ADVANCED WASTE & WATER TECHNOLOGY, INC.

208 Route 109, Suite 211
Farmingdale, NY 11735
P: (917) 324-0166

6/1/2015

Roger Evans
Regional Permit Administrator
NYS DEC
SUNY @ Stony Brook
50 Circle Road
Stony Brook, NY 11790-3409

Re: Permit Renewal Application
#1-4720-00204/00007

Dear Mr. Evans,

Please find the enclosed paperwork for the permit renewal of facility ID#1-4720-00204/0007, Advanced Waste & Water Technology, Inc.

If you have any questions, please do not hesitate to contact me at 631-249-3774.

Thank you,
Advanced Waste & Water Technology, Inc

Patricia Werner-Els

Patricia Werner-Els
Chief Science Officer

47-19-2 (11/14) - 10e

New York State Department of Environmental Conservation
Division of Materials Management

DEPARTMENT USE ONLY
DEC APPLICATION NO.
ACTIVITY NUMBER(S)

APPLICATION FOR A SOLID WASTE MANAGEMENT FACILITY PERMIT

Please read all instructions before completing this application

Reset Form

Please **TYPE** of **PRINT** clearly

1. APPLICATION TYPE (CHECK ALL APPLICABLE BOXES):
- ☐ Initial (New)
- ☒ Renewal
- ☐ Subsequent Landfill Stage (New)
- ☐ Modification

2. APPLICANT IS:
- ☒ Facility Owner
- ☒ Facility Operator

3. IS APPLICATION FILED BY OR ON BEHALF OF A MUNICIPALITY? ☐ Yes ☒ No
If Yes, Name

4. FACILITY OWNER'S INFORMATION
Name: Advanced Waste & Water Technology, Inc.
Address: 208 Route 109, Suite 211
City: Farmingdale
State/Zip: NY 11735 Phone: 631-249-3774
Email: pels@awwtinc.com

5. FACILITY OPERATOR'S INFORMATION
Name: Advanced Waste & Water Technology, Inc.
Address: 208 Route 109, Suite 211
City: Farmingdale
State/Zip: NY 11735 Phone: 631-249-3774
Email: pels@awwtinc.com

6. ENGINEER'S INFORMATION
Name: Dennis Eryou
License #: 60292-1
Firm Name: N.Dennis Eryou, PhD, P.E.
Address: 5100 Tamiami Trail N,St.103,Naples,FL34103
Phone: 239-530-4301 Email: dennis@eryouengineer

7. FACILITY NAME AND LOCATION (Attach USGS Topo Map showing exact location)
Name: Advanced Waste & Water Technology, Inc
Street: 208 Route 109
City/State/Zip: Farmingdale, NY 11735
Town: Farmingdale County: Suffolk County
Coordinates: NYTM--E: 634.9 NYTM--N: 4509.2

8. SITE OWNER'S INFORMATION
Name: Patricia Werner-Els
Address: 209 Route 109, Suite 211
City/Town: Farmingdale
State/Zip: NY 11735 Phone: 631-249-3774
Email: pels@awwtinc.com

9. TYPE OF FACILITY (Check all applicable boxes)
- ☐ Combustion/Thermal Treatment (360-3)
- ☐ Composting/Other Organics Process (360-4)
- ☐ C & D Debris Processing (360-16)
- ☐ Land Application/Associated Storage (360-5)
- ☐ Landfill (Specify category)
- ☐ Recyclables Handling & Recovery (360-12)
- ☐ Refused Derived Fuel Processing (360-3)
- ☐ Regulated Medical Waste (360-10, 17)
- ☐ Transfer Station (360-11)
- ☐ Waste Oil (360-14)
- ☐ Waste Tire Storage (360-13)
- ☒ Other (Describe): Industrial wastewater processing.

10. NAME(S) OF ALL MUNICIPALITIES SERVED:
Suffolk County
Nassau County

11. SOLID WASTES ACCEPTED: Identify facility capacity and throughput of each waste type, as applicable
Site to handle and store liquid wastes from industrial wastewater, stormwater runoff, and wastewater from LIRR railcar wash operations that have all been contaminated with petroleum products. A maximum of 2,160,000 gallons of petroleum contaminated water will be accepted annually.

12. FACILITY SIZE
a. Facility size proposed (acres): .07 acres
b. Total site area (acres): 3.6 acres
c. Landfill only: Facility size ultimately planned (acres): N/A
d. Existing landfill area on this site and adjacent properties (acres): N/A
e. Landfill only: Ultimate facility height above ground level (feet): N/A

13. IS A VARIANCE REQUESTED FROM ANY PROVISION OF 6 NYCRR PART 360?
☐ Yes ☒ No If yes, cite specific provision(s)

14. CERTIFICATION:

I hereby affirm under penalty of perjury that information provided on this form and attached statements and exhibits was prepared by me or under my supervision and direction and is true to the best of my knowledge and belief, and that I have authority or am authorized as

(title) Chief Science Officer of (entity) Advanced Waste & Water Technology, Inc.

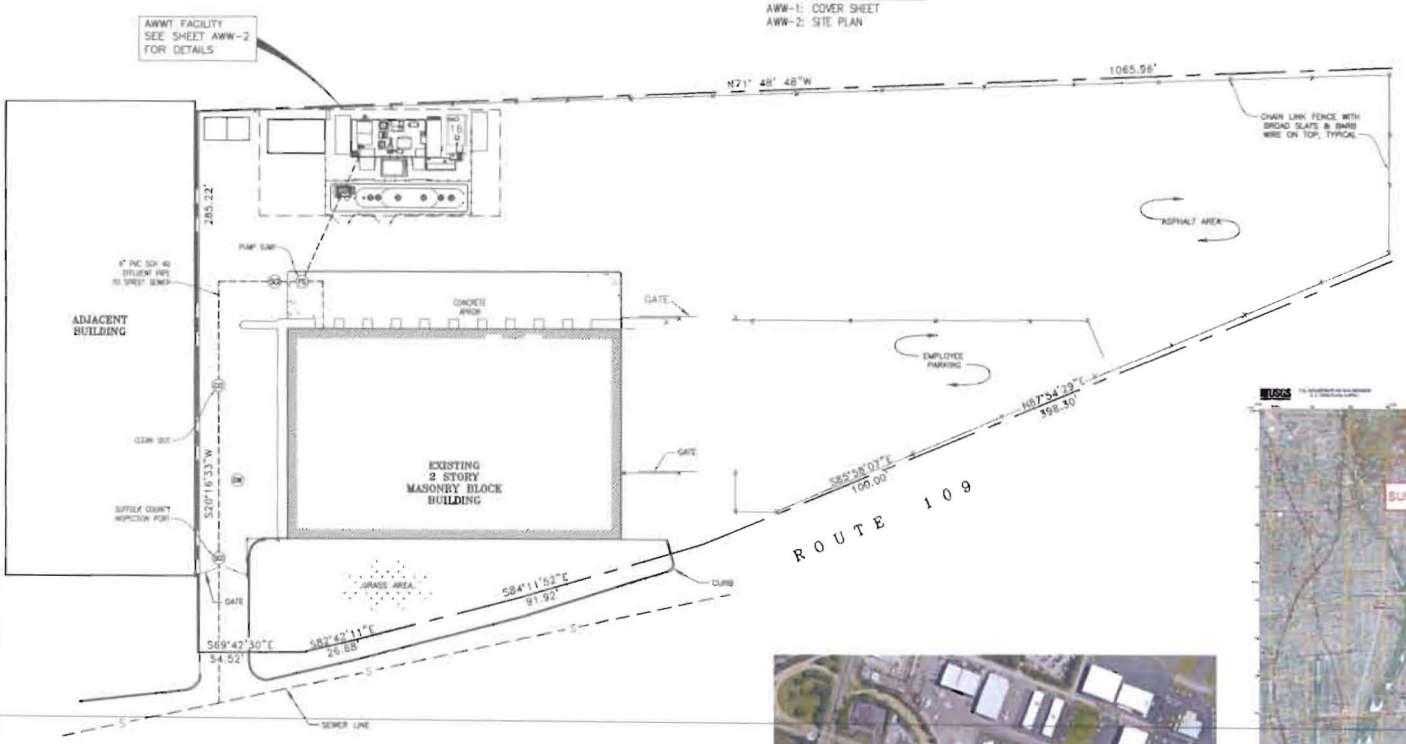
to sign this application pursuant to 6 NYCRR Part 360. I am aware that any false statement made herein is punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law.

Date 6/1/2015 Signature Patricia Els Print Name Patricia Els

ADVANCED WASTE & WATER TECHNOLOGY, INC.
WASTE TREATMENT FACILITY
208 ROUTE 109, FARMINGDALE, NY 11735

DRAWING INDEX

AWW-1: COVER SHEET
AWW-2: SITE PLAN



OVERALL SITE PLAN

SCALE: 1" = 30'-0"

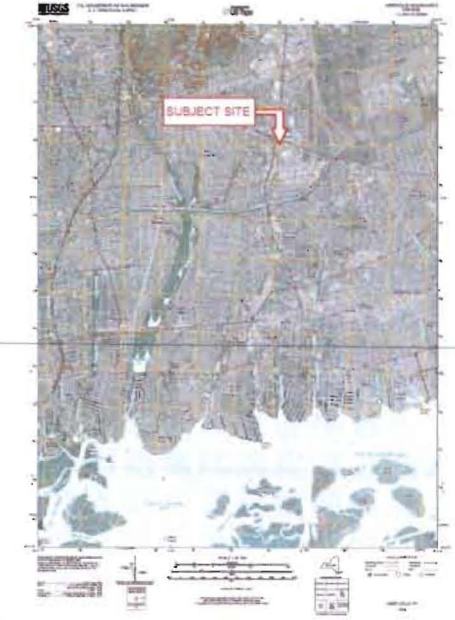
GRAPHIC SCALE

30' 0 15' 30' 60'

1"=30'

VICINITY MAP

SCALE: 1:3,350



REGIONAL MAP

ISSUES/REVISIONS

No.	Description	Date

NOTICE

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A PROFESSIONAL ENGINEER, OR LICENSED ARCHITECT, TO ALTER THIS DRAWING.

N. D. Eryou, PhD, PE
Consulting Engineer

Central Florida Office
1460 Breezy Way
Spring Hill, FL 34608
Phone: (352) 684-7275
Fax (800) 660-6724
Email: alex@eryouengineering.com

Southwest Florida Office
Newgate Executive Suites
5100 Tamiami Trail, Suite 103
Naples, FL 34103
Phone: (352) 684-7275
Fax (800) 660-6724
Email: alex@eryouengineering.com

CLIENT:
ADVANCED WASTE & WATER TECHNOLOGY, INC.
208 ROUTE 109
FARMINGDALE, NY 11735

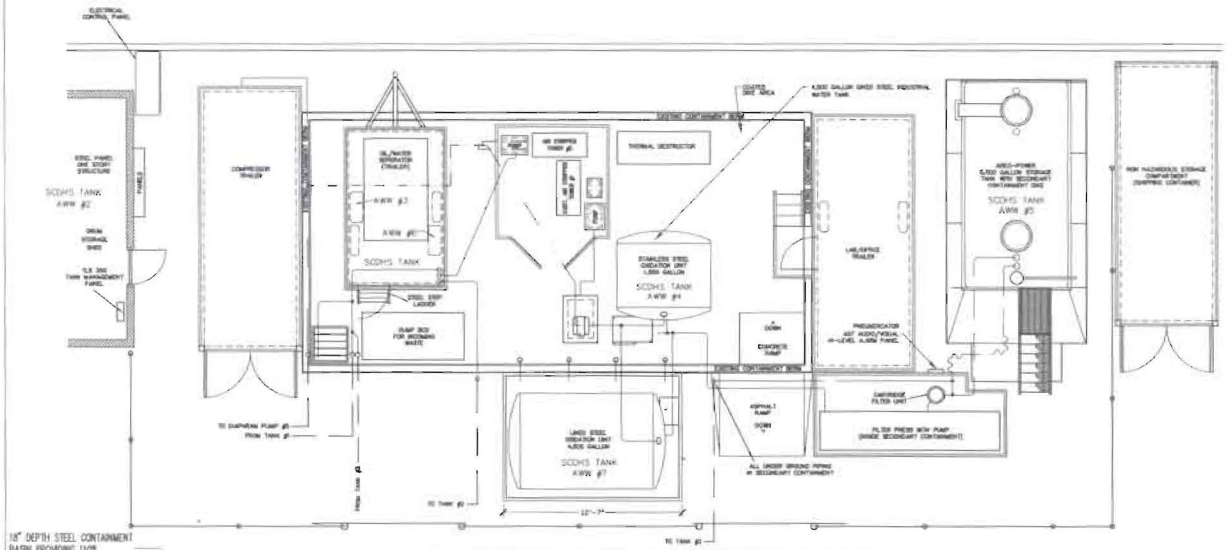
TAX MAP ID#:
SECTION: 067
BLOCK: 01
LOT: 2.021

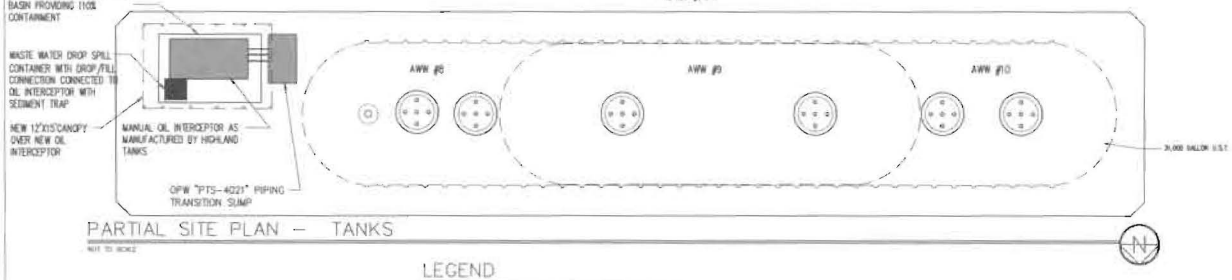
PROJECT:
ADVANCED WASTE & WATER TECHNOLOGY, INC
WASTE TREATMENT FACILITY
FARMINGDALE, NY

COVER SHEET

SEAL & SIGNATURE

DATE: 05/25/2011
PROJECT NO.: 052815-1
DRAWING BY: JPS
CHK. BY: NDE
DWG No.: **AWW-1**
CADD FILE NO.: 052815-1





PARTIAL SITE PLAN – TANKS

NOT TO SCALE

LEGEND

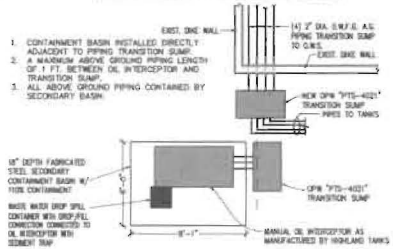
- PRODUCT PIPING GALVANIZED STEEL (ABOVE GROUND)
- NEW PIPING
- VAPOR CONDUIT
- CLEAN AIR (COMPRESSOR)
- PROPANE GAS (BOTTLED)
- FLEX PIPE

SITE TO BE LIMITED TO THE FOLLOWING STORAGE LIMITS:

- AWW #2 – DRUM STORAGE
- AWW #3 – 380 GALLON OIL/WATER SEPARATOR TANK
- AWW #4 – 1,500 GALLON REACTOR VESSEL #1
- AWW #5 – 6,000 GALLON EFFLUENT TANK
- AWW #6 – 125 GALLONS – NOT IN USE
- AWW #7 – 4,500 GALLON REACTOR VESSEL #2
- 30,000 GAL UNDERGROUND STORAGE TANK WITH 3 COMPARTMENTS TO BE LIMITED TO NO MORE THAN 30,000 GALS OF PETROLEUM/WATER WITHIN THE HOLDING TANK, IN THE FOLLOWING VOLUMES:
  - AWW #9 – 8,000 GALLONS OF RECOVERED GASOLINE
  - AWW #9 – 15,000 GALLONS OF PETROLEUM CONTAMINATED WATER
  - AWW #10 – 7,000 GALLONS OF DIESEL FUEL, KEROSENE, JET FUEL, #2 HEATING OIL, #4 AND #6 OILS

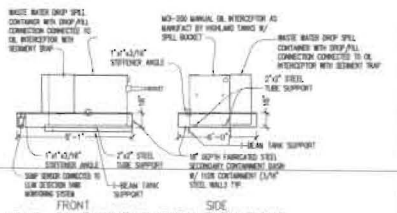
FABRICATED STEEL CONTAINMENT BASIN EPOXY COATING

FABRICATED STEEL CONTAINMENT BASIN SHALL BE COATED INSIDE & OUT W/ SHERWIN WILLIAMS "PHENICON HS" INDUSTRIAL EPOXY, INSTALLED AS PER MANUFACTURERS REQUIREMENTS & RECOMMENDATIONS, REGARDING SPECIFIC PRODUCTS CONTAINED.



STEEL CONTAINMENT BASIN PLAN

NOT TO SCALE



STEEL CONTAINMENT BASIN ELEVATIONS

NOT TO SCALE

ISSUES/REVISIONS

No.	Description	Date

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Consulting Engineer

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Newgate Executive Suites
5100 Tamiami Trail, Suite 103
Naples, FL 34103
Phone: (352) 684-7275
Fax (800) 660-6724
Email: alex@eryouengineering.com

CLIENT: ADVANCED WASTE & WATER TECHNOLOGY INC
200 ROUTE 109
FARMINGDALE, NY 11735

TAX MAP ID#: DISTRICT 0100, SECTION 097, BLOCK: 01, LOT: 3.1(2)

PROJECT:
ADVANCED WASTE & WATER TECHNOLOGY, INC
WASTE TREATMENT FACILITY
FARMINGDALE NY

SITE PLAN

SEAL & SIGNATURE

DATE: 01/09/2015
PROJECT NO.: 032015-1
DRAWING BY: JPS
CHK. BY: NDE
DWG No.
AWW-2
CADD FILE NO.: 032015-1

47-19-2A (7/92)—10e

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

RECORD OF COMPLIANCE—Permit Application Supplement

DEPARTMENT USE ONLY
DEC APPLICATION NUMBER

Please read all instructions on reverse side before completing this application—Please **TYPE** or **PRINT** clearly

1. FULL NAME OF APPLICANT
Advanced Waste & Water Tech, Inc.

2. MAILING ADDRESS (Principal Place of Business)
Street
208 Route 109, Suite 211

City/State/Zip Code
Farmingdale, NY 11735

3. NEW YORK STATE MAILING ADDRESS (If different)
Street

City/State/Zip Code

4. TYPE OF ORGANIZATION ☐ Individual ☐ Partnership ☐ Company ☒ Corporation ☐ Other _____

If other than individual, provide Federal Taxpayer ID Number

5. Does the applicant currently hold any permit issued under the Environmental Conservation Law?
☑ Yes ☐ No

6. a Has the applicant been denied a permit or has the applicant had a permit revoked or suspended under the Environmental Conservation Law? or
b Is the applicant currently the subject of an enforcement action under the Environmental Conservation Law?
a ☐ Yes ☒ No b ☐ Yes ☒ No

7. If any answer to questions 5, 6(a), or 6(b) is YES, provide details on a separate page and attach it to this form.

8. Has the applicant, and if the applicant is a corporation, has any officer, director, or large stockholder (owner of 25 percent or more of not publicly-traded stock) of the corporation, within the last ten (10) years, been:
a. found in an administrative, civil or criminal proceeding to have violated any provision of the Environmental Conservation Law (ECL), any related order or determination of the Commissioner, any regulation promulgated pursuant to the ECL, the condition of any permit issued thereunder, or any similar statute, regulation, order or permit condition of any other state or federal government agency?
☐ Yes ☒ No

b. an officer, director or large stockholder (owner of 25% or more of not publicly-traded stock) of a corporation which—during the time such person was an officer, director or large stockholder—was determined in an administrative, civil or criminal proceeding to have violated any provision of the Environmental Conservation Law (ECL), any related order or determination of the Commissioner, any regulation promulgated pursuant to the ECL, the condition of any permit issued thereunder, or any similar statute, regulation, order or permit condition of any other state or federal government agency?
☐ Yes ☒ No

c. convicted of a criminal offense under the laws of any state or federal government agency, which involves environmental statutes or regulations, or fraud, bribery, perjury, theft or an offense against public administration as that term is used in Article 195 of the Penal Law, or an offense involving false written statements as those terms are defined in Article 175 of the Penal Law? Out-of-state history may be limited to misdemeanors, felonies and civil penalities assessed at $25,000 or more.
☐ Yes ☒ No

d. an officer, director or large stockholder (owner of 25% or more of not publicly-traded stock) of a corporation which—during the time such person was an officer, director or large stockholder—was convicted of a criminal offense under the laws of any state or federal government agency, which involves environmental statutes or regulations or fraud, bribery, perjury, theft, or an offense against public administration as that term is used in Article 195 of the Penal Law, or an offense involving false written statements as those terms are defined in Article 175 of the Penal Law? Out-of state history may be limited to misdemeanors, felonies and civil penalities assessed at $25,000 or more.
☐ Yes ☒ No

9. If any answer to question 8a through 8d is YES, provide details on a separate page and attach it to this form.

10. Does the applicant currently owe any regulatory fees pursuant to Article 72 of the Environmental Conservation Law to the Department of Environmental Conservation?
☐ Yes, Amount $_____ ☒ No ☐ Under dispute for year(s) _____, amount $_____

11. CERTIFICATION (By Applicant who is an **Individual**)
I hereby affirm under penalty of perjury that information provided on this form and attached statements and exhibits is true to the best of my knowledge and belief. I am aware that any false statement made herein is punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law.

Date	Signature	Print Name
5/29/15	Patricia Els	PATRICIA ELS

ITEMS 12 THROUGH 15 TO BE COMPLETED BY AN APPLICANT OTHER THAN AN INDIVIDUAL

12. SPECIFY UNDER WHAT LAW APPLICANT WAS ORGANIZED	13. STATE	14. DATE OF ORGANIZATION

15. CERTIFICATION (By An Applicant **Other** Than An Individual)
I hereby affirm under penalty of perjury that I am CHIEF SCIENCE OFFICER (title) of Advanced Waste & Water Tech, (entity); that I am authorized by that entity to make this application; that this application was prepared by me or under my supervision and direction; and that information provided on this form and attached statements and exhibits is true to the best of my knowledge and belief. I am aware that any false statement made herein is punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law.

Date	Signature	Print Name
5/29/15	Patricia Els	PATRICIA ELS