

# NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Air Resources, Region 2  
47-40 21st Street, Long Island City, NY 11101  
P: (718) 482-4944 | F: (718) 482-4872  
www.dec.ny.gov

August 19, 2015

Brent O'Dell, P.E.  
AMEC Environment & Infrastructure  
200 American Metro Blvd, Ste 113  
Hamilton, NJ 08619

Dear Mr. O'Dell:

We have reviewed the application for Air Facility Registration for the Review Avenue Development Sites. This project is exempt from Air permitting under Part 201-3(c)(29).

Yours truly,



Alexander R Becker  
Environmental Engineer 1  
Division of Air Resources



**PBS Number**  
**2-612454**

New York State Department of Environmental Conservation  
**PETROLEUM BULK STORAGE CERTIFICATE**  
625 Broadway, 11th Floor, Albany, NY 12233-7020 Phone: 518-402-9553

Region 2 NYSDEC - PBS Unit  
47-40 21st Street, 1st Floor  
Long Island City, NY 11101-5407  
(718) 482-6454

<u>TANK NUMBER</u>	<u>TANK LOCATION</u>	<u>DATE INSTALLED</u>	<u>TANK TYPE</u>	<u>PRODUCT STORED</u>	<u>CAPACITY (GALLONS)</u>	<u>DATE LAST TESTED</u>	<u>TESTING DUE DATE</u>
T-0001	Aboveground - No Contact (on saddles, legs, rack, cradle, etc.)	08/25/2015	Steel/Carbon Steel/Iron	waste oil/used oil	6,000		*
T-002	Aboveground - No Contact (on saddles, legs, rack, cradle, etc.)	08/25/2015	Steel/Carbon Steel/Iron	waste oil/used oil	6,000		*

\* Aboveground tanks require monthly visual inspections and may need documented internal inspections as described in 6 NYCRR Part 613

**SITE:**  
REVIEW AVENUE DEVELOPMENT SITES  
37-80 REVIEW AVENUE  
LONG ISLAND CITY, NY 11101

**FACILITY OWNER:**  
37-80 REVIEW REALTY LLC  
80 LEXINGTON AVENUE  
NEW YORK, NY 10168

**Tank Owner Name:**  
REVIEW AVENUE SYSTEM LLC

**Facility Phone Number**  
(917) 832-6303

**Class B (Daily On-Site) Operator:** AMEC FW  
**Class A (Primary) Operator:** REVIEW AVENUE SYSTEM LLC  
**Emergency Contact Name:** BRENT O'DELL  
**Emergency Contact Phone Number:** (908) 285-1769

**MAILING CORRESPONDENCE:**

CRAIG COSLETT  
REVIEW AVENUE SYSTEM LLC  
% DE MAXIMIS INC  
1550 POND ROAD, SUITE 120  
ALLENTOWN, PA 18104

**ISSUED BY:** Acting Commissioner  
Marc Gerstman  
**PBS NUMBER:** 2-612454  
**DATE ISSUED:** 08/27/2015  
**EXPIRATION DATE:** 08/27/2020  
**FEE PAID:** \$0.00

As an authorized representative of the above named facility, I affirm under penalty of perjury that the information displayed on this form is correct to the best of my knowledge. Additionally, I recognize that I am responsible for assuring that this facility is in compliance with all sections of 6 NYCRR Parts 612, 613 and 614, and applicable sections of 6 NYCRR Subpart 374-2 (used oil tanks only), not just those cited below:

- The facility must be re-registered if there is a transfer of ownership.
- The Department must be notified within 30 days prior to adding, replacing, reconditioning, or permanently closing a stationary tank.
- The facility must be operated in accordance with the code for storing petroleum, 6NYCRR Part 613.
- Any new facility or substantially modified facility must comply with 6NYCRR Part 614.
- **This certificate must be signed and posted on the premises at all times.** Posting must be at the tank, at the entrance of the facility, or the main office where the storage tanks are located.
- Any person with knowledge of a spill, leak or discharge must report the incident to DEC within two hours (1-800-457-7362).

Signature of Representative/Owner

Date

*[Signature]*  
for and on behalf of Review Ave Systems LLC  
Name and Title of Authorized Representative/Owner (Please Print)



**PBS # :**  
**2-612454**

**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION**  
**Petroleum Bulk Storage Program**  
**Facility Information Report**

Printed : 8/27/2015

pbsfacrpt\_foil.rpt

Site Information

Tax Map Information

Site Owner Information

Mail Correspondent Information

REVIEW AVENUE DEVELOPMENT SITE! Borough/Section:  
37-80 REVIEW AVENUE Block:  
LONG ISLAND CITY, NY 11101 Lot:

37-80 REVIEW REALTY LLC  
80 LEXINGTON AVENUE  
NEW YORK, NY 10168

REVIEW AVENUE SYSTEM LLC  
% DE MAXIMIS INC  
1550 POND ROAD, SUITE 120  
ALLENTOWN, PA 18104

Site Phone: (917) 832-6303

(212) 661-0858

Owner Type : Corporate/Commercial/Other

ATTN: CRAIG COSLETT

Town: New York City County: Queens

(610) 435-1151

Class B (On-Site) Operator: AMEC FW

Authorized Representative:

Class A (Primary) Operator: REVIEW AVENUE SYSTEM LLC

Emergency Phone: (908) 285-1769

Emergency Contact: BRENT O'DELL

Site Status : Active

Reg Expires : 08/27/2020 Cert Printed:

Total Active Tanks : 2

Last Inspected:

Site Type: Other

Cert Issued: 08/27/2015

Total Active Capacity : 12,000

Inspected By:

(2) Tank No	(3) Tank Loc	(4) Status	(5) Date Instal	(5) Date Closed	(6) Capacity (gals)	(7) Product	(8) Tank Type	(9) Tank IP	(10) Tank EP	(11) Tank SC	(12) Tank LD	(13) Tank OP	(14) Tank SP	(15) Tank Disp	(16) Pipe Loc	(17) Pipe Type	(18) Pipe EP	(19) Pipe SC	(20) Pipe LD	(21) UDC	Last Test Date	Next Test Date	Tank Owner
T-0001	3	1	08/25/2015		6,000	0022	01	00	09	01	99	02	03	00	00	01	01	09	00	99			REVIEW AVENUE
T-002	3	1	08/25/2015		6,000	0022	01	00	09	01	99	02	03	00	00	01	01	09	00	99			REVIEW AVENUE

(See Reverse Side or Last Page for Code Keys)



**PBS # :**  
**2-612454**

**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION**  
**Petroleum Bulk Storage Program**  
**Facility Information Report**

Printed : 8/27/2015

pbsfacrpt\_foil.rpt

**PETROLEUM BULK STORAGE APPLICATION - SECTION B - TANK INFORMATION - CODE KEYS**

<p><b><u>Action (1)</u></b></p> <p>1. Initial Listing 2. Add Tank 3. Close/Remove Tank 4. Information Correction 5. Recondition/Repair/Reline Tank</p> <p><b><u>Tank Location (3)</u></b></p> <p>1. Aboveground-contact w/soil 2. Aboveground-contact w/ impervious barrier 3. Aboveground on saddles, leggs, stilts, rack or cradle 4. Aboveground with 10% or more below ground 5. Underground 6. Aboveground in Subterranean Vault w/access for inspections</p> <p><b><u>Status (4)</u></b></p> <p>1. In-service 2. Temporarily out-of-service 3. Closed-Removed 4. Closed- In Place 5. Tank converted to Non-Regulated use</p> <p><b><u>Products Stored (7)</u></b> <b><u>Heating Oils: On-Site Consumption</u></b></p> <p>0001. #2 Fuel Oil 0002. #4 Fuel Oil 0259. #5 Fuel Oil 0003. #6 Fuel Oil 0012. Kerosene 0591. Clarified Oil 2711. Biodiesel (Heating) 2642. Used Oil (Heating) <b><u>Heating Oils: Resale/Redistribution</u></b></p> <p>2718. #2 Fuel Oil 2719. #4 Fuel Oil 2720. #5 Fuel Oil 2721. #6 Fuel Oil 2722. Kerosene 2723. Clarified Oil 2724. Biodiesel (Heating)</p>	<p><b><u>Motor Fuels</u></b></p> <p>0009. Gasoline 2712. Gasoline/Ethanol 0008. Diesel 2710. Biodiesel 0011. Jet Fuel 1044. Jer Fuel (Biofuel) 2641. Aviation Gasoline</p> <p><b><u>Lubricating/Cutting Oils</u></b></p> <p>0013. Lube Oil 0015. Motor Oil 1045. Gear/Spindle Oil 0010. Hydraulic Oil 0007. Cutting Oil 0021. Transmission Fluid 1836. Turbine Oil</p> <p><b><u>Oils Used as Building Materials</u></b></p> <p>2626. Asphaltic Emulsions 0748 Form Oil</p> <p><b><u>Petroleum Spirits</u></b></p> <p>0014. White/Mineral Spirits 1731 Naphtha</p> <p><b><u>Mineral/Insulating Oils</u></b></p> <p>0020. Insulating Oil (e.g., Transformer, Cable Oil) 2630. Mineral Oil</p> <p><b><u>Waste/Used/Other Oils</u></b></p> <p>0022 Waste/Used Oil 9999 Other-Please list *</p> <p><b><u>Crude Oil</u></b></p> <p>0006. Crude Oil 0701 Crude Oil Fractions</p> <p><b><u>Tank Type (8)</u></b></p> <p>01. Steel/Carbon Steel/Iron 02. Galvanized Steel Alloy 03. Stainless Steel Alloy 04. Fiberglass Coated Steel 05. Steel Tank in Concrete 06. Fiberglass Reinforced Plastic (FRP) 07. Plastic 08. Equivalent Technology 09. Concrete 10. Urethane Clad Steel 99. Other-Please list.*</p>	<p><b><u>Internal Protection (9)</u></b></p> <p>00. None 01 Epoxy Liner 02. Rubber Liner 03. Fiberglass Liner (FRP) 04. Glass Liner 99. Other-Please list.*</p> <p><b><u>External Protection (10/18)</u></b></p> <p>00. None 01. Painted/Asphalt Coating 02. Original Sacrificial Anode 03. Original Impressed Current 04. Fiberglass 05. Jacketed 06. Wrapped (Piping) 07 Retrofitted Sacrificial Anode 08. Retrofitted Impressed Current 09. Urethane 99. Other-Please list.*</p> <p><b><u>Tank Secondary Containment (11)</u></b></p> <p>00. None 01. Diking (Aboveground Only) 02. Vault (w/access) 03. Vault (w/o access) 04. Double-Walled (Underground Only) 05. Synthetic Liner 06. Remote Impounding Area 07. Excavation Liner 09. Modified Double-Walled (Aboveground Only) 10. Impervious Underlayment (Aboveground Only)** 11. Double Bottom (Aboveground Only)** 12. Double-Walled (Aboveground</p> <p><b><u>Tank Leak Detection (12)</u></b></p> <p>00. None 01. Interstitial Electronic Monitoring 02. Interstitial Manual Monitoring 03. Vapor Well 04. Groundwater Well 05. In-Tank System (Auto Tank Gauge) 06. Impervious Barrier/Concrete Pad (Aboveground Only)</p>	<p><b><u>Overfill Protection (13)</u></b></p> <p>00. None 01. Float Vent Valve 02. High Level Alarm 03. Automatic Shut-Off 04. Product Level Gauge (Aboveground Only) 05. Vent Whistle 99. Other-Please list.*</p> <p><b><u>Spill Prevention (14)</u></b></p> <p>00. None 01. Catch Basin 99. Other-Please list.*</p> <p><b><u>Pumping/Dispensing Method (15)</u></b></p> <p>00. None 01. Presurized Dispenser 02. Suction Dispenser 03. Gravity 04. On-Site Heating System (Suction) 05. On-Site Heating System (Supply/Return) 06. Tank-Mounted Dispenser 07 Loading Rack/Transfer Pump</p> <p><b><u>Piping Location (16)</u></b></p> <p>00. No Piping 01. Aboveground 02. Underground/On-ground 03. Aboveground/Underground Combination</p> <p><b><u>Piping Type (17)</u></b></p> <p>00. None 01. Steel/Carbon Steel/Iron 02. Galvanized Steel 03. Stainless Steel Alloy 04. Fiberglass Coated Steel 05. Steel Encased in Concrete 06. Fiberglass Reinforced Plastic (FRP) 07. Plastic 08. Equivalent Technology 09. Concrete 10. Copper 11. Flexible Piping 99 Other-Please list.*</p>	<p><b><u>Piping Secondary Containment (19)</u></b></p> <p>00. None 01. Diking (Aboveground Only) 02. Vault (w/access) 04. Double-Walled (Underground Only) 06. Remote Impounding Area 07. Trench Liner 12. Double-Walled (Aboveground Only)</p> <p><b><u>Pipe Leak Detection (20)</u></b></p> <p>00. None 01. Interstitial Electronic Monitoring 02. Interstitial Manual Monitoring 03. Vapor Well 04. Groundwater Well 07. Pressurized Piping Leak Detector 09. Exempt Suction Piping 99. Other-Please list.*</p> <p><b><u>Under Dispenser Containment (UDC) (21)</u></b></p> <p>Check Box if Present</p> <p>-----</p> <p>* If other, please list on a separate sheet including tank number</p> <p>** Each of these codes must be combined with code 01 or 06 to meet compliance requirements</p>
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## Kessler, Timothy

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**From:** Davidson, Brian (DEC) [brian.davidson@dec.ny.gov]  
**Sent:** Thursday, July 17, 2014 3:55 PM  
**To:** Kessler, Timothy  
**Cc:** Craig Coslett; Mikula, William J; Soni, Upendra; Weber, William J.; ODell, Brent C  
**Subject:** RE: Review Avenue Groundwater Remediation RAD I Site #C241089 & RAD II Site #C241005

Tim,

I spoke to NYSDEC Region 2 permits. As you are aware the issuance of a permit is not necessary since this work is being done under the Brownfield Cleanup Agreement. The NYSDEC Regional office has no comments on your Erosion and Sediment Control plan, and they are not going to issue any permit conditions. Compliance with all best storm water control, erosion, and sediment control practices is your responsibility, so you have approval to proceed.

Brian

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**From:** Kessler, Timothy <Timothy.Kessler@amec.com>  
**Sent:** Thursday, July 17, 2014 11:28 AM  
**To:** Davidson, Brian (DEC)  
**Cc:** Craig Coslett; william.mikula@amec.com; Soni, Upendra; Weber, William J.; ODell, Brent C  
**Subject:** FW: Review Avenue Groundwater Remediation RAD I Site #C241089 & RAD II Site #C241005

Hi Brian

With respect to the ESC Plan we submitted to NYSDEC Region 2 for the Review Avenue site on 6/16/14, currently we have not received any comments or permit conditions back from Region 2 associated with this informational submittal. As per our conversation in June, have you been able to make contact with Region 2 to follow-up on this submission?

Also, as we understand this submission will not result in an actual permit (but is simply intended to ensure we are substantively complying with the appropriate requirements), our understanding is that we are also exempt from obtaining the associated NYSDEC RFA/General Stormwater Permit and Multi-Sector General Stormwater Permits – please advise if our understanding is incorrect.

Thks, Tim K

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**From:** Kessler, Timothy  
**Sent:** Monday, June 23, 2014 11:19 AM  
**To:** 'Brian Davidson'  
**Cc:** Craig Coslett; Soni, Upendra; Mikula, William J; Weber, William J.  
**Subject:** RE: Review Avenue Groundwater Remediation RAD I Site #C241089 & RAD II Site #C241005

Brian

Per your request, wanted to notify you that on 6/18/14 AMEC submitted our ESC Plan and associated cover letter to John Cryan @ NYSDEC Region 2 for the Review Avenue site. A copy of this submission has been attached for your reference.

Regards, Tim K

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**From:** Brian Davidson [<mailto:bhdavids@gw.dec.state.ny.us>]  
**Sent:** Monday, June 09, 2014 9:01 AM  
**To:** Kessler, Timothy  
**Cc:** Craig Coslett; Soni, Upendra; Mikula, William J; Weber, William J.  
**Subject:** Re: Review Avenue Groundwater Remediation RAD I Site #C241089 & RAD II Site #C241005

There are no permit fees or actual NYSDEC permits required for this project since the work is being done under a Brownfield cleanup agreement with the NYSDEC. We do, however need to substantively comply with permit requirements so I will find out who in NYSDEC Region 2 would review your ESCP and get back to you on that although I believe you would put together the application and send it to NYSDEC Region 2 permits. Permits ( they used to called regulatory affairs but I think now they are called environmental permits or something like that) tracks the permit and provides it to the appropriate NYSDEC program for review. Your ESCP application should just clearly indicate that this work is being done under a Brownfield Cleanup agreement and include my name, but no actual permit is required but you need the permit conditions. I'm not aware of a permit requirement for drilling the recovery wells.

>>> "Kessler, Timothy" <[Timothy.Kessler@amec.com](mailto:Timothy.Kessler@amec.com)> 6/6/2014 5:27 PM >>>  
Hi Brian,

Regarding the Review Ave. Groundwater Remediation site in Long Island City, NY , we are hoping you can help us with a couple of items as follows:

1. With respect to submitting our Erosion & Sediment Control Plan (ESCP) to NYSDEC as required for groundwater remediation system construction, our permitting team is having difficulty with identifying the proper permit fee and contact information at NYSDEC Region 2 for this submission. Any contact information you can provide at the Region 2 office would be appreciated.
2. With respect to well drilling permits for the 68 recovery wells to be installed in accordance with the approved RAWP, we understand there may be an exemption from obtaining New York State Permits as outlined in DER-10 Technical Guidance for Site Investigation and Remediation Para. 1.10, 3 as the activity is a component of the remedial program. Please let us know if you believe this is the case and what the path forward is as this may be an option worth pursuing.

Thank you in advance for your assistance

Tim K

**Timothy C. Kessler, P.E.**  
**Senior Associate Engineer/Project Manager**  
P.E. in New Jersey, Pennsylvania and Rhode Island



**AMEC Environment & Infrastructure, Inc.**  
200 American Metro Boulevard - Suite 113  
Hamilton, New Jersey 08619 USA

e-mail: [timothy.kessler@amec.com](mailto:timothy.kessler@amec.com)

Phone: 609.689.2829 \* Direct: 609.631.2927 \* Call for Fax

Cell: 215.704.6592

**Visit us at [www.amec.com](http://www.amec.com)**

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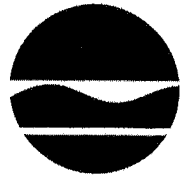
**New York State Department of Environmental Conservation**

**Division of Environmental Permits, Region 2**

47-40 21<sup>ST</sup> Street, Long Island City, NY 11101-5407

Phone: (718) 482-4997 • FAX: (718) 482-4975

Website: [www.dec.ny.gov](http://www.dec.ny.gov)



Joe Martens  
Commissioner



October 24, 2014

**AMEC Environment & Infrastructure, Inc.**  
200 American Metro Blvd. Suite 113  
Hamilton, NJ 08619

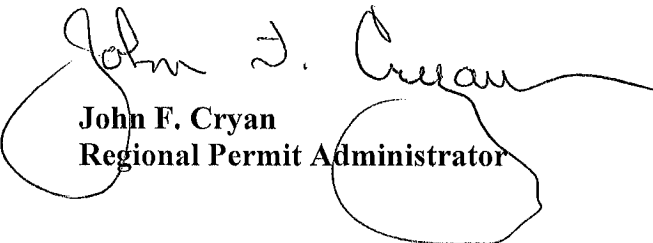
**Re: DEC Wetlands Jurisdictional Determination No. 63-8192**  
**Block: 312, Lot(s): 41, 69**  
**LIC, NY**

Dear William J. Mikula:

The property referenced above is not within the jurisdiction of DEC under the Freshwater Wetlands Act (Article 24 of the Environmental Conservation Law) or the Tidal Wetlands Act (Article 25 of the Environmental Conservation Law). Therefore, a DEC tidal wetlands or freshwater wetlands permit is not required to alter or develop this property.

If you have further questions, please call this office at the above telephone number.

Very truly yours,

  
**John F. Cryan**  
Regional Permit Administrator





October 8, 2014

AMEC Environment & Infrastructure, Inc.  
200 American Metro Boulevard, Suite 113  
Hamilton, NJ 08619  
**Attn: Brent C. O'Dell, P.E.**

**Emily Lloyd**  
*Commissioner*

**Re: Groundwater Discharge, Review Avenue Development Sites,  
Queens, File # C-5652**

**Vincent Sapienza, P.E.**  
*Deputy Commissioner*

Dear Mr. O'Dell:

**Bureau of Wastewater  
Treatment**  
96-05 Horace Harding  
Expressway – 2<sup>nd</sup> Floor  
Corona, NY 11368

This is in response to the June 28, 2012 and May 17, June 24, July 1, and September 24, 2014 submissions requesting permission to discharge up to **36,000 gallons per day (gpd)** of groundwater generated during the remediation located at 37-30 and 37-80 Review Avenue in Queens, NY 11101 (New York State Department of Environmental Conservation Brownfield Cleanup Program Site Nos. C241089 and C241005, respectively). The groundwater will be treated through one 500 gallon pre-separation/eq chamber (with the addition of biocide before chamber and emulsification breaker after chamber), one 40 gpm oil/water separator, two 50-micron bag filter units, two 10-micron bag filter units, and two 1,000 lb carbon units, per provided schematic and information, before discharging to a 6" site connection. The site connection leads to the 12" combined sewer located at Review Avenue between 37<sup>th</sup> Street and Railroad Avenue in Queens, NY.

Tel. (718) 595-4906  
Fax (718) 595-6950  
vsapienza@dep.nyc.gov

Based upon the information, schematic and analytical data submitted, you are hereby conditionally authorized, to discharge up to 36,000 gpd of the groundwater, treated through the above system, per provided schematic and information, as specified in your submissions, **for a period of one year**, to the combined sewer at the above mentioned location. **This Letter of Approval shall expire at midnight on October 7, 2015.**

This conditional approval, however, is subject to your obtaining a groundwater discharge Approval, specifying allowable flow rates, from the Chief of Permitting and Compliance, Bureau of Water and Sewer Operations. You are also required to follow manufacturer specifications for the operation and maintenance of the selected equipment. **This Letter of Approval is contingent upon the permittee's compliance with any other Federal, State or Local laws applicable to the permitted activity.**

**Under no circumstances shall muddy groundwater be discharged into the public sewer.**

Payment shall be made to and permit obtained from the Bureau of Customer

Service for groundwater discharge into the New York City Wastewater System in accordance with the Water and Wastewater Rate Schedule established by the New York City Water Board.

You must notify this section in writing prior to the commencement of discharge. In addition, you are required to hold the groundwater to the maximum extent practicable during heavy wet weather events. Refer to File # C-5652 in any correspondence to this office.

**The permittee must collect samples of the groundwater after the pretreatment system in each quarter of the calendar year. The samples must be analyzed for the parameter(s) included in the attached chart by a New York State Department of Health certified laboratory. The results must be submitted to this office within 21 days after each sampling date. If the sampling results, or any other sampling results, exceed the DEP limits, the discharge must cease and the Bureau of Wastewater Treatment must be notified immediately by phone at (718) 595-4715 and by fax at (718) 595-4771.**

**You are prohibited from discharging any groundwater that exceeds the attached discharge limit(s), as well as those contained in Title 15 Rules of the City of New York Chapter 19.**

This Letter of Approval is an Order of the Commissioner of the Department of Environmental Protection. Please be advised that failure to comply with this Letter of Approval may result in the issuance of Notices of Violation (returnable to the New York City Environmental Control Board) and/or revocation of the Letter of Approval. Notices of Violation carry penalties of up to \$10,000 a day, per violation.

If you have any questions concerning this matter, please contact Sean Hulbert, Assistant Chemical Engineer, at (718) 595-4715.

Sincerely,



Frances Leung, P.E., Chief  
Industrial Inspections and  
Permitting Section

enc: Sampling Requirements and Limitations

## SAMPLING REQUIREMENTS AND LIMITATIONS

Parameter <sup>1</sup>	Daily Limit	Units	Sample Type	Monthly Limit
Non-polar material <sup>2</sup>	50	mg/l	Instantaneous	---
pH	5-12	SU's	Instantaneous	---
Temperature	< 150	Degree F	Instantaneous	---
Flash Point	> 140	Degree F	Instantaneous	---
Cadmium	2 0.69	mg/l mg/l	Instantaneous Composite	---
Chromium (VI)	5	mg/l	Instantaneous	---
Copper	5	mg/l	Instantaneous	---
Lead	2	mg/l	Instantaneous	---
Mercury	0.05	mg/l	Instantaneous	---
Nickel	3	mg/l	Instantaneous	---
Zinc	5	mg/l	Instantaneous	---
Benzene	134	ppb	Instantaneous	57
Carbontetrachloride	---	---	Composite	---
Chloroform	---	---	Composite	---
1,4 Dichlorobenzene	---	---	Composite	---
Ethylbenzene	380	ppb	Instantaneous	142
MTBE (Methyl-Tert-Butyl-Ether)	50	ppb	Instantaneous	---
Naphthalene	47	ppb	Composite	19
Phenol	---	---	Composite	---
Tetrachloroethylene (Perc)	20	ppb	Instantaneous	---
Toluene	74	ppb	Instantaneous	28
1,2,4 Trichlorobenzene	---	---	Composite	---
1,1,1 Trichloroethane	---	---	Composite	---
Xylenes (Total)	74	ppb	Instantaneous	28
PCB's (Total) <sup>3</sup>	1	ppb	Composite	---
Total Suspended Solids (TSS)	350	mg/l	Instantaneous	---
CBOD	---	---	Composite	---
Chloride	---	---	Instantaneous	---
Total Nitrogen <sup>4</sup>	---	---	Composite	---
Total Solids	---	---	Instantaneous	---
Other				

- 1 All handling and preservation of collected samples and laboratory analyses of samples shall be performed in accordance with 40 C.F.R. pt. 136. If 40 C.F.R. pt. 136 does not cover the pollutant in question, the handling, preservation, and analysis must be performed in accordance with the latest edition of "Standard Methods for the Examination of Water and Wastewater." All analyses shall be performed using a detection level less than the lowest applicable regulatory discharge limit. If a parameter does not have a limit, then the detection level is defined as the least of the Practical Quantitation Limits identified in NYSDEC's Analytical Detectability and Quantitation Guidelines for Selected Environmental Parameters, December 1988.
- 2 Non-Polar Material shall mean that portion of the oil and grease that is not eliminated from a solution containing N-Hexane, or any other extraction solvent the EPA shall prescribe, by silica gel absorption.
- 3 Analysis for PCB's must be done by EPA method 608 with MDL=<65 ppt. PCB's (total) is the sum of PCB-1242 (Aroclor 1242), PCB-1254 (Aroclor 1254), PCB-1221 (Aroclor 1221), PCB-1232 (Aroclor 1232), PCB-1248 (Aroclor 1248), PCB-1260 (Aroclor 1260) and PCB-1016 (Aroclor 1016).
- 4 Total Nitrogen = Total Kjeldahl Nitrogen (TKN) + Nitrite (NO<sub>2</sub>) + Nitrate (NO<sub>3</sub>).



November 2, 2015

Amec Foster Wheeler Environment &  
Infrastructure, Inc.  
200 American Metro Boulevard, Suite 113  
Hamilton, NJ 08619  
Attn: **William J. Mikula, P.E.**

**Emily Lloyd**  
*Commissioner*

**Re: Groundwater Discharge, Review Avenue Development Sites,  
Queens, File # C-5652**

**John G. Petito, P.E.**  
*Acting  
Deputy Commissioner*

Dear Mr. Mikula:

**Bureau of Wastewater  
Treatment**  
96-05 Horace Harding  
Expressway – 2<sup>nd</sup> Floor  
Corona, NY 11368

This Letter of Approval is a renewal of the Letter of Approval issued on  
October 8, 2014.

Tel. (718) 595-5046  
Fax (718) 595-6950

This is in response to the October 22, 2015 submission requesting permission  
to discharge up to **36,000 gallons per day (gpd)** of groundwater generated  
during the remediation located at 37-30 and 37-80 Review Avenue in Queens,  
NY 11101 (New York State Department of Environmental Conservation  
Brownfield Cleanup Program Site Nos. C241089 and C241005, respectively).  
The groundwater will be treated through one 500 gallon pre-separation/eq  
chamber (with the addition of biocide before chamber and emulsification  
breaker after chamber), one 40 gpm oil/water separator, two 50-micron bag  
filter units, two 10-micron bag filter units, and two 1,000 lb carbon units, per  
provided schematic and information, before discharging to a 6" site  
connection. The site connection leads to the 12" combined sewer located at  
Review Avenue between 37<sup>th</sup> Street and Railroad Avenue in Queens, NY.

Based upon the information, schematic and analytical data submitted, you are  
hereby conditionally authorized, to discharge up to 36,000 gpd of the  
groundwater, treated through the above system, per provided schematic and  
information, as specified in your submissions, **for a period of one year**, to the  
combined sewer at the above mentioned location. **This Letter of Approval  
shall expire at midnight on November 1, 2016.**

This conditional approval, however, is subject to your obtaining a  
groundwater discharge Approval, specifying allowable flow rates, from the  
Chief of Permitting and Compliance, Bureau of Water and Sewer Operations.  
You are also required to follow manufacturer specifications for the operation  
and maintenance of the selected equipment. **This Letter of Approval is  
contingent upon the permittee's compliance with any other Federal, State  
or Local laws applicable to the permitted activity.**

**Under no circumstances shall muddy groundwater be discharged into the**

**public sewer.**

Payment shall be made to and permit obtained from the Bureau of Customer Service for groundwater discharge into the New York City Wastewater System in accordance with the Water and Wastewater Rate Schedule established by the New York City Water Board.

You must notify this section in writing prior to the commencement of discharge. In addition, you are required to hold the groundwater to the maximum extent practicable during heavy wet weather events. Refer to File # C-5652 in any correspondence to this office.

**The permittee must collect samples of the groundwater after the pretreatment system in each quarter of the calendar year. The samples must be analyzed for the parameter(s) included in the attached chart by a New York State Department of Health certified laboratory. The results must be submitted to this office within 21 days after each sampling date. If the sampling results, or any other sampling results, exceed the DEP limits, the discharge must cease and the Bureau of Wastewater Treatment must be notified immediately by phone at (718) 595-4715 and by fax at (718) 595-4771.**

**You are prohibited from discharging any groundwater that exceeds the attached discharge limit(s), as well as those contained in Title 15 Rules of the City of New York Chapter 19.**

This Letter of Approval is an Order of the Commissioner of the Department of Environmental Protection. Please be advised that failure to comply with this Letter of Approval may result in the issuance of Notices of Violation (returnable to the New York City Environmental Control Board) and/or revocation of the Letter of Approval. Notices of Violation carry penalties of up to \$10,000 a day, per violation.

If you have any questions concerning this matter, please contact Sean Hulbert, Assistant Chemical Engineer, at (718) 595-4715.

Sincerely,



Frances Leung, P.E., Chief  
Industrial Inspections and  
Permitting Section

enc: Sampling Requirements and Limitations

## SAMPLING REQUIREMENTS AND LIMITATIONS

Parameter <sup>1</sup>	Daily Limit	Units	Sample Type	Monthly Limit
Non-polar material <sup>2</sup>	50	mg/l	Instantaneous	---
pH	5-12	SU's	Instantaneous	---
Temperature	< 150	Degree F	Instantaneous	---
Flash Point	> 140	Degree F	Instantaneous	---
Cadmium	2 0.69	mg/l mg/l	Instantaneous Composite	---
Chromium (VI)	5	mg/l	Instantaneous	---
Copper	5	mg/l	Instantaneous	---
Lead	2	mg/l	Instantaneous	---
Mercury	0.05	mg/l	Instantaneous	---
Nickel	3	mg/l	Instantaneous	---
Zinc	5	mg/l	Instantaneous	---
Benzene	134	ppb	Instantaneous	57
Carbontetrachloride	---	---	Composite	---
Chloroform	---	---	Composite	---
1,4 Dichlorobenzene	---	---	Composite	---
Ethylbenzene	380	ppb	Instantaneous	142
MTBE (Methyl-Tert-Butyl-Ether)	50	ppb	Instantaneous	---
Naphthalene	47	ppb	Composite	19
Phenol	---	---	Composite	---
Tetrachloroethylene (Perc)	20	ppb	Instantaneous	---
Toluene	74	ppb	Instantaneous	28
1,2,4 Trichlorobenzene	---	---	Composite	---
1,1,1 Trichloroethane	---	---	Composite	---
Xylenes (Total)	74	ppb	Instantaneous	28
PCB's (Total) <sup>3</sup>	1	ppb	Composite	---
Total Suspended Solids (TSS)	350	mg/l	Instantaneous	---
CBOD	---	---	Composite	---
Chloride	---	---	Instantaneous	---
Total Nitrogen <sup>4</sup>	---	---	Composite	---
Total Solids	---	---	Instantaneous	---
Other				

- 1 All handling and preservation of collected samples and laboratory analyses of samples shall be performed in accordance with 40 C.F.R. pt. 136. If 40 C.F.R. pt. 136 does not cover the pollutant in question, the handling, preservation, and analysis must be performed in accordance with the latest edition of "Standard Methods for the Examination of Water and Wastewater." All analyses shall be performed using a detection level less than the lowest applicable regulatory discharge limit. If a parameter does not have a limit, then the detection level is defined as the least of the Practical Quantitation Limits identified in NYSDEC's Analytical Detectability and Quantitation Guidelines for Selected Environmental Parameters, December 1988.
- 2 Non-Polar Material shall mean that portion of the oil and grease that is not eliminated from a solution containing N-Hexane, or any other extraction solvent the EPA shall prescribe, by silica gel absorption.
- 3 Analysis for PCB's must be done by EPA method 608 with MDL=<65 ppt. PCB's (total) is the sum of PCB-1242 (Aroclor 1242), PCB-1254 (Aroclor 1254), PCB-1221 (Aroclor 1221), PCB-1232 (Aroclor 1232), PCB-1248 (Aroclor 1248), PCB-1260 (Aroclor 1260) and PCB-1016 (Aroclor 1016).
- 4 Total Nitrogen = Total Kjeldahl Nitrogen (TKN) + Nitrite (NO<sub>2</sub>) + Nitrate (NO<sub>3</sub>).



**THE CITY OF NEW YORK**  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION**  
 Bureau of Environmental Compliance  
 59-17 Junction Boulevard, 9th Floor, Flushing, New York 11373  
 Records Control 718.595.3855

Rev 11/5/2012

**Michael Gilsenan**  
 Assistant Commissioner  
 Environmental Compliance

## INFORMATIONAL NOTICE

Date: 6/15/2015

Installation #: N/A

Review Avenue System LLC
1550 Pond Road, suite 120
Allentown, PA 18104
Attn: Craig Coslett

OWNER/INSTALLER – NAME AND ADDRESS:

AMEC E&I, Inc.
200 American Metro Blvd., Suite 113
Hamilton, NJ 08619
Attn: Brent C. O’Dell, PE

P.E./AGENT – NAME AND ADDRESS:

### Premise Information:

37-80 Review Avenue (RAD II)	Queens	11101
Street Address	Borough	Zip Code

Our legal counsel concluded that NYC DEP air permits are not required for spill remediation projects in NYC that are performed under an approved Consent Order. While the Air Code does apply to this equipment, the DEP is preempted from requiring a Certificate of Operation based on the fact that the State has specifically permitted this equipment in a Corrective Action Plan.

MA \_\_\_\_\_  
 Engineer Name / Number

Industrial \_\_\_\_\_  
 Division



December 14, 2015

Brent Curtis O-Dell, P.E.  
AMEC Environmental & Infrastructure, Inc.  
200 American Metro Blvd, Suite 113  
Hamilton, NY 08619

**Emily Lloyd**  
*Commissioner*

**James J. Roberts, P.E.**  
**Deputy Commissioner**  
Bureau of Water and  
Sewer Operations

59-17 Junction Boulevard  
Flushing, NY 11373

**RE: Dewatering at 37-30 & 37-80 REVIEW AVENUE  
Block #312. Lot #s 41 & 69,  
Borough of Queens**

Dear Dr. Adib:

We are in receipt of your dewatering submission dated December 9, 2015, requesting permission to continue to temporarily discharge up to 36,000 gallons per day (gpd) of groundwater, continuously for a period of one year, during construction through an existing 6" diameter (dia.) connection to the 12" dia. combined sewer in Review Avenue between 37<sup>th</sup> Street and Railroad Avenue in the Borough of Queens.

Based upon the information, schematic and analytical data submitted, you are hereby authorized to obtain a DEP Permit to continue to temporarily discharge, during construction up to 36,000 gallons per day (gpd) of groundwater at the rate not to exceed 0.06 cubic feet per second (cfs) for a period of one year as specified in your submission to the combined sewer at the above-mentioned location. The Industrial Inspections and Permitting Section have given you approval for this dewatering discharge (C-5652) by the letter dated November 2, 2015.

The discharger shall indemnify and hold the City harmless for any damage or liability incurred by the City due to the dewatering and in the event that the discharge results in overloading the capacity of the discharge sewer. See the copy of the revised Special Indemnity Agreement attached, to be signed and filed with the discharge permit application.

Please note that no dewatering permit will be issued until the payment is made to the Bureau of Customer Service for a groundwater discharge into the New York City Wastewater System in accordance with the Water Rate Schedule established by the New York City Water Board.

This approval is an extension of the previous approval dated December 15, 2014.

If you have any further questions concerning this matter, please contact Mr. Suresh Kumar at (718) 595-5205.

Very truly yours,

A handwritten signature in blue ink, appearing to read 'Guo Zhan Wu'.

Guo Zhan Wu, P.E., Acting Chief  
Site Connections, Green Infrastructure  
And Plan Review



**Special Indemnity Agreement**  
**For temporary groundwater discharge in the City sewer system**

(Present Date)

Commissioner  
Department of Environmental Protection  
59-17 Junction Boulevard  
Corona, NY 11368

Location: 37-30 REVIEW AVENUE  
LONG ISLAND CITY  
QUEENS, NYC

Re: **Dewatering Permit**

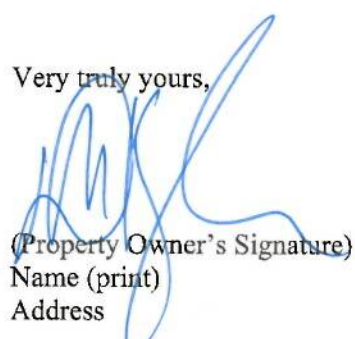
Dear Commissioner:

(Property Owner) hereby agrees to indemnify and to save harmless, to the fullest extent permitted by law, the City of New York, the New York City Department of Environmental Protection (hereinafter referred to as the "City") and their respective offices, representatives, agencies, contractors, servants, and employees from and against any and all claims, suits, actions, proceedings, and losses that may arise after the date of this agreement from the construction, maintenance, operation, or use of any sewer connection (direct or indirect) to the City Sewer System for the purpose of dewatering.

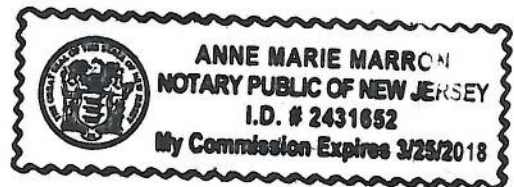
In addition it is noted that the City is held harmless due to any harmful side effects of lowering the Water Table such as but not limited to impact of drawdown on the perimeter of the site, salt water intrusion, movement of contaminated groundwater, backflow due to surcharge of outlet sewer and effect on any wetlands.

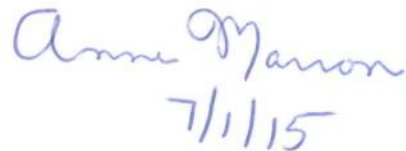
  
Professional Engineer, STAMP & Signature

Very truly yours,

  
(Property Owner's Signature)  
Name (print)  
Address

To Be Notarized

  
ANNE MARIE MARRON  
NOTARY PUBLIC OF NEW JERSEY  
I.D. # 2431652  
My Commission Expires 3/25/2018

  
Anne Marie Marron  
7/1/15

ORDER TYPE POMSC PO-BLDG PRPS MS

PAGE 1 OF 1

ACCOUNT 0001051539001

NAME AMEC FOSTER WHEELER

PHONE 000-000-0000

ADD NM

BORO 1 BLK 99999 LOT 9999 SEC 99 COMM BRD 199

ADDR MDSE ONLY

SPCL PREM INS

NEW YORK NY 10002

SPCL READ INSTR

BUILDING CLASS

Z0 PLUMBER

CROSS STREETS

NOT AVAILABLE

NOT AVAILABLE

UMS VARIANCE CODE

NON UMS VARIANCE CODE

ASGN TO 0000 STATUS A PEND/INITIATED REAS A NORMAL

ISS DATE 11/05/15

CONTRACT 0000 BATCH 00000 PLACED BY EXPEDITOR

PH #

WANTED BY DATE 12/04/15 TIME 0000

CREATED BY MO

DATE 11/04/15

CONTRACT ITEM CODES

SPCL INST PO-BLDG PRPS MS AMEC FOSTER WHEELER, DEWATERING @ 37-80 REVIEW AVE,  
CASE #C-5652, DISCHARGE 5,400,000 GALLONS OF WATER, 11/2015 - 2/2016.

POMSC - PO-BLDG PRPS MS

PERMIT NUMBER 743197

SVC SIZE 000 SVC SIZE DESC

TAP SIZE 000 TAP SIZE DESC

FEE 43,748.66 NO DAYS USAGE 000 START/END DATE 00/00/00 00/00/00

APPLICATION DATE 00/00/00 EXPIRE DATE 00/00/00 START/END TIME 0000 0000

PLUMBER LICENSE NO 0000000 EXPIRE DATE 00/00/00 STATUS

ADDRESS

ADDITIONAL ORDER INFORMATION

-

COMPLETION DATE

WO STATUS

COMPLETED BY (ID)

WO STATUS REASON

COMPLETION TIME IN

COMPLETION TIME OUT

COMMENTS

Four horizontal lines for entering comments.