Ohio Environmental Protection Agency

General Isolated Wetland Permit Application (Level One)

(For impacts of ½ acre or less to Category 1 & 2 isolated wetlands)

Division of Surface Water 401/Stormwater Section

Applicant and Agent Information		
	Applicant:	**Agent:**
Company/ Agency Name:	Clean Energy Future-Lordstown, LLC	The Mannik & Smith Group, Inc.
Name of Contact:	Bill Siderewicz	Jessica Stratigakos
Title:	President	Environmental Scientist
Technical Point of Contact:	Bill Siderewicz	Jessica Stratigakos
Address:	24 Proctor Street	23225 Mercantile Road
City, State, Zip:	Manchester, Massachusetts 01944	Beachwood, OH 44060
Phone Number(s):	617-501-7094	216-378-1490
Email Address:	bills@perpower.com	jstratigakos@manniksmithgroup.com

Project Information

Project Name: Lordstown Energy Center

Has Pre-App. Coordination occurred? ☒ **YES** ☐ **NO** **Indicate the 401 reviewer:** Wilk **DATE:** 5/26/2015

Brief Project Description/Purpose: The LEC is proposing to locate its energy conversion facility within the Lordstown Industrial Park located along Henn Parkway, Lordstown, Ohio. The LEC consists of a system of interconnected mechanical and electrical processes that convert natural gas to electricity.

Construction Timeframe (Provide ~start and end dates): October 2015 October 2016

Is any portion of the activity complete now? ☐ **YES** ☒ **NO** **Is this an "After-The-Fact" permit application?** ☐ **YES** ☒ **NO**

Coordinates (degree, minutes, seconds): 41°08' 56" **N** - 80° 51' 09" **W**

Project Address: **Street:** Henn Parkway and SR 45 **City or Town:** Lordstown

Zip Code: 44881 **Township:** Lordstown **County:** Trumbull

12 Digit HUC No.: 050301030500 **Watershed Name:** Mud Creek **Corps District:** Pittsburgh

Other water related permits issued or required include:

☒ **Individual 404 Permit** – Public Notice # 2005-1448
☒ **Individual 401 WQC** - Dated Issued: 3/23/2009
☐ **Nationwide Permit #** Choose an item. Choose an item. Click here to enter a date.
☐ **Section 9 Permit** -
☐ **Section 10 Permit** - Choose an item. Click here to enter a date.
☐ **NPDES Permit** – Choose an item. Choose an item. Click here to enter a date.
☐ **Permit to Install** – Choose an item. : Click here to enter a date.
☐ **ODNR** Choose an item. **Permit** - Choose an item. Click here to enter a date.
☐ **ODNR Coastal Permit** - Choose an item. Click here to enter a date.
☐ **Regional Permit** - Choose an item. Click here to enter a date.

Are there other aquatic resources on the project site (check all that apply)?
☐ Perennial Streams ☒ Intermittent Streams ☐ Ephemeral Streams ☒ Non-isolated Wetlands ☐ Lakes/Ponds

I have included the following in this submittal:
☒ Maps showing the project footprint & wetlands ☒ Wetland delineation ☒ Wetland categorization (including 10-page ORAM sheets)
☒ Check for applicable fees ☒ Site photographs ☐ Corps approved jurisdictional determination
☒ Mitigation proposal (including mitigation bank credits or in-lieu fee documentation if appropriate)

Proposed Impacts

WS

Wetland ID	ORAM Score	Category	Cat. Verified by Ohio EPA?	Ohio EPA Reviewer who Verified	Size (Acres)			Proposed Impacts (Acres)		
					Total	Forest	Non	Forest	Non	Total
See Attached	0.00	1	☒	Wilk						
	0.00	1	☐	Choose an item.						
	0.00	1	☐	Choose an item.						
	0.00	1	☐	Choose an item.						
	0.00	1	☐	Choose an item.						
Wetland Acreage Totals										
Totals – Category 1 Wetlands					0.293	0	0.293	0	0.293	0.293
Totals – Category 2 Wetlands					0.718	0.718	0	0.718	0	0.718
Totals – Category 3 Wetlands										

Proposed Wetland Mitigation (Check All That Apply)

☐ **Wetland Mitigation Bank** **Number of Forested Wetland Credits:** **Number of Non-Forested Wetland Credits:**

Wetland Mitigation Bank: Choose an item. **Proof of Reservation?** ☒

☒ **In-Lieu Fee Program** **ILF Sponsor:** Stream + Wetlands Foundation **Number of Wetland Credits:** 2

☐ **On-Site Permittee-Responsible Mitigation**
☐ **Restoration/Creation** Choose an item. **Acres**
☐ **Enhancement** Choose an item. **Acres**
☐ **Preservation** Choose an item. **Acres**
☐ **Other**

☐ **Off-Site Permittee-Responsible Mitigation**
☐ **Restoration/Creation** Choose an item. **Acres**
☐ **Enhancement** Choose an item. **Acres**
☐ **Preservation** Choose an item. **Acres**
☐ **Other**

Fees

Are you exempt from fees? ☐ **YES** ☒ **NO** **(If YES, leave fee section blank)**

Application Fee = $ 200.00

Review Fee

Wetland Acres Impacted 1.01 x $500 = $ 509.50

Total Fees ($200 Application Fee + Total Review Fees) due at the time of application submittal = $ 709.50

Standard Applicant - Is the fee cap ($5,000) exceeded? ☐ YES ☒ NO (If YES, maximum fees are $5,200)

Is this an After the Fact (ATF) application? ☐ YES ☒ NO (If YES, double the fees. Maximum fees of $10,000)

PLEASE MAKE FEE CHECK PAYABLE TO: "TREASURER, STATE OF OHIO"

Applicant and Agent Signature

Application is hereby made for an Isolated Wetland Permit. I certify that the information provided on this form and all attachments related to this project are true and accurate to the best of my knowledge:

Applicant Name	Bill Siderewicz	Applicant Signature	

Table 1: Proposed Impacts

Wetland	ORAM Score	Category	Size Acres	Impact Acres	Type	Mitigation Ratio	Mitigation Acres
M2	32	2	0.016	0.016	PEM	2:1	0.032
M3	32	2	0.702	0.702	PFO	2.5:1	1.755
M4	14	1	0.249	0.249	PEM	2:1	0.498
M5	16	1	0.035	0.035	PEM	2:1	0.07
M6	18	1	0.009	0.009	PEM	2:1	0.018
TOTAL			1.011	1.011	Emergent (rounded up to 1/10 acre)		0.7
					Forested(rounded up to 1/10 acre)		1.8

General Isolated Wetland Permit Application (Level Two)
(For impacts greater than ½ acre of Category 1 isolated wetlands and greater than ½ acre but not exceeding 3 acres for Category 2 isolated wetlands)

Ohio Environmental Protection Agency

Division of Surface Water 401/Stormwater Section

Project Name: Lordstown Energy Center

Applicants must submit a completed General Isolated Wetland Permit Application (Level One Review) in addition to providing the following information and/or demonstrations:

1. Please provide an analysis of practicable on site alternatives to the proposed filling of the isolated wetland(s) that would have a less adverse impact on the isolated wetland ecosystem: The Lordstown Energy Center (LEC) site (Site) shown on the attached exhibit, does not have any practicable on-site alternatives due to multiple site restrictions and the specific requirements for this type of facility. The facility cannot be turned to a north-south orientation due to the fact that the LEC would have to be built on top of the natural gas line that connects the two gas wells in the immediate area. This orientation would only be possible if the existing gas line could be moved. To date, NCL as the gas well/pipeline owner, has not been willing to sell the easterly gas well or agree on moving the gas line. With this gas line as an interference, there is no ability to build the deep concrete foundations needed to hold the 3,500,000 lb. of rotating equipment that makes up a natural gas to electricity energy facility. One of the requirements of an energy production facility is to convey its electricity to the nearby high voltage grid system. In the case of LEC, the high voltage lines in question are located approximately 3,400 ft. to the east of the Project site. To interconnect to these high voltage lines it is necessary to be as close as possible to these lines. Power lines exiting the LEC must be placed in such a way to first proceed in a northerly direction across Henn Parkway and then easterly to the First Energy lines. If the LEC were located on the southern half of the Site, then placement of the new power lines/poles to the north would add capital cost to even reach Henn Parkway, before being redirected in an easterly direction toward First Energy's high voltage lines. In addition, the natural gas, fire hydrant, water and sewer infrastructure that will serve the LEC will be located in Henn Parkway. To the extent the LEC is located further away from Henn Parkway, all the costs of interconnection for the Project to the existing infrastructure increases. The only way of avoiding the gas line/well interferences while also avoided the unnecessary and added costs is the utilization of the proposed facility location. The attached exhibit illustrates the optimum positioning of the LEC. As can be seen, the LEC is located adjacent to Henn Parkway. As a result, the power lines exiting the LEC simply cross Henn Parkway and are then directed easterly to the First Energy high voltage lines. All infrastructure interconnections costs, including new access roads from Henn Parkway are minimized.

2. Please provide information indicating whether high quality waters, as defined in rule 3745-1-05 of the Administrative Code, are to be avoided by the proposed filling of the isolated wetland(s): There are no high quality waters on the Site. All the wetlands score as a low Category 2 or Category 1 because of logging, farming and other disturbances. Wetlands M2 and M3 are low Category 2 wetlands and Wetlands M4, M5 and M6 are all Category 1 wetlands.

3. Please provide maps and narratives describing buffers provided for any isolated wetland(s) that will be avoided at the site: All of the Isolated Wetlands on the Site will be impacted.

4. Please demonstrate that the wetland(s) to be filled are not locally or regionally scarce and do not contain rare, threatened or endangered species: No state or federally-listed plant or animal species were identified in the wetlands. All plant species identified were invasive or common native plants. In addition, no habitat for state or federal-listed threatened or endangered species was identified during field studies. These wetlands are located in a previously disturbed area and consist of common wetland vegetation. A review of NWI data revealed that within Trumbull County there are approximately 3,900 acres of Freshwater Wetlands. The isolated wetlands that are proposed to be impacted are not locally or regionally scarce.

5. Please demonstrate that the project impacts would not result in significant degradation to the aquatic ecosystem: The wetlands represent a small fraction of the wetland acreage present in this rural county. They consist of common native emergent plans that have been previously disturbed by agricultural practices. South of the site along the riparian corridor to Mud Creek is forested undeveloped land that provides benefit to the overall water quality to this aquatic ecosystem. Impacted the isolated wetlands will not result in significant degradation to the local aquatic ecosystem.

6. Please provide a comprehensive post development storm water plan that includes water quality improvement measures: As final design for the project progresses, applicable standards will be maintained to ensure effective stormwater management, prevent adverse off-site impacts and prevent erosion and sedimentation. To demonstrate the ability of the project to control post-development flows in accordance with applicable standards and policies LEC has prepared Stormwater calculations please see

attached.

Applicant and Agent Signature			
Application is hereby made for an Isolated Wetland Permit. I certify that the information provided on this form and all attachments related to this project are true and accurate to the best of my knowledge:			
Applicant Name	William Siderewicz Clean Energy Future-Lordstown, LLC	**Applicant Signature**	

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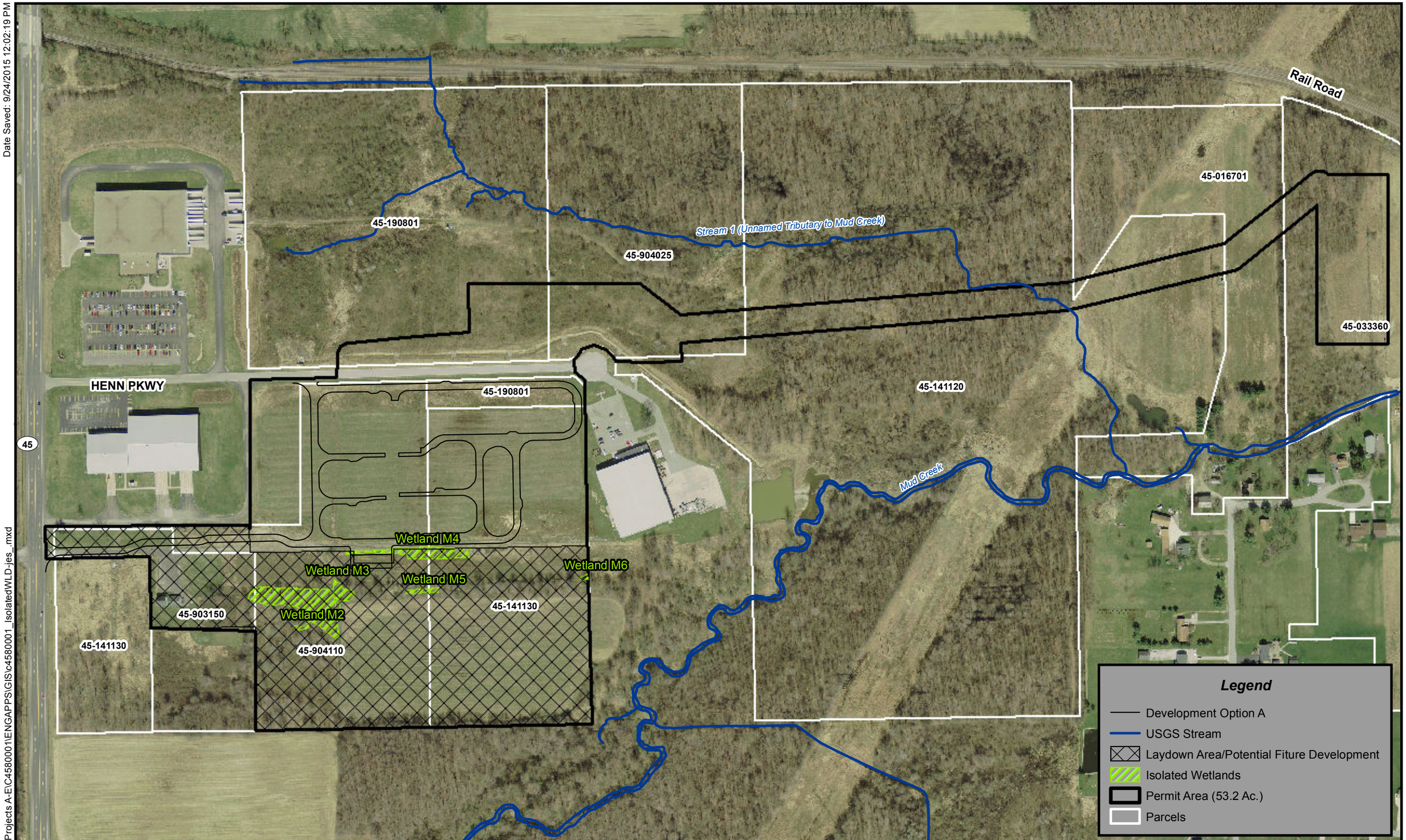

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Isolated Wetlands
Lordstown Energy Center
Lordstown, Ohio

Notes
The Trumbull County photography, dated April 2011, is provided by OGRIP as part of the Ohio Statewide Imagery Program.

0 200 400 Feet