



*Joseph H. Vicari, Director
Gary Quinn, Deputy Director
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John P. Kelly, Commissioner*

*Tristin J. Collins, Director, Management & Budget
Jennifer L. Bowens, Purchasing Agent*

*County of Ocean
Administration Building
101 Hooper Avenue
Toms River, NJ 08754*

BID
GROUNDWATER MONITORING

2023

***ADVERTISEMENT DATE: October 18, 2023
OPENING: November 9, 2023, 11:00 am***

Bid Category: 27- Testing and Sampling Equipment and Services

NOTICE TO BIDDERS

NOTICE IS HEREBY GIVEN that sealed bids for the furnishing and delivery of **GROUNDWATER MONITORING** for the County of Ocean, will be received by the Purchasing Agent of the County of Ocean on **Thursday, November 9, 2023 at 11:00 am**, prevailing time.

Bids will be received electronically via the County's Online Procurement Portal:

<https://procurement.opengov.com/portal/oceancounty/>

Specifications and form of proposal are on the **Procurement Portal (Link Above)** or available for viewing in the Department of Purchase, Room #224, Administration Building, 101 Hooper Avenue, Toms River, New Jersey. Direct all inquiries to Jennifer L. Bowens, Purchasing Agent.

Bidders are required to comply with the requirements of N.J.S.A. 10:5-31 et seq. and P.L. 1975 C. 127 (N.J.A.C. 17:27-1 et seq.) regarding equal employment opportunities and with the requirements of P.L. 1977 C.33 regarding corporate and/or partnership ownership.

The right to reject any and all bids is reserved in accordance with applicable law.

By order of the Board of Commissioners of the County of Ocean.

Signed:

JOSEPH H. VICARI, Director

JENNIFER L. BOWENS, Purchasing Agent

CONTACT INFORMATION AND PROJECT TIMELINE

Summary

The purpose of this bid package is to provide the County of Ocean with a Contractor who will supply the materials or services described and specified herein.

Contact Information

For further information regarding these specifications, contact

Jessica Hannold

Buyer

Email: ocpurchasing@co.ocean.nj.us

Phone: [\(732\) 929-2103](tel:(732)929-2103)

Department:

Solid Waste Management

Timeline

Advertising Date	October 18, 2023
Bid Opening Date	November 9, 2023, 11:00am Administration Building, 101 Hooper Ave., Room 119, Toms River, NJ, 08753

IMPORTANT INSTRUCTIONS FOR ELECTRONIC SUBMITTAL

Instructions for Electronic Bid Submission

The County is accepting electronic bid submissions with Open Gov by following these instructions:

Sign up for a FREE account at <https://procurement.opengov.com/portal/oceancounty>

Once you have completed account registration, browse back to this page: [County's OpenGov Electronic Bid Portal \(https://procurement.opengov.com/portal/oceancounty/\)](https://procurement.opengov.com/portal/oceancounty/)

Click on the bid of interest, then click "Draft Response".

Follow the instructions to submit the electronic bid.

It is important to note that this process should be completed well in advance of the bid deadline / bid opening. **DO NOT WAIT UNTIL THE LAST MINUTE.** The County's electronic submission system will not allow electronic bids to be submitted once the deadline has passed, even if you've already started the process. The deadline is based on the countdown timer found on the OpenGov bid submission page.

INSTRUCTIONS TO BIDDERS

Bid Opening

All bids will be opened publicly in the Administration Building, Room 119, 101 Hooper Avenue, Toms River, New Jersey, commencing at 11:00 am, prevailing time on Thursday, November 9, 2023.

Electronic Bid Submissions

Bids must be submitted electronically through Ocean County's Procurement Portal by the date and time stipulated in the Notice to Bidders.

Deadline Instructions

The County will not be responsible for late bids, and no bids will be accepted if received after the time stipulated in the notice to bidders.

Completion of all Documents

Bidders shall complete all documents and acknowledge all terms included with the bid package. All documents should be from this bid package and must not be dated or executed prior to the date of advertising. Failure to follow these instructions is cause for rejection.

NOTE: In order to access any DocuSign forms in this solicitation, you must first click "Draft Response".

Instructions on how to access the forms through DocuSign are available in the Attachments. Please note that in order to view the forms as a .pdf document, you must access DocuSign first. Once you access DocuSign, the option to download, save, print and complete the forms becomes available

Right to Reject

The County reserves the right to reject all bids in accordance with N.J.S.A. 40A:11-13.2, to waive any informalities in the bid and to accept the lowest responsible bid in accordance with applicable law.

Bidder Default

In case of default by the bidder or contractor, the County of Ocean may procure the articles or services from other sources and hold the bidder or contractor responsible for any excess cost occasioned thereby.

Indemnity

The bidder, if awarded a contract, agrees to protect, defend and save harmless the County against any damage for payment for the use of any patented material process, article or device that may

enter into the manufacture, construction or form a part of the work covered by either order or contract, and he further agrees to indemnify and save harmless the County from suits or actions of every nature and description brought against it, for, or on account of injuries or damages received or sustained by any party or parties by, or from any of the negligent acts of the contractor, his servants or agents.

Specifications

It is to be understood by the bidder that this bid is submitted on the basis of specifications prepared by the County and the fact that any bidder is not familiar with these specifications or conditions will not be accepted as an excuse.

Bid Security

NO BID SECURITY

Performance Bond

NO PERFORMANCE BOND

Pricing Proposal

Bidders must use the pricing proposal provided in the bid specifications. Failure to use the pricing proposal in the bid specifications shall be cause for rejection of the bid.

Pricing

Insert prices for furnishing all of the material and/or labor described or required. Prices shall be net, including any charges for packing, crating, containers, etc. and all transportation charges fully prepaid by the contractor F.O.B. destination and placement at locations specified by the County. No additional charges will be allowed for any transportation costs resulting from partial shipments made at the vendor's convenience when a single shipment is ordered.

Payment

Payments will be made upon the approval of vouchers submitted by the successful bidders in accordance with the requirements of the Board of Commissioners and subject to the Board of Commissioners customary procedures. The County will not pay interest or late fees regardless of language provided.

Discrepancy in Pricing

In the event that there is a discrepancy between the unit prices and the extended totals, the unit prices shall prevail. In the event there is an error of the summation of the extended totals, the computation by the OWNER of the extended totals shall govern.

Award Timeframe

Award will be made by Ocean County Board of Commissioners within sixty (60) days after receipt of bids.

Equal or Tie Bids

The County of Ocean reserves the right to award at their discretion to any one of the tie bidders where it is most advantageous for the County to do so, pursuant to N.J.S.A. 40A:11-6.1.

Tax Exempt

The County of Ocean is exempt from any State sales tax or Federal excise tax.

Equivalent Product

For purpose of evaluation where an equivalent product is being furnished, bidder must indicate any variation to our specifications no matter how slight. If no variations are indicated, it will be construed that the bid fully complies with our specifications.

Quantities

Quantities shown are approximate and the County reserves the right to decrease or omit quantities. The County will not consider minimums placed on order quantities. The County also reserves the right to increase quantities to twenty (20) percent of the maximum quantities listed at the unit price bid, in accordance with N.J.A.C. 5:30-11.3.

Delivery of Goods and Services

Delivery shall be made upon receipt of a Purchase Order issued by the Ocean County Department of Purchase, upon which delivery locations and needed quantities shall be indicated.

American Goods and Products

All contractors must comply with the provisions of New Jersey Statute Title 40A:11-18, when applicable.

Assignment

This agreement shall not be assigned without the written consent of the County of Ocean.

NJ One Call

By presenting a bid, contractor declares that he is aware of and, if required, will comply with the requirements of the "Underground Facility Protection Act (Public Law 1994, Chapter 118)" prior to commencing any intended excavation. The telephone number to call is 1-800-272-1000.

Public Works Contractor Registration Act, N.J.S.A. 34:11-56.48 et seq

The bidder must comply with the provisions of "The Public Works Contractor Registration Act", if applicable.

- All named contractors must be registered with the Department of Labor and Workforce Development pursuant to the Public Works Contractor Registration Act at the time the proposal is received, or the proposal will be determined to be non-responsive.
- Any non-listed contractor must be registered with the Department of Labor and Workforce Development prior to physically starting work. It is the responsibility of the General Contractor to insure that all non-listed sub-contractors comply.
- Contractors are encouraged to submit their and all named sub-contractors' Public Works Contractor Registration Certificates with the bid.

Prevailing Wage & Labor Laws

The New Jersey Prevailing Wage Act (P.L. 1963, Chapter 150) and provisions of the State Labor Laws must be complied with by the successful bidder, if applicable. The current Prevailing Wage Rates can be found online at <https://www.nj.gov/labor/wageandhour/prevailing-rates/public-works/currentprevailingwage.shtml>

New Jersey Business Registration Requirements

Pursuant to N.J.S.A. 52:32-44, Ocean County ("Contracting Agency") is prohibited from entering into a contract with an entity unless the bidder/proposer/contractor, and each subcontractor that is required by law to be named in a bid/proposal/contract has a valid Business Registration Certificate on file with the Division of Revenue and Enterprise Services within the Department of the Treasury.

Prior to contract award or authorization, the contractor shall provide the Contracting Agency with its proof of business registration and that of any named subcontractor(s).

Subcontractors named in a bid or other proposal shall provide proof of business registration to the bidder, who in turn, shall provide it to the Contracting Agency prior to the time a contract, purchase order, or other contracting document is awarded or authorized.

During the course of contract performance:

- (1) the contractor shall not enter into a contract with a subcontractor unless the subcontractor first provides the contractor with a valid proof of business registration.
- (2) the contractor shall maintain and submit to the Contracting Agency a list of subcontractors and their addresses that may be updated from time to time.
- (3) the contractor and any subcontractor providing goods or performing services under the contract, and each of their affiliates, shall 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, (N.J.S.A. 54:32B-1 et seq.) on all sales of tangible personal property delivered into the State. Any questions in this regard can be directed to the Division of Taxation at (609)292-6400. Form NJ-REG can be filed online at [http://www.state.nj.us/revenue/busregcert.shtml](http://www.state.nj.us/reasury/revenue/busregcert.shtml).

Before final payment is made under the contract, the contractor shall submit to the Contracting Agency a complete and accurate list of all subcontractors used and their addresses.

Pursuant to N.J.S.A. 54:49-4.1, a business organization that fails to provide a copy of a business registration as required, or that provides false business registration information, shall be liable for a penalty of \$25 for each day of violation, not to exceed \$50,000, for each proof of business registration not properly provided under a contract with a contracting agency.

Pay to Play Requirements

Starting in January 2007, all business entities are advised of their responsibility to file an annual disclosure statement of political contributions with the New Jersey Election Law Enforcement Commission (ELEC) pursuant to N.J.S.A. 19:44A-20.27 if they receive contracts in excess of \$50,000 from public entities in a calendar year. Business entities are responsible for determining if filing is necessary. Additional information on this requirement is available from ELEC at 888-313-3532 or at www.elec.state.nj.us.

Statement of Ownership

The provisions of N.J.S.A. 52:25-24.2 applies to all forms of corporations and partnerships, including, but not limited to, limited partnerships, limited liability corporations, limited liability partnerships, and Subchapter S corporations.

Certification of Non-Involvement in Prohibited Activities in Iran

Certification of Non-Involvement in Prohibited Activities in Iran. Pursuant to N.J.S.A. 52:32-58, the proposer must certify that neither the proposer, nor one of its parents, subsidiaries, and/or affiliates (as defined in N.J.S.A. 52:32-56(e)(3)), is listed on the Department of the Treasury's List of Persons or Entities Engaging in Prohibited Investment Activities in Iran and that neither is involved in any of the investment activities set forth in N.J.S.A. 52:32-56(f). If the proposer is unable to so certify, the proposer shall provide a detailed and precise description of such activities. Prior to contract award or authorization, the contractor shall provide the Contracting Agency with a completed Certification on Non-Involvement in Prohibited Activities in Iran.

Certification of Non-Involvement In Prohibited Activities in Russia or Belarus

Pursuant to N.J.S.A. 52:32-60.1, the "person or entity" (as defined in N.J.S.A. 52:32-60.1, et seq) seeking to enter into or renew a contract for the provision of goods or services or the purchase of bonds or other obligations shall certify that it is not "engaging in prohibited activities in Russia or Belarus" (as such term is defined in as defined in N.J.S.A. 52:32-60.1, et seq. If the person or entity is unable to certify, the person or entity shall provide a detailed and precise description of such activities. The N.J.S.A. 52:32-60.1 certification form must be completed prior to contract award and is provided in the specification documents (DocuSign).

Vendors may view the Precluded Entities List Here:

<https://www.nj.gov/treasury/administration/pdf/RussiaBelarusEntityList.pdf>

Insurance Requirements

The contractor shall maintain primary insurance to protect against all claims under Workmen's Compensation, Comprehensive General Liability and Automobile. Except for Workmen's Compensation, all coverage shall apply as primary coverage with respect to any other insurance or self-insurance program afforded to the County. There shall be no endorsement or modification of this coverage to make it excess over other available insurance/coverage; alternatively, if the CGL and umbrella, excess of reinsurance states that it is pro rata, it shall be endorsed to be primary with respect to the County. Primary Coverage shall be subject to approval for adequacy of protection as per the following limits:

Worker's Compensation

1. Limits according to Worker's compensation Laws of the State of New Jersey.
2. Contractor's Liability not less than \$100,000.

Comprehensive General Liability

1. Bodily Injury - \$500,000 per person; \$1,000,000 per occurrence.
2. Property Damage - \$1,000,000 per occurrence.

Comprehensive General Liability Details

Comprehensive Automobile Liability shall include the following:

Business auto liability insurance or its equivalent with a minimum limit of \$1,000,000 per accident and including coverage for all of the following:

- A. Liability arising out of the ownership, maintenance or use of any auto;
- B. Auto non-ownership and hired car coverage.
- C. Contractor's Worker's Compensation, Comprehensive General Liability and
- D. Comprehensive Automobile Liability arising out of subcontractor's operations shall be identical as that listed above.

Proof of Insurance

Copies of each insurance certificate shall be furnished to the County when requested.

AWARD METHOD

Contract will be awarded on a lump sum by section basis.

MANDATORY EQUAL EMPLOYMENT OPPORTUNITY

N.J.S.A. 10:5-31 et seq. (P.L. 1975, C. 127)

N.J.A.C. 17:27

GOODS, PROFESSIONAL SERVICE AND GENERAL SERVICE CONTRACTS

During the performance of this contract, the contractor agrees as follows:

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 be 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.

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.

The contractor or subcontractor will send to each labor union, with which it has a collective bargaining agreement, a notice, to be provided by the agency contracting officer, advising the labor union of the contractor's commitments under this chapter and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

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.

The contractor or subcontractor agrees to make good faith efforts to meet targeted county employment goals established in accordance with N.J.A.C. 17:27-5.2.

The contractor or subcontractor agrees to inform in writing its appropriate recruitment agencies including, but not limited to, employment agencies, placement bureaus, colleges, universities, and labor unions, that it does not discriminate on the basis of age, race, 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.

The contractor or subcontractor agrees to revise any of its testing procedures, if necessary, to assure that all personnel 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.

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, race, 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.

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 (electronically provided by the Division and distributed to the public agency through the Division's website at www.state.nj.us/treasury/contract_compliance)

The contractor and its subcontractors shall furnish such reports or other documents to the Division of Purchase & Property, CCAU, EEO Monitoring Program as may be requested by the office 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 Purchase & Property, CCAU, EEO Monitoring Program for conducting a compliance investigation pursuant to **Subchapter 10 of the Administrative Code at N.J.A.C. 17:27.**

AMERICANS WITH DISABILITIES ACT

Equal Opportunity For Individuals With Disabilities

The CONTRACTOR and the COUNTY do hereby agree that the provisions of title II of the Americans with Disabilities Act of 1990 (the "Act") (42 U.S.C. 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 pursuant thereto, are made a part of this contract. In providing any aid, benefit, or service on behalf of the COUNTY pursuant to this contract, the CONTRACTOR agrees that the performance shall be in strict compliance with the Act. In the event that the CONTRACTOR, its agents, servants, employees, or subcontractors violate or are alleged to have violated the Act during the performance of this contract, the CONTRACTOR shall defend the COUNTY in any action or administrative proceeding commenced pursuant to this Act. The CONTRACTOR shall indemnify, protect and save harmless the COUNTY, its agents, servants and employees from and against any and all suits, claims, losses, demands, or damages of whatever kind or nature arising out of or claimed to arise out of the alleged violation. The 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 therewith. In any and all complaints brought pursuant to the COUNTY'S grievance procedure, the CONTRACTOR agrees to abide by any decision of the COUNTY which is rendered pursuant to said grievance procedure. If any action or administrative proceeding results in an award of damages against the COUNTY or if the COUNTY incurs any expense to cure a violation of the ADA which has been brought pursuant to its grievance procedure, the CONTRACTOR shall satisfy and discharge the same at its own expense.

The COUNTY shall, as soon as practicable after a claim has been made against it, give written notice thereof to the CONTRACTOR along with full and complete particulars of the claim. If any action or administrative proceeding is brought against the COUNTY or any of its agents, servants and employees, the COUNTY shall expeditiously forward or have forwarded to the CONTRACTOR every demand, complaint, notice, summons, pleading, or other process received by the COUNTY or its representatives.

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

It is further agreed and understood that the COUNTY assumes no obligation to indemnify or save harmless the CONTRACTOR, its agents, servants, employees and subcontractors for any claim which may arise out of their performance of this Agreement. Furthermore, the CONTRACTOR expressly understands and agrees that the provision of this indemnification clause shall in no way limit the CONTRACTOR'S obligations assumed in this Agreement, nor shall they be construed to relieve the CONTRACTOR from any liability, nor preclude the COUNTY from taking any other actions available to it under any other provisions of this Agreement or otherwise at law.

INTENT

CONTRACT TERMS

The contract shall be for two (2) years from date of award, or until delivery is complete unless otherwise stated. The County reserves the right to extend the term of the contract pursuant to N.J.S.A. 40A:11-15.

INTENT

The purpose of this bid package is to provide the County of Ocean with a Contractor who will supply the materials described and specified herein.

NO ASSIGNMENT

This agreement shall not be assigned without the written consent of the County of Ocean which consent shall not be unreasonably withheld. Assignee shall promptly prepare and complete such documents as the County shall require.

OWNERSHIP DISCLOSURE

All contractors shall comply with all laws governing the disclosure of all stockholders or partners, as included in N.J.S.A. 52:25-24.2.

BID REVIEW

Bids may be reviewed at the bid opening and results will be made available online through the County's procurement portal once the bid meeting has concluded. Additionally, bid results are available in the Ocean County Purchasing Department on the day following the bid openings for any interested party that may wish to review them.

AVAILABILITY OF FUNDS

The County's obligation hereunder is contingent upon the availability of appropriated funds from which payment for contract purposes can be made. No legal liability on the part of the County for payment of any money shall arise unless, and until funds are made available each year to the Ocean County Purchasing Agent.

MODIFICATIONS AND WITHDRAWALS

Bids may be withdrawn from the bidder prior to the time fixed for opening. No right for withdrawal exists after the bid has been opened. Written request for withdrawal shall be signed by the bidder or proper corporate officers.

TRANSITIONAL PERIOD

In the event services are terminated by contract expiration or by voluntary termination by either the Contractor or the County of Ocean, the Contractor shall continue all terms and conditions of said contract for a period not to exceed one (1) month at the County's request.

CURRENT BID RESULTS

If there is a current contract in place for this bid, those results may be obtained by accessing our procurement portal at the below link:

<https://procurement.opengov.com/portal/oceancounty>

Once you have clicked the link, click "Advanced Search" to begin searching for the current opportunity.

SPECIFICATIONS AND SCOPE OF WORK

Specifications and Scope of Work

See "Attachments", "Project Documents" for detailed specifications.

VENDOR QUESTIONNAIRE

BID DOCUMENTS TO BE EXECUTED*

Documents include:

- Signature Page
- Non-Collusion Certification
- Affirmative Action Questionnaire
- **Statement of Ownership (N.J.S.A. 52:25-24.2) (Mandatory Document)**
- Prohibited Russia-Belarus Activities & Iran Investment Activities

FAILURE TO SUBMIT ANY OF THESE DOCUMENTS MAY BE CAUSE FOR REJECTION OF YOUR PROPOSAL.

All documents should be from this proposal package as forms change frequently and the most updated forms are provided in this specification. The forms must not be dated or executed prior to the date of advertising.

NOTE: For detailed instructions on how to complete the forms via DocuSign, please access the "Instructions for Completing Forms in DocuSign" document available in the Attachments.

Please note: The County's preferred method of submission is DocuSign.

[Click here to go to the form](#)

*Response required

Copy of Bidder's Certificate of Employee Information Report

Within seven (7) days after receipt of the notification of intent to award the contract or receipt of the contract, whichever is sooner, a Contractor should present one of the following to the County of Ocean:

- (a) An existing federally approved or sanctioned affirmative action program.
- (b) A New Jersey Certificate of Employee Information Report Approval.
- (c) If the Contractor cannot present "a" or "b", the Contractor is required to submit a completed Employee Information Report (Form AA302 for Goods and Services; Form AA201 for Construction). This form is available [here](#).

QUESTIONS BELOW MUST BE ANSWERED BY ALL CONTRACTORS ON THE AFFIRMATIVE ACTION DOCUMENT:

1. Do you have a Federally approved or sanctioned Affirmative Action Program?

If yes, please upload a photocopy of such approval.

2. Do you have a State of New Jersey "Certificate of Employee Information Report" approval?

If yes, please upload a photocopy of such certificate.

Please note, the only acceptable file forms are as follows:

Documents (doc, docx, rtf, txt, xls, xlsx, pdf)

Images (jpg, png, bmp, tif)

Copy of Bidder's New Jersey Business Registration Certificate

Please use this area to upload your company's BRC.

Use this link to verify your company's BRC:

https://www1.state.nj.us/TYTR_BRC/jsp/BRCLoginJsp.jsp

Please note that a BRC is not required at the time of bid submission but shall be required prior to the award of a contract.

Please note, the only acceptable file forms are as follows:

Documents (doc, docx, rtf, txt, xls, xlsx, pdf)

Images (jpg, png, bmp, tif)

Mandatory Equal Employment Opportunity Statement*

Does the BIDDER comply with the [#Mandatory Equal Employment Opportunity Statement?](#)

Yes

No

*Response required

Americans with Disabilities Act Provisions*

Does the BIDDER comply with the [#Americans with Disabilities Act Provisions?](#)

Yes

No

*Response required

ADDITIONAL VENDOR DOCUMENTATION

Please submit any additional information you wish to be considered as part of your bid package.

Please note, the only acceptable file forms are as follows:

Documents (doc, docx, rtf, txt, xls, xlsx, pdf)

Images (jpg, png, bmp, tif)

Acknowledgement of Submission of Forms from Current Bid Package*

Bidders shall complete all documents and acknowledge all terms included with the bid package. All documents should be from this bid package as forms change frequently and the most updated forms are provided in this specification. The forms must not be dated or executed prior to the date of advertising. Failure to follow these instructions is cause for rejection.

Please confirm
*Response required

Submission of Bid Package*

By submitting a response to this solicitation, the Vendor understands and acknowledges that all required documents to this solicitation must be submitted and that failure to do so may be cause for rejection.

Bidder also understands that only one (1) bid submission shall be considered. Please DO NOT Submit a manual bid response. Submitting a manual response in addition to the electronic response is cause for rejection of your bid.

Please confirm
*Response required

PRICING PROPOSAL**CONTRACT A**

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	Comments
1	2nd Quarter Monitoring for five (5) GW Monitoring Wells, As Specified	10	EA			
2	2nd Quarter Monitoring for two (2) Leachate Seeps and one (1) Surface Water Location, As Specified	6	EA			
3	4th Quarter Monitoring for five (5) GW Monitoring Wells, As Specified	10	EA			
4	4th Quarter Monitoring for two (2) Leachate Seeps and one (1) Surface Water Location, As Specified	6	EA			
TOTAL						

CONTRACT B

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	Comments
5	2nd Quarter Monitoring for seventeen (17) GW Monitoring Wells, As Specified	34	EA			
6	4th Quarter Monitoring for seventeen (17) GW Monitoring Wells, As Specified	34	EA			
TOTAL						

GROUNDWATER MONITORING:
CONTRACT A & CONTRACT B
SPECIFICATIONS

TERMS DEFINED

For purposes of this agreement the term ‘assignment’ shall mean and include, in addition to its ordinary usage but not limited to, the sale, transfer, gift, exchange, devise or purchase directly or indirectly of the stock, note, bond, debenture, option, subscription, warrant or right to purchase such securities, or any other instrument of a similar nature wherein the holder becomes the beneficial owner of more than 10 per centum of the equity of the Assignor.

SCOPE OF SERVICES

Bids for Groundwater Monitoring at the Ocean County Northern Recycling Center (Contract A) located at 601 New Hampshire Avenue in Lakewood and at the Southern Ocean County Landfill (Contract B) located at the intersection of Routes 532 and 611 in Ocean Township, New Jersey are requested. For Contract A, sampling will include five (5) groundwater monitoring wells, two (2) leachate seeps and one (1) surface water location; leachate seeps and surface water location may be dry during sampling events and may be skipped in that event. For Contract B, sampling will include seventeen (17) groundwater monitoring wells. Both Contract A and B require semiannual testing, in the 2nd and 4th quarter of each year. Analysis will adhere to New Jersey Department of Environmental Protection (NJDEP) standards. Further requirements are detailed as follows:

1. Laboratory must be NJDEP certified and capable of performing all required sampling and analysis.
2. All sampling and analysis shall be in accordance with NJPDES Permit #00061085 for Contract A, and NJPDES Permit #0050482 for Contract B. (Copies attached)
3. One (1) copy of the analytical results, on NJDEP-approved forms, shall be submitted to the Director of the Ocean County Department of Solid Waste Management within forty-five (45) days of the sampling event.
4. All sampling locations will require the same analysis for each respective sampling event.
5. For Contract A, all sampling is to be done during May and November of each year and reports are to be submitted within forty-five (45) days of sampling. The County is to receive two (2) weeks advance notification of scheduled sampling. Failure to sample during the proper months and/or submit reports on time may result in a penalty of \$50.00 per business day until sampling and/or reporting is complete.
6. For Contract B, all sampling is to be done during May and November of each year and reports are to be submitted within forty-five (45) days of sampling. The County is to receive two (2) weeks advance notification of scheduled sampling. Failure to sample during the proper quarters may result in a penalty of \$50.00 per business day until sampling and/or reporting is complete.
7. For Contract A, payment to the laboratory shall be processed only after the receipt of a proper invoice/complete analytical results. There shall be no charges for dry locations. No exceptions.
8. For Contract B, payment to laboratory shall be processed only after the receipt of a proper invoice/complete analytical results, and pending the release of escrow funds controlled by the NJDEP. In order to avoid delays in processing due to required NJDEP approvals, invoices should be promptly submitted.

QUALIFICATIONS OF BIDDER

Each bidder shall be prepared, if so requested by the County, to present evidence of experience, qualifications and financial ability to carry out the terms of the contract. This evidence shall include work done in the last five (5) years.

EXAMINATION OF CONTRACT DOCUMENTS

Each bidder shall fully acquaint and familiarize themselves with conditions as they exist, and the contractor of the operations to be carried on under the proposed contract, and make such investigation as they may see fit so that they shall fully understand the facilities, difficulties, and restrictions attending the work under the contract. Each bidder shall also thoroughly examine and become familiar with all Contract Documents and Specifications. By submitting a proposal, each bidder covenants and agrees they have carefully examined the specifications and addenda (if any), and from their own investigations have fostered understanding of the nature and locations of the work or its performance. Further, due to such examination, they fully understand the intent and purpose thereof, and obligations thereunder, and will not make any claims for or have any right to damages because of misinterpretation or misunderstanding of the contract, or because of lack of information.

PERMITS, FEES AND INSTRUCTIONS

The contractors shall secure and pay for all permits, fees, licenses, and inspections necessary in full compliance with all laws, ordinances, and regulations applicable. The contractor must coordinate these activities with the Ocean County Department of Solid Waste Management at 732.506.5047.

MODIFICATIONS AND WITHDRAWALS

Telegraphic bids will not be considered. Bids may be withdrawn based on written request received from the bidder prior to the time fixed for opening. No right for withdrawal exists after the bid has been opened. Written request shall be signed by the bidder or proper corporate officers.

CONTRACT A



State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION

DIVISION OF WATER RESOURCES

CN 029

TRENTON, NEW JERSEY 08625

Water Quality Management

JOHN W. GASTON JR., P.E.
DIRECTOR

DIRK C. HOFMAN, P.E.
DEPUTY DIRECTOR

CERTIFIED MAIL

RETURNED RECEIPT REQUESTED

Mr. Gilbert J. Carlson
Lakewood Township
231 Third Street
Lakewood, NJ 08701

March 21, 1986

Re: Old Lakewood Township Landfill (New Hampshire Ave.)
NJPDES Permit No. NJ0061085
Effective Date:

Dear Mr. Carlson:

Enclosed is the final NJPDES/Groundwater Discharge Permit to discharge pollutants to the groundwaters of the State, issued in accordance with the New Jersey Pollutant Discharge Elimination System Regulations, N.J.A.C. 7:14A-1 et seq. Violation of any condition of this permit may subject you to significant penalties.

Within 30 calendar days following your receipt of this permit, under N.J.A.C. 7:14A-8.6 you may submit a request to the Administrator for an adjudicatory hearing to reconsider or contest the conditions of this permit. Regulations regarding the format and requirements for requesting an adjudicatory hearing may be found in N.J.A.C. 7:14A-8.9 through 8.13. The request should be made to:

Administrator
Water Quality Management Element
Division of Water Resources
CN-029
Trenton, New Jersey 08625

Application for renewal of this permit must be submitted at least 180 days prior to expiration of this permit pursuant to N.J.A.C. 7:14A-2.1(f)5.

If you should have any question on this action, please contact the Bureau of Groundwater Quality Management at (609) 292-0424.

Sincerely,

John J. Trela, Ph.D., Chief

CONTRACT A



STATE OF NEW JERSEY
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
 CN 402
 Trenton, N.J. 08625



PERMIT

The New Jersey Department of Environmental Protection grants this permit in accordance with your application, attachment accompanying same application, and applicable laws and regulations. This permit is also subject to the further conditions and stipulations enumerated in the supporting documents which are agreed to by the permittee upon acceptance of the permit.

Permit No. NJ# 00061085	Issuance Date 3/21/86	Effective Date 5/1/86	Expiration Date 4/30/89
Name and Address of Applicant Lakewood Township 231 Third Street Lakewood, NJ 08701	Location of Activity/Facility Old Lakewood Twp Landfill New Hampshire Avenue Lakewood, NJ 08701	Name and Address of Owner SAME AS ABOVE	
Issuing Division WATER RESOURCES	Type of Permit NJPDES Permit for Discharge to Ground Water	Statute(s) N.J.S.A. 58:10A-1 <u>et seq.</u> N.J.S.A 7:14A-1 <u>et seq.</u>	Application No. NA

This permit requires Lakewood Township to monitor the ground water at a sanitary landfill in Lakewood by operating and maintaining 5 ground water monitoring wells according to the specific and general conditions of this Initial Interim NJPDES permit. The Initial Interim NJPDES permit is intended to establish an adequate ground water monitoring program at the above named facility. This permit is only intended to obtain ground water data to evaluate the current status and impact of this facility on ground water. It shall not be construed, nor is it intended to be an approval of any activity that the permittee has conducted which adversely affects the environment, ground or surface water quality, or threatens the public health, safety or welfare.


The issuance of this Initial Interim permit does not indicate that the Department has made a determination of the technical adequate of the information available. Initial Interim permits shall not be construed as, nor are they intended to be, long-term approvals, these permits are of limited duration.

The data generated through the Initial Interim NJPDES permit will be used by the Department to evaluate the current status and impact of existing facilities on ground water quality. It will also give the Department information to determine if there is any potential of actual threat to public health or safety or damage to the environment due to current or past practices. Based on the information generated by the issuance of this permit, the Department may require the permittee to reduce the quantity of discharge, upgrade or install additional treatment, install additional monitor wells, conduct ground water decontamination procedures or cease discharges to waters of the state.

The issuance of this Initial Interim NJPDES permit does not bind the Department to renew this permit, nor does it relieve the permittee of the duty to submit additional information as specified in Chapters 6 and 10 of the NJPDES regulations at the time of application renewal or as may be required by the Department prior to permit renewal. Additionally, this Initial Interim NJPDES permit does not relieve the permittee of any liabilities associated with public health or safety problems or environmental damage created as a result of the permittee's activities.

Documents attached hereto shall become part of this permit.

Approved by the Department of Environmental Protection
 BY AUTHORITY OF:
 JOHN W. GASTON, JR., P.E.
 DIRECTOR
 DIVISION OF WATER RESOURCES


 ARNOLD SCHIFFMAN, ADMINISTRATOR DATE
 WATER QUALITY MANAGEMENT

*The word permit means "approval, certification, registration, etc."

FACT SHEET

For LANDFILLS to Discharge
Into the Groundwaters of the State

NAME AND ADDRESS OF APPLICANT:

County of Ocean
Department of Solid Waste Management
P.O. Box 2191
Toms River, NJ 08754-2191

NAME AND ADDRESS OF FACILITY WHERE DISCHARGE OCCURS:

Old Lakewood Township Landfill
601 New Hampshire Avenue
Lakewood, NJ 08701

RECEIVING WATER:

Ground waters of the state. The discharge is to the Cohansey Sand Formation which is Tertiary in age.

DESCRIPTION OF FACILITY:

The Old Lakewood Township Landfill is a closed 58 acre facility which had accepted municipal, bulky, and vegetative wastes. The Ocean County Northern Recycling Center is located on this landfill.

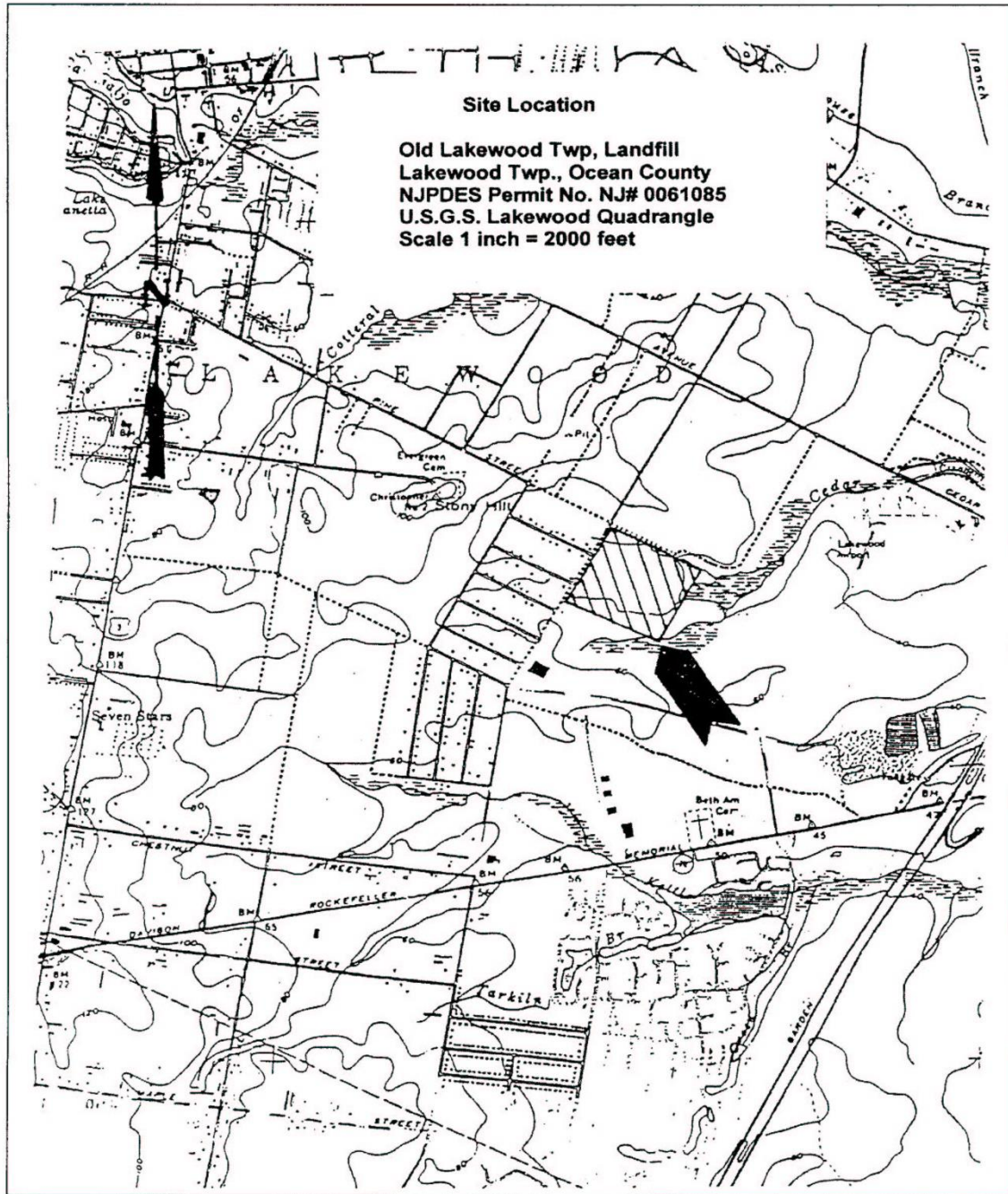
DESCRIPTION OF NJPDES GROUNDWATER MONITORING PERMIT:

The discharge from the landfill is in the form of leachate. Five (5) groundwater monitoring wells will be tested on a periodic basis.

PERMIT CONDITIONS:

Issue an initial NJPDES permit with the attached general and special conditions.

CONTRACT A



CONTRACT ASTATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES

GENERAL CONDITIONS FOR ALL NJDPES DISCHARGE PERMITS

1. Duty to Comply

- A. The permittee shall comply with all conditions of this New Jersey Pollutant Discharge Elimination System (NJPDES) permit. No pollutant shall be discharged more frequently than authorized or at a level in excess of that which is authorized by the permit. The discharge of any pollutant not specifically authorized in the NJPDES permit or listed and quantified in the NJPDES application shall constitute a violation of the permit, unless the permittee can prove by clear and convincing evidence that the discharge of the unauthorized pollutant did not result from any of the permittee's activities which contribute to the generation of its waste waters. Any permit noncompliance constitutes a violation of the New Jersey Water Pollution Control Act (N.J.S.A. 58:10A-1 et seq.; hereinafter referred to as the State Act) or other authority of the NJPDES regulations (N.J.A.C. 7:14A-1 et seq.) and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.
- B. A permittee shall not achieve any effluent concentration by dilution. Nor shall a permittee increase the use of process water or cooling water or otherwise attempt to dilute a discharge as a partial or complete substitute for adequate treatment to achieve permit limitations or water quality standards.
- C. The permittee shall comply with applicable effluent standards or prohibitions established under Section 307 (a) of the "Federal Water Pollution Control Act" (PL 92-500 et seq.; hereinafter referred to as the Federal Act) and Section 4 of the State Act for toxic pollutants within the time provided in the regulations that established these standards or prohibitions, even if the permit has not yet been modified to incorporate the requirement.
- D. The State Act provides that any person who violates a permit condition implementing the State Act is subject to a civil penalty not to exceed \$10,000 per day of such violation. Any person who willfully or negligently violates permit conditions implementing the State Act is subject to a fine of not less than \$2,500 nor more than \$25,000 per day of violation, or by imprisonment for not more than 1 year, or both.
- E. The permittee is required to comply with all other applicable federal, state and local rules, regulations, or ordinances. The issuance of this permit shall not be considered as a waiver of any other requirements.

2. Permit Expiration

This permit and the authorization to discharge shall expire at midnight on the expiration date of the permit. The permittee shall not discharge after the above date of expiration of the permit.

- A. Duty to Reapply. If the permittee wishes to continue an activity regulated by a NJPDES permit after the expiration date of the permit, the permittee shall apply for and obtain a new permit. (If the activity is to be continued, the permittee shall complete, sign, and submit such information,

CONTRACT A

- A. (cont'd)
forms, and fees as are required by the Department no later than 180 days before the expiration date). The permittee shall follow the requirements stated in paragraph 12.A. when signing any application.
- B. Continuation of Expiring Permits
- (1) The conditions of an expired permit are continued in force pursuant to the “Administrative Procedure Act,” N.J.S.A. 52:14B-11, until the effective date of a new permit if:
- a. The permittee has submitted a timely and complete application for renewal as provided in Sections 2.1 and (3.2 DSW) (4.4 IW MF) (5.8 UIC) and Subchapter 10 of the NJPDES Regulations; and
 - b. The Department through no fault of the permittee, does not issue a new permit with an effective date under Section 8.6 of the NJPDES Regulations on or before the expiration date of the previous permit (e.g., when issuance is impracticable due to time or resource constraints).
- (2) Permits continued under this section remain fully effective and enforceable.
- (3) Enforcement. When the permittee is not in compliance with the conditions of the expiring or expired permit the Department may choose to do any or all of the following:
- a. Initiate enforcement action based upon the permit which has been continued;
 - b. Issue a notice of intent to deny the new permit under Section 8.1 of the NJPDES Regulations. If the permit is denied, the owner or operator would then be required to cease the activities authorized by the continued permit or be subject to enforcement action for operating without a permit;
 - c. Issue a new permit under Subchapters 7 and 8 of the NJPDES Regulations with appropriate conditions; or
 - d. Take other action authorized by the NJPDES Regulations or the State Act.

3. Duty to Halt or Reduce Activity

- A. It shall not be a defense for a 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 this permit.
- B. Upon reduction, loss, or failure of the treatment facility, the permittee shall, to the extent necessary to maintain compliance with its permit, control production or discharges or both until the facility is restored permitted limits or an alternative method of treatment is provided. This requirement applies, for example, when the primary source of power of the treatment facility fails or is reduced or lost.

4. Duty to Mitigate

The permittee shall take all reasonable steps to minimize or correct any adverse impact on the environment resulting from noncompliance with this permit, including but not limited to accelerated and/or additional types of monitoring, temporary repairs or other mitigating measures.

CONTRACT A**5. Proper Operation, Maintenance and Licensing**

- A. The permittee shall at all times maintain in good working order and operate as efficiently as possible all treatment works, facilities, and systems of treatment and control (and related appurtenances) for collection and treatment which are installed or used by the permittee for water pollution control and abatement to achieve compliance with the terms and conditions of the permit. Proper operation and maintenance includes but is not limited to effective performance based on designed facility removals, adequate funding, effective management, adequate operator staffing and training and adequate laboratory and process controls including appropriate quality assurance procedures as described in 40 CFR Part 136 and applicable State Law and regulations. All permittees who operate a treatment works, except for sanitary landfills and land application of sludge or septage, must satisfy the licensing requirements of the "Licensing of Operators of Wastewater and Water Systems" N.J.S.A. 58:11-64 et seq. or other applicable law. This paragraph requires the operation of back-up or auxiliary facilities or similar systems when necessary to achieve compliance with conditions of the permit or where required by applicable law.

6. Facilities Operation and Operator Certification

The operation of any treatment works shall be under the supervision of an operator on the first day of operation of the treatment works and continually thereafter in accordance with paragraph 5.A above. The operator shall meet the requirements of the Department in order that his qualifications may be determined prior to initiating operation of the proposed treatment works.

7. Permit Actions

- A. This permit may be modified, suspended, revoked and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.
- B. Causes for modification, revocation and reissuance, and suspension are set forth in N.J.A.C. 7:14A-2.12 et seq.
- C. The following are causes for terminating or modifying a permit during its term, or for denying a permit renewal application:
- (1) Noncompliance by the permittee with any condition of the permit;
 - (2) Failure to pay applicable fees (N.J.A.C. 7:14A-1.8), including the annual NJPDES permit fee which has been assessed by the New Jersey Department of Environmental Protection (NJDEP, hereinafter referred to as the Department);
 - (3) The permittee's failure in the application or during the permit issuance process of a National Pollutant Discharge Elimination System (NPDES), Discharge Allocation Certificate (DAC), NJPDES, Treatment Works Approval (TWA) or Construct and Operate permit to disclose fully all relevant facts, or the permittee's misrepresentation of any permit condition;

CONTRACT A**7. Permit Actions (cont'd)**

- (4) A determination that the permitted activity endangers human health or the environment and can only be regulated to acceptable levels by permit modification or termination;
- (5) When there is a change in any condition that requires either a temporary or a permanent reduction or elimination of any discharge controlled by the permit (for example, plant closure or termination of discharge by connection to a Domestic Treatment Works (DTW));
- (6) The nonconformance of the discharge with any applicable facility, basin or area wide plans;
- (7) If such permit is inconsistent with any duly promulgated effluent limitation, permit, regulation, statute, or other applicable state or federal law; or
- (8) If a toxic effluent standard or prohibition is established pursuant to New Jersey Water Pollution Control Act N.J.S.A. 58:10A-1 et seq. or the regulations adopted pursuant to it, for a toxic pollutant which is present in the discharge, and such is more stringent than any limitation for such pollutant in this permit, this permit shall be revised or modified in accordance with the toxic effluent standard or prohibition and the permittee so notified of the revision or modification and date of required compliance.

8. Property Rights, Liability, and Other Laws

- A. This permit does not convey any property rights of any sort or any exclusive privileges.
- B. Nothing in this permit shall be deemed to preclude the institution of any legal action nor relieve the permittee from any responsibilities or penalties to which the permittee is or may be subject to under any federal, state or local law or regulation.
- C. Nothing in this permit shall be deemed to preclude the institution of any legal action nor relieve the permittee from any responsibilities or penalties to which the permittee is or may be subject to under any federal, state or local law or regulation.

9. Duty to Provide Information

- A. The permittee shall furnish to the Director, Division of Water Resources, NJDEP, (hereinafter referred to as the Director), within a reasonable time, any information which the Director may request to determine whether cause exists for modifying, suspending, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The permittee shall also furnish to the Director, upon request, copies of records required to be kept by this permit.
- B. Where the permittee becomes aware that he has failed to submit any relevant facts in a permit application, or has submitted incorrect information in a permit application or in any report to the Director, the permittee shall promptly submit such facts or information.

10. Inspection and Entry

- A. The permittee shall allow the Regional Administrator of the United States Environmental Protection Agency (USEPA), the Department, or any authorized representative(s), upon the presentation of credentials and other documents as may be required by law, to:

CONTRACT A**10. Inspection and Entry (cont'd)**

- (1) Enter upon the permittee's premises where a discharge source is or might be located or in which monitoring equipment or records required by a permit are kept, for purposes of inspection, sampling, copying or photographing. Photography shall be allowed only as related to the discharge;
 - (2) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
 - (3) Inspect, at reasonable times, any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; and
 - (4) Sample or monitor, at reasonable times, for the purpose of assuring permit compliance or as otherwise authorized by the State Act, any substances or parameters at any location. This shall include, but not limited to, the drilling or installation or monitoring wells for the purpose of obtaining samples of groundwater, soil and vegetation and measuring groundwater elevations.
- B. Any refusal by the permittee, facility land owner(s), facility lessee(s), their agents, or any other person(s) with legal authority, to allow entry to the authorized representatives of the NJDEP and/or USEPA shall constitute grounds for suspension, revocation and/or termination of this permit.
- C. By acceptance of this permit, the permittee hereby agrees, consents and authorizes the representatives of the NJDEP and/or USEPA to present a copy of this permit to any municipal or state police officer having jurisdiction over the premises occupied by the permittee in order to have said officer effectuate compliance with the right of entry, should the permittee at any time refuse to allow entry to said inspectors.
- D. By acceptance of this permit, the permittee waives all rights to prevent inspections by authorized representatives of the NJDEP and/or USEPA to determine the extent of compliance with any and all conditions of this permit and agrees not to, in any manner, seek to charge said representatives with the civil or criminal act of trespass when they enter the premises occupied by the permittee in accordance with the provisions of this authorization as set forth hereinabove.

11. Groundwater Monitoring Wells

The permittee shall install and maintain groundwater monitoring wells if required by this permit at locations and according to specifications provided by the Department. All permit required monitoring wells shall be installed within 30 days of the Effective Date of the Permit. The monitoring wells shall provide turbidity-free water at a minimum rate of two gallons per minute or what the formation will yield with a properly installed and developed groundwater monitoring well.

When a monitoring well cannot be used for the purpose of sample collection or groundwater level measurements, the permittee shall replace the well at his own expense within 30 days of the missed sampling and/or measurement date. Said unusable wells shall be sealed, also at the permittee's own expense, in accordance with Department well sealing specifications within the same 30 day period in which the well is replaced. Monitoring wells as required in this permit shall be considered as a monitoring device, which are required to be maintained under the provisions of the New Jersey Water Pollution Control Act N.J.S.A. 58:10A-10(f).

CONTRACT A**11. Groundwater Monitoring Wells (cont'd)**

All monitoring wells must be installed by a New Jersey licensed well driller. The elevation to the nearest hundredth of a foot of the top of each well casing shall be established by a New Jersey licensed land surveyor within 30 days of the installation of the monitoring wells. The elevation established shall be in relation to the New Jersey geodetic control datum. Ground water monitoring wells and all point source discharges to groundwater shall be located by horizontal control (latitude and longitude) using third order work, class II specifications and by vertical control (elevation) using third order work. Within 30 days of the installation date of the monitoring well, the permittee shall submit to the Department completed "Groundwater Monitoring Well Certifications - Forms A and B for each well required to be sampled by the permit. Within 60 days of the Effective Date of the Permit, the permittee shall submit to the Department a plot plan of the facility showing the locations of all discharges and the groundwater monitoring well locations. The scale of the plot plan shall be at least one inch equals fifty (50) feet.

Each groundwater monitoring well casing shall have permanently affixed to it a monitoring well number to be assigned by the Department, elevation of the top of the well casing above the ground level and latitude and longitude of the monitoring well.

12. Monitoring and Records

- A. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.
- B. The State Act provides that any person who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained under this permit shall, upon conviction, be punished by a fine of no more than \$10,000 per violation, or by imprisonment for not more than 6 months per violation, or by both. This is specifically intended to include but not limited to, groundwater monitoring wells and lysimeters.
- C. The applicant shall perform all analyses in accordance with the analytical test procedures approved under 40 CFR Part 136. Where no approved test procedure is available, the applicant must indicate a suitable analytical procedure and must provide the Department with literature references or a detailed description of the procedure. The Department must approve the test procedure before it is used. The laboratory performing the analyses for compliance with this permit must be approved and/or certified by the Department for the analysis of those specific parameters. Information concerning laboratory approval and/or certification may be obtained from:

New Jersey Department of Environmental Protection
Office of Quality Assurance
CN 409
Trenton, New Jersey 08625
(609) 292-3950

- D. The permittee shall retain records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least 5 years from the date of the sample, measurement, report or application. This period may be extended by request of the Department at any time.

CONTRACT A**12. Monitoring and Records (cont'd)**

- E. Records of monitoring information shall include:
- (1) The date, exact place, and time of sampling or measurements;
 - (2) The individual(s) who performed the sampling or measurements;
 - (3) The date(s) analyses were performed;
 - (4) The individual(s) who performed the analyses;
 - (5) The analytical techniques or methods used; and
 - (6) The results of such analyses.
- F. Monitoring results shall be reported on a Discharge Monitoring Report (DMR) and/or on the Department's Monitoring Report Form (MRF); or, where these forms do not apply, in another format approved by the Department.
- G. If the permittee monitors any pollutant more frequently than required by the permit, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the DMR, MRF, or other approved format.
- H. Calculations for all limitations which require averaging of measurements shall utilize an arithmetic mean unless otherwise specified by the Department in the permit.
- I. Discharge Monitoring Reports
- (1) Monitoring results shall be summarized and reported on the appropriate Monitoring Report Forms following the completed reporting period. Signed copies of these, and all other reports required herein, shall be submitted to the following address:

**County of Ocean
Department of Solid Waste Management
129 Hooper Avenue
P.O. Box 2191
Toms River, New Jersey 08754-2191**
 - (2) If a contract laboratory is utilized, the permittee shall submit the name and address of the laboratory and the parameters analyzed at the time it submits its monitoring reports (See Section 11.E. above). Any change in the contract laboratory being used or the parameters analyzed shall be reported prior to or together with the monitoring report covering the period during which the change was made.
- J. Monitoring results shall be reported at the intervals and starting date specified elsewhere in this permit.
- K. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit shall be submitted no later than 14 days following each schedule date.

CONTRACT A**13. Signatory Requirement**

- A. All permit applications, except those submitted for Class II wells for a UIC discharge (see paragraph B) shall be signed as follows:
- (1) For a corporation, by a principal executive officer of at least the level of vice president;
 - (2) For a partnership or sole proprietorship, by a general partner or the proprietor, respectively;
or
 - (3) For a municipality, state, federal or other public agency, by either a principal executive officer or ranking elected official.
- B. All reports required by permits, other information requested by the Department and all permit applications submitted for Class II wells under N.J.A.C. 7:14A-5.8 shall be signed by a person described in paragraph A of this section or by a duly authorized representative only if:
- (1) The authorization is made in writing by a person described in paragraph A of this section;
 - (2) The authorization specifies either an individual or a position having responsibility for the operation of the regulated facility or activity, such as a position of plant manager, operator of a well or well field, superintendent or person of equivalent responsibility; and
 - (3) The written authorization is submitted to the Department.
- C. If an authorization under paragraph B of this section is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization satisfying the requirements of paragraph B of this section shall be submitted to the Department prior to or together with any reports, information, or applications to be signed by an authorized representative.
- D. Certification (N.J.A.C. 7:14A-2.4(d)). Any person signing any document under paragraph A or B of this section shall make the following certification: "I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment."
- E. Any person who knowingly makes a false statement, representation, or certification in any application, record, or other document filed or required to be maintained under the State Act shall upon conviction, be subject to a fine of not more than \$10,000.00 or by imprisonment for not more than 6 months or by both.

CONTRACT A**14. Reporting Changes and Violations**

- A. The permittee shall give notice to the Department as soon as possible of any planned physical alterations or additions to the permitted facility. The permittee shall comply with N.J.A.C. 7:14A-12.1 et seq. which requires approval for building, installing, modifying, or operating treatment works. (NOTE: Sewer Extensions require such approval. A connection of a single building through which less than 2000 gpd flows by gravity through a single lateral is exempt from the requirement to obtain the approval of this Department.). Construction of a sewer extension without this Department's approval will be a violation of this permit.
- B. The permittee shall give reasonable advance notice to the Department of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.

15. Reporting Noncompliance

- A. The permittee shall report any noncompliance which may endanger health or the environment. The permittee shall provide the Department with the following information:
- (1) A description of the discharge;
 - (2) Steps being taken to determine the cause of noncompliance;
 - (3) Steps being taken to reduce and eliminate the noncomplying discharge;
 - (4) The period of noncompliance, including exact dates and times. If the noncompliance has not been corrected, the anticipated time when the discharge will return to compliance;
 - (5) The cause of the noncompliance; and
 - (6) Steps being taken to reduce, eliminate, and prevent reoccurrence of the noncomplying discharge.
- B. The permittee shall orally provide the information in paragraphs A.(1) through (3) to the DEP Hotline (609) 292-7172 within two (2) hours from the time the permittee becomes aware of the circumstances.
- C. The permittee shall orally provide the information in paragraphs A.(4) through (5) to the DEP Hotline within twenty-four (24) hours of the time the permittee becomes aware of the circumstances.
- D. A written submission shall also be provided within five (5) days of the time the permittee becomes aware of the circumstances. The written submission shall contain the information in A.(1) through (6).
- F. The permittee shall report all instances of noncompliance not reported under paragraphs 11.J, 11.k, 13.A, and 14.A through D at the time monitoring reports are submitted. The reports shall contain the information required in the written submission listed in paragraph 14.D.

CONTRACT A**15. Reporting Noncompliance (cont'd)**

- F. The following shall be reported to the Department in accordance with paragraphs 15.A through D:
- (1) In the case of any discharge subject to any applicable toxic pollutant effluent standard under Section 307(a) of the Federal Act or under Section 6 of the State Act the information required by paragraphs 15.A(1) through (3) regarding a violation of such standard shall be provided to the Department within two (2) hours from the time the permittee becomes aware of the circumstances. The information required by paragraphs 15.A(4) through (6) shall be provided to the Department within twenty-four (24) hours from the time the permittee becomes aware of the circumstances. Where the information is provided orally, a written submission covering these points must be provided within five (5) working days of the time the permittee becomes aware of the circumstances covered by this paragraph.
 - (2) In the case of other discharges which could constitute a threat to human health, welfare, or the environment, including but not limited to, discharge of pollutants designated under Section 311 of the Federal Act, under Section 6 of the State Act, under the "Spill Compensation and Control Act", N.J.S.A. 58:10-23.11 et seq., or under the "Safe Drinking Water Act". N.J.S.A. 58:12A-1 et seq., the information required by paragraph 15.A(1) through (3) shall be provided to the Department within two (2) hours from the time the permittee becomes aware of the circumstances. The information required by paragraphs 15.A(4) through (6) shall be provided to the Department within twenty-four (24) hours from the time the permittee becomes aware of the circumstances. Where the information is provided orally, a written submission covering these points must be provided within five (5) working days of the time the permittee becomes aware of the circumstances covered by this paragraph.
 - (3) The information required in paragraphs 15.A(1) through (3) shall be provided to the Department within two (2) hours where a discharge described under paragraphs 15.F(1) or (2) is located upstream of a potable water intake or well field. The information required by paragraphs 15.A(4) through (6) shall be provided to the Department within twenty-four (24) hours. If this information is provided orally, a written submission covering these points must be provided within five (5) days of the time the permittee becomes aware of the discharge.
 - (4) Any bypass which violates any effluent limitations in the permit shall be reported within twenty-four (24) hours unless paragraphs 15.F(1) through (3) are applicable. (See Section 15.)
 - (5) Any upset which violates any effluent limitation in the permit shall be reported within twenty-four (24) hours unless paragraphs 15.F(1) through (3) are applicable. (See Section 16.)
 - (6) Violation of a maximum daily discharge limitation for any of the pollutants listed by the Department in the permit shall be reported within twenty-four (24) hours unless paragraphs 15.F(1) through (3) are applicable (See N.J.A.C. 7:14A-3.13(a)7.).

16. Bypass

- A. The permittee may allow any bypass to occur which does not cause effluent limitations to be exceeded, but only if it is also for essential maintenance to assure efficient operation. These bypasses are not subject to the provisions of paragraphs B. and C. of this section.

CONTRACT A**16. Bypass (cont'd)****B. Notice**

- (1) Anticipated Bypass. If the permittee knows in advance of the need for a bypass, he shall submit prior notice, if possible, at least thirty (30) days before the date of the bypass.
- (2) Unanticipated Bypass. The permittee shall submit notice of an unanticipated bypass as required in paragraph 14.F.(4).

C. Prohibition of Bypass

- (1) Bypass is prohibited, and the Department may take enforcement action against a permittee for bypass unless:
 - a. Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage;
 - b. There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if the permittee could have installed adequate backup equipment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance; and
 - c. The permittee submitted notices as required under paragraph B of this section.
- (2) The Department may approve an anticipated bypass, after considering its adverse effects, if the Department determines that it will meet the three conditions listed above in paragraph C.(1) of this section.

17. Upset

- A. An upset may constitute an affirmative defense to an action brought for noncompliance with such technology-based permit effluent limitations if the requirements of paragraph B. of this section are met. Where no determination was made during administrative review of claims that noncompliance was caused by upset, and there has been no Departmental action for noncompliance, the lack of such determination is final administrative action subject to judicial review.
- B. A permittee who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed, contemporaneous operating logs, or other relevant evidence that:
 - (1) An upset occurred and that the permittee can identify the specific cause(s) of the upset;
 - (2) The permitted facility was at the time being properly operated;
 - (3) The permittee submitted notice of the upset as required in paragraph 14.F.(5); and
 - (4) The permittee complied with any remedial measures required under Section 4 above.
- C. In any enforcement proceeding the permittee seeking to establish the occurrence of an upset has the burden of proof.

CONTRACT A**18. Emergency Plan (DSW and DGW permits only)**

- A. The permittee shall develop, submit, and implement an Emergency Plan report prepared in accordance with N.J.A.C. 7:14A-3.12(b) unless exempted pursuant to N.J.A.C. 7:14A-3.12(e). If not previously submitted to and approved by NJDEP, the Emergency Plan (or a request for exemption) must be submitted within six (6) months of the effective date of the permit unless otherwise required by N.J.A.C. 7:14A-3.12(a).
- B. Liability
- (1) Submission of an Emergency Plan pursuant to this section shall not exempt a permittee from liability for violations arising from an emergency situation. A permittee shall take all necessary actions to mitigate the damage to the waters of the State arising from an emergency situation. Such actions shall not be limited by the emergency operating plan and the manual of procedures.
 - (2) Exemption from development of an Emergency Plan under this section does not exempt the permittee from liability for violation arising from an emergency situation. Such permittee shall take all necessary actions to mitigate the damage to the waters of the State arising from an emergency situation.
 - (3) Failure to submit an emergency plan in compliance with paragraph A. of this section and failure to implement the emergency plan shall each constitute a violation of this permit.

19. Residuals Management

- A. Collected grit and screenings, scums, sand bed sands, slurries, and sludges, and all other solids from the treatment process shall be disposed of in such a manner as to prevent such materials from entering the ground and/or surface waters of the State except in accordance with a NJPDES permit. If for any reason such materials are placed in the water or on the lands where they may cause pollutants to enter the ground and/or surface waters of the State, the following information shall be reported to the Division of Water Resources Enforcement Element together with the monitoring data in Part I, Section 11.I.:
- (1) Dates of occurrence;
 - (2) A description of the noncomplying discharge (nature and volume);
 - (3) Cause of noncompliance;
 - (4) Steps taken to reduce and eliminate the noncomplying discharge; and
 - (5) Steps taken to prevent recurrence of the condition of noncompliance.
- B. The permittee shall not be permitted to store sludge on-site beyond the capacity of the structural treatment and storage components of the treatment facility, except in accordance with a NJPDES Emergency On-Site Storage Permit. Nor shall the permittee be permitted to store sludge on-site in any manner which is not in accordance with Solid Waste Management Rules, N.J.A.C. 7:26-1 *et seq.* Any violations must be reported by the permittee to the Division of Water Resources Enforcement Element within twenty-four (24) hours.

CONTRACT A**19. Residuals Management (cont'd)**

- C. The permittee shall comply with the Sludge Quality Assurance Regulations (N.J.A.C. 7:14-4.1 et seq.). Where quality information is required by these regulations analyses must reflect the quality of the final sludge product of which the permittee must dispose.
- D. The permittee shall dispose of sludge from this facility in compliance with the New Jersey Solid Waste Management Act N.J.S.A. 13:1E-1 et seq., which requires conformance with Statewide and District Sludge Management Plans, and prohibits the disposal of municipal sewage sludge in landfills. The permittee shall also comply with all applicable rules and regulations promulgated pursuant to the Federal Resource Conservation and Recovery Act governing the treatment, storage and disposal of hazardous waste.
- E. The permittee shall at all times have on file with the Department proof of proper disposal at a facility duly license and permitted by the State to dispose of sludge. To satisfy this requirement the permittee shall submit proof of ownership or contractual arrangement with a permitted facility for the composting, land application, thermal reduction, or other approved method of sludge disposal.

Where such permitted sludge disposal does not extend the full term of this permit, the permittee shall submit similar proof of new permitted disposal arrangements which shall become effective no later than the expiration date of previous arrangements. All such proofs of disposal must be submitted to the Bureau of Permits Administration in duplicate to:

Chief
Bureau of Permits Administration
CN-029
Trenton, NJ 08625
ATTN: Sludge Disposal Site Proof

- F. By issuance of this permit the Department hereby gives the permittee notice that the permittee is bound by the New Jersey Pollutant Discharge Elimination System regulations regarding proper sludge disposal (Section 25 (a)13.1).
- G. The permittee shall comply with the Rules and Regulations for the Statewide Management of Septage Disposal (N.J.A.C. 7:14-5.1 et seq.).
- H. The permittee shall conform with the requirements under Section 405 of the Federal Act governing the disposal of sewage sludge from publicly owned treatment works and with Sections 4 and 6 of the State Act.

20. Discharge Permitted

The permittee shall discharge to surface waters, land, or groundwaters of the State, directly or indirectly, only as authorized herein and consistent with the terms and conditions of this permit.

21. Operation Restrictions

The operation of a waste treatment or disposal facility shall at no time create: (1) a direct discharge to surface waters of the State, except as authorized by NJDEP; (2) a persistent standing or ponded condition for water or waste on the permittee's property except as specifically authorized by this permit, or (3) any standing or ponded condition for water or waste on adjacent properties unless these activities are specifically included within the permit.

CONTRACT A**22. Oil and Hazardous Substance Liability**

The imposition of responsibilities upon, or the institution of any legal action against the permittee under Section 311 of the Federal Act shall be in conformance with regulations promulgated pursuant to Section 311 of the Federal Act governing the applicability of Section 311 to discharges from facilities with NJPDES permits.

23. Reopener Clause for Toxic Effluent Limitations

Notwithstanding any other condition of this permit, if any applicable toxic effluent standards, limitation or prohibition (including any schedule or compliance specified in such effluent standard or prohibition) is promulgated under Sections 301 (b) (2) (C) and (D), 304 (b) (2), and 307 (a) (2) of the Federal Clean Water-Act or Sections 4 or 6 of the State Act for a toxic pollutant and that effluent standard, limitation, or prohibition is more stringent than any limitation on the pollutant in the permit (or controls a pollutant not limited in the permit), this permit shall be promptly modified or revoked and reissued to conform to that effluent standard, limitation or prohibition.

24. Availability of Information

- A. NJPDES permits, effluent data, and information required by NJPDES application forms provided by the Regional Administrator or Director (including information submitted on the forms themselves and any attachments used to supply information required by the forms) shall be available for public inspection at the offices of the Director.
- B. In addition to the information set forth in paragraph A., any other information submitted to EPA and/or the Department in accordance with the conditions of this permit shall be made available to the public without further notice unless a claim of business confidentiality is asserted at the time of submission in accordance with the procedures in 40 CFR Part 2 (Public Information) and/or Subchapter 11 of the “Regulations Concerning the New Jersey Pollutant Discharge Elimination System.”
- C. If a claim of confidentiality is made for information other than that enumerated in paragraph A., the information shall be treated by the Department in accordance with the procedures in N.J.A.C. 7:14A-11.1 et seq. Only information determined to be confidential under those procedures shall not be made available by NJDEP for public inspection.

25. Effective Date of Permit

- A. This permit shall become effective in its entirety on the date indicated (Effective Date) on the first page of this permit unless a request to an adjudicatory hearing is granted pursuant to the provisions of N.J.A.C. 7:14A-8.11 et seq.
- B. For purposes of judicial review, final agency action on a permit does not occur unless and until a party has exhausted its administrative remedies under N.J.A.C. 7:14A-8.9 et seq. Any party which neglects or fails to seek such review thereby waives its opportunity to exhaust available agency remedies.

CONTRACT A**26. Transfer of Permit**

- A. This permit is not transferable to any person except after notice to the Department. The Department may require modification, revocation, or revocation and reissuance of the permit to change the name of the permittee and incorporate such other requirements as may be necessary under the appropriate Act. (See N.J.A.C. 7:14A-2.12; in some cases, modification or revocation and reissuance is mandatory).
- B. Except as provided in paragraph (C) of this section, a permit may be transferred by the permittee to a new owner or operator only if the permit has been modified or revoked and reissued (under Section 2.12(c)1.ii.) or a minor modification made (under Section 2.14(a)4. of the NJPDES Regulations), to identify the new permittee and incorporate such other requirements as may be necessary under the State and Federal Acts.
- C. As an alternative to transfers under paragraph (B) of this section, any NJPDES permit, except a UIC permit for a well injecting hazardous waste, may be automatically transferred to a new permittee if:
- (1) The current permittee notified the Department in writing by certified mail of the proposed transfer as follows:
 - a. Where production levels, products produced, rates of discharge, and waste water characteristics will remain unchanged, the following information shall be submitted at least 90 days prior to a proposed transfer date:
 - i. Name and address of current facility;
 - ii. Name and address of new owners;
 - iii. NJPDES permit number;
 - iv. Names of the new principal persons responsible;
 - v. Names of persons upon whom legal process can be served; and
 - vi. A notarized statement signed by the new principal officer stating that he has read the NJPDES permit and agrees to abide by all the conditions of the permit and that the production levels, products produced, rates of discharge, and wastewater characteristics will remain unchanged.
 - b. Where there will be a change in production levels, products produced, rates of discharge, or wastewater characteristics, the information required in paragraph 25.C(1)(a) above shall be submitted at least 180 days prior to a proposed transfer date.
 - (2) The current permittee shall include in the notice of proposed transfer a written agreement between the existing and new permittee which includes a specific date for transfer of permit responsibility, coverage, and liability between the parties. In the case of a UIC permit, the notice shall demonstrate that the financial responsibility requirements of Section 5.10(a)7. of the NJPDES Regulations will be met by the new permittee;

CONTRACT A**26. Transfer of Permit (cont'd)**

- (3) The Department does not notify the existing permittee and the proposed new permittee, within thirty (30) days of receipt of notice of proposed transfer, of an intent to modify, revoke or reissue the permit or, for a discharge to surface water (DSW), require a DAC. A modification under this paragraph may also be a minor modification under Section 2.14 of the NJPDES Regulations. If such notice is not received, the transfer is effective on the date specified in the agreement mentioned in paragraph 25.C(2) of this section; and
- (4) Whenever the regulated discharge has ceased prior to the proposed permit transfer, any compliance schedule shall not be automatically reinstated but shall be subject to revision or complete withdrawal if circumstances leading to its imposition have changed.

27. Severability

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

28. Stay of Conditions, N.J.A.C. 7:14-8.10

A request for an adjudicatory hearing shall not automatically result in a stay of the conditions of this permit.

29. Definitions

- A. Unless otherwise stated, all terms shall be as defined in the “Regulations Concerning the New Jersey Pollutant Discharge Elimination System”, N.J.A.C. 7:14A-1 et seq.
- (1) “Aliquot” means a sample of specified volume used to make up a total composite sample.
 - (2) “Bypass” means the intentional diversion of wastes from any portion of a treatment facility.
 - (3) “Composite” means a combination of individual (or continuously taken) samples (aliquots) of at least 100 milliliters, collected at periodic intervals over the entire discharge day. The composite must be flow proportional; either the time interval between each aliquot or the volume of each aliquot must be proportional to either the stream flow at the time of sampling or the total stream flow since the collection of the previous aliquot. Aliquots may be collected manually or automatically. For a continuous discharge, a minimum of 24 aliquots (at hourly intervals) shall be collected and combined to constitute a 24-hour composite sample. For intermittent discharges of more than 4 hours duration, aliquots shall be taken at a minimum of 30-minute intervals. For intermittent discharges of less than 4 hours duration, aliquots shall be taken at a minimum of 15-minute intervals.
 - (4) “EDP” means Effective Date of Permit.
 - (5) “Grab” means an individual sample of at least 100 milliliters collected over a period not exceeding 15 minutes.

CONTRACT A**29. Definitions (cont'd)**

- (6) "Monthly" means one day each month (the same day each month) and a normal operating day (e.g., the 2nd Tuesday of each month).
- (7) "Multiple Grab Composite" means a combination of individual samples (aliquots) collected at a specified frequency over a specified time period. Each aliquot must be collected in a glass vial with septum cap, filled to the top leaving no air bubbles, and iced down until delivered for analysis. Each aliquot shall be analyzed individually. The recorded value will be flow proportioned average of the individual analyses for the specific time period.
- (8) "Upset" means an exceptional incident in which there is unintentional and temporary noncompliance with technology-based permit effluent limitations because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventative maintenance, or careless or improper operation.
- (9) "Weekly" means every seventh day (the same day each week) and a normal operating day.

30. Annual Permit Fee, N.J.A.C. 7:14A-1.8

The permittee shall pay the annual NJPDES permit fee which has been assessed by the Department.

CONTRACT A**ADDITIONAL GENERAL CONDITIONS FOR LANDFILLS****GROUNDWATER MONITORING**

1. The permittees shall effectively monitor the landfill by operating 5 groundwater monitoring wells, 2 leachate and 1 surface water locations to detect any possible groundwater pollution from leachate or other on-site discharges. The required groundwater monitoring wells shall consist of 5 satisfactory existing groundwater monitoring wells and 0 new groundwater monitoring wells as specified within this permit. Satisfactory groundwater monitoring wells are defined in N.J.A.C. 7:14A-1 *et seq.*, section 6.13 and shall be subject to Department approval. If groundwater monitoring wells do not meet these standards, they must be replaced with new wells meeting Department standards.
2. The location and number of all groundwater monitoring wells as required by this Department, including existing or proposed wells, is shown on Attachment 1. Groundwater monitoring wells shall be located within a fifty (50) foot radius of each proposed location, but in every case cannot be located through landfilled material without prior Department approval.
3. The following information must be submitted to this Department within 150 days from the effective date of this permit.
 - a. A plot plan of the facility having a horizontal scale of at least one inch equal to two hundred feet. This plan must be signed and sealed by a New Jersey licensed land surveyor and show the following information:
 - i) Legal site boundaries surveyed by a New Jersey licensed land surveyor within the last 12 months.
 - ii) All filled and permitted areas that were designated in the Approved Engineering Design by the Division of Waste Management (formerly the Solid Waste Administration) of the N.J.D.E.P.
 - iii) The location of all existing and proposed groundwater monitoring wells. Groundwater monitoring wells shall be located by horizontal control (latitude/longitude) to the one-hundredth of a second and by vertical control (elevation) to the one-hundredth of a foot based on New Jersey Control Survey datum, based on the top of casing. Each groundwater monitoring well must be identified on the plot plan by the "Well Permit Number" issued by the Water Allocation Office of the Division of Water Resources, N.J.D.E.P.
 - iv) The location of all methane gas vents.
 - b. An 8 1/2" by 11" portion of the most recent United States Geological Survey 7.5 minute series topographic quadrangle showing the landfill location.

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- c. Groundwater Monitoring Well Certification Forms A and B for each existing and proposed groundwater monitoring well. Information for each well must be shown on a separate well completion form. The form entitled, "Groundwater Monitoring Well Certification", Form A - As Built Construction Certification, must be sealed by a licensed New Jersey Professional Engineer. For B, "Location Certification" must be sealed by a licensed New Jersey Land Surveyor. For an existing well, if information required on the well completion form cannot be determined, is unknown or is not adequately constructed to meet the requirements of this permit, the Department reserves the right to require an additional well to be drilled. Criteria to be used by the Department in judging the adequacy of a well will be related to the ability of the well to provide a representative groundwater sample at any time of the year as specified within this permit. Any replacement well must be installed within a twenty-five foot radius of the existing well. Inadequate or damaged existing wells must be properly sealed as per N.J.S.A. 58:4A-4.1. Instructions regarding sealing may be obtained by contacting the Water Allocation Office of the Division of Water Resources at (609) 984-6831.
4. All groundwater monitoring wells must be installed by a licensed New Jersey Well Driller, pursuant to N.J.S.A. 58:4A-6. A valid New Jersey permit, pursuant to N.J.S.A. 58:4A-14, to drill a well must be obtained from the Water Allocation Office at (609-984-6831) prior to installation of groundwater monitoring wells. Groundwater monitoring wells must be installed within thirty days after effective date of this permit.
5. All proposed wells must be constructed according to the attached Department specifications. For sites where inadequate geological information is available to properly design the well specifications, a Department geologist will finalize the well specifications on-site at the time of drilling.
6. The Bureau of Groundwater Discharge Permits must be notified by the Permittee two weeks prior to the installation of new groundwater monitoring wells. Failure to notify the Department may result in disapproval of wells as constructed.
7. A groundwater monitoring well as required by this permit is a monitoring device under N.J.S.A. 58:10A-10 and as such the permittee is required to maintain this well in proper working order at all times. The permittee is further required to take any reasonable steps necessary to limit public access by constructing fences, barricades, or any other structures necessary to restrict access in the immediate vicinity of the groundwater monitoring well. Said structures shall be maintained to restrict access.
8. Each groundwater monitoring well shall have the Department assigned well number permanently attached to that portion of the casing above the ground surface.
9. The owner or operator must inspect each groundwater monitoring well on a weekly basis for structural integrity and/or damage. The permittee shall maintain a complete inspection record indicating dates of inspection, inspector's name, and conditions observed. These records shall be available to the Department at any time upon request. Failure to maintain, or submit records upon request, shall be a violation of N.J.S.A. 58:10A-10.

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10. If the monitoring wells are damaged, the Administrator, Water Quality Management Element, shall be notified within five (5) days in writing at the above address indicating:
 - a) Which wells were damaged?
 - b) The cause and extent of damage;
 - c) If the sampling schedule as required in this permit will be violated;
 - d) The date that the well will again be operational. Damaged wells must be replaced or repaired within thirty (30) days after the damage has occurred. The wells must be sampled within five (5) days, after they have been developed. A replacement well must meet the construction requirements established for the damaged well. A valid New Jersey well permit is required prior to the installation of the replacement well.
 - e) The next date that the well will be sampled.
 - f) Failure to follow these procedures is a violation of this permit and subject to the provisions of N.J.S.A. 58:10A-10.
11. Ground water monitoring wells shall be sampled by procedures as delineated in N.J.A.C. 7:14A-6.12 (attached hereto and hereby made part of). A chain of custody record for each sample must be maintained, and may be examined by the Department at any time.
12. All samples shall be collected and analyzed by a New Jersey Certified Laboratory. Sampling results shall be reported on forms provided by the Division of Water Resources. Information not reported on the above specified forms shall not be deemed to fulfill the reporting requirements of this permit. Additional forms may be obtained by writing to the Administrator, Water Quality Management Element. It shall be the permittee's responsibility to maintain an adequate supply of forms to report groundwater monitoring data to the State.
13. The permittee shall retain the services of a New Jersey certified laboratory to collect and analyze samples from the groundwater monitoring wells for the parameters specified in Table 1 and at the time intervals therein specified. A list of certified Water Pollution Laboratories may be obtained from the Office of Quality Assurance of the Division of Water Resources at (609) 292-3950.
14. The Department reserves the right to modify this Monitoring Permit at any time. This includes the number of wells, the frequency of sampling, and parameters being analyzed.
15. The Bureau of Groundwater Discharge Permits must be notified in writing by the Permittee two weeks prior to the installation of new groundwater monitoring wells. Failure to notify the Bureau may result in disapproval of the wells as constructed. This notification must be postmarked 2 calendar weeks prior to the commencement of drilling.
16. Unpermitted releases of leachate or discharges of pollutants onto the land or to surface water bodies are prohibited under the provisions of this permit.
17. All sampling and analytical records mentioned in the preceding paragraphs shall be retained for a minimum of five years. The permittee shall also retain all original recordings from any continuous monitoring instrumentation, and any calibration and maintenance records, for a minimum of five years. These periods will be extended during the course of any unresolved litigation, or when so requested by the permitting authority.

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18. Within 90 days of the effective date of this permit, delineate all direct or indirect discharges of leachate or other pollutants to surface waters. These discharges shall then be analyzed for the same parameters required for the monitoring wells and at the same frequency. These leachate discharges shall be delineated on a map of the same scale as specified in item 3 above.
19. All existing referenced groundwater monitoring wells in the "Plot Plan" shall have the same designation as those dated NA, Sheet NA of plans sealed by NA Professional Engineer, that have been submitted to the Division of Waste Management.
20. A request for an adjudicatory hearing shall not automatically result in a stay of the conditions of this permit (N.J.A.C. 7:14-8.10).

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(EXCERPT OF N.J.A.C. 7:14a-6.12)

6.12 Groundwater Sampling Procedures

To ensure a representative sample from a monitor well or a potable well, flushing or pumping is almost always required. In general, the groundwater standing in the well casing at the time of sample collection will be similar in quality to that in the surrounding aquifer or local groundwater, but it may not be representative. Accordingly, the well should be pumped (or bailed) prior to collecting a sample whenever possible.

For pump samples, a volume of water equal to three times that standing in the casing should be pumped from the well before taking the sample. Overpumping, which can result in dilution of the samples should be avoided. Depending on the geology, well design and other factors, some monitor wells will have a low yield. In such cases, the standing water should be evacuated and a sample collected upon recovery. Wells with relatively high yield can be sampled immediately after evacuation or bailing.

A pumping well will yield samples which incorporate water drawn from a volume adjacent to the well bore at the depth of the sampling tube orifice if the well is screened at that depth. Otherwise, the sample will represent water entering the well bore at the bottom of the casing or at the nearest screened interval. Therefore, these sampling configurations can preclude water quality information with depth and, since the pumped samples are obtained from a volume adjacent to the well bore, dilution or concentration of the samples can occur as the well continues to be pumped. In these instances, grab samples are preferred over pumped samples.

If a monitoring well is sampled using a bailer, the standing water in the well should be bailed repeatedly until at least one (and preferably three) times the water volume standing in the well casing have been exchanged prior to sample collection.

Depth-to-water should be measured prior to sampling using a calibrated steel tape.

If surface pumps or hoses are used, the end of the hose must be at a sufficient depth that suction will not be broken as the level of water in the monitoring well is drawn down. However, the hose must be kept above the bottom so that sediments or solids will not be entrained and sample turbidity increased. Poorly-developed monitor wells may also promote increased turbidity. Bedrock wells are less likely to present problems of induced turbidity upon sampling than are wells screened in unconsolidated materials.

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For those water quality parameters not subject to chemical change within a well casing in contact with the atmosphere, a pump sample may not be necessary (e.g. nitrate (NO₃)). However, in the case of volatile organics (e.g. benzene, trichlorethylene, toluene), concentrations can decrease for water standing in the well. Therefore, samples for volatile organics should be collected from depths several feet below the water level. If grab samples are taken for volatile organic analyses, methyl alcohol and distilled water should be used to thoroughly clean the sampler prior to reuse. The sampler should be washed first with the alcohol, then rinsed with distilled water; the alcohol must be allowed to volatilize before resuming sampling.

When sampling is done from a pump discharge, the flow rate should be reduced to a trickle to minimize agitation of the water and resulting loss of volatile compounds. When sampling for low levels of volatiles, care must be taken as to the source of water used in priming a centrifugal pump.

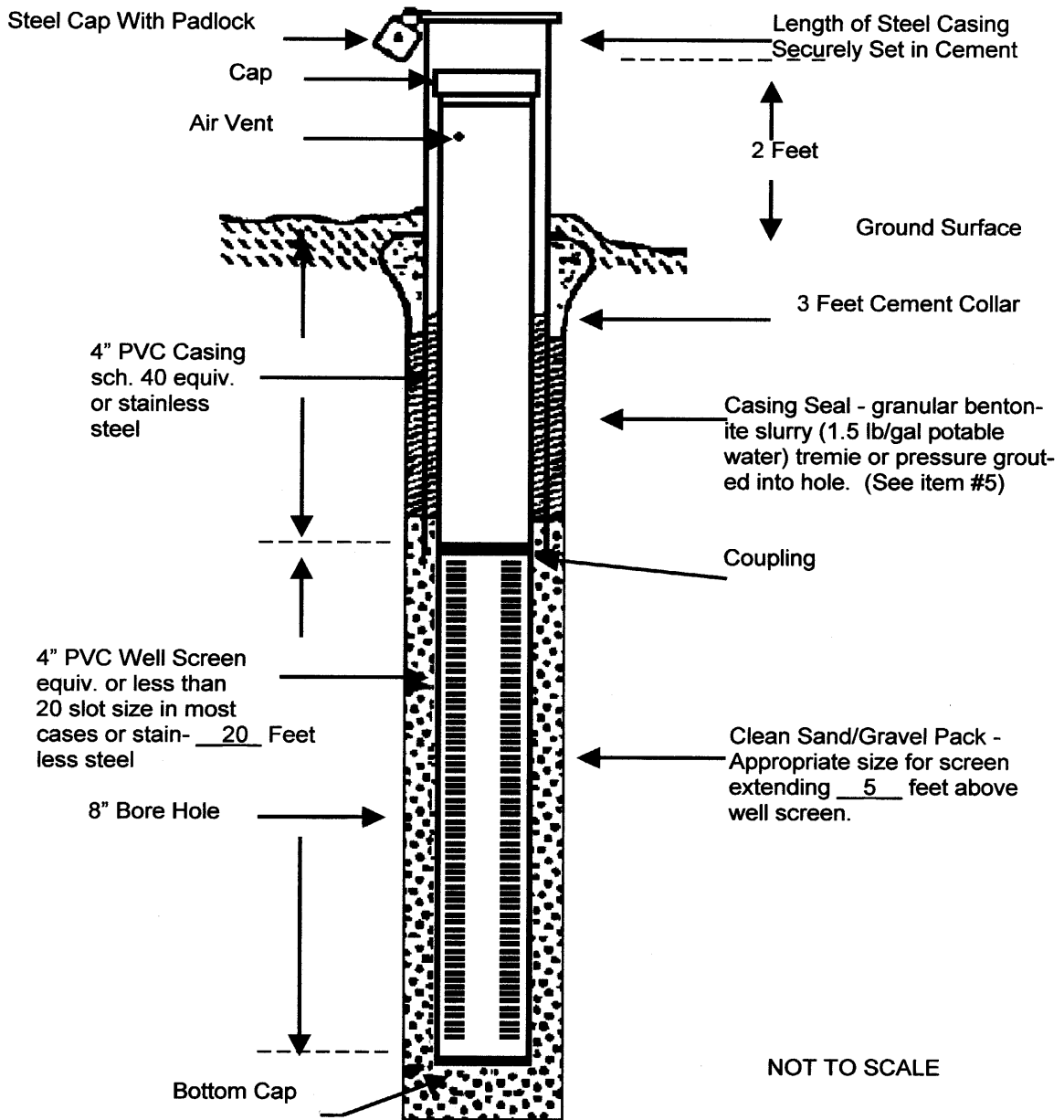
If several wells are to be sampled for volatiles, the least contaminated wells should be sampled first and the remaining wells sampled in order of increasing contamination. If the relative levels of contamination are unknown, clean water should be used to purge the pump following each well sampled in order to minimize cross-contamination of samples.

**New Jersey Department of Environmental Protection
Unconsolidated Monitor Well Specifications***

Site Name: Old Lakewood Twp Landfill

Location: New Hampshire Avenue

Date: _____



REQUIREMENTS:

1. Notification to the NJDEP is required two (2) weeks prior to drilling.
2. State well permits are required for each monitoring well constructed by the driller. Report "use of well" on well permit application. Permit number must be permanently affixed to each monitor well.

CONTRACT A**REQUIREMENTS (CONT'D):**

3. The borehole must be a minimum of four (4) inches greater than the casing diameter.
4. Wells must be gravel packed unless noted otherwise in Additional Requirement #8.
5. Approved high-grade sodium base, well sealant type, granular bentonite must be used to seal casing. Casing sealant and drilling fluids must be mixed with potable water.
6. All wells must be developed upon completion for a minimum of one (1) hour or to yield a turbid-free discharge.
7. The driller must maintain an accurate written log of all materials encountered in each hole, record all construction details for each well, the static water levels, and any tidal fluctuations (when applicable). This information must be submitted to the Office of Water Allocation as required by N.J.S.A. 58:4A.
8. If low level organic compounds are to be sampled for, only threaded or press joints (no glue joints) are acceptable for PVC.
9. A length of steel casing with a locking cap must be securely set in cement a minimum of three (3) feet below ground surface.
10. Top of casing (excluding cap) must be surveyed to the nearest hundredth foot (0.01) by a licensed surveyor. The casing must be permanently marked at the point surveyed. The well(s) should be numbered clearly on the casing. A detailed site map with the well locations and casing elevations must be submitted to Bureau of Groundwater Discharge Permits, CN 029 Trenton, NJ 08625.

11. NOTICE IS HEREBY GIVEN OF THE FOLLOWING:

- a. Review by the Department of well locations and depths is limited solely to review for compliance with the law and Department rules;
- b. The Department does not review well locations or depths to ascertain the presence of, nor the potential for, damage to any pipeline, cable or other structure;
- c. The permittee (applicant) is solely responsible for safety and adequacy of the design and construction of wells required to be constructed by the Department;
- d. The permittee (applicant) is solely responsible for any harm or damage to person or property which results from the construction or maintenance of any well; this provision is not intended to relieve third parties of any liabilities or responsibilities which are legally theirs.

ADDITIONAL REQUIREMENTS (IF CHECKED):

1. Top of screen set 5 feet above/below water table.
2. Split Spoon Samples: Every 5 feet of change in formation
3. Dedicated Bailer (Sampler) In Well(s): _____
4. Threaded or Press Joints: No Glue Joints
5. Five (5) Foot Casing Tailpiece Below Screen _____
6. Centralizers on Screen: _____
7. Borehole Geophysical Log(s): _____
8. Other: Recondition or replace existing wells to meet the attached specifications.

*OTHER MATERIALS, DESIGNS AND CASING DIAMETERS MAY BE USED WITH PRIOR APPROVAL BY THE NJDEP.

CONTRACT A**INSTRUCTIONS & REQUIREMENTS
FOR THE SUBMISSION
OF GROUNDWATER MONITORING DATA**

Groundwater Monitoring Data shall be submitted using the forms described below. These forms consist of a transmittal form, which is required for each ground and or surface water monitoring location and the appropriate (semi-annual and/or annual) well report form, which identify the parameters required to be monitored. See attached for an example of each reporting form.

I. SUBMITTAL FORM

One copy of the Monitoring Report Submittal Form must be completed for each monitoring location (five wells, one surface and two leachate) and for each requested quarterly monitoring period. The quarterly periods are from January 1 through March 31, April 1 through June 30, July 1 through September 30, and October 1 through December 31 each year.

The Monitoring Period, Monitoring Location, Discharge or No discharge, comments if applicable and certifying information must be entered on each submittal form.

II. GROUNDWATER MONITORING REPORT

One copy of the Groundwater Monitoring Well Report (semi-annual) must be completed for each monitoring location (five wells, one surface and two leachate) and for each semi-annual monitoring period. During the first test of each year, one copy of the Groundwater Monitoring Well Report (Annual) must be completed for each monitoring location. Semi-annual reports must be provided to the Ocean County Department of Solid Waste Management by the last day of each semi-annual period.

If sampling cannot be collected for a surface or leachate monitoring location because the monitoring location is dry, the semi-annual report must be submitted, annotating the top of the report as “DRY” and entering applicable comments onto the submittal form.

The Monitoring Period, Monitoring Location, Sample Date of report, Laboratory Certification Number and name of the Laboratory providing the report information must be entered on each report submitted. All parameters shown on the report forms must be sampled, analyzed and reported providing the Reported Value, Sample Type and Remark Code if appropriate. Enter the values for the test parameters in the column “Reported Value”, using the units given in the column “Units”. If conversions are to be made (ppm to ppb or vice versa), they must be made prior to entering the value on the form. Enter the appropriate remark code for any parameter, where applicable, in the column “Remark Code”. The remark codes and descriptions are as follows:

- A Value reported is the mean of two or more determinations.
- B Results based upon colony counts outside the acceptable range.
- C Value is calculated.
- D Indicates field measurement.

CONTRACT A**II. GROUNDWATER MONITORING REPORT (cont'd)**

- G Value reported is the maximum of two or more determinations.
- J Estimated value, value not accurate. Use if sample exceeded holding time.
- K Actual value is known to be less than value given. Use if analysis is not detectable, with the limit of detectability as the value reported.
- L Actual value is known to be greater than value given.
- O Sample, but analysis lost or not performed.
- S Laboratory test.
- T Value reported is less than criteria of detection.
- U Indicates material was analyzed but not detected. In case of fecal coliform, the result is negative growth.

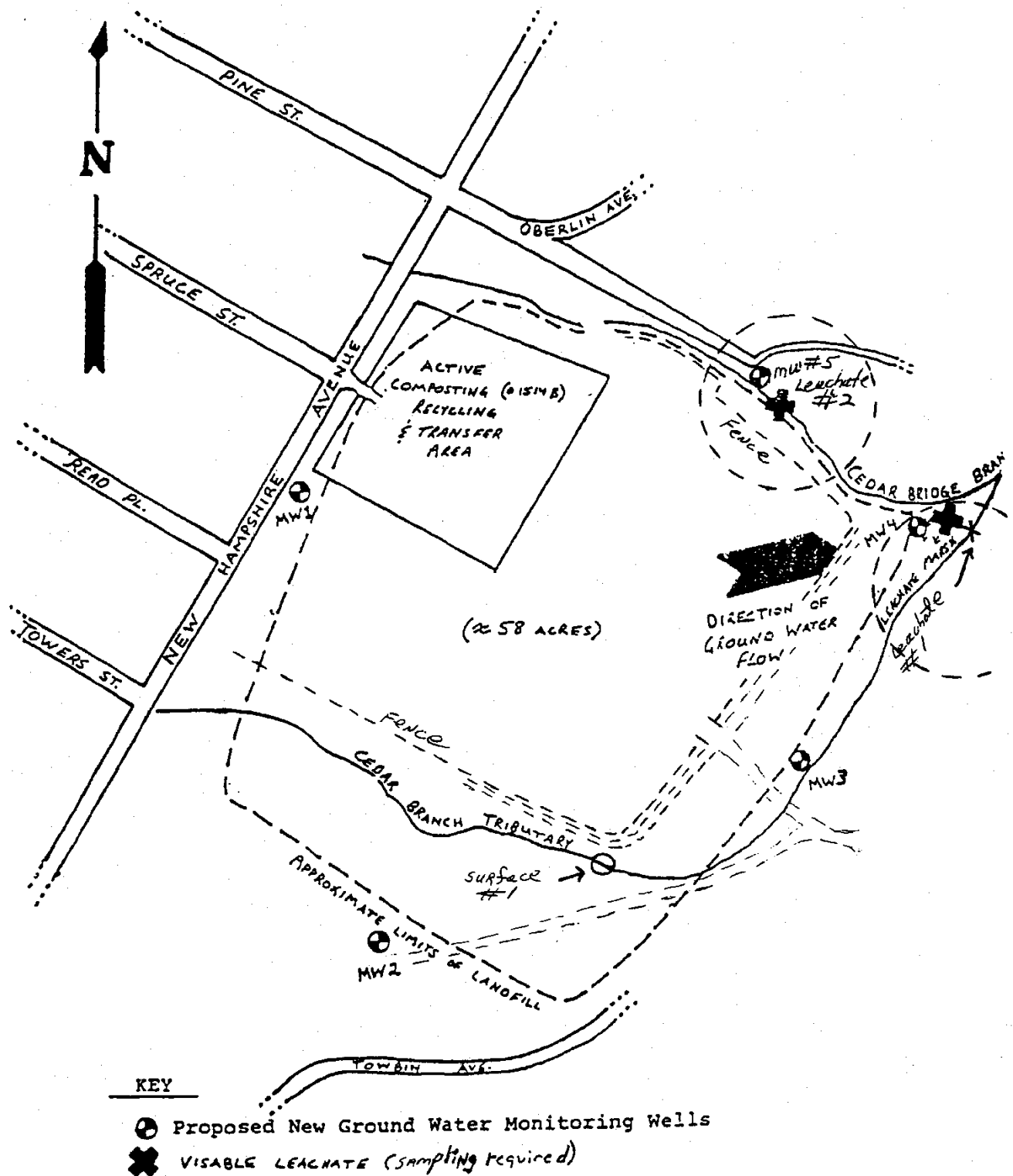
III. MONITORING WELL LOCATIONS

The attached site layout provides specific location for each of the five groundwater monitoring wells, two leachate and the surface collection point.

IV. REPORT FORM AVAILABILITY

All forms required for submission are available on a flash drive using Microsoft Office programs.

ATTACHMENT I
Old Lakewood Township Landfill – New Hampshire Avenue
Lakewood, New Jersey
NJPDES Permit No. NJ0061085



**NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER QUALITY**

MONITORING REPORT SUBMITTAL FORM

PERMITTEE NAME AND ADDRESS

County of Ocean
Department of Solid Waste Management
P.O. Box 2191
Toms River, NJ 08754-2191

LOCATION OF ACTIVITY

Lakewood Township Landfill
New Hampshire Avenue
Lakewood, NJ 08701

NJPDES PERMIT NUMBER: NJ0061085
MONITORING REPORT TYPE: Groundwater Monitoring Well Report
MONITORING PERIOD:
MONITORING LOCATION:
MONITORING LOCATION GROUP: Monitoring Wells 1-5, Surface Location & Seeps
REGION/COUNTY: Central/Ocean

CHECK IF APPLICABLE: **No Discharge this Monitoring Period.**

MONITORING REPORT COMMENT(s): _____

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein; and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. See 18 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or a maximum imprisonment of between 6 months and 5 years).

NAME AND TITLE OF PRINCIPAL EXECUTIVE
OFFICER OR AUTHORIZED AGENT

SIGNATURE OF PRINCIPAL EXECUTIVE
OFFICER OR AUTHORIZED AGENT

AREA CODE/TELEPHONE NUMBER

DATE (MONTH/DAY/YEAR)

CONTRACT A**Groundwater Monitoring Well Report – (Semiannual)**

PERMIT NUMBER: MONITORED LOCATION: MONITORED PERIOD: FACILITY NAME

NJ0061085

LAKEWOOD TOWNSHIP LANDFILL

SAMPLE DATE OF REPORT:

PARAMETER	REPORTED VALUE	UNITS	REMARK CODE*	SAMPLE TYPE	SUBMISSION REQUIREMENT
Biochemical Oxygen Demand – 5 Day 00310 Monitoring Well		PPM			Semiannual
Chloride (as Cl) 82295 Monitoring Well		PPM			Semiannual
Chemical Oxygen Demand (COD) Dissolved 00341 Monitoring Well		PPM			Semiannual
Coliform, Total 74056 Monitoring Well		n/100mL			Semiannual
Color 00080 Monitoring Well		UNITS			Semiannual
Copper, Dissolved 01040 Monitoring Well		PPB			Semiannual
Fecal Coliform (SM 9221E) 74055 Monitoring Well		MPN			Semiannual
Iron, Dissolved 01046 Monitoring Well		PPM			Semiannual
Lead, Dissolved 01049 Monitoring Well		PPB			Semiannual
Methylene Blue Active Substances 38260 Monitoring Well		PPM			Semiannual
Nitrogen, Ammonia Total (Dissolved) 00608 Monitoring Well		PPM			Semiannual
Nitrogen, Kjeldahl Nitrogen Total (as N) 00625 Monitoring Well		PPM			Semiannual
Nitrogen, Nitrate Total (Dissolved) 00618 Monitoring Well		PPM			Semiannual
Nitrogen, Nitrite Total (Dissolved) 00613 Monitoring Well		PPM			Semiannual
Odor 00085 Monitoring Well		TON			Semiannual
Oxygen, Dissolved (Field) 00300 Monitoring Well		PPM			Semiannual
pH 00400 Monitoring Well		SU			Semiannual
Phenols, Total Recoverable 32730 Monitoring Well		PPM			Semiannual
Phosphorus, Total (as P) 00665 Monitoring Well		PPM			Semiannual
Sodium, Total (as Na) 00930 Monitoring Well		PPM			Semiannual
Sulfate, Dissolved (as SO ₄) 00946 Monitoring Well		PPM			Semiannual
Solids, Total Dissolved (TDS) 70300 Monitoring Well		PPM			Semiannual
Solids, Total Suspended (TSS) 00530 Monitoring Well		PPM			Semiannual
Total Organic Carbon (TOC) 00680 Monitoring Well		PPM			Semiannual
Total Organic Carbon (TOX) 70353 Monitoring Well		PPB			Semiannual
Turbidity 00076 Monitoring Well		NTU			Semiannual
Zinc, Dissolved 01090 Monitoring Well		PPB			Semiannual
Depth to H ₂ O From Original Ground Level 72019 Monitoring Well		0.01 ft.			Semiannual
Elev. Top Mon. Well Casing above MSL 72110 Monitoring Well		0.01 ft.			Semiannual
Depth to Water Table From Top of Casing 82546 Monitoring Well		0.01 ft.			Semiannual

Groundwater Monitoring Well Report – (Annual)

PERMIT NUMBER: **NJ0061085** MONITORED LOCATION: MONITORED PERIOD: FACILITY NAME: **LAKWOOD TOWNSHIP LANDFILL**

SAMPLE DATE OF REPORT:

PARAMETER	REPORTED VALUE	UNITS	REMARK CODE*	SAMPLE TYPE	SUBMISSION REQUIREMENT
Arsenic, Dissolved 01000 Monitoring Well		PPB			2 nd Quarter Only
Barium, Dissolved 01005 Monitoring Well		PPB			2 nd Quarter Only
Chromium Dissolved, Hexavalent 01230 Monitoring Well		PPB			2 nd Quarter Only
Cyanide, Total 00720 Monitoring Well		PPM			2 nd Quarter Only
Fluoride, Dissolved 00950 Monitoring Well		PPM			2 nd Quarter Only
Hardness, Total (as CaCo ₃) 00900 Monitoring Well		PPM			2 nd Quarter Only
Manganese, Dissolved 01056 Monitoring Well		PPB			2 nd Quarter Only
Mercury, Dissolved 71890 Monitoring Well		PPB			2 nd Quarter Only
Selenium, Dissolved 01145 Monitoring Well		PPB			2 nd Quarter Only
Silver, Dissolved 01075 Monitoring Well		PPB			2 nd Quarter Only
Acrylonitrile 34215 Monitoring Well		PPB			2 nd Quarter Only
Benzene 34030 Monitoring Well		PPB			2 nd Quarter Only
Bromoform 32104 Monitoring Well		PPB			2 nd Quarter Only
Carbon Tetrachloride 32102 Monitoring Well		PPB			2 nd Quarter Only
Chlorobenzene 34301 Monitoring Well		PPB			2 nd Quarter Only
Chlorodibromomethane 34306 Monitoring Well		PPB			2 nd Quarter Only
Chloroform 32106 Monitoring Well		PPB			2 nd Quarter Only
1, 1-Dichloroethane 34496 Monitoring Well		PPB			2 nd Quarter Only
1, 2-Dichloroethane 34531 Monitoring Well		PPB			2 nd Quarter Only
1, 1-Dichloroethylene 34501 Monitoring Well		PPB			2 nd Quarter Only
1, 2-Dichloropropane 34541 Monitoring Well		PPB			2 nd Quarter Only
Ethylbenzene 34371 Monitoring Well		PPB			2 nd Quarter Only

Lab Certification #

99999 Lab: _____

Groundwater Monitoring Well Report – (Annual)

PERMIT NUMBER: **NJ0061085** MONITORED LOCATION: MONITORED PERIOD: FACILITY NAME
 LAKEWOOD TOWNSHIP LANDFILL

SAMPLE DATE OF REPORT:

PARAMETER	REPORTED VALUE	UNITS	REMARK CODE*	SAMPLE TYPE	SUBMISSION REQUIREMENT
Methylene Chloride 34423 Monitoring Well		PPB			2 nd Quarter Only
1,1,2,2-Tetrachloroethane 34516 Monitoring Well		PPB			2 nd Quarter Only
Tetrachloroethylene 34475 Monitoring Well		PPB			2 nd Quarter Only
Toluene 34010 Monitoring Well		PPB			2 nd Quarter Only
1,1,1-Trichloroethane 34506 Monitoring Well		PPB			2 nd Quarter Only
1,1,2-Trichloroethane 34511 Monitoring Well		PPB			2 nd Quarter Only
Trichloroethylene 39180 Monitoring Well		PPB			2 nd Quarter Only
Vinyl Chloride 39175 Monitoring Well		PPB			2 nd Quarter Only
Acrolein 34210 Monitoring Well		PPB			2 nd Quarter Only
Chloroethane 34311 Monitoring Well		PPB			2 nd Quarter Only
2-Chloroethyl Vinyl Ether 34576 Monitoring Well		PPB			2 nd Quarter Only
Bromodichloromethane 32105 Monitoring Well		PPB			2 nd Quarter Only
1,3-trans-Dichloropropene 34699 Monitoring Well		PPB			2 nd Quarter Only
Methyl bromide 34413 Monitoring Well		PPB			2 nd Quarter Only
Methyl chloride 34418 Monitoring Well		PPB			2 nd Quarter Only
1,2—trans-Dichloroethene 34546 Monitoring Well		PPB			2 nd Quarter Only
Bis (chloromethyl) Ether 34268 Monitoring Well		PPB			2 nd Quarter Only
Trichlorofluoromethane 34488 Monitoring Well		PPB			2 nd Quarter Only
Dichlorodifluoromethane 34668 Monitoring Well		PPB			2 nd Quarter Only

Lab Certification #

99999 Lab: _____

CONTRACT A

MONITORING WELL CERTIFICATION – FORM A – AS-BUILT CERTIFICATION

(One form must be completed for each well)

Name of Permittee: Lakewood Township
 Name of Facility: Old Lakewood Township Landfill
 Location: New Hampshire Avenue
 NJPDES Permit No: NJ 0061085

CERTIFICATION

Well Permit Number (As assigned by NJDEP's Well Drilling Permits Section (609 – 984-6831)):	<u>2 9 - 1 8 5 9 7 - 1</u>
Owner's Well Number (As shown on the application or plans):	<u>MW1</u>
Well Completion Date:	<u>5/21/87</u>
Distance from Top of Casing (cap off) to ground surface (one-hundredth of a foot):	<u>3.60</u>
Total Depth of Well (one-hundredth of a foot):	<u>20.04</u>
Depth to Top of Screen From Top of Casing – (one-hundredth of a foot):	<u>7.60</u>
Screen Length (feet):	<u>20</u>
Screen or Slot Size:	<u>.010</u>
Screen or Slot Material:	<u>SCH 40 PVC</u>
Casing Material: (PVC, Steel or Other – Specify):	<u>SCH 40 PVC</u>
Casing Diameter (Inches):	<u>4</u>
Static Water Level from Top of Casing at the Time of Installation (one-hundredth of a foot):	<u>9.12</u>
Yield (Gallons per Minute):	<u>3</u>
Length of time Well Pumped or Bailed	<u>Hours 40 Minutes</u>
Lithologic Log:	<u>ATTACH</u>

AUTHENTICATION

I certify under penalty of law that, where applicable, I meet the requirements as specified on the reverse of this page, that I have personally examined and am familiar with the information submitted in this document and all attachments, and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

William J. Hampton, P.E.
 NAME (TYPE OR PRINT)

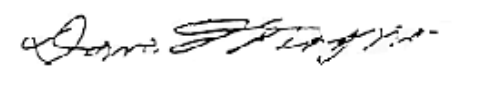

 SIGNATURE

New Jersey License No. 17047
 CERTIFICATION OR LICENSE NUMBER

SEAL

 CERTIFICATION BY EXECUTIVE OFFICER OR DULY AUTHORIZED REPRESENTATIVE

DAVE MAGNO, P.E.
 NAME (TYPE OR PRINT)


 SIGNATURE

PROJECT MANAGER
 TITLE

5/5/88
 DATE

CONTRACT A

THIS FORM MUST BE COMPLETED BY THE PERMITTEE OR HIS/HER AGENT

GROUNDWATER MONITORING WELL CERTIFICATION - FORM B - LOCATION CERTIFICATION

Name of Permittee: Lakewood Township
 Name of Facility: Ocean County Recycling Center
 Location: New Hampshire Avenue
Lakewood Township, Ocean County

NJPDES Number: NJ 0061085

LAND SURVEYOR'S CERTIFICATION

Well Permit Number (As assigned by NJDEP's Water Allocation Section, 609-984-6831):	<u>29-18597-1</u>
This number must be permanently affixed to the Well casing.	
Longitude (one-hundredth of a second):	West <u>74/11/29.4</u>
Latitude (one-hundredth of a second):	North <u>40/03/55.8</u>
Elevation of Top of Casing (cap off) (one-hundredth of a foot):	<u>67.70</u>
Owners Well Number (As shown on the application or plans):	<u>#1</u>

AUTHENTICATION

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



 PROFESSIONAL LAND SURVEYOR'S SIGNATURE

Charles W. Thomas

 PROFESSIONAL LAND SURVEYOR'S NAME
 (Please print or type)

SEAL

#27495

 PROFESSIONAL LAND SURVEYOR'S LICENSE #

The Department reserves the right in cases of violation or permit specified groundwater limits or Groundwater Quality Standards (N.J.A.C. 7:9-6.1 et seq.) to require that wells be resurveyed to an accuracy of one-hundredth of a second latitude and longitude. This shall not be considered to require a major modification of the NJPDES permit.

CONTRACT A

MONITORING WELL CERTIFICATION - FORM A - AS-BUILT CERTIFICATION

(One form must be completed for each well)

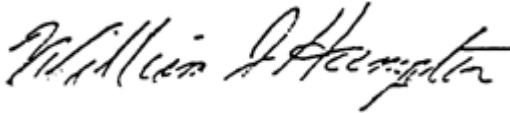
Name of Permittee: Lakewood Township
 Name of Facility: Old Lakewood Township Landfill
 Location: New Hampshire Avenue
 NJPDES Permit No: NJ 0061085

CERTIFICATION

Well Permit Number (As assigned by NJDEP's Well Drilling Permits Section (609 - 984-6831)):	<u>2 9 - 1 8 5 9 6 - 3</u>
Owner's Well Number (As shown on the application or plans):	<u>MW2</u>
Well Completion Date:	<u>5/20/87</u>
Distance from Top of Casing (cap off) to ground surface (one-hundredth of a foot):	<u>2.85</u>
Total Depth of Well (one-hundredth of a foot):	<u>20.75</u>
Depth to Top of Screen From Top of Casing - (one-hundredth of a foot):	<u>6.85</u>
Screen Length (feet):	<u>20</u>
Screen or Slot Size:	<u>.010</u>
Screen or Slot Material:	<u>SCH 40 PVC</u>
Casing Material: (PVC, Steel or Other - Specify):	<u>SCH 40 PVC</u>
Casing Diameter (Inches):	<u>4</u>
Static Water Level From Top of Casing at The Time of Installation (one-hundredth of a foot):	<u>8.52</u>
Yield (Gallons per Minute):	<u>3</u>
Length of time Well Pumped or Bailed	<u>Hours 45 Minutes</u>
Lithologic Log:	<u>ATTACH</u>


AUTHENTICATION

I certify under penalty of law that, where applicable, I meet the requirements as specified on the reverse of this page, that I have personally examined and am familiar with the information submitted in this document and all attachments, and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

<u>William J. Hampton, P.E.</u> NAME (TYPE OR PRINT)	 SIGNATURE
---	---

<u>New Jersey License No. 17047</u> CERTIFICATION OR LICENSE NUMBER	SEAL
--	------

CERTIFICATION BY EXECUTIVE OFFICER OR DULY AUTHORIZED REPRESENTATIVE

<u>DAVE MAGNO, P.E.</u> NAME (TYPE OR PRINT)	 SIGNATURE
---	---

<u>PROJECT MANAGER</u> TITLE	<u>5/5/88</u> DATE
---------------------------------	-----------------------

CONTRACT A**THIS FORM MUST BE COMPLETED BY THE PERMITTEE OR HIS/HER AGENT****GROUNDWATER MONITORING WELL CERTIFICATION - FORM B - LOCATION CERTIFICATION**

Name of Permittee: Lakewood Township
 Name of Facility: Ocean County Recycling Center
 Location: New Hampshire Avenue
Lakewood Township, Ocean County

NJPDES Number: NJ 0061085

LAND SURVEYOR'S CERTIFICATION

Well Permit Number (As assigned by NJDEP's Water Allocation Section, 609-984-6831): 29-18596-3
 This number must be permanently affixed to the Well casing.
 Longitude (one-hundredth of a second): West 74/11/12.7
 Latitude (one-hundredth of a second): North 40/03/48.7
 Elevation of Top of Casing (cap off) (one-hundredth of a foot): 51.24
 Owners Well Number (As shown on the application or plans): #2

AUTHENTICATION

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



 PROFESSIONAL LAND SURVEYOR'S SIGNATURE

Charles W. Thomas
 PROFESSIONAL LAND SURVEYOR'S NAME
 (Please print or type)

SEAL

#27495
 PROFESSIONAL LAND SURVEYOR'S LICENSE #

The Department reserves the right in cases of violation or permit specified groundwater limits or Groundwater Quality Standards (N.J.A.C. 7:9-6.1 *et seq.*) to require that wells be resurveyed to an accuracy of one-hundredth of a second latitude and longitude. This shall not be considered to require a major modification of the NJPDES permit.

CONTRACT A

MONITORING WELL CERTIFICATION – FORM A – AS-BUILT CERTIFICATION

(One form must be completed for each well)

Name of Permittee: Township of Lakewood
 Name of Facility: Ocean County Recycling Center
 Location: Lakewood, New Jersey
 NJPDES Permit No: 0061085

CERTIFICATION

Well Permit Number (As assigned by NJDEP's Bureau of Water Allocation:	<u>2 9 - 4 2 2 1 5 - 9</u>
Owner's Well Number (As shown on the application or plans):	<u>MW-3</u>
Well Completion Date:	<u>10/16/89</u>
Distance from Top of Casing (cap off) to ground surface (one-hundredth of a foot):	<u>2.0</u>
Total Depth of Well to the nearest ½ foot:	<u>23</u>
Depth to Top of Screen From Top of Casing (or depth to open hole) to the nearest ½ foot:	<u>14.0</u>
Screen Length (or length of open hole) in feet:	<u>10.0</u>
Screen or Slot Size:	<u>.02</u>
Screen or Slot Material:	<u>PVC</u>
Casing Material: (PVC, Steel or Other – Specify):	<u>PVC</u>
Casing Diameter (inches):	<u>4</u>
Static Water Level From Top of Casing at The Time of Installation (one-hundredth of a foot):	<u>1.1'</u>
Yield (gallons per minute):	<u>60</u>
Development Technique (specify)	<u>Centrifugal Pump</u>
Length of time Well is Developed/Pumped or Bailed:	<u>.5 Hours - Minutes</u>
Lithologic Log:	<u>Attach</u>

Authentication

I certify under penalty of law that, where applicable, I meet the requirements as specified on the reverse of this page, that I have personally examined and am familiar with the information submitted in this document and all attachments, and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Jerry Perricone
 NAME (TYPE OR PRINT)



 SIGNATURE

GE – 29897
 CERTIFICATION OR LICENSE NUMBER

SEAL

 CERTIFICATION BY EXECUTIVE OFFICER OR DULY AUTHORIZED REPRESENTATIVE

Dave Magno
 NAME (TYPE OR PRINT)


 SIGNATURE

Consulting Engineer
 TITLE

January 15, 1990
 DATE

CONTRACT A**THIS FORM MUST BE COMPLETED BY THE PERMITTEE OR HIS/HER AGENT****GROUNDWATER MONITORING WELL CERTIFICATION - FORM B - LOCATION CERTIFICATION**

Name of Permittee: Lakewood Township
 Name of Facility: Ocean County Recycling Center
 Location: New Hampshire Avenue
Lakewood Township, Ocean County

NJPDES Number: NJ 0061085

LAND SURVEYOR'S CERTIFICATION

Well Permit Number (As assigned by NJDEP's Water Allocation Section, 609-984-6831): 29-42215-9
 This number must be permanently affixed to the Well casing.

Longitude (one-hundredth of a second): West 74/11/06/1
 Latitude (one-hundredth of a second): North 40/03/52/5
 Elevation of Top of Casing (cap off) (one-hundredth of a foot): 48.13
 Owners Well Number (As shown on the application or plans): #3

AUTHENTICATION

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



 PROFESSIONAL LAND SURVEYOR'S SIGNATURE

Charles W. Thomas
 PROFESSIONAL LAND SURVEYOR'S NAME
 (Please print or type)

SEAL

#27495
 PROFESSIONAL LAND SURVEYOR'S LICENSE #

The Department reserves the right in cases of violation or permit specified groundwater limits or Groundwater Quality Standards (N.J.A.C. 7:9-6.1 et seq.) to require that wells be resurveyed to an accuracy of one-hundredth of a second latitude and longitude. This shall not be considered to require a major modification of the NJPDES permit.

CONTRACT A

MONITORING WELL CERTIFICATION – FORM A – AS-BUILT CERTIFICATION

(One form must be completed for each well)

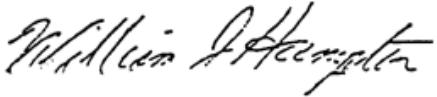
Name of Permittee: Lakewood Township
 Name of Facility: Old Lakewood Township Landfill
 Location: New Hampshire Avenue
 NJPDES Permit No: NJ 0061085

CERTIFICATION

Well Permit Number (As assigned by NJDEP's Well Drilling Permits Section (609 – 984-6831)):	<u>2 9 - 1 8 5 9 2 - 1</u>
Owner's Well Number (As shown on the application or plans):	<u>MW4</u>
Well Completion Date:	<u>5/19/87</u>
Distance from Top of Casing (cap off) to ground surface (one-hundredth of a foot):	<u>2.25</u>
Total Depth of Well (one-hundredth of a foot):	<u>20.44</u>
Depth to Top of Screen From Top of Casing – (one-hundredth of a foot):	<u>6.25</u>
Screen Length (feet):	<u>20</u>
Screen or Slot Size:	<u>.010</u>
Screen or Slot Material:	<u>SCH 40 PVC</u>
Casing Material: (PVC, Steel or Other – Specify):	<u>SCH 40 PVC</u>
Casing Diameter (Inches):	<u>4</u>
Static Water Level From Top of Casing at The Time of Installation (one-hundredth of a foot):	<u>8.71</u>
Yield (Gallons per Minute):	<u>4</u>
Length of time Well Pumped or Bailed	<u>Hours 40 Minutes</u>
Lithologic Log:	<u>ATTACH</u>


AUTHENTICATION

I certify under penalty of law that, where applicable, I meet the requirements as specified on the reverse of this page, that I have personally examined and am familiar with the information submitted in this document and all attachments, and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

<u>William J. Hampton, P.E.</u> NAME (TYPE OR PRINT)	 SIGNATURE
---	---

<u>New Jersey License No. 17047</u> CERTIFICATION OR LICENSE NUMBER	SEAL
--	------

 CERTIFICATION BY EXECUTIVE OFFICER OR DULY AUTHORIZED REPRESENTATIVE

<u>DAVE MAGNO, P.E.</u> NAME (TYPE OR PRINT)	 SIGNATURE
---	---

<u>PROJECT MANAGER</u> TITLE	<u>5/5/88</u> DATE
---------------------------------	-----------------------

CONTRACT A**THIS FORM MUST BE COMPLETED BY THE PERMITTEE OR HIS/HER AGENT****GROUNDWATER MONITORING WELL CERTIFICATION - FORM B - LOCATION CERTIFICATION**

Name of Permittee: Lakewood Township
 Name of Facility: Ocean County Recycling Center
 Location: New Hampshire Avenue
Lakewood Township, Ocean County

NJPDES Number: NJ 0061085

LAND SURVEYOR'S CERTIFICATION

Well Permit Number (As assigned by NJDEP's Water Allocation Section, 609-984-6831): 29-18592-1
 This number must be permanently affixed to the Well casing.
 Longitude (one-hundredth of a second): West 74/11/03.9
 Latitude (one-hundredth of a second): North 40/03/57.6
 Elevation of Top of Casing (cap off) (one-hundredth of a foot): 51.00
 Owners Well Number (As shown on the application or plans): #4

AUTHENTICATION

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



 PROFESSIONAL LAND SURVEYOR'S SIGNATURE

Charles W. Thomas
 PROFESSIONAL LAND SURVEYOR'S NAME
 (Please print or type)

SEAL

#27495
 PROFESSIONAL LAND SURVEYOR'S LICENSE #

The Department reserves the right in cases of violation or permit specified groundwater limits or Groundwater Quality Standards (N.J.A.C. 7:9-6.1 et seq.) to require that wells be resurveyed to an accuracy of one-hundredth of a second latitude and longitude. This shall not be considered to require a major modification of the NJPDES permit.

CONTRACT A

MONITORING WELL CERTIFICATION – FORM A – AS-BUILT CERTIFICATION

(One form must be completed for each well)

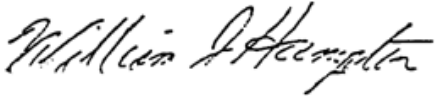
Name of Permittee: Lakewood Township
 Name of Facility: Old Lakewood Township Landfill
 Location: New Hampshire Avenue
 NJPDES Permit No: NJ 0061085

CERTIFICATION

Well Permit Number (As assigned by NJDEP's Well Drilling Permits Section (609 – 984-6831)):	<u>2 9 - 1 8 5 9 1 - 2</u>
Owner's Well Number (As shown on the application or plans):	<u>MW5</u>
Well Completion Date:	<u>5/21/87</u>
Distance from Top of Casing (cap off) to ground surface (one-hundredth of a foot):	<u>1.75</u>
Total Depth of Well (one-hundredth of a foot):	<u>20.25</u>
Depth to Top of Screen From Top of Casing – (one-hundredth of a foot):	<u>5.75</u>
Screen Length (feet):	<u>20</u>
Screen or Slot Size:	<u>.010</u>
Screen or Slot Material:	<u>SCH 40 PVC</u>
Casing Material: (PVC, Steel or Other – Specify):	<u>SCH 40 PVC</u>
Casing Diameter (Inches):	<u>4</u>
Static Water Level From Top of Casing at The Time of Installation (one-hundredth of a foot):	<u>8.79</u>
Yield (Gallons per Minute):	<u>4</u>
Length of time Well Pumped or Bailed	<u>Hours 45 Minutes</u>
Lithologic Log:	<u>ATTACH</u>


AUTHENTICATION

I certify under penalty of law that, where applicable, I meet the requirements as specified on the reverse of this page, that I have personally examined and am familiar with the information submitted in this document and all attachments, and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

<u>William J. Hampton, P.E.</u> NAME (TYPE OR PRINT)	 SIGNATURE
---	---

<u>New Jersey License No. 17047</u> CERTIFICATION OR LICENSE NUMBER	SEAL
--	------

 CERTIFICATION BY EXECUTIVE OFFICER OR DULY AUTHORIZED REPRESENTATIVE

<u>DAVE MAGNO, P.E.</u> NAME (TYPE OR PRINT)	 SIGNATURE
---	---

<u>PROJECT MANAGER</u> TITLE	<u>5/5/88</u> DATE
---------------------------------	-----------------------

CONTRACT A

THIS FORM MUST BE COMPLETED BY THE PERMITTEE OR HIS/HER AGENT

GROUNDWATER MONITORING WELL CERTIFICATION - FORM B - LOCATION CERTIFICATION

Name of Permittee: Lakewood Township
 Name of Facility: Ocean County Recycling Center
 Location: New Hampshire Avenue
Lakewood Township, Ocean County

 NJPDES Number: NJ 0061085

LAND SURVEYOR'S CERTIFICATION

Well Permit Number (As assigned by NJDEP's Water Allocation Section, 609-984-6831): 29-18591-2
 This number must be permanently affixed to the Well casing.
 Longitude (one-hundredth of a second): West 74/11/11.9
 Latitude (one-hundredth of a second): North 40/04/00.8
 Elevation of Top of Casing (cap off) (one-hundredth of a foot): 50.95
 Owners Well Number (As shown on the application or plans): #5

AUTHENTICATION

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



 PROFESSIONAL LAND SURVEYOR'S SIGNATURE

Charles W. Thomas
 PROFESSIONAL LAND SURVEYOR'S NAME
 (Please print or type)

SEAL

#27495
 PROFESSIONAL LAND SURVEYOR'S LICENSE #

The Department reserves the right in cases of violation or permit specified groundwater limits or Groundwater Quality Standards (N.J.A.C. 7:9-6.1 *et seq.*) to require that wells be resurveyed to an accuracy of one-hundredth of a second latitude and longitude. This shall not be considered to require a major modification of the NJPDES permit.

CONTRACT B



State of New Jersey

JOHN W. GASTON JR., P.E.
DIRECTORDEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCESDIRK C. HOFMAN, P.E.
DEPUTY DIRECTOR

CN 029

TRENTON, NEW JERSEY 08625

CERTIFIED MAIL

RETURNED RECEIPT REQUESTEDJoe Caldiera
Southern Ocean Landfill
1647 Whittier Avenue
Toms River, N.J. 08753

APR 25 1985

Re: NJPDES Permit No. NJ0050482
Effective Date:

Dear Mr. Caldiera:

Enclosed is the final NJPDES/Ground Water Discharge Permit and Notice of Authorization to discharge pollutants to the ground waters of the State, issued in accordance with the New Jersey Pollutant Discharge Elimination System Regulations, N.J.A.C. 7:14A-1 et seq. Violation of any condition of this permit may subject you to significant penalties.

Within 30 calendar days following your receipt of this permit, under N.J.A.C. 7:14A-8.6 you may submit a request to the Administrator for an adjudicatory hearing to reconsider or contest the conditions of this permit. Regulations regarding the format and requirements for requesting an adjudicatory hearing may be found in N.J.A.C. 7:14A-8.9 through 8.13. The request should be made to:

Administrator
Water Quality Management Element
Division of Water Resources
CN-029
Trenton, New Jersey 08625

Application for renewal of this permit must be submitted at least 180 days prior to expiration of this permit pursuant to N.J.A.C. 7:14A-2.1(f)5.

If you have any questions on this action, please contact the Bureau of Ground Water Discharge Permits at (609) 292-0424.

Very truly yours,

A handwritten signature in dark ink, appearing to read "John J. Trela", written in a cursive style.

John J. Trela, Ph.D., Chief
Bureau of Ground Water Discharge Permits

CONTRACT B

STATE OF NEW JERSEY
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
 CN 402
 Trenton, N.J. 08625



PERMIT

The New Jersey Department of Environmental Protection grants this permit in accordance with your application, attachment accompanying same application, and applicable laws and regulations. This permit is also subject to the further conditions and stipulations enumerated in the supporting documents which are agreed to by the permittee upon acceptance of the permit.

Permit No. NJ# 0050482	Issuance Date 4/25/85	Effective Date 6/1/85	Expiration Date 5/31/88
Name and Address of Applicant Southern Ocean Landfill, Inc. 1647 Whittier Avenue Toms River, NJ 08753	Location of Activity/Facility Intersection of Rts. 532 & 611 (Brookville Road) Wells Mill Road Waretown, Ocean Twp., NJ 08758		Name and Address of Owner SAME AS APPLICANT
Issuing Division WATER RESOURCES	Type of Permit NJDES Permit for Discharge to Ground Water	Statute(s) N.J.S.A. 58:10A-1 et seq. N.J.A.C. 7:14A-1 et seq.	Application No. NA

This permit requires Southern Ocean Landfill, Inc. to monitor the ground water at a sanitary landfill in Ocean Township by operating and maintaining 13 ground water monitoring wells according to the specific and general conditions of this Initial Interim NJDES permit. The Initial Interim NJDES permit is intended to establish an adequate ground water monitoring program at the above named facility. This permit is only intended to obtain ground water data to evaluate the current status and impact of this facility on ground water. It shall not be construed, nor is it intended to be an approval of any activity that the permittee has conducted which adversely affects the environment, ground or surface water quality, or threatens the public health, safety, or welfare.

The issuance of this Initial Interim permit does not indicate that the Department has made a determination of the technical adequacy of the information available. Initial Interim permit shall not be construed as, nor as they intended to be, long-term approvals; these permits are limited duration.

The data generated through the Initial Interim NJDES permit will be used by the Department to evaluate the current status and impact of existing facilities on ground water quality. It will also give the Department information to determine if there is any potential or actual threat to public health or safety or damage to the environment due to current or past practice. Based on the information generated by the issuance of this permit, the Department may require the permittee to reduce the quantity of discharge, upgrade or install additional treatment, install additional monitor wells, conduct ground water decontamination procedures or cease discharges to waters of the state.

The issuance of this Initial Interim NJDES permit does not bind the Department to renew this permit, nor does it relieve the permittee of the duty to submit additional information as specified in Chapters 6 and 10 of the NJDES regulations at the time of application renewal or as may be required by the Department prior to permit renewal. Additionally, this Initial Interim NJDES permit does not relieve the permittee of any liabilities associated with public health or safety problems or environmental damage created as a result of the permittee's activities.

Documents attached hereto shall become part of the permit.

Approved by the Department of Environmental Protection
 BY AUTHORITY OF:
 JOHN W. GASTON, JR., P.E.
 DIRECTOR
 DIVISION OF WATER RESOURCES


 ARNOLD SCHIFFMAN, ADMINISTRATOR
 WATER QUALITY MANAGEMENT

DATE

* The word permit means "approval, certification, registration, etc."

CONTRACT B**FACT SHEET**

For N.J.P.D.E.S. Permit to Discharge
Into the Groundwaters of the State

NAME AND ADDRESS OF APPLICANT:

Southern Ocean Landfill, Inc.
1647 Whittier Avenue
Toms River, NJ 08753

NAME AND ADDRESS OF FACILITY WHERE DISCHARGE OCCURS:

Southern Ocean Landfill, Inc.
Intersection of Rts. 532 & 611 (Brookville Road)
Wells Mills Road
Waretown, Ocean Township, NJ 08758

RECEIVING WATER:

The groundwaters of the State. The discharge is to the Tertiary Cohansey Formation which is an aquifer in the Coastal Plain of Southern New Jersey.

DESCRIPTION OF FACILITY:

The SOLF's property is 283 acres in size and accepts municipal solid waste and sewage sludge. Agricultural, vegetative and bulk waste in addition to septage, liquid sewage sludge and bulk liquid wastes were also landfilled.

The landfill is an unlined facility of approximately 45 acres within the Cohansey aquifer. An expansion has been planned for a regional landfill site for Ocean County within the remainder of the landfill's property. However, this has yet to be implemented.

DESCRIPTION OF NJPDES GROUNDWATER MONITORING PERMIT:

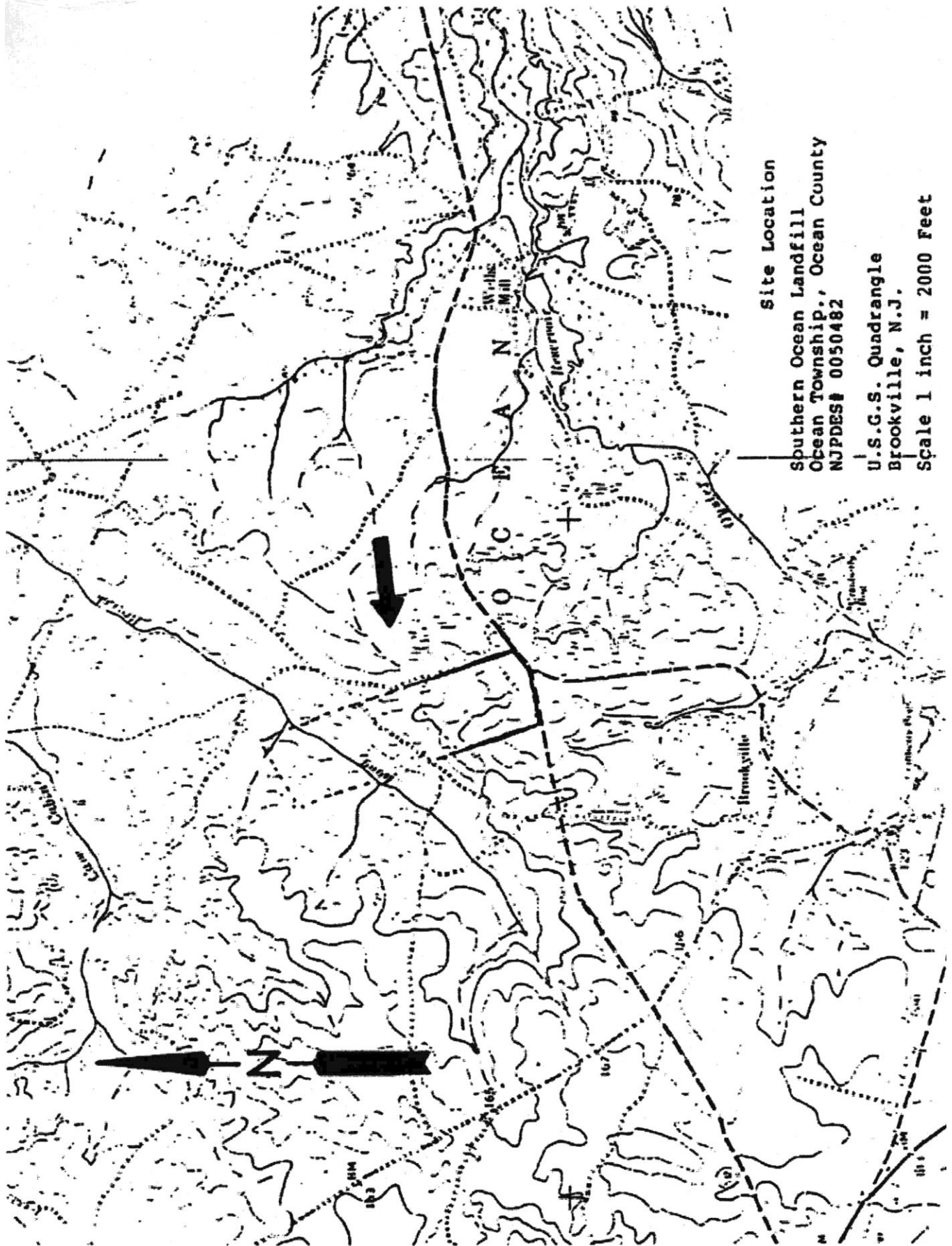
The non-point discharge to the groundwater is leachate generated within the landfill. There will be 17 Groundwater Monitoring Wells (MW-1 through 9, ES – 10s, 10d, 11s and 11d and ALS 1d, 1s, 2s and 3s) to sample for groundwater quality.

There will be a semi-annual NJPDES sampling for the 17 water quality wells. The initial round of sampling for all wells shall include base neutral acid extractable and poly- chlorinated biphenyl compounds.

PERMIT CONDITIONS:

To issue a draft Initial Interim Groundwater Monitoring Permit with the attached conditions.

CONTRACT B



CONTRACT BSTATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES

GENERAL CONDITIONS FOR ALL NJPDES DISCHARGE PERMITS

1. Duty to Comply

- A. The permittee shall comply with all conditions of this permit. The discharge of any pollutant not specifically authorized in the NJPDES permit shall constitute a violation of the permit, unless the permittee can prove by clear and convincing evidence that the discharge of the unauthorized pollutant did not result from any of the permittee's activities which contribute to the generation of its wastewaters. Any permit noncompliance constitutes a violation of the New Jersey Water Pollution Control Act (N.J.S.A. 58:10A-1 et seq.; hereinafter the State Act) or other authority of these regulations and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.
- B. A permittee shall not achieve any affluent concentration by dilution. Nor shall a permittee increase the use of process water or cooling water or otherwise attempt to dilute a discharge as a partial or complete limitations or water quality standards.
- C. The permittee shall comply with applicable effluent standards or prohibitions established under Section 307 (a) of the "Federal Water Pollution Control Act" (PL 92-500 et seq.; hereinafter the Federal Act) and Section 4 of the State Act for toxic pollutants within the time provided in the regulations that establish these standards or prohibitions, even if the permit has not yet been modified to incorporate the requirement.
- D. The State Act provides that any person who violates a permit condition implementing the State Act is subject to a civil penalty not to exceed \$10,000 per day of such violation. Any person who willfully or negligently violates permit conditions implementing the State Act is subject to a fine of not more than \$25,000 per day, or by imprisonment for not more than 1 year, or both.
- E. The permittee is required to comply with all other applicable federal, state and local rules, regulations, or ordinances. The issuance of this permit shall not be considered as a waiver of any other requirements.

2. Duty to Reapply

- A. If the permittee wishes to continue an activity regulated by a NJPDES permit after the expiration day of the permit, the permittee shall apply for and obtain a new permit. (If the activity is to be continued, the permittee shall complete, sign, and submit an application no later than 180 days before the expiration date).
- B. Permit applications shall be signed as follows:
 - (1) For a corporation, by the principal executive officer of at least the level of vice president.
 - (2) For a partnership or sole proprietorship by a general partner or the proprietor, respectively; or
 - (3) For a municipality, State, Federal, or other public agency, by either a principal executive officer or ranking elected official. The person signing the application must provide the certification required by N.J.A.C. 7:14A-2.4(d).

CONTRACT B**3. Duty to Halt or Reduce Activity**

- A. It shall not be a defense for a 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 this permit.
- B. Upon reduction, loss, or failure of the treatment facility, the permittee shall, to the extent necessary to maintain compliance with its permit, control production or discharges or both until the facility is restored to its permitted limits or an alternative method of treatment is provided. This requirement applies, for example, when the primary source of power of the treatment facility fails or is reduced or lost.

4. Duty to Mitigate

The permittee shall take all reasonable steps to minimize or correct any adverse impact on the environment resulting from noncompliance with this permit, including but not limited to accelerated and/or additional types of monitoring, temporary repairs or other mitigating measures.

5. Proper Operation, Maintenance and Licensing

The permittee shall at all times maintain in good working order and operate as efficiently as possible, all treatment works, facilities, and system of treatment and control (and related appurtenances) for collection and treatment which are installed or used by the permittee for water pollution control and abatement to achieve compliance with the terms and conditions of the permit. Proper operation and maintenance includes but is not limited to effective performance based on designed facility removals, adequate funding, effective management, adequate operator staffing and training and adequate laboratory and process controls including appropriate quality assurance procedures as described in 40 CFR 136 and applicable State Law and regulations. All permittees who operate a treatment works, except for sanitary landfills and land application of sludge or septage, must satisfy the licensing requirements of the "Licensing of Superintendents or Operators of Public Water

Treatment Plants, public Sewage Treatment Plants and Public Water Supply Systems" N.J.S.A. 58:11-18.10 et seq. or other applicable law. The facility operator licensing requirements for this permit are identified in Section 18 of the General Conditions for all NJPDES Discharge Permits. This provision requires the operation of back-up or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit or where required by applicable law or regulation.

6. Permit Actions

- A. This permit may be modified, suspended, revoked and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.
- B. Causes for modification, revocation and reissuance, and suspension are set forth in N.J.A.C. 7:14A-2.12 et seq.

CONTRACT B**6. Permit Actions (cont'd)**

- C. The following are causes for termination or modifying a permit during its term, or for denying a permit renewal application:
- (1) Noncompliance by the permittee with any condition of the permit;
 - (2) Failure to pay applicable fees (N.J.A.C. 7:14A-1.9), including the annual NJPDES permit fee which has been assessed by the Department;
 - (3) The permittee's failure in the application or during the permit issuance process of a NPDES, DAC, NJPDES, Treatment Works Approval or Construct and Operate permit to disclose fully all relevant facts, or the permittee's misrepresentation of any permit condition;
 - (4) A determination that the permitted activity endangers human health or the environment and can only be regulated to acceptable levels by permit modification or termination;
 - (5) When there is a change in any condition that requires either a temporary or a permanent reduction or elimination of any discharge controlled by the permit discharge by connection to a DTW);
 - (6) The nonconformance of the discharge with any applicable facility, basin or area wide plans;
or
 - (7) If such permit is inconsistent with any duly promulgated effluent limitation, permit, regulation, statute, or other applicable state or federal law.

7. Property Rights

This permit does not convey any property rights of any sort or any exclusive privileges.

8. Duty to Provide Information

- A. The permittee shall furnish to the Director, within a reasonable time, any information which the Director may request to determine whether cause exists for modifying, suspending, revoking and reissuing, or termination this permit, or to determine compliance with this permit. The permittee shall also furnish to the Department, upon request, copies of records required by this permit.
- B. Where the permittee becomes aware that he has failed to submit any relevant facts in a permit application, or has submitted incorrect information in a permit application or in any report to the Department, the permittee shall promptly submit such facts or information.

9. Inspection and Entry

- A. The permittee shall allow the Regional Administrator of the USEPA, the Department (NJDEP), or any authorized representative (s), upon the presentation of credentials and other documents as may be required by law, to:
- (1) Enter upon the permittee's premises where a discharge source is or might be located or in which monitoring equipment or records required by a permit are kept, for purposes of inspection, sampling, copying or photographing. Photography shall be allowed only as related to the discharge;

CONTRACT B**9. Inspection and Entry (cont'd)**

- (2) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
 - (3) Inspect, at reasonable times, any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; and
 - (4) Sample or monitor, at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the State Act, any substances or parameters at any location. This shall include, but not be limited to the drilling or installation of monitoring wells for the purpose of obtaining samples of groundwater, soil and vegetation and measuring groundwater elevations.
- B. Any refusal by the permittee, facility landowner(s), facility lessee(s), their agents, or any other person (s) with legal authority, to allow entry to the authorized representatives of the DEP and/or EPA shall constitute grounds for suspension, revocation and/or termination of this permit.
- C. By acceptance of this permit, the permittee hereby agrees, consents and authorizes the representatives of the NJDEP and/or USEPA to present a copy of this permit to any Municipal or State Police officer having jurisdiction over the premises occupied by the permittee in order to have said officer effectuate compliance with the right of entry, should the permittee at any time refuse to allow entry to said inspectors.
- D. By acceptance of this permit, the permittee waives all rights to prevent inspections by authorized representatives of the NJDEP and/or USEPA to determine the extent of compliance with any and all conditions of this permit and agrees not to, in any manner, seek to charge said representatives with the civil or criminal act of trespass when they enter the premises occupied by the permittee in accordance with the provisions of this authorization as set forth herein above.

10. Monitoring and Records

- A. The permittee shall install and maintain groundwater monitoring wells required by this permit at locations and according to specifications provided by the Department. All permit required monitoring wells shall be installed within 30 days of the effective date of the permit. The monitoring wells shall provide turbidity-free water at a minimum rate of two gallons per minute or what the formation will yield with a properly installed and developed groundwater monitoring well.

When a monitoring well cannot be used for the purpose of sample collection or groundwater level measurements, the permittee shall replace the well at his own expense within 30 days of the missed sampling and/or measurement date. Monitoring wells as required in this permit shall be considered as a monitoring device, which are required to be maintained under the provisions of the New Jersey Water Pollution Control Act N.J.S.A. 58:10A-10(f).

All monitoring wells must be installed by a New Jersey licensed Well Driller. The elevation to the nearest hundredth of a foot of the top of each well casing shall be established by a New Jersey licensed Land Surveyor within 30 days of the installation of the monitor wells. The elevation established shall be in relation to the New Jersey Geodetic Control datum. Groundwater

CONTRACT B**10. Monitoring and Records (cont'd)**

- A. (cont'd) monitoring wells and all point source discharges to groundwater shall be located by horizontal control (latitude and longitude) using third order work, Class II specification and by vertical control (elevation) using third order work. Within 30 days of the installation date of the monitor well, the permittee shall submit to the Department completed "Groundwater Monitoring Well Certification- Forms A and B" for each well required to be sampled by the permit. Within 60 days of the Effective date of the permit, the permittee shall submit to the Department a plot plan of the facility showing the location of all discharges and the groundwater monitoring well locations. The scale of the plot plan shall be at least one inch equals fifty (50) feet. Each groundwater monitoring well casing shall have permanently affixed to it a monitor well number to be assigned by the Department, elevation of the top of the well casing above the ground level and latitude and longitude of the monitoring well.
- B. Samples and measurements taken for the purposes of monitoring shall be representative of the monitored activity.
- C. The State Act provides that any person who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained under this permit shall, upon conviction, be punished by a fine of no more than \$10,000 per violation, or by imprisonment for not more than 6 months per violation, or by both. This is specifically intended to include groundwater monitoring wells and lysimeters.
- D. The applicant shall perform all analyses in accordance with the analytical test procedures approved under 40 CFR Part 136. Where no approved test procedure is available, the applicant must indicate a suitable analytical procedure and must provide the Department with literature references or a detailed description of the procedure. The Department must approve the test procedure before it is used. The laboratory performing the analyses for compliance with this permit must be approved and/or certified by the Department for the analysis of those specific parameters.
- E. The permittee shall retain records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least 5 years from the date of the sample, measurement, report or application. This period may be extended by request of the Department at any time.
- F. Records of monitoring information shall include:
- (1) The date, exact place, and time of sampling or measurements;
 - (2) The individual(s) who performed the sampling or measurements;
 - (3) The date(s) analyses were performed;
 - (4) The individual(s) who performed the analyses;
 - (5) The analytical techniques or methods used;
 - (6) The results of such analyses;
 - (7) Monitoring results shall be reported on a Discharge Monitoring Report (DMR) and/or on the Department's Monitoring Report Form (MRF); or, where these forms do not apply, in another format approved by the Department;

CONTRACT B**10. Monitoring and Records (cont'd)**

F. (cont'd)

(8) If the permittee monitors any pollutant more frequently than required by the permit, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the DMR, MRF, or other approved format; and

(9) Calculations for all limitations which require averaging of measurements shall utilize an arithmetic mean unless otherwise specified by the Department in the permit.

G. Discharge Monitoring Reports

(1) Monitoring results shall be summarized and reported on the appropriate Monitoring Report Forms, postmarked no later than the 10th day of the month following the completed reporting period. Each report is due within 45 days from the sampling event. Signed copies of these, and all other reports required herein, shall be submitted to the following address(es):

County of Ocean
Department of Solid Waste Management
129 Hooper Avenue, P.O. Box 2191
Toms River, NJ 08753

(2) If a contract laboratory is utilized, the permittee shall submit the name and address of the laboratory and the parameters analyzed at the time it submits its monitoring reports (See Section 10.F. above). Any change in the contract laboratory being used or the parameters analyzed shall be reported prior to or together with the monitoring report covering the period during which the change was made.

H. Monitoring Reports

Monitoring results shall be reported at the intervals specified in the permit.

I. Compliance Schedules

Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements continued in any compliance schedule of this permit shall be submitted no later than 14 days following each schedule date.

11. Signatory RequirementA. Signature Requirements

All permit applications, except those submitted for Class II wells for a UIC discharge (see paragraph B) shall be signed as follows:

(1) For a corporation, by a principal executive officer of at least the level of vice president;

(2) For a partnership or sole proprietorship, by a general partner or the proprietor, respectively; or

CONTRACT B11. **Signatory Requirement (cont'd)**

- (3) For a municipality, State, Federal or other public agency, by either a principal executive officer or ranking elected official. The person signing the application must provide the certification required by N.J.A.C. 7:14A-2.4(d).

B. **Reports**

All reports required by permits, other information requested by the Department and all permit applications submitted for Class II wells under N.J.A.C. 7:14A-5.8 shall be signed by a person described in Paragraph A of this section or by a duly authorized representative only if:

- (1) The authorization is made in writing by a person described in paragraph A of this section;
- (2) The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity, such as a position of plant manager, operator of well or well field, superintendent or person of equivalent responsibility; and
- (3) The written authorization is submitted to the Department.

C. **Changes to Authorization**

If an authorization under Paragraph B of this section is no longer accurate because the overall operation of the facility, a new authorization satisfying the requirements of paragraph B of this section shall be submitted to the Department prior to or together with any reports, information, or applications to be signed by an authorized representative.

D. **Certification**

Any person signing any document under Paragraph A or B of this section shall make the following certification: "I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individual immediately responsible for obtaining the information, I believe the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment."

E. **False Statements**

Any person who knowingly makes a false statement, representation, or certification in any application, record, or other document filed or required to be maintained under the State Act shall, upon conviction, be subject to a fine of not more than \$10,000.00 or by imprisonment for not more than 6 months or by both.

CONTRACT B**12. Reporting Changes and Violations****A. Planned Changes**

The permittee shall give notice to the Department as soon as possible of any planned physical alterations or additions to the permitted facility. The permittee shall comply with N.J.A.C. 7:14A-12.1 et seq. which requires approval for building, installing, modifying, or operating treatment works. NOTE: Sewer Extensions require such an approval. A connection of a single building through which less than 2000 gpd flows by gravity is exempt from the requirement to obtain the approval of this Department. Permitting the construction of a sewer extension without this Department's approval will be a violation of the permit.

B. Anticipated Noncompliance

The permittee shall give reasonable advance notice to the Department of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.

13. Reporting Noncompliance

A. The permittee shall report any noncompliance which may endanger health or the environment. The permittee shall provide the Department with the following information:

- (1) A description of the discharge;
- (2) Steps being taken to determine the cause of noncompliance;
- (3) Steps being taken to reduce and eliminate the noncomplying discharge;
- (4) The period of noncompliance, including exact dates and times. If the noncompliance has not been corrected, the anticipated time when the discharge will return to compliance;
- (5) The cause of the noncompliance; and
- (6) Steps being taken to reduce, eliminate, and prevent reoccurrence of the noncomplying discharge.

B. The permittee shall orally provide the information in A. (1) through (3) to the DEP Hotline (609) 292-7172 within 2 hours from the time the permittee becomes aware of the circumstances.

C. The permittee shall orally provide the information A. (4) through A. (5) to the DEP Hotline within 2 hours of the time the permittee becomes aware of the circumstances.

D. A written submission shall also be provided within 5 days of the time the permittee becomes aware of the circumstances. The written submission shall contain the information in A.(1) through A.(6).

CONTRACT B**14. Additional Reporting Requirements**

The following shall be reported to the Department in accordance with N.J.A.C. 7:14A-2.5(1)6:

- A. In the case of any discharge subject to any applicable toxic pollutant effluent standard under Section 307(a) of the Federal Act or under Section 6 of the State Act the information required by paragraph 9(d)(i)(1) through (3) regarding a violation of such standard shall be provided to the Department within 2 hours from the time the permittee becomes aware of the circumstances. The information required by paragraph 9(d)(i)(4) through (6) shall be provided to the Department within 24 hours from the time the permittee becomes aware of the circumstances. Where the information is provided orally, a written submission covering these points must be provided within five working days of the time the permittee becomes aware of the circumstances covered by this paragraph.
- B. In the case of other discharges which could constitute a threat to human health, welfare, or the environment, including but not limited to, discharge of pollutants designated under Section 311 of the Federal Act, under Section 6 of the State Act, under the "Spill Compensation and Control Act", N.J.S.A. 58:11-23.10 et seq., or under the "Safe Drinking Water Act", N.J.S.A. 58:12A-1 et seq., the information required by paragraph 9(d)(i)(4) through (6) shall be provided to the Department within 24 hours from the time the permittee becomes aware of the circumstances. Where the information is provided orally, a written submission covering these points must be provided within five working days of the time the permittee becomes aware of the circumstances covered by this paragraph.
- C. The information required in section 13 shall be provided to the Department within 2 hours where a discharge described under paragraphs 27.A or 27.B is located upstream of a potable water intake or well field. The information required by (d)(i)(1) through (6) shall be provided to the Department within 24 hours. If this information is provided orally, a written submission covering these points must be provided within five days of the time the permittee becomes aware of the discharge.
- D. Any bypass which violates any effluent limitations in the permit shall be reported within 24 hours unless paragraphs 25.B (1) through 25.B (3) are applicable.
- E. Any upset which violates any effluent limitation in the permit shall be reported within 24 hours unless paragraphs 25.B (1) through 25.B (3) are applicable.
- F. Violation of a maximum daily discharge limitation for any of the pollutants listed by the Department in the permit shall be reported with 24 hours unless paragraphs 25.B (1) through 25.B (3) are applicable (See N.J.A.C. 7:14A-3.13(g)).

15. Other Noncompliance

The permittee shall report all instances of noncompliance not reported under paragraph D. Of section 13, at the time monitoring reports are submitted. The reports shall contain the information required in the written submission listed in paragraph D. of section 13.

CONTRACT B**16. Residual Management**

- A. Collected grit and screening, scums, sand bed sands, slurries, and sludges, and all other solids from the treatment process shall be disposed of in such a manner as to prevent such materials from entering the ground and/or surface waters of the state except in accordance with a NJDPES permit. If for any reason such materials are placed in the water or on the lands where they may cause pollutants to enter the ground and/or surface waters of the State, the following information shall be reported to the Water Resources Enforcement Element together with the monitoring data require in Part I, B-1:
1. Dates of Occurrence;
 2. A description of the noncomplying discharge (nature and volume);
 3. Cause of noncompliance;
 4. Steps taken to reduce and eliminate the noncomplying discharge;
 5. Steps taken to prevent recurrence of the condition of noncompliance.
- B. The Permittee shall not be permitted to store sludge on-site beyond the capacity of the structural treatment and storage components for the treatment facility. Nor shall the permittee be permitted to store sludge on-site in any manner which is not in accordance with Solid Waste Management Rules, N.J.A.C 7:26-1 *et seq.* Any violations must be reported by the Permittee to the Division of Water Resources Enforcement Element within twenty four (24) hours.
- C. The permittee shall comply with the Sludge Quality Assurance Regulations (N.J..A.C. 7:14-4.1 *et seq.* where quality information is required by these regulations analyses must reflect the quality of the final sludge product of which the permittee must dispose.
- D. The permittee shall dispose of sludge from this facility in compliance with the New Jersey Solid Waste Management Act, N.J.S.A. 13:1E-1 *et seq.*, which, requires compliance with Statewide and district Sludge Management Plans and prohibits the disposal of bulk liquids (including but not limited to sludge) in landfills unless the landfill is lined and approved leachate interception, collection, and treatment system has been installed.
- (1) Section 405 of the Federal Act governing the disposal of sewage sludge from publicly owned treatment works and with Section 4 and 6 of the State Act.
 - (2) To the extent practicable, the “Guidelines for the Utilization and disposal of Municipal and Industrial Sludge and Septage”; and
 - (3) The provisions concerning the disposal of sludge in sanitary landfills which will developed in the Statewide Sludge management Plan promulgated pursuant to the “State Solid Waste Management Act,” N.J.S.A 13:1E-1 *et seq.*

17. Discharge Permitted

The permittee shall discharge to surface water, land, or groundwaters of the state only as authorized herein and consistent with the terms and conditions of this permit.

CONTRACT B**18. Operation Restrictions**

The operation of a waste treatment or disposal facility shall at no time create (1) a direct discharge to surface waters of the State, except as authorized by NJDEP; (2) a persistent standing or ponded condition for water or waste on the permittee's property except as specifically authorized by this permit, or (3) any standing or ponded condition for water or waste on adjacent properties unless these activities are specifically included within the permit.

19. Facilities Operation and Operator Certification

The operation of the treatment works shall be under the supervision of an operator on the first day of operation of the sewage treatment plant and continually thereafter in accordance with N.J.A.C. 7:14A-2.5 (e). The operator shall meet the requirements of the Department of Environmental Protection of the State of New Jersey for N/A (classification) or equivalent, pursuant to the provisions of N.J.S.A. 58:11-18.22 and amendments thereto. Name of the proposed operator shall be submitted to this Department in order that qualifications may be determined prior to initiating operation of the proposed treatment works.

20. Permit Modification, Suspension, or Revocation

A. A permit may be modified, suspended or revoked by the Department, in the event of a violation of the terms or conditions of the permit, or State Laws and Regulations and in accordance with the procedures set forth in NJPDES Regulations Subchapter 12.12 (b) (1) (2) (3) (4).

A permit may be modified by the Department in accordance with and for the reasons set forth in Subchapter 2.12 (a) of NJPDES Regulations.

If a toxic effluent standard or prohibition is established pursuant to New Jersey Water Pollution Control Act N.J.S.A. 58:10A-1 *et seq.* or the regulations adopted pursuant to it, for a toxic pollutant which is present in the discharge, and such is more stringent than any limitation for such pollutant in this permit, this permit shall be revised or modified in accordance with the toxic effluent standard or prohibition and the permittee so notified of the revision or modification and date of required compliance.

21. Civil and Criminal Liability

Nothing in this permit shall be deemed to preclude the institution of any legal action nor relieve the permittee from any responsibilities or penalties to which the permittee is or may be subject to under any Federal, Local or other State law or regulation.

22. Severability

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

23. Permit Expiration

This permit and the authorization to discharge shall expire at midnight on the expiration date of the permit. The permittee shall not discharge after the above date of expiration of the permit. In order to receive authorization to discharge after the above date of expiration, the permittee shall submit such information, forms, and fees as are required by the Department no later than 180 days prior to the above date of expiration.

CONTRACT B**24. Transfer of Permit****A. Transfer of Ownership**

This permit is valid only for use by the permittee and may not be transferred to another unless written permission for such transfer is obtained from the Department. In the event of any change in control or ownership of facilities from which the authorized discharge emanates, the permittee shall notify, in writing, the succeeding owner or controller of the facility of the existence of this permit and any outstanding violations of this permit. A copy of this notification shall be forwarded to the Department within 30 days prior to said change in control of ownership.

25. Bypass

A. Bypass not exceeding limitations. The permittee may allow any bypass to occur which does not cause effluent limitations to be exceeded, but only if it is also for essential maintenance to assure efficient operation. These bypasses are not subject to the provisions of paragraphs a. and b. of this section.

B. Notice

(1) Anticipated Bypass. If the permittee knows in advance of the need for a bypass, he shall submit prior notice, if possible, at least thirty (30) days before the date of the bypass.

(2) Unanticipated Bypass. The permittee shall submit notice of an unanticipated bypass as required in paragraph of Section 13.

C. Prohibition of bypass

(1) Bypass is prohibited, and the Department may take enforcement action against a permittee for bypass unless:

a. Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage;

b. There are no feasible alternatives to the bypass such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if the permittee could have installed adequate backup equipment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance; and

c. The permittee submitted notices as required under paragraph 13.I of this section.

(2) The Department may approve an anticipated bypass, after considering its adverse effects, if the Department determines that it will meet the three conditions listed above in paragraph 24.c. (1) of this section.

CONTRACT B**26. Upset**

- A. Effect of An Upset. An upset may constitute an affirmative defense to an action brought for noncompliance with such technology-based permit effluent limitations if the requirements of paragraph 25.B of this section are met. Where no determination was made during administrative review of claims that noncompliance was caused by upset, and there has been no Departmental action for noncompliance, the lack of such determination is final administrative action subject to judicial review.
- B. Conditions Necessary for a Demonstration of Upset. A permittee who wished to establish the affirmative defense of upset shall demonstrate, through properly signed, contemporaneous operating logs, or other relevant evidence that:
- (1) An upset occurred and that the permittee can identify the specific cause(s) of the upset;
 - (2) The permitted facility was at the time being properly operated;
 - (3) The permittee submitted notice of the upset as required in paragraph I. of section 13; and
 - (4) The permittee complied with any remedial measures required under N.J.A.C. 7:14A-2.5(d)
- C. Burden of Proof. In any enforcement proceeding the permittee seeking to establish the occurrence of an upset has the burden of proof.

27. Emergency Plan

- A. The permittee shall submit an emergency plan report prepared pursuant to paragraph 26.B or file for an exemption as provided in paragraph 26.E by six months of the effective date of the permit.
- (1) When a person has prepared an emergency plan required by other regulations, such plan or plan and any amendments necessary to meet the requirements of this section may be submitted and deemed to satisfy the requirements of this section provided:
 - a. The plan meets the requirements of his section; and
 - b. The plan indicates where it satisfies each requirement of this section.
 - (2) The Department shall review the emergency plan at the time of the DSW or DGW renewal to determine the adequacy of such plan based upon:
 - a. Modification of the facility; and
 - b. Any other conditions related to the plan which have changed.
 - (3) The permittee shall submit emergency plans according to the following schedule:
 - a. All domestic treatment works with an average daily flow which is less than 0.1 MGD shall file a complete emergency plan by March 6, 1983; and
 - b. All domestic treatment works with an average daily flow which is equal to, or greater than 0.1 MGD shall file a complete emergency plan by March 6, 1984.
 - (4) Within three (3) months of notice of deficiency the permittee shall correct any deficiencies in the Emergency Plan and resubmit the Plan for incorporation in the DSW or DGW permit.

CONTRACT B**27. Emergency Plan (cont'd)**

- B. The Emergency Plan report shall be designed to insure effective operation of the facility under emergency conditions, and shall consist, as a minimum, of the following comments.
- (1) A vulnerability analysis which shall estimate the degree to which the facility would be adversely affected by each type of emergency situation which could reasonably be expected to occur, including but not limited to those emergencies caused by natural disaster, civil disorder, strike, sabotage, faulty maintenance, negligent operation or accident.
 - (2) The analysis shall include, but is not limited to, an estimate of the effects of the emergency upon the following:
 - a. Power supply;
 - b. Communication;
 - c. Equipment;
 - d. Supplies;
 - e. Personnel;
 - f. Security; and
 - g. Emergency Procedures.
 - (3) An evaluation of the possible adverse effects on public health and the environment due to this emergency.
 - (4) An emergency operating plan and a manual of procedures for the implementation of such plan, including procedures for the notification of any relevant regulatory agency, affected water supply purveyors, and any other municipal authority or agency. The plan and manual shall address each of the emergency situations described in the vulnerability analysis.
- C. Any domestic treatment works which meets the following criteria is eligible for an exemption from the requirements of this section:
- (1) A DTW which has an average daily flow of MGD or less and which receives and treats domestic wastes only; or
 - (2) A DTW which has an average daily flow which exceeds MGD but which is less than MGD and which satisfies all of the following conditions:
 - a. Does not receive or treat industrial pollutants from an indirect discharge which belongs to one or more of the industrial categories listed in Appendix E of the "Regulations Concerning the New Jersey Pollutant Discharge Elimination System";
 - b. Does not discharge any effluent upstream from a potable water intake;
 - c. Does not discharge any effluent into a shellfish area; and
 - d. Does not discharge any effluent which may affect shellfish areas.

CONTRACT B**27. Emergency Plan (cont'd)**

D. Any industrial treatment works which meets the criteria of N.J.A.C. 7:14A-3.12(d) is eligible for an exemption from the requirements of this section.

E. Filing for an Exemption

(1) Any permittee whose treatment works is eligible for an exemption pursuant to paragraph 26.c or 26.D shall file for an exemption according to the schedule in paragraph 26.A.

(2) The permittee shall submit an affidavit affirming that the discharge(s) from that facility satisfies all of the applicable criteria in paragraph 26.C or 30.D.

(3) The signatory of the affidavit shall satisfy the requirements of N.J.A.C. 14A-2.4.

(4) If the quality and/or quantity of the discharge(s) from the facility changes in such a manner that the facility no longer qualifies for an exemption, the permittee shall notify the Department of the changes, in writing, within thirty days of such change.

(5) The permittee shall submit an emergency plan report as described in paragraph 26.B to the Department within six months of the initial notification required in paragraph 26.E (4).

F. Implementation of the Emergency Plan

(1) After receipt and review of the emergency plan, the Department shall notify the permittee in writing whether the emergency plan is acceptable and complete. Plans should, to the extent practicable, conform to the EPA document entitled, "Emergency Planning for Municipal Wastewater Treatment Facilities", (EPA-403/9-74-013).

(2) Existing facilities shall comply with the following schedule for implementation of the emergency plan:

a. Within sixty (60) days of acceptance of the plan by the Department;

(i) The permittee shall complete implementation of the procedural portions of the plan;

(ii) The Department shall incorporate the procedural elements of the plan into the DSW or DGW permit for that facility.

b. As soon as possible, but within 36 months of acceptance of the plan by the Department at the latest:

(i) The permittee shall complete the implementation of the structural portion of the plan (such as acquisition of spare parts, pumps, etc.); and

(ii) The Department shall incorporate the structural elements and the emergency manual into the DSW or DGW permit for that facility.

CONTRACT B**27. Emergency Plan (cont'd)**G. Liability

- (1) Submission of an Emergency Plan pursuant to this section shall not exempt a permittee from liability for violations arising from an emergency situation. A permittee shall take all necessary action to mitigate the damage to the waters of the State arising from an emergency situation. Such actions shall not be limited by the emergency operating plan and the manual of procedures.
- (2) Exemption for development of an Emergency Plan under this section does not exempt the permittee from liability for violations arising from an emergency situation. Such permittee shall take all necessary actions to mitigate the damage to the waters of the State arising from an emergency situation.

H. Violations

- (1) Failure to submit an emergency plan in compliance with paragraph A. of this section and failure to implement the emergency plan pursuant to paragraph F. of this section shall each constitute a violation of this permit.

28. Oil and Hazardous Substance Liability

The imposition of responsibilities upon, or the institution of any legal action against the permittee under Section 311 of the Federal Act shall be in conformance with regulations promulgated pursuant to Section 311 of the Federal Act governing the applicability of Section 311 to discharges from facilities with NPDES permits.

29. Reopener Clause for Toxic Effluent Limitations

Notwithstanding any other condition of this permit, if any applicable toxic effluent standards, limitation or prohibition (including any schedule of compliance specified in such effluent standard or prohibition) is promulgated under Sections 301(b)(2)(c) and (d), 304(b)(2), and 307(a)(2) of the Federal Clean Water Act or Sections 4 or 6 of the State Act for a toxic pollutant and that effluent standard limitation or prohibition is more stringent than any limitation of the pollutant in the permit (or controls a pollutant not limited in the permit), this permit shall be promptly modified or revoked and reissued to conform to that effluent standard, limitation or prohibition.

30. Availability of Information

- A. NJPDES permits, effluent data, and information required by NJPDES applications forms provided by the Regional Administrator or Director (including information submitted on the forms themselves and any attachments used to supply information required by the forms) shall be available for public inspection at the offices of the Director.

CONTRACT B**30. Availability of Information (cont'd)**

- B. In addition to the information set forth in Subsection A., any other information submitted to EPA and/or the Department in accordance with the conditions of this permit shall be made available to the public without further notice unless a claim of business confidentiality is asserted at the time of submission in accordance with the procedures in 40 CFR Part 2 (public Information) and/or Subchapter 11 of the “Regulations Concerning the New Jersey Pollutant Discharge Elimination System.”
- C. If a claim of confidentiality is made for information other than that enumerated in section 34.B., the information shall be treated by the Department in accordance with the procedures in N.J.A.C. 7:14A-11.1 et seq. Only information determined to be confidential under those procedures shall not be made available by NJDEP for public inspection.

31. Effective Date of A Permit

- A. This permit shall become effective in its entirety on the date indicated (Effective Date) on the first page of this permit unless a request for an adjudicatory hearing is granted pursuant to the provisions of N.J.A.C. 7:14A-8.11 et seq.
- B. For purposes of judicial review, final agency action on a permit does not occur unless and until a party has exhausted its administrative remedies under N.J.A.C. 7:14A-8.9 et seq. Any party which neglects or fails to seek such review thereby waives its opportunity to exhaust available agency remedies.

32. Definitions

- A. Unless otherwise stated, all terms shall be as defined in the “Regulations Concerning the New Jersey Pollutant Discharge Elimination System”, N.J.A.C. 7:14A-1 et seq.
 - (1) “Aliquot” means a sample of specified volume used to make up a total composite sample.
 - (2) “Composite” means a combination of individual (or continuously taken) sample (aliquots) of at least 100 milliliters, collected at periodic intervals over the entire discharge day. For volatile pollutants, aliquots must be combined in the laboratory immediately before analysis. The composite must flow proportional; either the time interval between each aliquot or the volume of each aliquot must be proportional to either the stream flow at the time of sampling or the total steam flow since the collection of the previous aliquot. Aliquots may be collected manually or automatically. For a continuous discharge, a minimum of twenty-four (24) aliquots (at hourly intervals) shall be collected and combined to constitute a twenty-four (24) hour composite sample. For intermittent discharges of more than 4 hours duration, aliquots shall be taken at a minimum of 30-minute intervals. For intermittent discharges of less than 4 hours duration, aliquots shall be taken at a minimum of 15-minute intervals.
 - (3) “EDP” means Effective Date of Permit.
 - (4) “Grab” means an individual sample of at least 100 milliliters collected over a period not exceeding 15 minutes.

CONTRACT B**32. Definitions (cont'd)**

- (5) "Monthly" means one day each month (the same day each month) and a normal operating day (e.g., the 2nd Tuesday of each month).
- (6) "Upset" means an exceptional incident in which there is unintentional and temporary noncompliance with technology-based permit effluent limitations because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.
- (7) "Weekly" means every seventh day (the same day each week) and a normal operating day.

33. Stay of Conditions, N.J.A.C. 7:14-8.10

A request for an adjudicatory hearing shall not automatically result in a stay of the conditions of this permit.

ADDITIONAL GENERAL CONDITIONS FOR LANDFILLS**GROUNDWATER MONITORING**

1. The permittees shall effectively monitor the landfill by operating 17 groundwater monitoring wells to detect any possible groundwater pollution from leachate or other on-site discharges. The required groundwater monitoring wells shall consist of 13 satisfactory existing groundwater monitoring wells and 4 new groundwater monitoring wells as specified in this permit. Satisfactory groundwater monitoring wells are defined in N.J.A.C. 7:14A-1 et seq., section 6.13 and shall be subject to Department approval. If groundwater monitoring wells do not meet these standards, they must be replaced with new wells meeting Department standards.
2. The location and number of all groundwater monitoring wells as required by this Department, including existing or proposed wells, is shown on Attachment 1. Ground water monitoring wells shall be located within a fifty (50) foot radius of each proposed location, but in every case cannot be located through landfilled material without prior Departmental approval.
3. The following information must be submitted to this Department within 150 days from the effective date of this permit.
 - a. A plot plan of the facility having a horizontal scale of at least one inch equal to two hundred feet. This plan must be signed and sealed by a New Jersey licensed land surveyor and show the following information:
 - i) Legal site boundaries surveyed by a New Jersey licensed land surveyor within the last 12 months.
 - ii) All filled and permitted areas that were designated in the Approved Engineering Design by the Division of Waste Management (formerly the Solid Waste Administration) of the N.J.D.E.P.

CONTRACT B**GROUNDWATER MONITORING (cont'd)**

- iii) The location of all existing and proposed groundwater monitoring wells. Ground water monitoring wells shall be located by horizontal control (latitude/longitude) to the one-hundredth of a second and by vertical control (elevation) to the one-hundredth of a foot based on New Jersey Control Survey datum, based on the top of casing. Each groundwater monitoring well must be identified on the plot plan by the "Well Permit Number" issued by the Water Allocation Office of the Division of Water Resources, N.J.D.E.P.
 - iv) The location of all methane gas vents.
- b. An 8 ½" by 11" portion of the most recent United States Geological Survey 7.5 minute series topographic quadrangle showing the landfill location.
 - c. Groundwater Monitoring Well Certification Forms A and B for each existing and proposed groundwater monitoring well. Information for each well must be shown on a separate well completion form. The form entitle, "Groundwater Monitoring Well Certification", Form A – As Built Construction Certification, must be sealed by a licensed New Jersey Professional Engineer. Form B, "Location Certification" must be sealed by a license New Jersey Land Surveyor. For an existing well, if information required on the well completion form cannot be determined, is unknown or is not adequately constructed to meet the requirements of this permit, the Department in judging the adequacy of a well will be related to the ability of the well to provide a representative groundwater sample at any time of the year as specified within this permit. Any replacement well must be installed within a twenty-five foot radius of the existing well. Inadequate or damaged existing wells must be properly sealed as per N.J.A.C. 58:4A-4.1. Instructions regarding sealing may be obtained by contacting the Water Allocation Office of the Division of Water Resources at (609) 984-6831.
- 4. All groundwater monitoring wells must be installed by a licensed New Jersey Well Driller, pursuant to N.J.S.A. 58:4A-6. A Valid New Jersey permit, pursuant to N.J.S.A. 58:4A-14, to drill a well must be obtained from the Water Allocation Office at (609) 984-6831 prior to installation of groundwater monitoring wells. Ground water monitoring wells must be installed within thirty days after effective date of this permit.
 - 5. All proposed wells must be constructed according to the attached Department specifications. For sites where inadequate geological information is available to properly design the well specifications, a Department geologist will finalize the well specifications on-site at the time of drilling.
 - 6. The Bureau of Groundwater Discharge Permits must be notified by the Permittee two weeks prior to the installation of new groundwater monitoring wells. Failure to notify the Department may result in disapproval of the wells as constructed.
 - 7. A groundwater monitoring well as required by this permit is a monitoring device under N.J.S.A. 58:10A-10 and as such the permittee is required to maintain this well in proper working order at all times. The permittee is further required to take any reasonable steps necessary to limit public access by constructing fences, barricades, or any other structures necessary to restrict access in the immediate vicinity of the groundwater monitoring well. Said structures shall be maintained to restrict access.

CONTRACT B**GROUNDWATER MONITORING (cont'd)**

8. Each groundwater monitoring well shall have the Department assigned well number permanently attached to that portion of the casing above the ground surface.
9. The owner or operator must inspect each groundwater monitoring well on a weekly basis for structural integrity and/or damage. The permittee shall maintain a complete inspection record indicating dates of inspection, inspector's name, and condition observed. These records shall be available to the Department any time upon request.

Failure to maintain, or submit records upon request, shall be a violation of N.J.S.A. 58:10A-10.

10. If the monitoring wells are damaged, the Administrator, Water Quality Management Element, shall be notified within five (5) days in writing at the above address indicating:
 - a. Which wells were damaged;
 - b. The cause and extent of damage;
 - c. If the sampling schedule as required in this permit will be violated;
 - d. The date that the well will again be operational. Damaged wells must be replaced or repaired within thirty (30) days after the damage has occurred. The well must be sampled within five (5) days, after they have been developed. A replacement well must meet the construction requirements established for the damaged well. A valid New Jersey well permit is required prior to the installation of the replacement well.
 - e. The next date that the well will be sampled.

Failure to follow these procedures is a violation of this permit and subject to the provisions of N.J.S.A. 58:10A-10.

11. Groundwater monitoring wells shall be sampled by procedures as delineated in N.J.A.C. 7:14A-6.12 (attached hereto and hereby made part of). A chain of custody record for each sample must be maintained, and may be examined by the Department at any time.
12. All samples shall be collected and analyzed by a New Jersey Certified Laboratory. Sampling results shall be reported on forms provided by the Division of Water Resources. Information not reported on the above specified forms shall not be deemed to fulfill the reporting requirements of this permit. Additional forms may be obtained by writing to the Administrator, Water Quality Management Element. It shall be the permittee's responsibility to maintain an adequate supply of forms to report groundwater monitoring data to the State.
13. The permittee shall retain the services of a New Jersey certified laboratory to collect and analyze samples from the groundwater monitoring wells for the parameters specified in Table 1 and at the time intervals therein specified.

CONTRACT B

(EXCERPT FROM N.J.A.C. 7:14a-6.12)

6.13 Groundwater Sampling Procedures

To ensure a representative sample from a monitoring well or a potable well, flushing or pumping is almost always required. In general, the groundwater standing in the well casing at the time of sample collection will be similar in quality to that in the surrounding aquifer or local groundwater, but it may not be representative. Accordingly, the well should be pumped (or bailed) prior to collecting a sample whenever possible.

For pump samples, a volume of water equal to three times that standing in the casing should be pumped from the well before taking the sample. Overpumping, which can result in dilution of the samples should be avoided. Depending on the geology, well design and other factors, some monitor wells will have a low yield. In such cases, the standing water should be evacuated and a sample collected upon recovery. Wells with relatively high yield can be sampled immediately after evacuation or bailing.

A pumping well will yield samples which incorporate water drawn from a volume adjacent to the well bore at the depth of the sampling tube orifice if the well is screened at that depth. Otherwise, the sample will represent water entering the well bore at the bottom of the casing or at the nearest screened interval. Therefore, these sampling configurations can preclude water quality information with depth and, since the pumped samples are obtained from a volume adjacent to the well bore, dilution or concentration of the samples can occur as the well continues to be pumped. In these instances, grab samples are preferred over pumped samples.

If a monitoring well is sampled using a bailer, the standing water in the well should be bailed repeatedly until at least one (and preferably three) times the water volume standing in the well casing have been exchanged prior to sample collection.

Depth-to-water should be measured prior to sampling using a calibrated steel tape.

If surface pumps or hoses are used, the end of the hose must be at a sufficient depth that suction will not be broken as the level of water in the monitoring well is drawn down. However, the hose must be kept above the bottom so that sediments or solids will not be entrained and sample turbidity increased. Poorly-developed monitoring wells may also promote increased turbidity. Bedrock wells are less likely to present problems of induced turbidity upon sampling than are wells screened in unconsolidated materials.

For those water quality parameters not subject to chemical change within a well casing in contact with the atmosphere, a pump sample may not be necessary (e.g. nitrate [NO₃]). However, in the case of volatile organics (e.g. benzene, trichlorethylene, toluene), concentrations can decrease for water standing in the well. Therefore, samples for volatile organics should be collected from depths several feet below the water level. If grab samples are taken for volatile organic analyses, methyl alcohol and distilled water should be used to thoroughly clean the sampler prior to reuse. The sampler should be washed first with the alcohol, then rinsed with distilled water; the alcohol must be allowed to volatilize before resuming sampling.

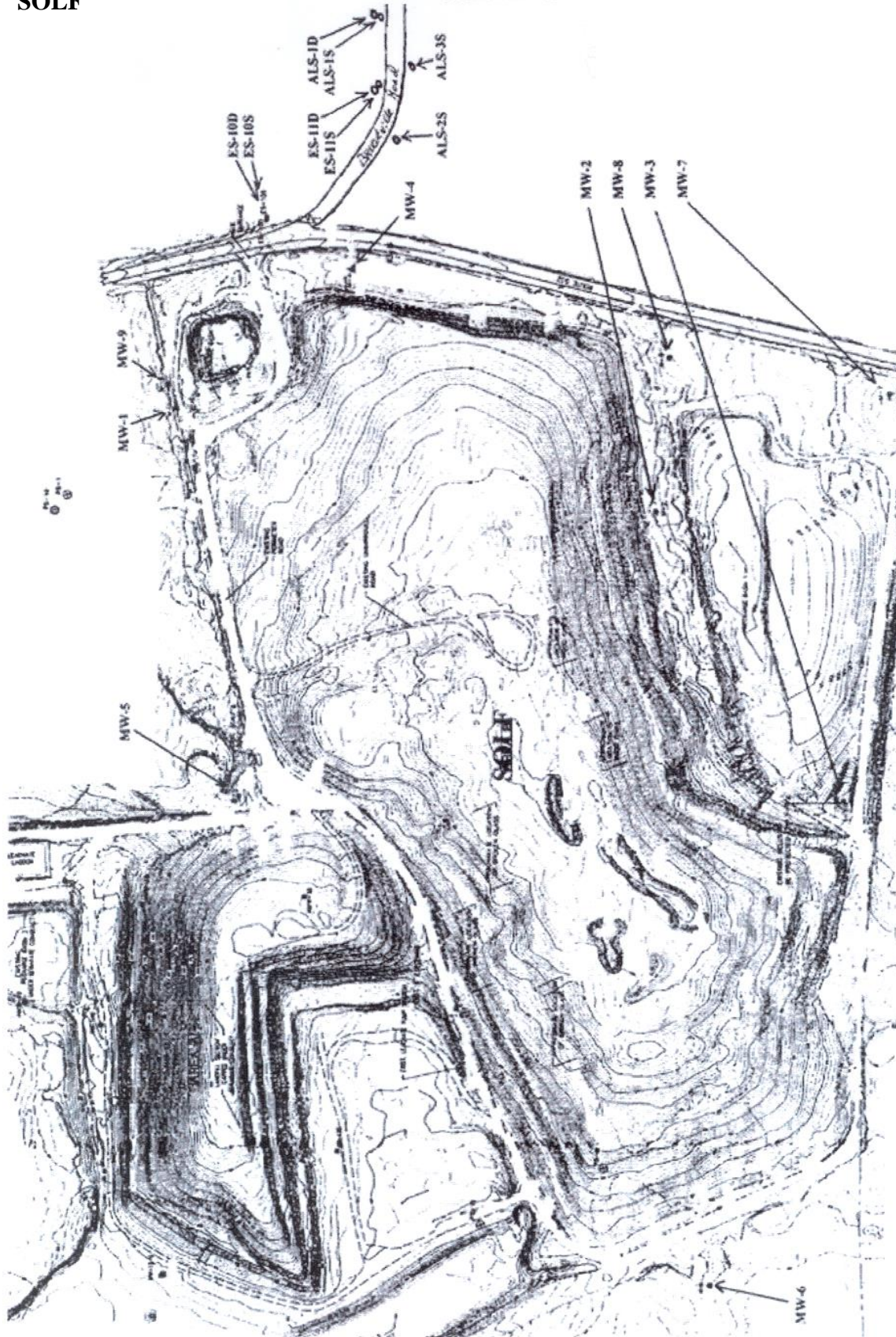
CONTRACT B

When sampling is done from a pump discharge, the flow rate should be reduced to a trickle to minimize agitation of the water and resulting loss of volatile compounds. When sampling for low levels of volatiles, care must be taken as to the source of water used in priming a centrifugal pump.

If several wells are to be sampled for volatiles, the least contaminated wells should be sampled first and the remaining wells sampled in order of increasing contamination. If the relative levels of contamination are unknown, clean water should be used to purge the pump following each well sampled in order to minimize cross-contamination of samples.

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PARAMETER	UNITS	PERMIT LIMIT	SAMPLING MONTH	SAMPLE TYPE	REPORTING MONTH
Ammonia-Nitrogen	PPM	0.5	May / Nov.	Grab	June/July ; Dec./Jan.
Arsenic	PPM	0.05	Nov.	Grab	Dec./Jan.
Barium	PPM	1.0	Nov.	Grab	Dec./Jan.
Biochemical Oxygen Demand (BOD)	PPM		May / Nov.	Grab	June/July ; Dec./Jan.
Cadmium	PPM	0.01	Nov.	Grab	Dec./Jan.
Chemical Oxygen Demand (COD)	PPM		May / Nov.	Grab	June/July ; Dec./Jan.
Chloride	PPM		May / Nov.	Grab	June/July ; Dec./Jan.
Chromium (Hexavalent)	PPM	0.05	Nov.	Grab	Dec./Jan.
Coliform Bacteria	PPM	-(1)	May / Nov.	Grab	June/July ; Dec./Jan.
Color	Unnoticeable		May / Nov.	Grab	June/July ; Dec./Jan.
Copper	PPM	1.0	May / Nov.	Grab	June/July ; Dec./Jan.
Cyanide	PPM	0.2	Nov.	Grab	Dec./Jan.
Fluoride	PPM	2.0	Nov.	Grab	Dec./Jan.
Foaming Agents (MBAS)	PPM	0.5	May / Nov.	Grab	June/July ; Dec./Jan.
Hardness	PPM		Nov.	Grab	Dec./Jan.
Iron	PPM	0.3	May / Nov.	Grab	June/July ; Dec./Jan.
Lead	PPM	0.05	May / Nov.	Grab	June/July ; Dec./Jan.
Manganese	PPM	0.05	Nov.	Grab	Dec./Jan.
Mercury	PPM	0.002	Nov.	Grab	Dec./Jan.
Nitrate Nitrogen	PPM	10	May / Nov.	Grab	June/July ; Dec./Jan.
Odor & Taste	Unnoticeable		May / Nov.	Grab	June/July ; Dec./Jan.
pH	pH	5-9	May / Nov.	Grab	June/July ; Dec./Jan.
Phenols	PPM	0.3	May / Nov.	Grab	June/July ; Dec./Jan.
Polychlorinated Biphenyls (PCBs)					
Aroclor-1016 (PCB-1016)	PPB	1.0	Nov.	Grab	Dec./Jan.
Aroclor-1221 (PCB-1221)	PPB	1.0	Nov.	Grab	Dec./Jan.
Aroclor-1232 (PCB-1232)	PPB	1.0	Nov.	Grab	Dec./Jan.
Aroclor-1242 (PCB-1242)	PPB	1.0	Nov.	Grab	Dec./Jan.
Aroclor-1248 (PCB-1248)	PPB	1.0	Nov.	Grab	Dec./Jan.
Aroclor-1254 (PCB-1254)	PPB	1.0	Nov.	Grab	Dec./Jan.
Aroclor-1260 (PCB-1260)	PPB	1.0	Nov.	Grab	Dec./Jan.
Selenium	PPM	0.01	Nov.	Grab	Dec./Jan.
Silver	PPM	0.05	Nov.	Grab	Dec./Jan.
Sodium	PPM	50	May / Nov.	Grab	June/July ; Dec./Jan.
Specific Conductance	(umho/cm)		May / Nov.	Grab	June/July ; Dec./Jan.
Sulfate	PPM	250	May / Nov.	Grab	June/July ; Dec./Jan.
Total Dissolved Solids (TDS)	PPM	500	May / Nov.	Grab	June/July ; Dec./Jan.
Total Organic Carbon (TOC)	PPM		May / Nov.	Grab	June/July ; Dec./Jan.

PARAMETER	UNITS	PERMIT LIMIT	SAMPLING MONTH	SAMPLE TYPE	REPORTING MONTH
Total Volatile Organics by CC/MS Scan	PPB	50	Nov.	Grab	Dec./Jan.
Acrolein					
Acrylonitrile					
1,1-Dichloroethane					
1,2-Dichlorobenzene					
1,2-Dichloropropane					
1,3-Dichlorobenzene					
1,4-Dichlorobenzene					
Benzene					
Chlorobenzene					
Chloroform					
Dichlorodifluoromethane					
Dichloromethane					
Toluene					
Turbidity	PPM		Nov.	Grab	Dec./Jan.
Zinc & Compounds	PPM	5	May / Nov.	Grab	June/July ; Dec./Jan.

Notes: By membrane filtration, not to exceed four per 100 mL in more than one sample when less than 20 are examined per month, or by fermentation tube, with a standard 10 mL portion, not to be present in three or more portions in more than one sample when less than 20 are examined per month, or prevailing criteria adopted pursuant to the Federal Safe Drinking Water Act (PL 93-523).

GC/HS scan for volatile organics with a method limit of detection of 10 ppb or better for each substance. The concentration limit for specific volatile organic chemicals shall be that specified in Appendix F of the NJPDES regulations for the 10-5 Cancer Risk, but in no case shall the total for all volatile organic chemicals exceed 50 ppb.

CONTRACT B**INSTRUCTIONS & REQUIREMENTS
FOR THE SUBMISSION
OF GROUNDWATER MONITORING DATA**

Groundwater Monitoring Data shall be submitted using the forms described below. These forms consist of a transmittal form, which is required for each groundwater monitoring location and the appropriate (quarterly and/or annual) well report form, which identify the parameters required to be monitored. See attached for an example of each reporting form.

I. SUBMITTAL FORM

One copy of the Monitoring Report Submittal Form must be completed for each monitoring location (17 groundwater wells) and for each semi-annual period. The semi-annual periods are from, April 1 through June 30, and October 1 through December 31, each year. The Monitoring Period, Monitoring Location, Discharge or No Discharge. Comments if applicable and certifying information must be entered on each submittal form.

II. GROUNDWATER MONITORING REPORT

One copy of the Groundwater Monitoring Well Report (**Semiannual**) must be completed for each monitoring location (17 groundwater wells) and for each semiannual monitoring period. During the **second test** of each year, one copy of the Groundwater Monitoring Well Report (**Annual**) must be completed for each monitoring location. Semi-annual reports must be provided to the Ocean County Department of Solid Waste Management by the last day of each semi-annual period.

If sampling cannot be collected for a monitoring location because the monitoring well is dry, the quarterly report must be submitted, annotating the top of the report as “**DRY**” and entering applicable comments onto the submittal form.

The Monitoring Period, Monitoring Location, Sample Date of report, Laboratory Certification Number and name of the Laboratory providing the report information must be entered on each report submitted. All parameters shown on the report forms must be sampled, analyzed and reported providing the Reported Value, Sample Type and Remark Code if appropriate. Enter the values for the test parameters in the column “**Reported Value**”, using the units given in the “**Units**” column. If conversions are to be made (ppm to ppb or vice versa), they must be made prior to entering the value on the form. Enter the appropriate remark code for any parameter, where applicable, in the “**Remark Code**” column. The remark codes and descriptions are as follows:

- A Value reported is the mean of two or more determinations.
- B Results based upon colony counts outside the acceptable range.
- C Value is calculated.
- D Indicates field measurement.
- G Value reported is the maximum of two or more determinations.
- J Estimated value, value not accurate. Use if sample exceeded holding time.
- K Actual value is known to be less than value given. Use if analysis is not detectable, with the limit of detectability as the value reported.
- L Actual value is known to be greater than the value given.
- O Sampled, but analysis lost or not performed.

II. GROUNDWATER MONITORING REPORT (cont'd)

- S Laboratory test.
- T Value reported is less than criteria of detection.
- U Indicates material was analyzed but not detected. In case of fecal coliform, the result is negative growth.

III. MONITORING WELL LOCATIONS

The attached site layout provides specific location for each of the seventeen (17) groundwater monitoring wells.

IV. REPORT FORM AVAILABILITY

All forms required for submission are available on a flash drive using Microsoft Office programs.

CONTRACT B

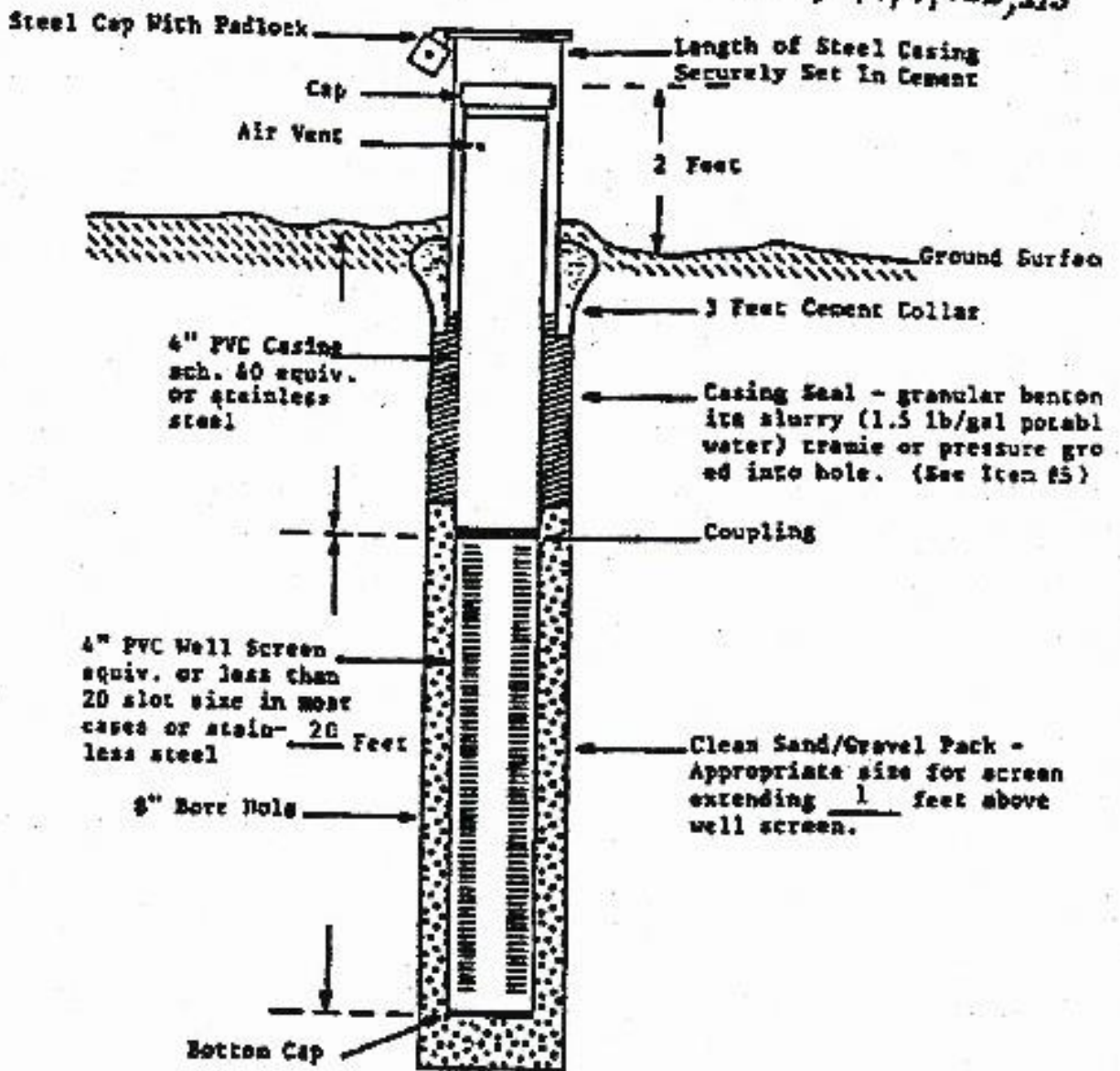
**New Jersey Department of Environmental Protection
Unconsolidated Monitor Well Specifications***

Site Name: SOUTHERN OCEAN LANDFILL, INC.

Location: INTERSECTION OF RTG 532 & 611, WARETOWN, OCEAN TWP, OCEAN COUNTY

Date: SEPTEMBER 1, 1983

*FOR WELLS
ES-5, 6, 7, 9, 10S, 11S*



NOT TO SCALE

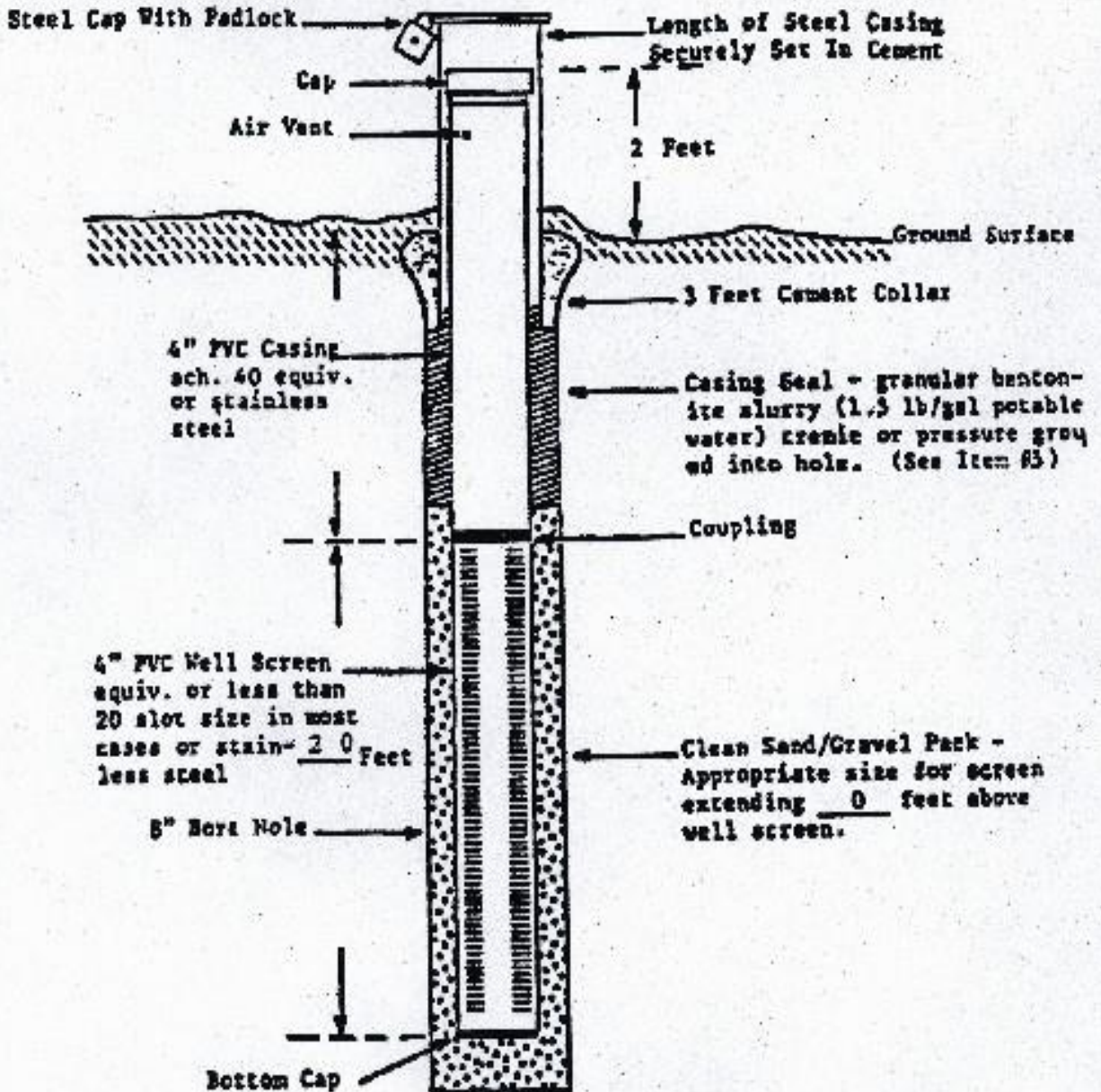
CONTRACT B
New Jersey Department of Environmental Protection
Unconsolidated Monitor Well Specifications*

Site Name: SOUTHERN OCEAN LANDFILL, INC.

Location: INTERSECTION OF RTS 532 & 611, WARETOWN, OCEAN TWP, OCEAN COUNTY

Date: _____

FOR WELLS
10D AND 11D



NOT TO SCALE

CONTRACT B

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER QUALITY

MONITORING REPORT SUBMITTAL FORM

PERMITTEE NAME AND ADDRESS

County of Ocean
Department of Solid Waste Management
P.O. Box 2191
Toms River, NJ 08754-2191

LOCATION OF ACTIVITY

Southern Ocean Landfill
Routes 532 & 611
Ocean Township, NJ 08758

NJPDES PERMIT NUMBER:

NJ0050482

MONITORING REPORT TYPE:

Groundwater Monitoring Well Report

MONITORING PERIOD:

MONITORING LOCATION:

**Monitoring Wells 1-9, ES10D, ES10S, ES11D, ES11S,
ALS1D, ALS1S, Als2S, ALS3S**

MONITORING LOCATION GROUP:

Central/Ocean

REGION/COUNTY:

CHECK IF APPLICABLE:

No Discharge this Monitoring Period.

MONITORING REPORT COMMENT(s): _____

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein; and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. See 18 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and or a maximum imprisonment of between 6 months and 5 years).

NAME AND TITLE OF PRINCIPAL EXECUTIVE
OFFICER OR AUTHORIZED AGENT

SIGNATURE OF PRINCIPAL EXECUTIVE
OFFICER OR AUTHORIZED AGENT

AREA CODE/TELEPHONE NUMBER

DATE (MONTH/DAY/YEAR)

CONTRACT B**Groundwater Monitoring Well Report - (Semi Annual)**

PERMIT NUMBER:		MONITORED LOCATION:		MONITORED PERIOD:		FACILITY NAME:	
SAMPLE DATE OF REPORT:		NJ0050482		SOUTHERN OCEAN LANDFILL			
PARAMETER	REPORTED VALUE	UNITS	REMARK CODE*	SAMPLE TYPE	SUBMISSION REQUIREMENT		
Biochemical Oxygen Demand-5 Day 00310 Monitoring Well		PPM			Semiannually		
Chloride Dissolved (as Cl) 82295 Monitoring Well		PPM			Semiannually		
Chemical Oxygen Demand (COD) Dissolved 00341 Monitoring Well		PPM			Semiannually		
Coliform, Bacteria 74056 Monitoring Well		n/100mL			Semiannually		
Color 00080 Monitoring Well		Unnoticeable			Semiannually		
Copper, Dissolved 01040 Monitoring Well		PPM			Semiannually		
Iron, Dissolved 01046 Monitoring Well		PPM			Semiannually		
Lead, Dissolved 01049 Monitoring Well		PPM			Semiannually		
Methylene Blue Active Substances (MBAS) 38260 Monitoring Well		PPM			Semiannually		
Nitrogen, Ammonia Total (as N) 00608 Monitoring Well		PPM			Semiannually		
Nitrogen, Nitrate Total (as NO3) 00618 Monitoring Well		PPM			Semiannually		
Odor 00085 Monitoring Well		T.O.N.			Semiannually		
pH 00400 Monitoring Well		pH			Semiannually		
Phenols, Total Recoverable 32730 Monitoring Well		PPM			Semiannually		
Sodium, Total (as Na) 00930 Monitoring Well		PPM			Semiannually		
Sulfate, Dissolved (as SO4) 00946 Monitoring Well		PPM			Semiannually		
Solids, Total Dissolved (TDS) 70300 Monitoring Well		PPM			Semiannually		
Specific Conductance 00095 Monitoring Well		(umhos/cm)			Semiannually		
Total Organic Carbon (TOC) 00680 Monitoring Well		PPM			Semiannually		
Zinc, Dissolved 01090 Monitoring Well		PPM			Semiannually		
Depth to H2O From Original Ground Level 72019 Monitoring Well		0.01 ft.			Semiannually		
Elev. Top Mon. Well Casing above MSL 72110 Monitoring Well		0.01 ft.			Semiannually		
Depth to Water Table From Top of Casing 82546 Monitoring Well		0.01 ft.			Semiannually		

Lab Certification #

99999 Lab: _____

CONTRACT B

Groundwater Monitoring Well Report - (Annual)

PERMIT NUMBER: MONITORED LOCATION: MONITORED PERIOD: FACILITY NAME:

SAMPLE DATE OF REPORT: NJ0050482 SOUTHERN OCEAN LANDFILL

PARAMETER	REPORTED VALUE	UNITS	REMARK CODE*	SAMPLE TYPE	SUBMISSION REQUIREMENT
Arsenic, Dissolved 01000 Monitoring Well		PPM			4 th Quarter Only
Barium, Dissolved 01005 Monitoring Well		PPM			4 th Quarter Only
Cadmium, Dissolved 01025 Monitoring Well		PPM			4 th Quarter Only
Chromium, Dissolved, Hexavalent 01230 Monitoring Well		PPM			4 th Quarter Only
Cyanide, Total 00720 Monitoring Well		PPM			4 th Quarter Only
Fluoride, Dissolved 00950 Monitoring Well		PPM			4 th Quarter Only
Hardness, Total (as CaCO ₃) 00900 Monitoring Well		PPM			4 th Quarter Only
Manganese, Dissolved 01056 Monitoring Well		PPM			4 th Quarter Only
Mercury, Dissolved 71890 Monitoring Well		PPM			4 th Quarter Only
Selenium, Dissolved 01145 Monitoring Well		PPM			4 th Quarter Only
Silver, Dissolved 01075 Monitoring Well		PPM			4 th Quarter Only
Turbidity 00076 Monitoring Well		NTU			4 th Quarter Only
Total Volatile Organics by CC/MS(3) (TVO)					
Acrylonitrile (TVO) 34215 Monitoring Well		PPB			4 th Quarter Only
Benzene (TVO) 34030 Monitoring Well		PPB			4 th Quarter Only
Chlorobenzene (TVO) 34301 Monitoring Well		PPB			4 th Quarter Only
Chloroform (TVO) 32106 Monitoring Well		PPB			4 th Quarter Only
1,1-Dichloroethane (TVO) 34496 Monitoring Well		PPB			4 th Quarter Only
1,2-Dichloropropane (TVO) 34541 Monitoring Well		PPB			4 th Quarter Only
1,2-Dichlorobenzene (TVO) 95-50-1 CASRN Monitoring Well		PPB			4 th Quarter Only
1,3-Dichlorobenzene (TVO) 541-73-1 CASRN Monitoring Well		PPB			4 th Quarter Only
1,4-Dichlorobenzene (TVO) 106-46-7 CASRN Monitoring Well		PPB			Second Half Only
Acrolein (TVO) 34210 Monitoring Well		PPB			Second Half Only

GROUNDWATER MONITORING: CONTRACT A & CONTRACT B
CONTRACT B

Groundwater Monitoring Well Report - (Annual)

PERMIT NUMBER: MONITORED LOCATION: MONITORED PERIOD: FACILITY NAME:

NJ0050482

SOUTHERN OCEAN LANDFILL

SAMPLE DATE OF REPORT:

PARAMETER	REPORTED VALUE	UNITS	REMARK CODE*	SAMPLE TYPE	SUBMISSION REQUIREMENT
Toluene (TVO) 34010 Monitoring Well		PPB			4 th Quarter Only
Dichlorodifluoromethane (TVO) 34668 Monitoring Well		PPB			4 th Quarter Only
Dichloromethane (TVO) Monitoring Well		PPB			4 th Quarter Only
Aroclor-1016 (PCB-1016) (PCB) 39516 Monitoring Well		PPB			4 th Quarter Only
Aroclor-1221 (PCB-1221) (PCB) 39516 Monitoring Well		PPB			4 th Quarter Only
Aroclor-1232 (PCB-1232) (PCB) 39516 Monitoring Well		PPB			4 th Quarter Only
Aroclor-1242 (PCB-1242) (PCB) 39516 Monitoring Well		PPB			4 th Quarter Only
Aroclor-1248 (PCB-1248) (PCB) 39516 Monitoring Well		PPB			4 th Quarter Only
Aroclor-1254 (PCB-1254) (PCB) 39516 Monitoring Well		PPB			4 th Quarter Only
Aroclor-1260 (PCB-1260) (PCB) 39516 Monitoring Well		PPB			4 th Quarter Only

Lab Certification #

99999 Lab: _____