



Illinois Department of Natural Resources

One Natural Resources Way Springfield, Illinois 62702-1271
www.dnr.illinois.gov

Bruce Rauner, Governor
Wayne A. Rosenthal, Director

Office of Water Resources, Michael A. Bilandic Building, 160 N. LaSalle St., S-703, Chicago, IL 60601

September 14, 2016

Gerard van Noordennen
Zion Solutions, LLC
101 Shiloh Boulevard
Zion, IL 60099

Dear Mr. Noordennen,

Enclosed is Illinois Department of Natural Resources, Office of Water Resources (Department) Permit No. LM2016012 and the Illinois Environmental Protection Agency's August 1, 2016 Final Determination Letter authorizing the construction of a temporary roadway/ramp in the Lake Michigan nearshore at the Zion Nuclear Plant in Zion, IL.

If any changes in the location or plans of the work are found necessary, revised plans should be submitted promptly to the Department and the Illinois Environmental Protection Agency so that approval is received prior to the beginning of the work.

If you have any questions, feel free to contact me at (312) 793-5947 or james.casey@illinois.gov.

Sincerely,

A handwritten signature in black ink that reads "James P. Casey". The signature is written in a cursive style with a large, prominent "J" and "C".

James P. Casey
Lake Michigan Management Section

Enclosures:

cc: Corps of Engineers (Soren Hall), w/IDNR, OWR Permit & IEPA Letter
IEPA (Darren Gove), w/IDNR/OWR Permit
Christopher B. Burke Engineering (Jedd Anderson)



PERMIT NO. LM2016012

DATE: September 14, 2016

State of Illinois
Department of Natural Resources, Office of Water Resources
and
Illinois Environmental Protection Agency

Permission is hereby granted to: **Zion Solutions, LLC**
101 Shiloh Boulevard
Zion, IL 60099

The construction of a temporary roadway/ramp, in the Lake Michigan nearshore, to relocate a Stator Rotor from the Zion Nuclear Plant, 101 Shiloh Boulevard, Zion, IL 60099. The project is located in the Southwest Quarter of Section 23, Township 46 North, Range 12 East, of the 3rd Principal Meridian in Lake County.

In accordance with an application dated **May 26, 2016**, and the plans and specifications entitled:

ZION SOLUTIONS LOCATION MAP, EXHIBIT 1, DATED JUNE 9, 2016, RECEIVED JUNE 16, 2016.

BARGE ROLL-ON PLAN, DRAWING NUMBER 159666-B1.1, DATED MAY 17, 2016, RECEIVED JUNE 16, 2016.

STORMWATER WORK PLAN, SHEET 2 OF 2, DATED JUNE 9, 2016, RECEIVED JUNE 16, 2016.

Examined and Recommended:

Approval Recommended:

James P. Casey, Chief
Lake Michigan Management Section

Daniel A. Injerd, Director
Office of Water Resources

Approved:

Wayne A. Rosenthal
Department of Natural Resources

This PERMIT is subject to the terms and special conditions contained herein and in the attached NOTICE OF FINAL DETERMINATION of the Illinois Environmental Protection Agency. This PERMIT is not valid unless a NOTICE OF FINAL DETERMINATION of the Illinois Environmental Protection Agency as required by Section 39(a) of the Environmental Protection Act is attached.

THIS PERMIT IS SUBJECT TO THE FOLLOWING CONDITIONS:

- 1) This permit is granted in accordance with the Rivers, Lakes and Streams Act, "615 ILCS 5," and the Environmental Protection Act "415 ILCS 5/1."
- 2) This permit does not convey title to the permittee or recognize title of the permittee to any submerged or other lands, and furthermore, does not convey, lease or provide any right or rights of occupancy or use of the public or private property on which the activity or any part thereof will be located, or otherwise grant to the permittee any right or interest in or to the property, whether the property is owned or possessed by the State of Illinois or by any private or public party or parties.
- 3) This permit does not release the permittee from liability for damage to persons or property resulting from the work covered by this permit, and does not authorize any injury to private property or invasion of private rights.
- 4) This permit does not relieve the permittee of the responsibility to obtain other federal, state or local authorizations required for the construction of the permitted activity; and if the permittee is required by law to obtain approvals from any federal or other state agency to do the work, this permit is not effective until the federal and state approvals are obtained. . If construction does not begin within two years of the date of this permit, the permittee must submit the project to EcoCAT (<http://dnr.illinois.gov/EcoPublic/>) for an updated consultation under the Illinois Endangered Species Protection Act and the Illinois Natural Areas Preservation Act.
- 5) The permittee shall, at the permittee's own expense, remove all temporary piling, cofferdams, false work, and material incidental to the construction of the project from Lake Michigan. If the permittee fails to remove such structures or materials, the Department may have removal made at the expense of the permittee.
- 6) In public waters, if future need for public navigation or other public interest by the state or federal government necessitates changes in any part of the structure or structures, such changes shall be made by and at the expense of the permittee or the permittee's successors as required by the Department or other properly constituted agency, within sixty (60) days from receipt of written notice of the necessity from the Department or other agency, unless a longer period of time is specifically authorized.
- 7) The execution and details of the work authorized shall be subject to the review and approval of the Department and/or the Agency. Department and Agency personnel shall have the right of access to accomplish this purpose.
- 8) Starting work on the activity authorized will be considered full acceptance by the permittee of the terms and conditions of the permit.
- 9) The Department and Agency in issuing this permit have relied upon the statements and representations made by the permittee; if any substantive statement or representation made by the permittee is found to be false, this permit will be revoked and when revoked, all rights of the permittee under the permit are voided.
- 10) The permittee and the permittee's successors shall make no claim whatsoever to any interest in any accretions caused by the activity.
- 11) In issuing this permit, the Department and Agency do not ensure the adequacy of the design or structural strength of the structure or improvement.
- 12) Noncompliance with the conditions of this permit will be considered grounds for revocation.
- 13) If the construction activity here permitted is not completed on or before **December 31, 2019**, this permit shall cease and be null and void. When all work is constructed, the permittee shall notify the Department so that a final inspection can be completed.

THIS PERMIT IS SUBJECT TO THE FOLLOWING SPECIAL CONDITIONS:

- a) Contact the Department, at 312 793-5947, when the project has been completed.
- b) Conditions 1 - 7 of the August 1, 2016 Illinois Environmental Protection Agency's Final Determination Letter.
- c) Remove all temporary structures and return the area to post construction conditions after the Stator Rotor has been relocated.



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276 • (217) 782-3397

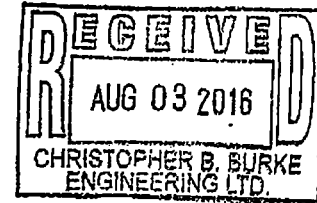
BRUCE RAUNER, GOVERNOR

LISA BONNETT, DIRECTOR

217/782-0610

AUG 01 2016

Illinois Department of Natural Resources/Office of Water Resources
Lake Michigan Management Section
Michael A. Bilandic Building
160 N. LaSalle Street, Suite S-703
Chicago, IL 60601



Re: Zion Solutions, LLC – Zion Solutions Stator-Rotor Transfer
Permit # 2016-LM-61330
Log # 2016-61330

Gentlemen:

This Agency received a request on July 19, 2016 from Zion Solutions, LLC requesting necessary comments concerning the proposed barge loading project along Lake Michigan shoreline.

Based on the information included in this submittal, it is our engineering judgment that the proposed project may be completed without causing water pollution as defined in the Illinois Environmental Protection Act, provided the project is carefully planned and supervised.

These comments are directed at the effect on water quality of the construction procedures involved in the above described project and are not an approval of any discharge resulting from the completed facility, nor an approval of the design of the facility. These comments do not supplant any permit responsibilities of the applicant toward the Agency.

This Agency hereby issues final determination under Section 39 of the Illinois Environmental Protection Act, subject to the applicant's compliance with the following conditions:

1. The applicant shall not cause:
 - a. violation of applicable water quality standards of the Illinois Pollution Control Board, Title 35, Subtitle C: Water Pollution Rules and Regulations;
 - b. water pollution defined and prohibited by the Illinois Environmental Protection Act;
 - c. interference with water use practices near public recreation areas or water supply intakes; or
 - d. violation of applicable provisions of the Illinois Environmental Protection Act.
2. The applicant shall provide adequate planning and supervision during the project construction period for implementing construction methods, processes and cleanup procedures necessary to prevent water pollution and control erosion.
3. The proposed work shall be constructed with adequate erosion control measures (i.e., silt fences, straw bales, etc.) to prevent transport of sediment and materials into Lake Michigan.

4302 N. Main St., Rockford, IL 61103 (815) 987-7760
595 S. State, Elgin, IL 60123 (847) 608-3131
2125 S. First St., Champaign, IL 61820 (217) 278-5800
2009 Mall St., Collinsville, IL 62234 (618) 346-6120

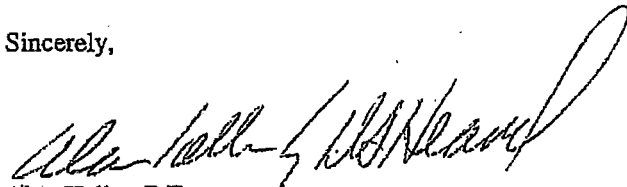
9511 Harrison St., Des Plaines, IL 60016 (847) 294-4000
412 SW Worthington St., Suite D, Peoria, IL 61602 (309) 671-3022
2309 W. Main St., Suite 116, Marion, IL 62959 (618) 993-7200
100 W. Randolph, Suite 10-300, Chicago, IL 60601

4. The applicant shall implement erosion control measures consistent with the "Illinois Urban Manual" (IEPA/USDA, NRCS; 2015).
5. All areas affected by construction shall be mulched and seeded as soon after construction as possible. The applicant shall undertake necessary measures and procedures to reduce erosion during construction. Interim measures to prevent erosion during construction shall be taken and may include the installation of staked straw bales, sedimentation basins and temporary mulching. All construction within the waterway shall be constructed during zero or low flow conditions. The applicant shall be responsible for obtaining an NPDES Storm Water Permit prior to initiating construction if the construction activity associated with the project will result in the disturbance of 1 (one) or more acres, total land area. An NPDES Storm Water Permit may be obtained by submitting a properly completed Notice of Intent (NOI) form by certified mail to the Agency's Division of Water Pollution Control, Permit Section.
6. This final determination does not cover material originating from Lake Michigan to be used as fill material.
7. A Section 401 water quality certification may be required by the Agency for your project in conjunction with a Section 404 permit issued by the U.S. Army Corps of Engineers.

This final determination becomes effective when the Illinois Department of Natural Resources, Office of Water Resources, includes the above conditions # 1 through # 7 as conditions of the requested permit issued pursuant to Section 39 of the Illinois Environmental Protection Act (415 ILCS 5/39) and Section 18 of the Rivers, Lakes, and Streams Act (615 ILCS 5/18).

This final determination does not grant immunity from any enforcement action found necessary by this Agency to meet its responsibilities in prevention, abatement, and control of water pollution.

Sincerely,



Alan Keller, P.E.
Manager, Permit Section
Division of Water Pollution Control

SAK:DLH:DRG:2016-61330_Section 39 Final Determination_19Jul16.docx

cc: IEPA, Records Unit
IEPA, DWPC, FOS, DesPlaines
CoE,
USEPA, Region 5
Binds
Christopher B. Burke Engineering, LTD, Attn: Darren Olsen, P.E., 9575 West Higgins Road, Suite
600, Rosemont, Illinois 60018

RECEIVED
AUG 09 2016

OFFICE OF WATER RESOURCES
DIVISION OF RESOURCE MANAGEMENT