

NPDES Permit No. IL0078808
Notice No. MEL:19102901.docx

Public Notice Beginning Date: **December 2, 2019**

Public Notice Ending Date: **January 2, 2020**

National Pollutant Discharge Elimination System (NPDES)
Permit Program

Draft Reissued NPDES Permit to Discharge into Waters of the State

Public Notice/Fact Sheet Issued By:

Illinois Environmental Protection Agency
Bureau of Water,
Division of Water Pollution Control
Permit Section
1021 North Grand Avenue East
Post Office Box 19276
Springfield, Illinois 62794-9276
217/782-0610

Name and Address of Discharger:

One Earth Energy, LLC
202 North Jordan Drive
Gibson City, Illinois 60936

Name and Address of Facility:

One Earth Energy, LLC
202 North Jordan Drive
Gibson City, Illinois 60936
(Ford County)

The Illinois Environmental Protection Agency (IEPA) has made a tentative determination to issue a NPDES permit to discharge into the waters of the state and has prepared a draft permit and associated fact sheet for the above named discharger. The Public Notice period will begin and end on the dates indicated in the heading of this Public Notice/Fact Sheet. The last day comments will be received will be on the Public Notice period ending date unless a commentor demonstrating the need for additional time requests an extension to this comment period and the request is granted by the IEPA. Interested persons are invited to submit written comments on the draft permit to the IEPA at the above address. Commentors shall provide his or her name and address and the nature of the issues proposed to be raised and the evidence proposed to be presented with regards to those issues. Commentors may include a request for public hearing. Persons submitting comments and/or requests for public hearing shall also send a copy of such comments or requests to the permit applicant. The NPDES permit and notice number(s) must appear on each comment page.

The application, engineer's review notes including load limit calculations, Public Notice/Fact Sheet, draft permit, comments received, and other documents are available for inspection and may be copied at the IEPA between 9:30 a.m. and 3:30 p.m. Monday through Friday when scheduled by the interested person.

If written comments or requests indicate a significant degree of public interest in the draft permit, the permitting authority may, at its discretion, hold a public hearing. Public notice will be given 45 days before any public hearing. Response to comments will be provided when the final permit is issued. For further information, please call Mark E. Liska at 217/782-0610.

The applicant is engaged in the production of denatured ethanol via fermentation of corn (SIC 2869). No process water is discharged. Plant operation results in an average discharge of 0.556 MGD of filter backwash, softener regenerant, cooling tower blowdown, reverse osmosis reject, and stormwater runoff from outfall 001.

Application is made for the existing discharge which is located in Ford County, Illinois. The following information identifies the discharge point, receiving stream and stream classifications:

Outfall	Receiving Stream	Latitude	Longitude	Stream Classification	Biological Stream Characterization
001	Drummer Creek	40° 28' 10" North	88° 23' 9" West	General Use	Not Rated

To assist you further in identifying the location of the discharge please see the attached map.

The waterbody segment EY - 01 receiving the discharge from outfall(s) 001 is on the draft 2016 Illinois Integrated Water Quality Report and Section 303(d) List as impaired. The receiving water has been not given an integrity rating but has been listed as biologically significant in the 2008 Illinois Department of Natural Resources publication *Integrating Multiple Taxa in a Biological Stream Rating System*. The impaired designated uses and pollutants causing impairment are tabulated below:

<u>Designated Uses</u>	<u>Pollutants Causing Impairment</u>
Aquatic Life	Dissolved Oxygen

The discharge(s) from the facility shall be monitored and limited at all times as follows:

Outfall: 001

Filter Backwash	0.081 MGD
Softener Regenerant	0.001 MGD
Cooling Tower Blowdown	0.105 MGD
Reverse Osmosis Reject	0.378 MGD
Stormwater	Intermittent

PARAMETER	LOAD LIMITS lbs/day			CONCENTRATION LIMITS mg/l		
	30 DAY AVERAGE	DAILY MAXIMUM	REGULATION	30 DAY AVERAGE	DAILY MAXIMUM	REGULATION
Flow						35 IAC 309.146
pH					6.5-9.0	35 IAC 302.204
Temperature					Standard	35 IAC 302.211
Total Suspended Solids				15	30	35 IAC 304.124
Iron				2.0	4.0	35 IAC 304.124
Boron				7.6	40.1	35 IAC 302.208
Total Residual Chlorine					0.05	40 CFR 125.3

The following explain the conditions of the proposed permit:

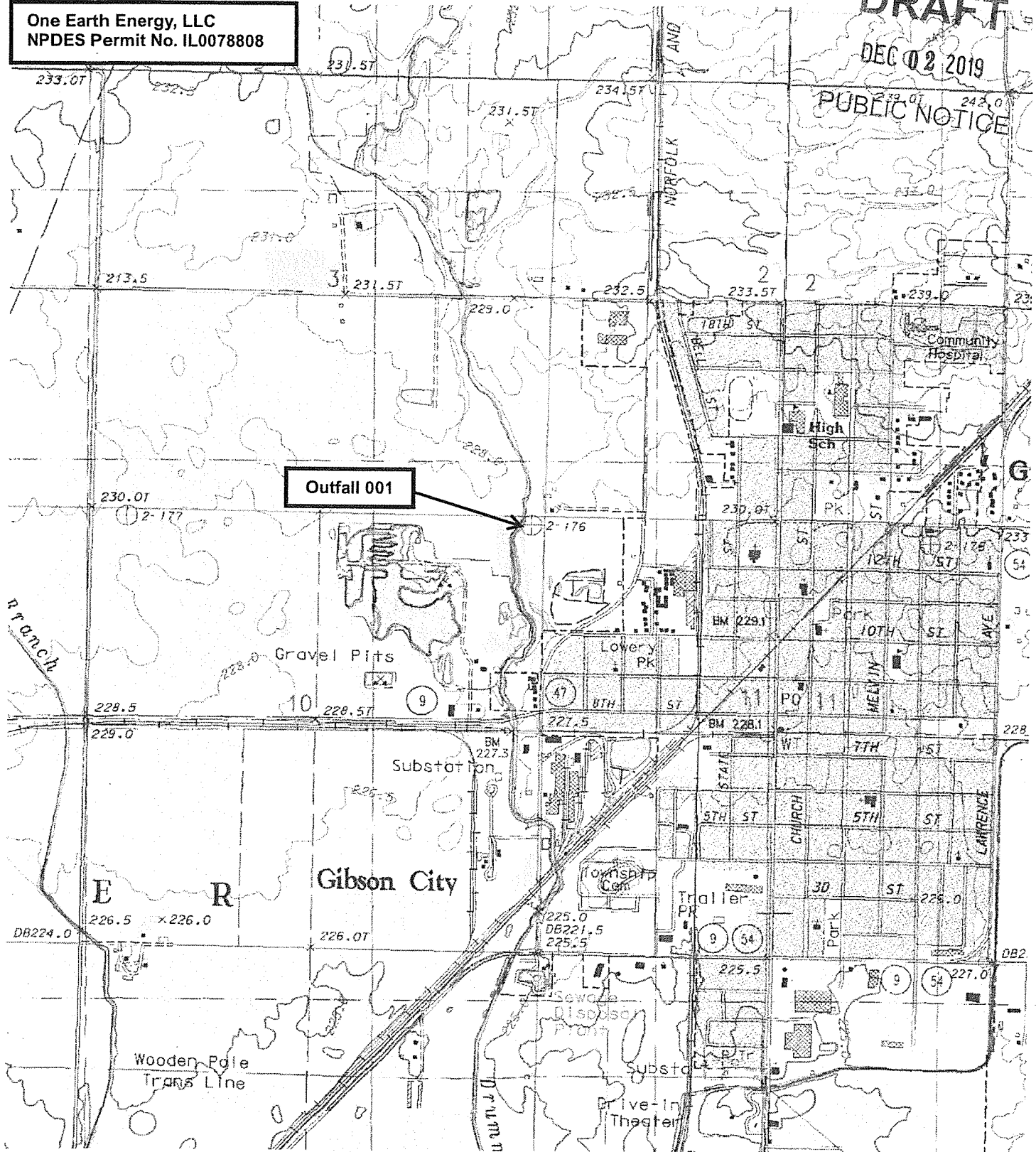
The special conditions clarify: flow reporting, pH, temperature, TRC, monitoring location, DMR's, re-opener, operator requirement, DBNPA-based biocides, metals monitoring, and stormwater pollution prevention plan requirements.

DRAFT

DEC 02 2019

PUBLIC NOTICE

**One Earth Energy, LLC
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Outfall 001



