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Cherry Hill, New Jersey 08002

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April 8, 2014

Sent via FedEx with delivery confirmation

Ms. Susan Bull
Maryland Department of the Environment
Oil Control Program
1800 Washington Boulevard
Baltimore, Maryland 21230

144514.004

Subject: Notification of Termination of Air Stripper Operation
Vacuum Enhanced Groundwater Extraction (VEGE) System
Bel Air Xtra Fuels
2476 Churchville Road, Bel Air, Maryland
MDE Case #2011-0112-HA and 2013-0007-HA

Dear Ms. Bull:

Brown and Caldwell (BC), on behalf of Drake Petroleum Company, Inc. (Drake), is submitting this letter to provide formal notice of a change in operation of the Vacuum Enhanced Groundwater Extraction (VEGE) system. The original design and operation of the VEGE system included the following operation procedure:

- Groundwater recovered from the extraction wells is collected in a holding tank;
- Untreated groundwater is then pumped to the air stripper for primary treatment;
- Treated groundwater is then pumped through two sets of bag filters and finally through granulated activated carbon (GAC) vessels before discharge

There are high concentrations of iron in the influent groundwater stream and the air stripper is causing the oxidation of soluble iron (Fe^{2+}) to insoluble iron (Fe^{3+}) through aeration. The oxidation of iron in the air stripper has resulted in the formation of solids which foul the VEGE system equipment and causes system shutdowns. Some issues we have experienced include the fouling of level switches, seizing of the transfer pump, clogging of bag filters, and fouling of the carbon units. Based on these issues, operation of the system without the air stripper is recommended and should result in more consistent and improved performance of the VEGE system.

To determine if the VEGE system could effectively remove the influent groundwater contaminants of concern, temporary removal of the air stripper from system operation was conducted and effluent samples were collected. Based on the attached laboratory analytical data (presented in Table 1 below), the VEGE system is able to meet the established Maryland Department of Environment (MDE) permit criteria utilizing only the GAC vessels for contaminant removal (with the air stripper offline). Effluent groundwater will continue to be analyzed once a month in accordance with permit requirements to determine if breakthrough of the carbon is occurring, and carbon change outs will continue to be scheduled as needed.

| Table 1. Bel Air Xtra Fuels VEGE System Analytical Data | | | | | | |
|---|---------------|---|---|-------------------------|-------------------------|--|
| Parameter | Units µg/L | Air Stripper Online | | Air Stripper Offline | | General Permit No. MDG918082 Effluent Limitations |
| | | Influent Average (6/25/2013 - 12/6/2013) | Effluent Average (2/19/2013 - 12/6/2013) | Influent (3/11/2014) | Effluent (3/11/2014) | |
| Benzene | µg/L | 60 | ND | 43 | ND | 5 |
| Toluene | µg/L | 121 | ND | 30 | ND | - |
| Ethylbenzene | µg/L | 61 | ND | 54 | ND | - |
| Xylene (total) | µg/L | 299 | ND | 183 | ND | - |
| Total BTEX | µg/L | 540 | ND | 310 | ND | 100 |
| Methyl Tert Butyl Ether (MTBE) | µg/L | 1,040 | 2.4 | 364 | 3.4 | - |
| Naphthalene | µg/L | 26 | ND | 21 | ND | - |
| TPH-GRO | mg/L | 3 | 0.8 | 3 | ND | |
| TPH-DRO | mg/L | 1 | 0.8 | 1 | ND | - |
| TPH | mg/L | 4 | 1.6 | 3 | ND | 15 |

On March 10, 2014, BC called Thomas Yoo from the MDE Permits Division to determine requirements for terminating air stripper operation in the VEGE system. Thomas Yoo stated that the air permit would not require a modification, and advised BC to contact our MDE case manager. On March 13, 2014, BC called George Beerlie and was advised to contact David Mummert, Air Quality Permits Program Technical Support Division Chief. On March 17, 2014, BC emailed David Mummert. Based on correspondence with the MDE, BC determined that no modifications to existing permits would be required. BC is submitting this letter to provide formal notification to our MDE case manager of a change in operation of the VEGE system. If you have any questions or require additional information, please contact the undersigned at (856) 330-9406.

Very truly yours,
Brown and Caldwell



Carolyn Roth
 Project Manager

CC: Jeannette DeBartolomeo, Maryland Department of the Environment (via email and U.S. Mail)
 Eric Harvey, Drake Petroleum Company, Inc. (via email)
 Michele A. Alabiso, Drake Petroleum Company, Inc. (via email)
 Jeff Walker, Warren Equities Law Offices. (via email)
 Thomas Yoo, Maryland Department of the Environment (via U.S. Mail)
 Jason Zhao, Maryland Department of the Environment (via U.S. Mail)

Attachments (1)

Attachments





MARYLAND DEPARTMENT OF THE ENVIRONMENT

Oil Control Program, Suite 620, 1800 Washington Boulevard • Baltimore MD 21230

410-537-3442 • 410-537-3092 (fax)

1-800-633-6101

Martin O'Malley
Governor

Robert M. Summers, Ph.D.
Secretary

Anthony G. Brown
Lieutenant Governor

JUL - 5 2012

Mr. Eric Harvey
Drake Petroleum Company, Inc.
221 Quinebaug Road
North Grosvenordale CT 06255

Dear Mr. Harvey:

This is in response to your Notice of Intent (NOI) request for authorization to discharge under a general discharge permit for the discharge of treated ground water from oil contaminated ground water sources for the following location:

Facility Name: Bel Air Xtra Fuels
Location: 2476 Churchville Road
Bel Air, Harford County MD 21015
Cognizant Official: Eric Harvey
Phone: (845) 561-4000
Latitude: 39°33'19" N
Longitude: 76°16'17" W
Basin Code: 02.13.07.01
Sic Code: 4953 - Refuse Systems
Date received: June 27, 2012
Analysis Requirement: BTEX, MTBE, TBA, Napthalene
Case Number: 2011-0112-HA

Your application certifies your agreement to comply with terms of this permit, including your responsibility to (a) notify the owner of the receiving surface water system of this authorization and (b) obtain any required approvals from that owner prior to discharging. Your facility's permit coverage extends until December 11, 2012 or as specified in Part I.G of the general permit.

The following enclosures are provided:

1. Your copy of the General Discharge Permit No. 2012-OGR-8082 (MDG918082).
2. A blank Discharge Monitoring Report Form set up for your facility for your discharge reporting requirements. Make copies of this form for the actual submission of the required reports. Additionally, we have supplied a sample form filled out to show the typical entries that are made on the form.



Mr. Eric Harvey
Page 2.

3. A copy of the Removed Substances Reporting Form that is required in Part IV. Special Conditions Paragraph C.
4. A copy, for your reference, of the Significant Noncompliance Criteria (SNC) Violations for your general discharge permit.

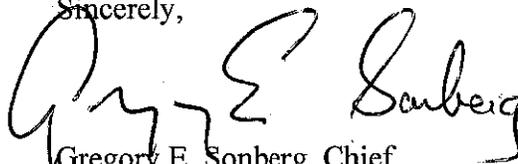
This general discharge permit only addresses the requirements for the discharge of wastewaters to surface waters of the State. It does not authorize the reinjection or infiltration of treated water directly to groundwater of the State without specific approval from the Department and may require additional permitting authorizations. In order to evaluate and monitor the progress of a ground water cleanup project there will be requirements for testing the on-site ground water monitoring wells prior to treatment. Such evaluation and monitoring requirements are part of the cleanup activities and are not related to the discharge requirements.

This permit may be suspended or revoked upon a final, unreviewable determination that the permittee lacks, or is in violation of, any federal, state, or local approval necessary to conduct the activity authorized by this permit.

A copy of this general discharge permit letter of assignment shall be maintained at the treatment facility location and be made available for inspection when requested.

If you have any questions, please call Mr. Thomas Yoo at (410) 537-3403.

Sincerely,



Gregory E. Sonberg, Chief
Permits & Support Division
Oil Control Program

GES:ty

Enclosures

cc: Mr. Horacio Tablada
Mr. David Lyons
Mr. Tom Yoo

GENERAL DISCHARGE PERMIT NO. 2012-OGR-8082

GENERAL NPDES PERMIT NO. MDG918082

Effective Date: JUL - 5 2012

Expiration Date: December 11, 2012

**GENERAL PERMIT FOR THE DISCHARGE OF TREATED GROUND WATER
FROM OIL CONTAMINATED GROUND WATER SOURCES
TO SURFACE OR GROUND WATERS OF THE STATE**

PART I. APPLICABILITY

A. Geographic Coverage.

This permit covers all areas of the State of Maryland.

B. Eligible Discharges.

This permit may cover all new and existing discharges of treated ground water from oil-contaminated ground water sources which discharge to surface or ground waters of this State.

C. Ineligible Discharges.

This permit does not authorize:

1. Discharges of treated ground water contaminated with other volatile organic compounds or hazardous materials (such as, but not limited to, TCE, TCA, DCE, etc.), other than oil unless prior written approval is given by the Department.
2. Remediation by injection of chemicals into the ground water unless prior written approval is given by the Department.
3. Re-injection of treated ground water into ground water wells unless prior written approval is given by the Department.

D. Individual Permit Required.

1. The Department may require any person authorized by this permit to apply for and obtain an individual State or State/NPDES discharge permit. If an owner or operator fails to submit, in a timely manner, an individual State or State/NPDES discharge permit application or a Notice of Intent (NOI) for another general permit as required by the Department under this condition, the applicability of this permit to the owner or operator is automatically terminated at the end of the day specified by the Department for application or NOI submittal.

D. Individual Permit Required. (continued)

2. Any person authorized by this permit may request to be excluded from the coverage of this permit by applying for an individual State or State/NPDES discharge permit or requesting coverage under another general permit. The Department may grant this request by issuing an individual State or State/NPDES permit or by granting coverage under another general permit, if the reasons cited by the person are adequate to support the request.
3. When an individual NPDES permit and/or State discharge permit is issued to a person for discharges otherwise subject to this permit, the applicability of this permit to the permittee is automatically terminated on the effective date of the individual State or State/NPDES discharge permit.
4. If there is evidence indicating potential or realized impacts on water quality due to any discharge activity covered by this permit, the owner or operator of such discharge may be required to obtain an individual State or State/NPDES discharge permit or coverage under another general permit.
5. If a person otherwise covered under this permit is denied coverage under an individual State or State/NPDES discharge permit, the denial automatically terminates, on the date of the denial, the person's coverage under this general permit, unless otherwise specified by the Department.
6. The Department may terminate coverage under this general permit for an existing permittee if the Department finds that:
 - a. The NOI contained false or inaccurate information;
 - b. Conditions or requirements of the general permit have been or are about to be violated;
 - c. Substantial deviation from plans, specifications or requirements has occurred;
 - d. The Department has been refused entry to the premises for the purpose of inspecting to ensure compliance with the conditions of the general permit;
 - e. A change in conditions exists that requires temporary or permanent reduction or elimination of the permitted discharge;
 - f. Any State or federal water quality stream standard or effluent standard has been or is likely to be violated; or
 - g. Any other good cause exists for denying coverage under this general permit.

E. Authorization.

1. To be authorized to discharge under this general permit, a person is required to submit an NOI in accordance with the requirements of Part III of this permit, be notified of its acceptance by the Department, pay the required fee, and comply with the terms and conditions of this permit.
2. Coverage under this general permit is effective on the date that the NOI is acknowledged by the Department, provided the NOI fee has been paid to the Department in accordance with the terms stipulated in Part III of this general permit. If a NOI fee is paid by a check which does not clear for any reason, the person will be given 30 calendar days to make proper payment including any interest and other charges that are due. If payment is not made within this time, coverage under this general permit shall be considered void from the outset.

E. **Authorization.** (continued)

3. In order to establish the effective date for coverage under this general permit, the permittee should retain in the permittee's possession the cancelled check, a copy of the completed NOI, and related documents. These documents shall be provided to the Department upon request.

F. **Transfer of Authorization.**

The authorization under this permit is not transferable to any person.

G. **Continuation of an Expired General Permit.**

An expired general permit continues in force and effect until a new general permit is issued or the general permit is revoked or withdrawn.

Part II. DEFINITIONS.

- A. "BTEX" means the sum of the benzene, toluene, ethylbenzene, and xylene concentrations.
- B. "Bypass" means the intentional diversion of wastes from any portion of a treatment facility.
- C. "CFR" means Code of Federal Regulations.
- D. "COMAR" means Code of Maryland Regulations.
- E. "Department" means the Maryland Department of the Environment. Unless stated otherwise, all submissions to the Department shall be directed to the attention of the Oil Control Program.
- F. "Federal Clean Water Act" means the Federal Water Pollution Control Act, its amendments and all regulations and rules adopted under the Act.
- G. "General permit" means a discharge permit issued for a class of dischargers.
- H. "Grab sample" means an individual sample of at least 100 milliliters collected at a randomly selected time over a period not exceeding 15 minutes.
- I. "Ground water" means underground water in a zone of saturation.
- J. "Includes" or "including" means includes or including by way of illustration and not by way of limitation.
- K. "NOI" means Notice of Intent to be covered by this permit (see Part III of this permit).
- L. "NPDES permit" means National Pollutant Discharge Elimination System permit issued under the federal Clean Water Act.
- M. "Oil, petroleum products, and their by-products" means oil of any kind and in any liquid form including, but not limited to, petroleum, fuel oil, sludge, oil refuse, oil mixed with other waste, crude oils, and every other nonedible liquid hydrocarbon regardless of specific gravity. Oil includes aviation fuel, gasoline, kerosene, light and heavy fuel oils, diesel motor fuels, asphalt, and crude oils, but does not include liquefied petroleum gases, such as liquefied propane, or any edible oils.
- N. "Operator" means that person or those persons with responsibility for the management and performance of each facility.
- O. "Permittee" means the person holding a permit issued by the Department.

Part II. DEFINITIONS. (continued)

- P. "Person" means an individual, receiver, trustee, guardian, personal representative, fiduciary, or representative of any kind, and any partnership, firm, association, corporation, or other entity. Person includes the federal government, this State, any county, municipal corporation, or other political subdivision of this State or any of their units.
- Q. "State discharge permit" means a permit issued by the Department for the discharge of any pollutant or combination of pollutants into the waters of this State.
- R. "Surface waters" means all waters of the State which are not ground waters.
- S. "Total Petroleum Hydrocarbons" or "TPH" means a test method defined under EPA Method 8015B. Samples shall be collected directly into a 1-liter, wide-mouth jar with inert cap liner and preserved with HCl to a pH of <2. Maximum holding time at 4°C shall be 28 days.
- T. "Upset" means the 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.
- U. "Wastewater" means any:
1. Liquid waste substance derived from industrial, commercial, municipal, residential, agricultural, recreational, or other operations or establishments; and
 2. Other liquid waste substance containing liquid, gaseous or solid matter and having characteristics which will pollute any waters of this State.
- V. "Waters of this State" includes:
1. Both surface and underground waters within the boundaries of this State subject to its jurisdiction, including that part of the Atlantic Ocean within the boundaries of this State, the Chesapeake Bay and its tributaries, and all ponds, lakes, rivers, streams, tidal and nontidal wetlands, public ditches, tax ditches, and public drainage systems within this State, other than those designed and used to collect, convey, or dispose of sanitary sewage; and
 2. The flood plain of free-flowing waters determined by the Maryland Department of the Environment on the basis of the 100-year flood frequency.

Part III. NOTICE OF INTENT REQUIREMENTS.

A. Deadlines for Notification.

1. At least 30 days prior to the commencement of any new discharge authorized under this general permit, a person shall request coverage by submitting an NOI in accordance with the requirements of this Part.
2. Within 60 days of issuance of this general permit, any person already authorized under this permit shall submit a new NOI and fee to continue coverage.
3. The Department may bring an enforcement action for failure to submit an NOI in a timely manner, or for any unauthorized discharges that occurred prior to obtaining coverage under this permit.

B. Notice of Intent (NOI).

A person shall obtain the appropriate NOI form from the Department, and shall provide the following information: owner and permittee names, addresses, and telephone numbers; facility address; description of remediation process to be employed; a map of the site indicating the location of: all discharge points, adjacent streets and properties to the site; all potable, monitoring and recovery wells on the site and surrounding properties; a copy of the most recent analytical data; receiving waters for each outfall; and estimated effluent volume in gallons per day for each outfall.

C. Fees.

Persons who intend to obtain coverage under this permit shall submit a fee to the Department at the same time as the NOI application. An annual fee of \$120 is due July 1 each year the permit is active. The discharge fee for new facilities that commence operating after July 1 shall be prorated on a monthly basis.

D. Required Signatures.

1. Certification.

Any person signing an NOI shall make the following certification as part of the NOI. "I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

2. Signatories. All permit applications shall be signed as follows:

a. For a corporation: by a responsible corporate officer. For the purpose of this section, a responsible corporate officer means:

(i) A president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation; or

(ii) The manager of one or more properties belonging to the owner, if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.

b. For a partnership or sole proprietorship: by a general partner or the proprietor, respectively; or

D. **Required Signatures.** (continued)

c. For a municipal, State, federal, or other public agency: By either a principal executive officer or ranking elected official. For purposes of this section, a principal executive officer of a federal agency includes:

- (i) The chief executive officer of the agency; or
- (ii) A senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., Regional Administrators of the EPA).

3. **Report Submission.**

- a. All reports required by permits, and other information requested by the Department shall be signed by a person described in Part III D.2 or by a duly authorized representative of that person. A person is a duly authorized representative only if:
 - (i) The authorization is made in writing by a person described in Part III D.2;
 - (ii) The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity such as the position of plant manager, operator of a well or a well field, superintendent, position of equivalent responsibility or an individual or position having overall responsibility for environmental matters for the company; and
 - (iii) The written authorization is submitted to the Department.
- b. If an authorization under this subsection 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 Part III D.3(a) must be submitted to the Department prior to or together with any reports, information or applications to be signed by an authorized representative.

E. **Where to Submit.**

A person shall submit a signed copy of the NOI and the required fee made payable to the Maryland Department of the Environment to the following address:

NOI
Maryland Department of the Environment
Customer Service Center
1800 Washington Boulevard
Baltimore MD 21230-1719

FEE
Maryland Department of the Environment
P.O. Box 1417
Baltimore MD 21203-1417
(Attach copy of first page of NOI)

F. **Failure to Notify.**

Persons who engage in the activity authorized under this permit, who fail to notify the Department of their intent to be covered under this permit, and who discharge to waters of the State without an individual State or State/NPDES discharge permit, are in violation of the federal Clean Water Act and the Environment Article, Annotated Code of Maryland, and may be subject to penalties.

G. Permit Expiration and Renewal.

Prior to reissuance of this general permit with new effective and expiration dates, the permittee is required to submit to the Department either:

1. A notice that the discharge will cease by the expiration date of this permit; or
2. A new NOI and any fee in accordance with the requirements of the reissued general permit in order to be covered under the reissued general permit.

H. Additional Notification.

A person obtaining authorization under this general permit to discharge into any public storm sewer system in Baltimore City or Anne Arundel, Baltimore, Carroll, Cecil, Harford, Howard, Montgomery, Prince George's counties, or any other county whose system serves a population of 100,000 or more, or is operated by the State Highways Administration, shall also concurrently submit a signed copy of the NOI to the agency operating the public storm sewer system into which the discharge occurs.

I. Additional Reporting Requirements.

In the event that the Department identifies certain pollutants causing impairment of the receiving waters, the permittee may be required to amend the NOI by submission of sampling data for the subject pollutants.

Part IV. SPECIAL CONDITIONS.

A. Notification of the Discharge of a Pollutant Not Limited in This Permit.

The permittee shall notify the Department as soon as it is known or suspected that any toxic pollutants which are not specifically limited by this permit have been discharged at levels specified in 40 CFR Part 122.42.

B. Effluent Limitations and Monitoring Requirements. (See Attachment 1, Page 17)

C. Removed Substances.

Wastes such as solids, sludge, or other pollutants removed from or resulting from treatment or control of wastewaters, or facility operations, shall be disposed of in a manner that meets all State and federal requirements so as to prevent any removed substances or runoff from such substances from entering or from being placed in a location where they may enter the waters of the State.

1. Within 90 calendar days after obtaining coverage under this general permit, the permittee shall submit the following information to the Department on a form provided:
 - a. The location, on a suitable map, of all areas used for the disposal of any removed substances as described above;
 - b. The physical, chemical, and biological characteristics, as appropriate, quantities of any removed substances handled, and the method of disposal;
 - c. If disposal is handled by other than the permittee, identify the contractor or subcontractor, their mailing address, and the information specified in a and b above.
2. Prior to the use of new or additional disposal areas, contractors, or subcontractors the permittee shall notify the Department in writing.

D. Wastewater Operator Certification.

Within six months after obtaining authorization under this general permit, the permittee's treatment facility shall be operated by an industrial wastewater operator duly certified by the Maryland Board of Waterworks and Waste Systems Operators. At no time during the effect of this permit shall the treatment facility be operated for more than six contiguous months without a certified operator.

E. Analytical Laboratory.

Within 30 days after obtaining coverage under this general permit, the permittee shall submit to the Department the name and address of the analytical laboratory (including the permittee's own laboratory) which is used to perform the monitoring required by this general permit. If the laboratory changes during the life of the permit, then the permittee shall notify the Department of the new laboratory within 30 days of the change.

F. Treatment System Maintenance.

1. The permittee shall inspect the treatment system components, which may include oil/water separators, air stripping devices, granulated activated carbon filters, associated pumps, pipelines, meters, etc., at least twice per month, as a minimum, to ensure that the treatment system is operating effectively.
2. A logbook shall be kept by the permittee to include the following: inspection date; person inspecting; the results of each inspection and all maintenance activities performed on the treatment system.
3. MDE must approve any additive to the treatment system prior to use. Notice, including copies of Material Safety Data Sheets (MSDS) and toxicity documents, shall be provided by the permittee to the Department prior to approval of treatment system additives, including additives used for anti-fouling and de-foaming purposes.

G. Additional Permits.

The permittee is responsible for obtaining a Ground Water Appropriation Permit from the Department's Water Management Administration, and/or a Well Construction Permit, if appropriate, from the responsible county agency.

H. Biomonitoring Program.

1. This special condition applies to permittees discharging to surface waters of the State, with an average flow of 40 gpm (58,000 gpd) or more over an anticipated discharge period of at least two years.
2. Within three months of the effective date of the permit, unless previous biomonitoring programs have been successfully completed for the site, the permittee shall submit to the Department for approval a study plan to evaluate wastewater toxicity at treated ground water outfall to surface waters by using biomonitoring. The study plan should include a discussion of:
 - a. wastewater and production variability
 - b. sampling methods
 - c. source of test organisms
 - d. source of dilution water
 - e. testing procedures
 - f. data analysis
 - g. quality control
 - h. testing schedule

H. Biomonitoring Program. (continued)

3. The testing program shall consist of two acute testing events, three months apart. This testing shall be initiated no later than three months after the due date of the study plan.
 - a. Each of the two testing events shall include a 48-hour static renewal test using fathead minnow and a 48-hour static renewal test using a daphnid species.
 - b. If the receiving water is estuarine the permittee may substitute estuarine species for those species specified above. Approved estuarine species for acute testing are sheepshead minnows, silversides, grass shrimp, and mysid shrimp. In all cases, testing must include one vertebrate species and one invertebrate species.
4. The samples used for biomonitoring shall be collected at the same time as the samples used for the chemical analysis required for this outfall.
5. Testing shall be conducted in accordance with the procedures described in Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms, September 1991, EPA/600/4-90/027.
6. Test results shall be submitted to the Department within one month of completion of each set of tests.
7. Test results shall be reported in accordance with MDE/LMA "Reporting Requirements for Effluent Biomonitoring Data".
8. If testing is not performed in accordance with MDE-approved study plan, additional testing may be required by the Department.
9. If the test results indicate that the effluent is toxic, additional biomonitoring and/or a toxicity reduction evaluation may be required by the Department.
10. If plant processes or operations change so that there is a significant change in the nature of the wastewater, the Department may require the permittee to conduct a new set of tests.
11. Submit all biomonitoring related materials to:

Maryland Department of the Environment
 Science Services Administration
 Environmental Risk Assessment Program
 1800 Washington Boulevard
 Baltimore, Maryland 21230-1719

I. Toxicity Reduction Evaluation.

The permittee shall conduct a Toxicity Reduction Evaluation (TRE) when a review of toxicity test data by the Department indicates unacceptable acute or chronic effluent toxicity. A TRE is an investigation conducted to identify the causative agents of effluent toxicity, isolate the source(s), determine the effectiveness of control options, implement the necessary control measures and then confirm the reduction in toxicity.

1. Within 60 days of notification by the Department that an additional TRE is required, the permittee shall submit a plan of study and schedule for conducting a TRE. This plan should follow the framework presented in Generalized Methods for Conducting Industrial Toxicity Reduction Evaluations (EPA 600/2-88/070). The permittee shall conduct the TRE study consistent with the submitted plan and schedule.

I. Toxicity Reduction Evaluation. (continued)

2. Beginning 60 days from the submission date of the TRE study plan and every 60 days thereafter, the permittee shall submit progress reports including all relevant test data to the Department. This shall continue until completion of the toxicity reduction confirmation.
3. Within 60 days of completion of the toxicity identification, or the source identification phase of the TRE, the permittee shall submit to the Department a plan and schedule for implementing those measures necessary to eliminate acute toxicity and/or reduce chronic toxicity to acceptable levels. The implementation of these measures shall begin immediately upon submission of this plan.
4. Within 60 days of completing the implementation of control measures to eliminate or reduce toxicity, the permittee shall submit to the Department for approval a study plan to confirm elimination of toxicity by using biomonitoring.
5. If, for any reason, the implemented measures do not result in compliance with the Department's toxicity limitations, the permittee shall continue the TRE.

J. Noncompliance with Discharge Limits.

The discharge of any pollutant identified in this permit at a level in excess of the level authorized shall constitute a violation of the terms and conditions of this permit. If for any reason the permittee does not comply with or will be unable to comply with any of the effluent limitations in this permit, the permittee shall notify, within 24 hours of discovery of the noncompliance, the:

Maryland Department of the Environment
Land Management Administration
Oil Control Program
1800 Washington Boulevard, Suite 620
Baltimore MD 21230-1719
(410) 537-3442 (410) 537-3092 FAX

1. The permittee shall take all reasonable steps including shutting down the treatment system and ceasing any discharge, to minimize or prevent any adverse impact to the waters of this State or to human health from noncompliance with any effluent limitations specified in this permit.
2. Within five (5) days of notifying the Department, the permittee shall provide the Department with the following information in writing:
 - a. A description of the noncomplying discharge including its impact upon the receiving waters;
 - b. The estimated length of time the noncompliance occurred prior to discovery;
 - c. The cause of noncompliance;
 - d. The anticipated time the condition of noncompliance is expected to continue or if such condition has been corrected, the duration of the period of noncompliance;
 - e. Steps taken by the permittee to reduce and eliminate the noncomplying discharge;
 - f. Steps to be taken by the permittee to prevent recurrence of the condition of noncompliance; and
 - g. A description of the accelerated or additional monitoring by the permittee to determine the nature and impact of the noncomplying discharge.

K. Reopener Clause For Permits.

This permit shall be modified, or alternatively, revoked and reissued, to comply with any applicable effluent standard or limitation issued or approved under Sections 301, 304, and 307 of the Clean Water Act [33 USCS §§ 1311, 1314, 1317] if the effluent standard or limitation so issued or approved:

1. Contains different conditions or is otherwise more stringent than any effluent limitation in this permit; or
2. Controls any pollutant not limited in this permit. This permit, as modified or reissued under this paragraph, shall also contain any other requirements of the Act then applicable.

L. Protection of Water Quality.

It is a violation of this permit to discharge any substance not otherwise listed under the permit's "Effluent Limitations and Monitoring Requirements" special conditions (Page 17) at a level which would cause or contribute to any exceedance of the numerical water quality standards in COMAR 26.08.02.03. If a discharge regulated by this permit causes or contributes to an exceedance of the water quality standards in COMAR 26.08.02.03, including but not limited to the general water quality standards, the Department is authorized to exercise its powers to modify, suspend or revoke this permit.

PART V. MONITORING AND REPORTING.

A. Representative Sampling.

Required samples and measurements shall be taken at such times as to be representative of the quantity and quality of the discharges during the specified monitoring periods. Where effluent authorized by this general permit mingles with other permitted discharges of wastewaters or waters, the time and place of sampling shall be chosen to uniquely represent the effluent authorized by this permit.

B. Sampling and Analytical Methods.

The sampling and analytical methods used shall conform to procedures for the analysis of pollutants as identified in Title 40 CFR Part 136 -"Guidelines Establishing Test Procedures for the Analysis of Pollutants" unless otherwise specified. Sampling shall occur at the outfall(s) or monitoring points.

C. Data Recording Requirements.

For each measurement of sample taken to satisfy the requirements of this permit, the permittee shall record the following information:

1. The exact place, date, and time of sampling or measurement;
2. The person(s) who performed the sampling or measurement;
3. The dates and times the analyses were performed;
4. The person(s) who performed the analyses;
5. The analytical techniques or methods used; and
6. The results of all required analyses.

D. Monitoring Equipment Maintenance.

The permittee shall periodically calibrate and perform maintenance procedures on all monitoring and analytical instrumentation to insure accuracy of measurements.

E. Additional Monitoring by Permittee.

If the permittee monitors any pollutant more frequently than required by this permit, the permittee shall use approved analytical methods as specified in Section B above, and shall report the results of such monitoring, including the increased frequency, as required in Section F below.

F. Reporting Monitoring Results.

1. All monitoring results obtained during each calendar quarter shall be summarized on a separate Discharge Monitoring Report (DMR) Form (EPA No. 3320-1) for each month of the reporting period. One copy of the DMR and a copy of each sample analysis data sheet for the quarter shall be submitted to the Department postmarked no later than the 28th day of the month following the end of each calendar quarter, at the address below:

Maryland Department of the Environment
Land Management Administration
Oil Control Program
1800 Washington Boulevard, Suite 620
Baltimore MD 21230-1719
(410) 537-3442 (410) 537-3092 Fax

2. If the discharges authorized by this permit occur at a facility with an individual State or State/NPDES permit for other discharges, the permittee may submit monitoring data required by this general permit with the Discharge Monitoring Report for the individual State or State/NPDES discharge permit.
3. All reports required by permits and other information requested by the Department shall be signed by a person described in Part III, Section D.2 or by a duly authorized representative of that person as described in Part III, Section D.3.

G. Records Retention.

All records and information resulting from the monitoring activities required by this permit, including all records of analyses performed, calibration and maintenance of instrumentation, and original recordings from continuous monitoring instrumentation shall be retained for a minimum of five (5) years. This period shall be automatically extended during the course of litigation, or when requested by the Department.

Part VI. FACILITY OPERATION AND MAINTENANCE.

A. Facility Operation.

The permittee shall maintain, in good working order and efficiently operate, all systems used or installed and all treatment and control facilities.

B. Bypasses.

Any bypass of treatment facilities needed to maintain compliance with the terms and conditions of this permit is prohibited unless:

1. The bypass is unavoidable to prevent a loss of life, personal injury or substantial physical damage to property, damage to the treatment facilities which would cause them to become inoperable, or substantial and permanent loss of natural resources;
2. There are no feasible alternatives;
3. Except under emergency conditions, the permittee notifies the Department ten days in advance of the date of the anticipated bypass or at the earliest possible date if the period of advance knowledge is less than ten days;
4. Under emergency conditions, the permittee notifies the Department within 24 hours of becoming aware of the bypass. If the notification is given orally, the permittee shall follow the oral notification with a written notification to the Department within five calendar days of the oral notification; and
5. The bypass is allowed by the Department under conditions determined by the Department to be necessary to minimize adverse effects.

C. Demonstration of an Upset.

An upset shall constitute an affirmative defense to an action brought for noncompliance with technology-based effluent limitations only if the permittee demonstrates, 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 operated in a prudent and workman-like manner and in compliance with proper operation and maintenance procedures;
3. The permittee submitted notification of upset within 24 hours. If the notification was given orally, the permittee submitted written notification to the Department within five calendar days following the oral notification; and
4. The permittee submitted, within five days of becoming aware of the upset, documentation to support and justify the upset; and
5. The permittee complied with any remedial measures required to minimize adverse impact.

D. Power Failure.

In order to maintain compliance with the terms and conditions of this permit, the permittee shall:

1. Provide an alternative power source sufficient to operate the wastewater collection and treatment facilities; or
2. Halt, reduce or otherwise control production and all discharges upon the reduction, loss, or failure of the primary source of power to the wastewater collection and treatment facilities.

Part VII. VIOLATION OF PERMIT CONDITIONS.**A. Compliance with This General Permit and Water Pollution Abatement Statutes.**

The permittee shall comply at all times with the terms and conditions of this permit, the provisions of Title 7, Subtitle 2; and Title 9, Subtitles 2 and 3; of the Environment Article, Annotated Code of Maryland, and the federal Clean Water Act.

B. Civil and Criminal Liability.

In issuing or reissuing this permit, the Department does not waive or surrender any right to proceed in an administrative, civil, or criminal action for any violations of State law or regulations occurring before the issuance or reissuance of this permit. Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any civil or criminal responsibilities or penalties for non-compliance with Title 9 of the Environment Article, Annotated Code of Maryland or any federal, local, or other state law or regulation.

C. Penalties for Violations of Permit Conditions.

In addition to penalties for violations of State water pollution control laws set forth in Section 9-342 of the Environment Article, Annotated Code of Maryland, the federal Clean Water Act provides that any person who violates Section 301, 302, 306, 307, 308, 318, or 405 of the federal Clean Water Act, or any permit condition or limitation implementing any of such sections in a permit issued under Section 402 of the federal Clean Water Act or in a permit issued under Section 404 of the federal Clean Water Act, is subject to a civil penalty not to exceed \$37,500 per day for each violation.

D. Criminal Penalties for Violations of Permit Conditions.

In addition to criminal penalties for violations of State water pollution control laws set forth in Section 9-343 of the Environment Article, Annotated Code of Maryland, the Clean Water Act provides that:

1. Any person who negligently violates Section 301, 302, 306, 307, 308, 318, or 405 of the federal Clean Water Act, or any permit condition or limitation implementing any of such sections in a permit issued under Section 402 of the federal Clean Water Act, or in a permit issued under Section 404 of the federal Clean Water 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 one (1) year, or both.
2. Any person who knowingly violates Section 301, 302, 306, 307, 308, 318, or 405 of the federal Clean Water Act, or any permit condition or limitation implementing any such sections in a permit issued under Section 402 of the federal Clean Water Act, or in a permit issued under Section 404 of the federal Clean Water Act, is subject to a fine of not less than \$5,000 nor more than \$50,000 per day of violation, or by imprisonment for not more than three (3) years, or both.
3. Any person who knowingly violates Section 301, 302, 306, 307, 308, 318, or 405 of the federal Clean Water Act, or any permit condition or limitation implementing any such sections in a permit issued under Section 402 of the federal Clean Water Act, or in a permit issued under Section 404 of the federal Clean Water Act, and who knows at that time that he thereby places another person in imminent danger of death or serious bodily injury is subject to a fine of not more than \$250,000 or imprisonment of not more than 15 years, or both. A person which is a corporation shall, upon conviction, be subject to a penalty of not more than \$1,000,000.

E. Penalties for Falsification and Tampering.

The Environment Article, Section 9-343, Annotated Code of Maryland, provides that any person who knowingly makes any false material statement, representation, or certification in any application, record, report, plan, or other document filed or required to be maintained under this permit, including monitoring reports or reports of compliance or noncompliance, or who knowingly falsifies, tampers with, or renders inaccurate any monitoring device or method required to be maintained under this permit shall, upon conviction, be punished by a fine of not more than \$10,000 per violation or by imprisonment for not more than 6 months per violation, or by both. The federal Clean Water Act provides that any person who knowingly falsifies, tampers with, or renders inaccurate any monitoring device or method required to be maintained under the federal Clean Water Act, or who knowingly makes any false statement, representation, or certification in any records or other document submitted or required to be maintained under this permit, including monitoring reports or reports of compliance or noncompliance shall, upon conviction, be punished by a fine of not more than \$10,000 or by imprisonment for not more than 2 years, or by both.

Part VIII. GENERAL CONDITIONS.

A. Right of Entry.

The permittee shall permit the Secretary of the Department, the Regional Administrator for the Environmental Protection Agency, or their authorized representatives, upon the presentation of credentials;

1. To enter upon the permittee's premises where an effluent source is located or where any records are required to be kept under the terms and conditions of this permit;
2. To access and copy, at reasonable times, any records required to be kept under the terms and conditions of this permit;
3. To inspect, at reasonable times, any monitoring equipment or monitoring method required in this permit;
4. To inspect, at reasonable times, any collection, treatment, pollution management, or discharge facilities required under this permit; and
5. To sample, at reasonable times, any discharge of pollutants;
6. To install monitoring wells if the permittee has not complied when required to do so by the Department.
7. To take photographs.

B. Property Rights/Compliance with Other Requirements.

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor does it authorize any infringement of federal, State or local laws or regulations.

C. Duty to Provide Information.

The permittee shall furnish to the Department, within the time frame stipulated by the Department, any information which the Department may request to determine compliance with this permit. The permittee shall also furnish to the Department, upon request, copies of records required to be kept by this permit.

D. Other Information.

If the permittee becomes aware that incorrect information has been included in the NOI or any other report to the Department, or relevant facts have been omitted from the NOI or any other report to the Department, the permittee shall submit the correct information or facts to the Department within 30 calendar days of becoming aware.

E. Availability of Reports.

Except for data determined to be confidential under the Maryland Public Information Act, and Section 308 of the federal Clean Water Act, all submitted data shall be available for public inspection at the Department.

F. Toxic Pollutants.

The permittee shall comply with effluent standards or prohibitions for toxic pollutants established under the federal Clean Water Act or under Section 9-314 and Sections 9-322 through 9-328 of the Environment Article, Annotated Code of Maryland. Compliance shall be achieved within the time provided in the regulations that establish these standards or prohibitions, even if this permit has not yet been modified to incorporate the requirement.

G. Oil and Hazardous Substances Prohibited.

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibility, liability, or penalties to which the permittee may be subject under the federal Clean Water Act or under the Annotated Code of Maryland.

H. Water Construction and Obstruction.

This permit does not authorize the construction or placing of physical structures, facilities, or debris, or the undertaking of related activities in any waters of the State.

I. Severability.

The provisions of this permit are severable. If any provisions of this permit shall be held invalid for any reason, the remaining provisions shall remain in full force and effect. If the application of any provision of this permit to any circumstances is held invalid, its application to other circumstances shall not be affected.

Part IX. AUTHORITY TO ISSUE GENERAL NPDES PERMITS.

On September 5, 1974, the Administrator of the U.S. Environmental Protection Agency approved the proposal submitted by the State of Maryland for the operation of a permit program for discharges into navigable waters pursuant to Section 402 of the Clean Water Act, 33 U.S.C. Section 1342.

On September 30, 1990, the Administrator of the U.S. Environmental Protection Agency approved the proposal submitted by the State of Maryland for the operation of a general permit program.

Under the approvals described above, this general discharge permit is both a State of Maryland general discharge permit and a NPDES general permit.



Horacio Tablada, Director
Land Management Administration

ATTACHMENT 1

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

The permittee is authorized to discharge treated petroleum hydrocarbon contaminated ground water to surface or ground waters of the State. Each point of discharge shall constitute an individual outfall which is subject to the below listed effluent limitations and monitoring requirements. Such discharge shall be monitored by the permittee and limited at a sampling port at the discharge of the treatment system as specified below:

| <u>EFFLUENT PARAMETERS</u> ⁽¹⁾ | <u>Analytical Method</u> | <u>EFFLUENT LIMITATIONS</u> | | <u>MONITORING REQUIREMENTS</u> | |
|---|--------------------------|-----------------------------|----------------------|--------------------------------|--------------------|
| | | <u>Concentrations</u> | | <u>Measurement Frequency</u> | <u>Sample Type</u> |
| | <u>prep/ test</u> | <u>Quarterly Average</u> | <u>Daily Maximum</u> | | |
| Flow (gpd) | | (2) | (2) | (5) | estimated |
| Total BTEX ⁽³⁾⁽⁴⁾ | 5030/ 8260 | (2) | 100 ppb | (5) | grab |
| Benzene ⁽⁴⁾ | 5030/ 8260 | (2) | 5 ppb | (5) | grab |
| Toluene ⁽⁴⁾ | 5030/ 8260 | (2) | (2) | (5) | grab |
| Ethylbenzene ⁽⁴⁾ | 5030/ 8260 | (2) | (2) | (5) | grab |
| Xylene ⁽⁴⁾ | 5030/ 8260 | (2) | (2) | (5) | grab |
| Naphthalene ⁽⁴⁾ | 5030/ 8260 | (2) | (2) | (5) | grab |
| MtBE ⁽⁴⁾ | 5030/ 8260 | (2) | (2) | (5) | grab |
| TPH | (6) / 8015B | (2) | 15 ppm | (5) | grab |

For discharges to surface waters, there shall be no discharge of floating solids or persistent foam in other than trace amounts. Persistent foam is foam that does not dissipate within one half-hour of point of discharge. Additionally, there shall be no visible petroleum sheen discharged to waters of the State.

- (1) Required effluent characteristics to be monitored for ground water contaminated with:
 - a. Gasoline: Flow, Total BTEX, Benzene, Toluene, Ethylbenzene, and Xylene.
 - b. Oil products other than gasoline: Flow, Naphthalene, and TPH.
 - c. Unknown or mixed sources of contamination: All listed effluent characteristics
- (2) Monitoring required without limits unless specified in permit.
- (3) Total BTEX is defined as the sum of the benzene, toluene, ethylbenzene, and xylene concentrations.
- (4) EPA test method 5030/ 8260 is required for all listed purgeable aromatic hydrocarbons and MtBE.
- (5) 1 sample per month (1/month) if treating 25,000 gallons or less per month
 1 sample every two weeks (2/month) if treating 25,001 - 500,000 gallons per month
 1 sample per week (4/month) if treating 500,001 gallons or more per month
- (6) TPH preparation method for GRO=5030; for DRO=3510 or 3520.

ATTACHMENT 1

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

The permittee is authorized to discharge treated petroleum hydrocarbon contaminated ground water to surface or ground waters of the State. Each point of discharge shall constitute an individual outfall which is subject to the below listed effluent limitations and monitoring requirements. Such discharge shall be monitored by the permittee and limited at a sampling port at the discharge of the treatment system as specified below.

| | <u>EFFLUENT PARAMETERS</u> (1) | | <u>EFFLUENT LIMITATIONS</u> | | <u>MONITORING REQUIREMENTS</u> | |
|-------------------|--------------------------------|-----------------------|-----------------------------|----------------------|--------------------------------|--------------------|
| | <u>Analytical Method</u> | <u>Concentrations</u> | <u>Quarterly Average</u> | <u>Daily Maximum</u> | <u>Measurement Frequency</u> | <u>Sample Type</u> |
| Flow (gpd) | | | (2) | (2) | (5) | estimated |
| Total BTEX (3)(4) | 5030/ 8260 | | (2) | 100 ppb | (5) | grab |
| Benzene (4) | 5030/ 8260 | | (2) | 5 ppb | (5) | grab |
| Toluene (4) | 5030/ 8260 | | (2) | (2) | (5) | grab |
| Ethylbenzene (4) | 5030/ 8260 | | (2) | (2) | (5) | grab |
| Xylene (4) | 5030/ 8260 | | (2) | (2) | (5) | grab |
| Naphthalene (4) | 5030/ 8260 | | (2) | (2) | (5) | grab |
| MtBE (4) | 5030/ 8260 | | (2) | (2) | (5) | grab |
| TPH | (6) / 8015B | | (2) | 15 ppm | (5) | grab |

For discharges to surface waters, there shall be no discharge of floating solids or persistent foam in other than trace amounts. Persistent foam is foam that does not dissipate within one half-hour of point of discharge. Additionally, there shall be no visible petroleum sheen discharged to waters of the State.

- (1) Required effluent characteristics to be monitored for ground water contaminated with:
 - a. Gasoline: Flow, Total BTEX, Benzene, Toluene, Ethylbenzene, and Xylene.
 - b. Oil products other than gasoline: Flow, Naphthalene, and TPH.
 - c. Unknown or mixed sources of contamination: All listed effluent characteristics
- (2) Monitoring required without limits unless specified in permit.
- (3) Total BTEX is defined as the sum of the benzene, toluene, ethylbenzene, and xylene concentrations.
- (4) EPA test method 5030/ 8260 is required for all listed purgeable aromatic hydrocarbons and MtBE.
 - 1 sample per month (1/month) if treating 25,000 gallons or less per month
 - 1 sample every two weeks (2/month) if treating 25,001 - 500,000 gallons per month
 - 1 sample per week (4/month) if treating 500,001 gallons or more per month
- (6) TPH preparation method for GRO=5030; for DRO=3510 or 3520.

PERMITTEE NAME / ADDRESS (include Facility Name / Location if different)

Name Drake Petroleum Company, Inc.
Address 221 Quinebaug Road
 North Grosvendale, Connecticut 06255

Facility Bel Air Xtra Fuels
Location 2476 Churchville Road
 Bel Air, Maryland 21015

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

| | |
|-------------------|------------------|
| MDG918082 | 001 |
| PERMIT NUMBER | DISCHARGE NUMBER |
| MONITORING PERIOD | |
| YEAR MO DAY | YEAR MO DAY |
| FROM | TO |

Form Approved.
 OMB No. 2040-0004

Check here for no discharge.

NOTE: Read instructions before completing this form.

| PARAMETER | QUANTITY OR LOADING | | QUANTITY OR CONCENTRATION | | NO. EX | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|--|----------------------|--|---------------------------|----------------------|--------|-----------------------|-------------|
| | AVERAGE | MAXIMUM | MINIMUM | AVERAGE | | | |
| METHYL TERT BUTYL ETHER 22417 1 0 0 EFFLUENT GROSS VALUE | XXXXXXXXXXXXXXXXXXXX | XXXXXXXXXXXXXXXXXXXX | XXXXXXXXXXXXXXXXXXXX | REPORT QUARTERLY AVG | | 1/30 | GRAB |
| | | | | REPORT DAILY MAX. | | | |
| PETROLEUM HYDROCARBONS TOTAL RECOVERABLE 45501 1 0 0 EFFLUENT GROSS VALUE | XXXXXXXXXXXXXXXXXXXX | XXXXXXXXXXXXXXXXXXXX | XXXXXXXXXXXXXXXXXXXX | REPORT QUARTERLY AVG | | 1/30 | GRAB |
| | | | | 15 | | | |
| BENZENE 34030 1 0 0 EFFLUENT GROSS VALUE | XXXXXXXXXXXXXXXXXXXX | XXXXXXXXXXXXXXXXXXXX | XXXXXXXXXXXXXXXXXXXX | REPORT QUARTERLY AVG | | 1/30 | GRAB |
| | | | | 5 | | | |
| TOLUENE 34010 1 0 0 EFFLUENT GROSS VALUE | XXXXXXXXXXXXXXXXXXXX | XXXXXXXXXXXXXXXXXXXX | XXXXXXXXXXXXXXXXXXXX | REPORT QUARTERLY AVG | | 1/30 | GRAB |
| | | | | REPORT DAILY MAX. | | | |
| ETHYL BENZENE 37371 1 0 0 EFFLUENT GROSS VALUE | XXXXXXXXXXXXXXXXXXXX | XXXXXXXXXXXXXXXXXXXX | XXXXXXXXXXXXXXXXXXXX | REPORT QUARTERLY AVG | | 1/30 | GRAB |
| | | | | REPORT DAILY MAX. | | | |
| XYLENE 81551 1 0 0 EFFLUENT GROSS VALUE | XXXXXXXXXXXXXXXXXXXX | XXXXXXXXXXXXXXXXXXXX | XXXXXXXXXXXXXXXXXXXX | REPORT QUARTERLY AVG | | 1/30 | GRAB |
| | | | | REPORT DAILY MAX. | | | |
| NAME / TITLE PRINCIPAL EXECUTIVE OFFICER | | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | | TELEPHONE | | DATE | |
| TYPED OR PRINTED | | | | (AREA CODE) NUMBER | | YEAR MO DAY | |

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY PERSONAL KNOWLEDGE AND 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. §1001 AND 33 U.S.C. §1319 (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years)

PERMITTEE NAME / ADDRESS (Include Facility Name / Location if different)

Name Drake Petroleum Company, Inc.
 Address 221 Quinebaug Road
 North Grosvenordale, Connecticut 06255

Facility Bel Air Xtra Fuels
 Location 2476 Churchville Road
 Bel Air, Maryland 21015

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)

MDG918082
 PERMIT NUMBER

001
 DISCHARGE NUMBER

MONITORING PERIOD

| | | | | | | |
|------|----|-----|----|------|----|-----|
| YEAR | MO | DAY | TO | YEAR | MO | DAY |
| | | | | | | |

FROM

Form Approved
 OMB No. 2040-0004

Check here for no discharge.

NOTE: Read instructions before completing this form.

| PARAMETER | SAMPLE MEASUREMENT PERMIT REQUIREMENT | QUANTITY OR LOADING | | | QUANTITY OR CONCENTRATION | | | NO. EX | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---------------------------------------|--------------------------|----------------------|-------|---------------------------|----------------------|-------------------|--|-----------------------|-------------|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | | | |
| BENZENE, TOLUENE ETHYL BENZENE, XYLENE (BTEX) COMBINED 30383 1 0 0 EFFLUENT GROSS VALUE | SAMPLE MEASUREMENT PERMIT REQUIREMENT | XXXXXXXXXXXXXXXXXX | XXXXXXXXXXXXXXXXXX | | XXXXXXXXXXXXXXXXXX | REPORT QUARTERLY AVG | 100 | µg/l | 1/30 | GRAB |
| | SAMPLE MEASUREMENT PERMIT REQUIREMENT | XXXXXXXXXXXXXXXXXX | XXXXXXXXXXXXXXXXXX | | XXXXXXXXXXXXXXXXXX | REPORT QUARTERLY AVG | REPORT DAILY MAX. | µg/l | 1/30 | GRAB |
| FLOW, IN CONDUIT OR THROUGH TREATMENT PLANT 50050 1 0 0 | SAMPLE MEASUREMENT PERMIT REQUIREMENT | REPORT QUARTERLY AVERAGE | REPORT DAILY MAXIMUM | gpd | XXXXXXXXXXXXXXXXXX | | XXXXXXXXXXXX | | 1/30 | ESTIMATE |
| | SAMPLE MEASUREMENT PERMIT REQUIREMENT | | | | | | | | | |
| NAME / TITLE PRINCIPAL EXECUTIVE OFFICER | SAMPLE MEASUREMENT PERMIT REQUIREMENT | | | | | | | | | |
| | SAMPLE MEASUREMENT PERMIT REQUIREMENT | | | | | | | | | |
| TYPED OR PRINTED | | | | | | | | TELEPHONE | | DATE |
| | | | | | | | | (AREA CODE) NUMBER | | YEAR |
| | | | | | | | | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | | MO |
| | | | | | | | | | | DAY |

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. 1001 AND 33 U.S.C. 1319 (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years)

Name EXAMPLE COMPANY
Address

Facility EXAMPLE SERVICE STATION
Location

MDG91XXXX
PERMIT NUMBER

001
DISCHARGE NUMBER

| MONITORING PERIOD | | | | | | | |
|-------------------|------|----|-----|----|------|----|-----|
| FROM | YEAR | MO | DAY | TO | YEAR | MO | DAY |
| | 07 | 04 | 01 | | 07 | 06 | 30 |

Check here for no discharge.

NOTE: Read instructions before completing this form

Form Approved
OMB No 2040-0004
Approval expires 9-30-85

| PARAMETER | QUANTITY OR LOADING | | QUALITY OR CONCENTRATION | | | | NO EX | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|--|--------------------------|--|--------------------------|--------------------------|----------------------|----------------|-------|-----------------------|-------------|
| | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | | | |
| BENZENE, TOLUENE, ETHYL BENZENE, XYLENE (BTEX) COMBINED 30383 1 0 0 EFFLUENT GROSS VALUE | XXXXXXXXXXXXXXXXXX | XXXXXXXXXXXXXXXXXX | | | | 18 | | | |
| | 50 | 100 | gpd | REPORT QUARTERLY AVERAGE | REPORT QUARTERLY AVG | 100 | µg/l | 1/30 | GRAB |
| FLOW IN CONDUIT OR THROUGH TREATMENT PLANT 50050 1 0 0 | REPORT QUARTERLY AVERAGE | REPORT DAILY MAXIMUM | | | | | | | |
| | XXXXXXXXXXXXXXXXXX | XXXXXXXXXXXXXXXXXX | | | | 10 | | | |
| PETROLEUM HYDROCARBONS 45501 1 0 0 EFFLUENT GROSS VALUE | XXXXXXXXXXXXXXXXXX | XXXXXXXXXXXXXXXXXX | | | | | | | |
| | REPORT QUARTERLY AVERAGE | REPORT QUARTERLY AVERAGE | | | | 15 | mg/l | 1/30 | GRAB |
| I SIGN, VP OPERATIONS | SAMPLE MEASUREMENT | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | |
| I SIGN, VP OPERATIONS | SAMPLE MEASUREMENT | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | |
| I SIGN, VP OPERATIONS | SAMPLE MEASUREMENT | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | |
| NAME TITLE PRINCIPAL EXECUTIVE OFFICER | | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | | I SIGN | | NUMBER | | DATE | |
| | | | | | | (410) 555-5555 | | 07 01 15 | |
| TYPED OR PRINTED | | | | | | | | | |
| I SIGN, VP OPERATIONS | | | | | | | | | |

SAMPLE

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. 1001 AND 33 U.S.C. 1319 (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years)

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

MARYLAND DEPARTMENT OF THE ENVIRONMENT

1800 Washington Boulevard • Suite 620 • Baltimore, Maryland 21230-1719

410-537-3442 • 800-633-6101 x3442 • <http://www.mde.state.md.us>

Waste Management Administration • Oil Control Program

Removed Substances Reporting Form

INSTRUCTIONS: Use this form to report the disposal of substances resulting from (1) treatment of wastewaters and (2) related manufacturing processes as required by the State of Maryland "Water Quality and Water Pollution Control Regulations," COMAR 26.08.01. Use a separate form for each waste, which is disposed of in a different manner. If several wastes are mixed before disposal, each waste must be separately described regardless of the quantity. Note: Submission of this form does not replace annual reporting of hazardous wastes are required by State of Maryland Regulation "Disposal of Controlled Hazardous Substances." COMAR 26.13.01

1. Discharge Permit Number: _____
 2. Name of Facility: _____
 3. Facility Mailing Address: _____

 4. Location of Facility (if different from Item 3): _____

 5. Facility Contact: _____
 6. Describe the nature of the removed substance (waste oil, sludge, etc.): _____

 7. DESCRIBE the treatment process or the manufacturing process that generated the Removed Substance (precipitation, settling, etc.)

 8. Describe the precise character of the Removed Substance (liquid, solid, sludge, etc.):

- If sludge, what percent solids? _____
- Is a chemical analysis attached? ____ Yes ____ No

9. QUANTITY of Removed Substance _____ Measured _____ Estimated _____
 Liquids: Average gallons/week _____ Maximum gallons/week _____
 Solids or Sludges: Average tons/week _____ Maximum tons/week _____
10. MEANS OF DISPOSAL: _____ On-site (at facility location) _____ Off-Site
11. WASTE HAULER (Name) _____
 (Address) _____
12. DISPOSAL SITE (If not facility location) _____

13. OTHER. Explain substances. (If wastes are stored on site, describe method of storage, type of container, storage area, pretreatment, etc.)

14. MAP. Attach a copy of a U.S.G.S. 7 1/2 minute quadrangle map (or equivalent) showing the disposal or storage site. The map must show all water courses within 1/2 mile of the site.
15. CERTIFICATION. I hereby certify that the information on this form and the attachments is true and accurate to the best of my knowledge and belief.

 Signature of Permittee of Agent

 Date

Send to: Department of the Environment, Waste Management Administration
 Oil Control Program, 1800 Washington Boulevard, Suite 620, Baltimore MD 21230

Significant Noncompliance Criteria (SNC) for National Pollutant Discharge Elimination System Violations

I. Effluent Violations of Daily Maximum Limits

- a. A 40% exceedance of any daily maximum limit listed in Table 1 for any two or more months during two consecutive Discharge Monitoring Reporting (DMR) periods is **SNC**.
- b. Violations of any daily maximum effluent limit by any amount for any four or more months during two consecutive Discharge Monitoring Reporting (DMR) periods is **SNC**.

Table 1

| <u>Pollutant</u> | <u>Daily Maximum</u> | <u>SNC 40% exceedance</u> |
|---------------------------|----------------------|---------------------------|
| MTBE | (1) | |
| TBA | (1) | |
| Total BTEX ⁽³⁾ | 100 ppb | 140ppb |
| Benzene | 5 ppb | 7ppb |
| TPH | 15 ppm | 21ppm |
| Toluene | (2) | |
| Ethylbenzene | (2) | |
| Xylene | (2) | |
| Naphthalene | (2) | |
| Flow (gpd) | (2) | |

- (1) MTBE, TBA: (when directed by the Department)
- (2) Monitoring required without limits
- (3) Total BTEX is defined as the sum of the benzene, toluene, ethylbenzene, and xylene concentrations.

- c. Exceedance of 10 times or greater of the Daily Maximum Limits in any one month, regardless of the volume discharged is **SNC**.

II. Other Effluent Violations

Any effluent violation that causes or has the potential to cause a water quality or human health problem is **SNC**.

III. Non-Effluent Violations

Any unauthorized bypass, unpermitted discharge, or pass through of pollutants which causes or has the potential to cause a water quality problem (e.g., fish kills, oil sheens) or health problems is **SNC**.

IV. Reporting Violations

(DMRs) Discharge Monitoring Reports, **including** a final DMR in which a discharge permit expires, or is canceled, that are not submitted at all or are submitted 30 or more days late are **SNC**. Laboratory analyses shall accompany all DMRs.

DMR Reporting Dates

| <u>Quarter</u> | <u>Months Reporting</u> | <u>Due Date</u> |
|----------------|-------------------------|-----------------|
| 1 | 01/01 - 03/31 | 04/30 |
| 2 | 04/01 - 06/30 | 07/31 |
| 3 | 07/01 - 09/30 | 10/31 |
| 4 | 10/01 - 12/31 | 01/31 |

DMR mailing address Maryland Department of the Environment-Oil Control Program
1800 Washington Boulevard, Suite 620
Baltimore MD 21230-1719

Significant Noncompliance Criteria (SNC) for National Pollutant Discharge Elimination System Violations may be subject to an Administrative Action. Questions: Please call the Permits Section, Oil Control Program, 410-537-3442


MARYLAND DEPARTMENT OF THE ENVIRONMENT

1800 Washington Boulevard • Baltimore MD 21230

410-537-3000 • 1-800-633-6101 • www.mde.state.md.us

 Martin J. O'Malley
 Governor

 Robert M. Summers, Ph.D.
 Secretary

 Anthony G. Brown
 Lt. Governor

July 24, 2012

 Mr. Eric Harvey
 Drake Petroleum Company, Inc.
 221 Quinebaug Road
 N. Grosvenordale, CT 06255

Dear Mr. Harvey:

The Department has received your completed Request for Coverage form and fee for an Air Quality General Permit to Construct for Soil Vapor Extraction & Groundwater Air Stripping Equipment for the following location:

| | | |
|-----------------|--|--|
| Source Name: | Bel Air Xtra Fuels | |
| Street Address: | 2476 Churchville Road Bel Air, MD 21015 | |
| County: | Harford | |
| I.D. No.: | 025-9-0439 | Air Stripper PLC 3602-50 |
| | 025-9-0440 | Soil Vapor Extraction Sutorbilt 3LP Blower |

The permit is effective as stated in Part IV(B) of the General Permit. The cancelled check or other receipt, a copy of the Request for Coverage, the permit document, this letter, and any other supporting documents should be retained on site.

If you have any questions, please call John W. Scherer Jr. at 410-537-3230.

Sincerely,

 Karen Irons, P.E., Administrator
 Air Quality Permits Program
 Air And Radiation Management Administration

KI/jws

cc: Harford County Health Department