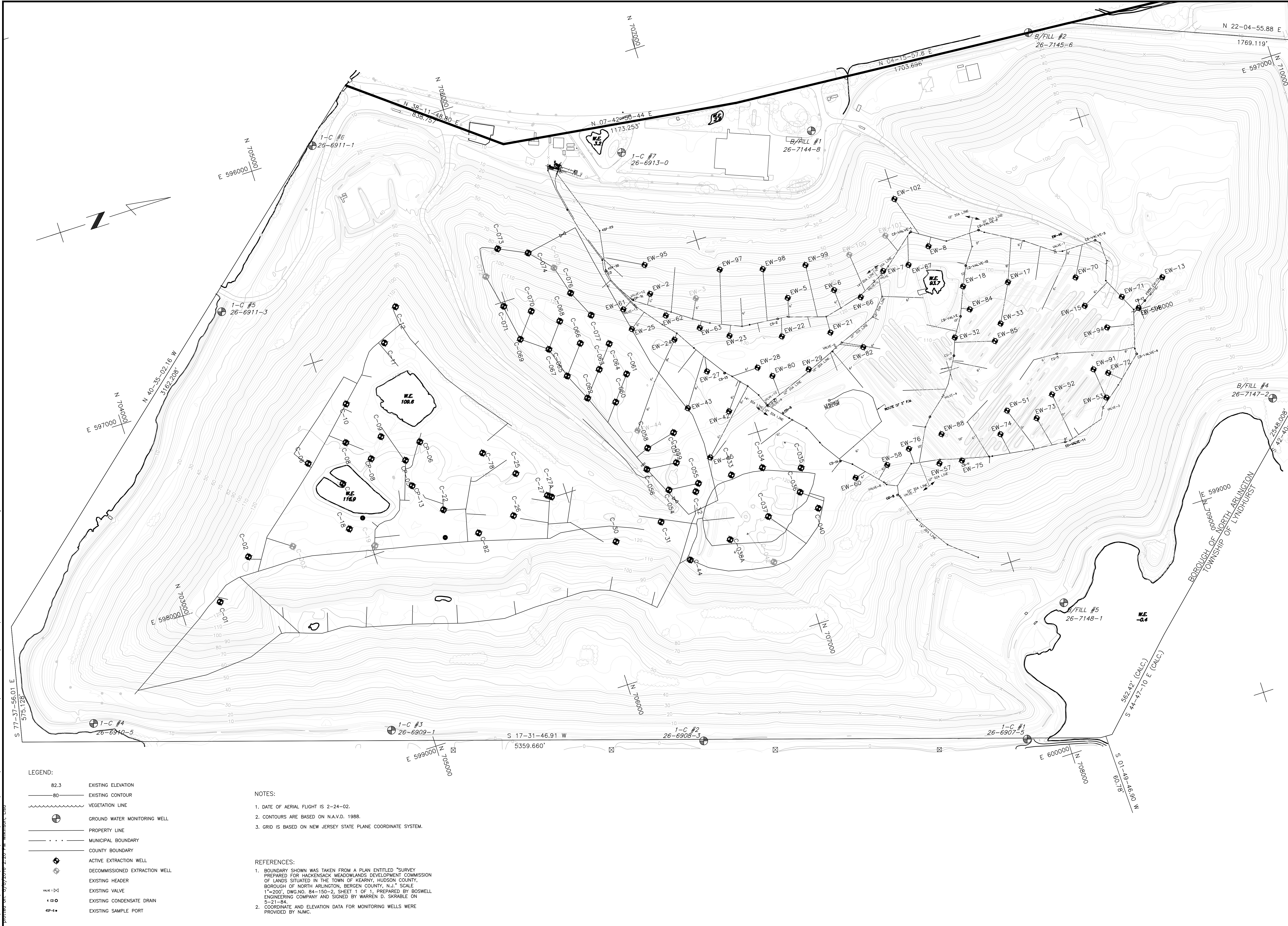
Print Groups
Print Range
Comment

: Balefill (1-E)
: 2023/10/01 00:00:00.000 - 2023/11/01 00:00:00.000 (UTC-04:00)
:

4/5



C:\USERS\1613\K\APPDATA\LOCAL\MICROSOFT\WINDOWS\TEMPORARY INTERNET FILES\CONTENT OUTLOOK\4B7F5F4A\LANDFILL 1-E LFG SYSTEM 06-2016.DWG layout 24X36



- LEGEND:
- 82.3 EXISTING ELEVATION
 - 80 EXISTING CONTOUR
 - VEGETATION LINE
 - GROUND WATER MONITORING WELL
 - PROPERTY LINE
 - MUNICIPAL BOUNDARY
 - COUNTY BOUNDARY
 - ACTIVE EXTRACTION WELL
 - DECOMMISSIONED EXTRACTION WELL
 - EXISTING HEADER
 - EXISTING VALVE
 - EXISTING CONDENSATE DRAIN
 - EXISTING SAMPLE PORT

- NOTES:
- DATE OF AERIAL FLIGHT IS 2-24-02.
 - CONTOURS ARE BASED ON N.A.V.D. 1988.
 - GRID IS BASED ON NEW JERSEY STATE PLANE COORDINATE SYSTEM.

- REFERENCES:
- BOUNDARY SHOWN WAS TAKEN FROM A PLAN ENTITLED "SURVEY PREPARED FOR HACKENSACK MEADOWLANDS DEVELOPMENT COMMISSION OF LANDS SITUATED IN THE TOWN OF KEARNY, HUDSON COUNTY, BOROUGH OF NORTH ARLINGTON, BERGEN COUNTY, N.J." SCALE 1"=200', DWG. NO. 84-150-2, SHEET 1 OF 1, PREPARED BY BOSWELL ENGINEERING COMPANY AND SIGNED BY WARREN D. SKRABLE ON 5-21-84.
 - COORDINATE AND ELEVATION DATA FOR MONITORING WELLS WERE PROVIDED BY NJMCC.

CLIENT		SHEET TITLE		PROJECT TITLE	
SCS ENGINEERS		STEARN, CONRAD AND SCHMIDT		CONSULTING ENGINEERS, INC.	
4 EXECUTIVE BLDG. SUITE 303, SUFFERN, NY 10901		PH. (845) 357-1510 FAX. (845) 357-1049			
PROJ. NO.	DRAW. BY:	CHK. BY:	APP. BY:		
10000	J.A. RW BY:				
CADD FILE:		DATE:		SCALE:	
DRAWING NO.		NO.		REVISION	
		DATE			