

CITY OF NAPOLEON

ENGINEERING DEPARTMENT
255 West Riverview Avenue, P. O. Box 151, Napoleon, OH 43545
Chad E. Lulfs, P.E., P.S., Director of Public Works
Telephone: 419/592-4010 Fax: 419/599-8393
www.napoleonohio.com

808
Independence

LETTER of TRANSMITTAL

To **Ohio Environmental Protection Agency** Date **June 12, 2013**
Division of Drinking & Ground Waters

Regarding
Kenilworth Area I/I Project (LTCP 16B)

We are sending you:

Attached Under separate cover via _____

The following items:

Shop Drawings Prints Plans Copy of Letter
 Specifications Contract Application for Payment
 Change Order Other _____

No. of Copies	Date	Description
4	6-12-13	Kenilworth Area I/I Project (LTCP 16B) plans & application (Sewer)
3	6-12-13	Kenilworth Area I/I Project (LTCP 16B) plans & application (Water)

These are transmitted as checked below:

For Approval Approved as Submitted Resubmit ___ Copies for Approval
 For Your Files Approved as Noted As Requested
 For Signature For Review and Comment

Remarks:

Please contact me if you have any questions. The checks for this project is already in your possession.

Copy to:

By:


Chad E. Lulfs, P.E., P.S.; Director of Public Works

If enclosures are not as noted, kindly notify us at once.



August 27, 2012

Tom Zimmerman
Building Official
City of Napoleon
255 W. Riverview Ave
Napoleon, OH 43545

Dear Mr. Zimmerman,

Please find enclosed an application for a sign permit and map. These are provided for the sign for the Napoleon Solar Facility.

Should you have any questions, please contact me at 614-540-6389.

Sincerely,

Alice Walker
Manager of Alternative Generation & Smart Grid

DELAWARE • DELAWARE MUNICIPAL ELECTRIC CORPORATION
KENTUCKY • PADUCAH • PRINCETON • WILLIAMSTOWN
MICHIGAN • CLINTON • COLDWATER • HILLSDALE • MARSHALL • UNION CITY • WYANDOTTE
OHIO • AMHERST • ARCADIA • ARCANUM • BEACH CITY • BLANCHESTER • BLOOMDALE • BOWLING GREEN • BRADNER • BREWSTER • BRYAN • CAREY • CELINA • CLEVELAND • CLYDE • COLUMBIANA • COLUMBUS • CUSTAR • CUYAHOGA FALLS • CYGNET • DESHLER • DOVER • EDGERTON • ELDORADO • ELMORE • GALION • GENOA • GLOUSTER • GRAFTON • GREENWICH • HAMILTON • HASKINS • HOLIDAY CITY • HUBBARD • HUDSON • HURON • JACKSON • JACKSON CENTER • LAKEVIEW • LEBANON • LODI • LUCAS • MARSHALLVILLE • MENDON • MILAN • MINSTER • MONROEVILLE • MONTPELIER • NAPOLEON • NEW BREMEN • NEW KNOXVILLE • NEWTON FALLS • NILES • OAK HARBOR • OBERLIN • OHIO CITY • ORRVILLE • PAINESVILLE • PEMBERVILLE • PIONEER • PIQUA • PLYMOUTH • PROSPECT • REPUBLIC • SEVILLE • SHELBY • SHILOH • SOUTH VIENNA • ST. CLAIRSVILLE • ST. MARYS • SYCAMORE • TIPP CITY • TOLEDO • TONTOGANY • VERSAILLES • WADSWORTH • WAPAKONETA • WAYNESFIELD • WELLINGTON • WESTERVILLE • WHARTON • WOODSFIELD • WOODVILLE • YELLOW SPRINGS
PENNSYLVANIA • BERLIN • BLAKELY • CATAWISSA • DUNCANNON • EAST CONEMAUGH • ELLWOOD CITY • EPHRATA • GIRARD • GOLDSBORO • GROVE CITY • HATFIELD • HOOVERVILLE • KUTZTOWN • LANDSALE • LEHIGHTON • LEWISBERRY • MIDDLETOWN • MIFFLINBURG • NEW WILMINGTON • PERKASIE • QUAKERTOWN • ROYALTON • SAINT CLAIR SCHUYLKILL HAVEN • SMETHPORT • SUMMERHILL • WAMPUM • WATSONTOWN • WEATHERLY • ZELIENOPLE
VIRGINIA • BEDFORD • DANVILLE • FRONT ROYAL • MARTINSVILLE • RICHLANDS
WEST VIRGINIA • NEW MARTINSVILLE • PHILIPPI



John R. Kasich, Governor
Mary Taylor, Lt. Governor
Scott J. Nally, Director

October 12, 2012

Re: Liberty Twp.
Henry County
Application No. 895638
Application for Industrial Wastewater Pretreatment System to
serve ISOFOTON North America at 800 Independence Drive
Plans Received on September 07, 2012
Revised Plans Received October 5, 2012
From: SSOE Group
CERTIFIED MAIL

ISOFOTON North America Inc.
Attn: Lynn Sherman
800 Independence Drive
Napoleon, OH 43545

Ladies and Gentlemen:

Enclosed is the Ohio EPA Permit to Install and Operate a Wastewater Treatment System for all the described source in the manner indicated in the permit. Because this permit contains conditions, standards, and restrictions, I urge you to read it carefully.

You should note that a general condition of the permit does not relieve you of the duty of complying with all applicable federal, state, and local laws, rules, orders, and regulations.

You are hereby notified that this action of the permit is being appealed to the Environmental Review Appeals Commission pursuant to Section 374.02 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. The appeal must be filed with the Commission within thirty (30) days after notice of the Director's action. The appeal must be accompanied by a filing fee of \$70.00, made payable to "Ohio Treasurer Josh Mandel", which the Commission, in its discretion, may reduce if by affidavit you demonstrate that payment of the full amount of the fee would cause extreme hardship. Notice of the filing of the appeal shall be filed with the Director within three (3) days of filing with the Commission. Ohio EPA requests that a copy of the appeal be served upon the Ohio Attorney General's Office, Environmental Enforcement Section. An appeal may be filed with the Environmental Review Appeals Commission at the following address: Environmental Review Appeals Commission, 77 South High Street, 17th Floor, Columbus, OH 43215.

Isotofoton
- scan plans
- file

If you have any questions, please contact the Ohio EPA district office to which you submitted your application.

Sincerely,

Ed Swindall, Supervisor
Permit Processing Unit
Division of Surface Water

ES/sg
Enclosure

cc: Northwest District Office
Henry County Health Department
City of Napoleon

SSOE Group 50 West Town Street • Suite 700 • P.O. Box 1049 • Columbus, OH 43216-1049
www.epa.ohio.gov • (614) 644-3020 • (614) 644-3184 (fax)

Ohio Environmental Protection Agency

Permit to Install

Application No: 895638

Applicant Name: ISOFOTON North America Inc.
Address: 800 Independence Drive
City: Napoleon
State Zip: OH 43545

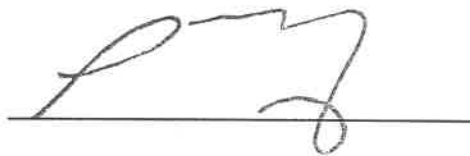
Person to Contact: Lynn Sherman
Telephone: 419-592-1262

Description of Proposed Source: Industrial Wastewater Pretreatment System to serve ISOFOTON North America at 800 Independence Drive, Liberty Twp., Henry County

Issuance Date: October 12, 2012
Effective Date: October 12, 2012

The above named entity is hereby granted a permit to install for the above described source pursuant to Chapter 3745-42 of the Ohio Administrative Code. Issuance of this permit does not constitute expressed or implied approval or agreement that, if constructed or modified in accordance with the plans included in the application, the above described source of environmental pollutants will operate in compliance with applicable state and federal laws and regulations. Issuance of this permit does not constitute expressed or implied assurance that, if constructed or modified in accordance with those plans and specifications, the above described source of pollutants will be granted the necessary operating permits. This permit is granted subject to the following conditions attached hereto.

Ohio Environmental Protection Agency



Scott J. Nally
Director
P.O. Box 1049
50 West Town Street, Suite 700
Columbus, OH 43216-1049

This permit shall expire if construction has not been initiated by the applicant within eighteen months of the effective date of this permit. By accepting this permit, the applicant acknowledges that this eighteen month period shall not be considered or construed as extending or having any effect whatsoever on any compliance schedule or deadline set forth in any administrative or court order issued to or binding upon the permit applicant, and the applicant shall abide by such compliance schedules or deadlines to avoid the initiation of additional legal action by the Ohio EPA.

The director of the Ohio Environmental Protection Agency, or his authorized representatives, may enter upon the premises of the above named applicant during construction and operation at any reasonable time for the purpose of making inspections, conducting tests, examining records, or reports pertaining to the construction, modification, or installation of the above described source of environmental pollutants.

Issuance of this permit does not relieve you of the duty of complying with all applicable federal, state, and local laws, ordinances, and regulations.

Any well, well point, pit, or other device installed for the purpose of lowering the ground water level to facilitate construction of this project shall be properly abandoned in accordance with the provisions of this plan or as directed by the director or his representative.

Any person installing any well, well point, pit or other device used for the purpose of removing ground water from an aquifer shall complete and file a Well Log and Drilling Report form with the Ohio Department of Natural Resources, Division of Water, within 30 days of the well completion in accordance with the Ohio Revised code Section 1521.01 and 1521.05. In addition, any such facility that has a capacity to withdraw waters of the state in an amount greater than 100,000 gallons per day from all sources shall be registered by the owner with the chief of the Division of Water, Ohio Department of Natural Resources, within three months after the facility is completed in accordance with Section 1521.16 of the Ohio Revised Code. For copies of the necessary well log, drilling report, or registration forms, please contact:

Ohio Department of Natural Resources
2045 Morse Road Bldg. E
Columbus, OH 43229-6693
(614) 265-6717

The proposed wastewater disposal system shall be constructed in strict accordance with the plans and application approved by the director of the Ohio Environmental Protection Agency. There shall be no deviation from these plans without the prior express, written approval of the agency. Any deviations from these plans or the above conditions may lead to such sanctions and penalties as provided for under Ohio law. Approval of these plans and issuance of this permit does not constitute an assurance by the Ohio Environmental Protection Agency that the proposed facilities will operate in compliance with all Ohio laws and regulations. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed sources are inadequate or cannot meet applicable standards.

ISOFOTON, North America, Inc. shall be responsible for proper operation and maintenance of the wastewater disposal system.

This permit to install applies only to the wastewater disposal system listed above. The installation of drinking water supplies, air contaminant sources, or solid waste disposal facilities will require the submittal of a separate application to the director.

REPORT ON DETAIL PLANS FOR A
INDUSTRIAL WASTEWATER PRETREATMENT SYSTEM TO SERVE
THE ISOFOTON
PV ASSEMBLY MANUFACTURING FACILITY
LIBERTY TOWNSHIP, NAPOLEON, HENRY COUNTY

On September 7, 2012, detail plans and a Permit to Install (PTI) application for an industrial wastewater treatment facility, ISOFOTON North America, were received from SSOE Group, Toledo, Ohio. A revised PTI application was submitted to our office on September 26, 2012. The plans were prepared under the supervision of Stephanie L. Dodds, P.E. and David J. Jechora, P.E. The facility is located at 800 Independence Drive, Liberty Township, Henry County, Ohio. The pH adjustment wastewater treatment system will accept wastewater from the reverse osmosis process and the panel glass wash water system. The wash water system sprays the glass panels with 1 megaOhm or better process water, which has been treated using reverse osmosis, activated carbon and resin. No soap is being used to clean the glass as received. Once cleaned the glass it is used in the manufacture of a solar module.

Using the City of Napoleon water as a source, the water for the wash water system is processed through a 5 um filter unit (to remove gross particulate), two water softening units (uses cations to remove calcium and magnesium), another 5 um filter and then sent to the reverse osmosis(RO) system. The 10.5 gallon softeners are regenerated using a brine solution of 2 Kg of salt in 132 liters (recycled for 45 minutes). The result is a batch of calcium and magnesium rich water (34.8 gallons) that will need to enter the treatment unit to insure proper pH prior to discharge to the sewer system. The RO pump delivers 237.7 gals/hr to the

record the pH. Depending on the pH sensor's reading, piston pumps will begin to slowly add acid or base to the contents of the tank as it is stirred. As the pH approaches the set point (The Napoleon City limits for pH are 6.5 to 9.0) the rate of feed will slow. Treated water will be discharged to sump #1, as detailed above. Once sump #1 reaches 90% capacity (50 gallons), the water in the sump is pumped up into a force main along the west wall 125' to the south and into the sanitary sewer discharge located at column #34 in the building next to the west wall (see detail on drawings AD101 and 102).

If any of the pumps fail, a visual and audio alarm will signal at each of the sumps and the operator will be tasked to stop the wash water system. There will be one back up sump pump that can be used in either the washer sump (sump #2) or the pH adjusted water sump (sump #1) should there be a failure.

Wash Water System – Recycled water treatment and RO storage tank refresh

The recycled wash water is pumped through a 5 micron spun filter, two cation/anion resin tanks and then through a fine mesh filter. Once the conductivity is checked(0-100 S/cm), the water is exposed to ultraviolet light to kill microbes and prevent the growth of microbial slime. This operation is continuous while the wash waster unit is operational and will only be manually stopped when the 900 liter RO tank is being refreshed.

Since the City of Napoleon has a waste water facility that is impacted by CSO events, ISOFOTON will communicate closely with the Napoleon WWTP to minimize the discharge of

APPLICATION FOR PERMIT TO MAKE INSTALLATION AND/OR WORK ALONG OR ACROSS ROADS OR STREETS

TO City of Napoleon	DATE 7/24/2012	REFERENCE E.353963
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Application is hereby made by CENTURYLINK
375 E. RIVERVIEW
NAPOLEON, OHIO 43545

To place cable at the following described location in Napoleon City, Henry County, Ohio along Industrial Dr., from Riverview to Isofoton at 800 Independence Dr. Work will commence on or about 8/7/2012 and will be completed by 9/1/2012/2012. It should be noted that these dates are tentative and that some unforeseen event could change either.

WE AGREE TO THE FOLLOWING CONDITIONS UPON ISSUANCE OF THE PERMIT:

1. To restore all disturbed surfaces to their original condition and adhere to the specifications or restrictions as outlined below.
2. To keep the disturbance to road surface and shoulders at a minimum. Trenches within the road and shoulder areas will be backfilled with gravel and tamped, so that settlement of the material is minimized. If settlement does occur within one year of backfilling, additional suitable material will be put into place and compacted.
3. All road crossings where said road is hard-surfaced (blacktop, concrete, chip & seal, etc.) will be made using the method unless further permission is granted from the governing authority regarding cutting the pavement. If an open cut is permitted, the road surface at the trench will be replaced with material of the type that was removed and the new surface will conform with the grade of the undisturbed surface.
4. Traffic will be maintained at all times, unless permission is granted by the governing authority to close the road. Any necessary lights, signs, barricades, and/or flagmen and watchmen will be placed on the job for the protection of traffic at all times, day and night, during the time this work is being done and that instructions given by the governing authority as to handling of traffic will be fully complied with.
5. All mailboxes, signs, yards, driveways, drainage structures, fences, ditches, sidewalks, or other pertinent property damaged or removed during initial construction or future maintenance will be replaced or repaired as good as or better than existing.
6. To notify all property owners within the construction area at least two (2) working days before work begins.
7. Any drainage tiles encountered will be repaired or replaced.
8. With minor exceptions, the proposed cable will be placed within the confines of public right-of-way at an approximate depth of
9. Where possible, pedestals will be located in the existing fence line or apparent right-of-way with all loops to such equipment usually maintaining 36-inch depth under existing ditch lines. It is proposed to bury the cable in a trench around the end of drainage structures at a depth of approximately 36 inches. Terrain and soil conditions may not permit exact locations and depths as indicated above. For specific detail of this project, please refer to the attached plans.

APPLICATION FOR PERMIT TO MAKE INSTALLATION AND/OR WORK ALONG OR ACROSS ROADS OR STREETS

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CITY OF NAPOLEON
Building & Zoning Division
255 W. Riverview Avenue, PO Box 151, Napoleon, OH 43545
Phone: 419-592-4010 - Fax: 419-599-8393

**BUILDING &
ZONING
DIVISION**

Tom Zimmerman
Zoning Administrator
Building Commissioner

The Ohio Department of Development
Ohio Air Quality Development Authority
Isofoton North America, Inc.

Re: Zoning certificate for the property located 800
Independence Drive, Napoleon, Ohio, containing 155,000 square
feet of space (the "Project")

To Whom It May Concern:

We are the governmental authority responsible for the enforcement of zoning matters and the issuance of certificates of occupancy in the geographic area in which the Project is located. We are aware that the Project will be used by Isofoton North America, Inc. for the manufacture of crystalline solar photovoltaic modules and the installation of equipment necessary thereto.

Please be advised as follows:

- (i) Certificates of occupancy have been issued without condition or variance and are in effect for all buildings located at the Project site. We are not aware of any circumstances which would render the certificates of occupancy invalid or cause them to be revoked.
- (ii) The Project site is zoned for manufacturing uses under the applicable zoning laws and ordinances, and the current zoning classification for the Project site allows the use of the Project.
- (iii) As far as we are aware, the Project is in compliance with all applicable building codes, fire codes, other health and safety rules and regulations, parking, density and height requirements and other building and zoning laws.

Sincerely,

Name: Tom Zimmerman

Title: Building + Zoning

Date: 02-27-12



Notice of Intent (NOI) For Coverage Under Ohio Environmental Protection Agency General Permit

(Read accompanying instructions carefully before completing this form)

Submission of this NOI constitutes notice that the party identified in Section I of this form intends to be authorized to discharge into state surface waters under Ohio EPA's NPDES general permit program. ...

I. Applicant Information/Mailing Address

Company (Applicant) Name: American Municipal Power, Inc
Mailing (Applicant) Address: 1111 Schrock Road, Suite 100
City: Columbus State: Ohio Zip Code: 43229
Contact Person: Ms. Alice Walker Phone: (614) 540-6389 Fax: (614) 540-1080
Contact E-Mail Address: awalker@amppartners.org

II. Facility/Site Location Information

Facility Name: AMP Solar Installation, Napoleon Ohio, Phase 1
Facility Address/Location: Commerce Drive
City: Napoleon State: Ohio Zip Code: 43545
County(ies): Henry Township(s): Harrison
Facility Contact Person: Alice Walker Phone: (614) 540-6389 Fax: (614) 540-1080
Facility Contact E-Mail Address:
Latitude: 41.240250 Longitude: -84.060550 (For Construction & Coal, must complete lat/long & attach map)
Receiving Stream or MS4: Van Hying Creek - Maumee River

III. General Permit Information

General Permit Number: OHC000003 Construction Storm Water Initial Coverage: [X] Renewal Coverage: []
Type of Activity: All Construction Storm Water - 20 or more acres disturbed Fee = \$500 SIC Code(s): - - - -
Existing NPDES Permit Number: n/a ODNR Coal Mining Application Number: n/a
Outfall: Design Flow (MGD) Associated Permit Effluent Table Latitude Longitude
Are These Permits Required? PTI No 401 Water Quality Certification No
Isolated Wetland No US Army Corps of Engineers No Individual NPDES No
Proposed Project Start Date (MO DY YR): 03 23 12 Estimated Completion Date (MO DY YR): 12 01 12
Total Land Disturbance (Acres): 21.74 MS4 Drainage Area (Square Miles):

IV. Payment Information

Check #:
Check Amount:
Date of Check (MO DY YR):

For Ohio EPA Use Only
Check ID (OFA):
Rev ID:
ORG #:
DOC #:

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 assure that qualified personnel properly gather and evaluate the information submitted. ...

Applicant Name: Title:
Applicant Signature: Date: