

Public Notice

PROPOSED INITIAL PART 70 AIR OPERATING PERMIT, INITIAL PREVENTION OF SIGNIFICANT DETERIORATION (PSD) PERMIT AND INITIAL ACID RAIN PERMIT

ENTERGY LOUISIANA, LLC, ST. CHARLES POWER STATION AI 197303

VIEW ATTACHMENTS FOLLOWING PUBLIC NOTICE

The LDEQ, Office of Environmental Services, is accepting written comments on an initial Part 70 (Title V) air operating permit, an initial Prevention of Significant Deterioration (PSD) permit, and an initial Acid Rain permit for Entergy Louisiana, LLC, 10055 Grogans Mill Road; Parkwood II Building, Suite 400; The Woodlands, Texas 77380 for the St. Charles Power Station. **The facility is located at 17420 River Road; Montz, St. Charles Parish.**

Entergy Louisiana, LLC (ELL), a subsidiary of the New Orleans based Entergy Corporation, requested authorization to construct and operate the St. Charles Power Station (SCPS) in Montz, St. Charles Parish, Louisiana. The SCPS will be located within the boundary of the property on which ELL's existing Little Gypsy Generating Plant is located. The SCPS will consist of a combined cycle gas turbine (CCGT) unit which will consist of two (2) natural gas-fired gas turbines, each with a heat recovery steam generator unit equipped with duct burners, and one steam generator turbine. The SCPS will have a predicted net nominal output of 980 megawatts (MW) at international standards organization (ISO) conditions with supplemental duct firing. Ancillary equipment associated with the SCPS will include a cooling tower, a 2,584 horsepower (HP) emergency diesel generator, a 282 HP diesel-fired fire water pump, and a 30,000 gallon pressurized aqueous ammonia (19%) storage tank.

This permit was processed as an expedited permit in accordance with LAC 33:I.Chapter 18.

Estimated emissions in tons per year (TPY) for the SCPS are as follows:

Pollutant	Emissions
PM ₁₀	150.54
PM _{2.5}	150.54
SO ₂	22.78
NO _x	226.31
CO	781.21
VOC	459.62

The St. Charles Power Station (SCPS) will be a major source of toxic air pollutants (TAPs) pursuant to LAC 33:III.Chapter 51; however, pursuant to LAC 33:III.5105.B.2, electric utility steam-generating units (EGUs) are not regulated under Subchapter A of LAC 33:III.Chapter 51. In addition, emissions from the

combustion of Group 1 virgin fossil fuels (i.e., natural gas) are exempt from the requirements of Subchapter A per LAC 33:III.5105.B.3.a. After removing the TAPs emitted from the EGUs from the facility's overall TAPs emission rates, the SCPS will be classified as a minor source of LAC 33:III.Chapter 51 TAPs.

The SCPS will be a major source under the Prevention of Significant Deterioration (PSD) program, LAC 33:III.509. The proposed facility will result in significant net emissions increases of PM₁₀, PM_{2.5}, NO_x, CO, VOC, H₂SO₄ Mist, and CO_{2e}; therefore, PSD requirements, including best available control technology (BACT), apply for these pollutants. The selection of BACT was based on a "top down" approach; a more thorough discussion of the BACT selection process can be found in proposed permit PSD-LA-804.

Neither the project nor the general commercial, residential, industrial, or other growth associated with it is expected to have a significant adverse impact on soil, vegetation, visibility, or air quality in the area of the facility or any Class I area. Modeling of PM₁₀, PM_{2.5} (annual), NO₂, and CO emissions from the proposed project indicates that the maximum offsite ground level concentrations of these pollutants will be below their respective PSD ambient significance levels and preconstruction monitoring levels. Therefore, pre-construction monitoring, refined National Ambient Air Quality Standards (NAAQS) modeling, and increment consumption analyses were not required. However, predicted concentrations of PM_{2.5} (24-hour Averaging Period) exceeded its respective ambient significance level; consequently, refined modeling was performed, indicating compliance with its respective NAAQS standard.

A working draft of the proposed permits was submitted to the facility representative. Any remarks received during the technical review will be addressed in the "Worksheet for Technical Review of Working Draft of Proposed Permit". All remarks received by LDEQ are included in the record that is available for public review.

Comments and requests for a public hearing or notification of the final decision can be submitted via personal delivery, U.S. mail, email, or fax. **Comments and requests for public hearings must be received by 4:30 pm CST, Monday, July 11, 2016. Delivery may be made to the drop-box at 602 N. 5th St., Baton Rouge, LA 70802. U.S. Mail may be sent to LDEQ, Public Participation Group, P.O. Box 4313, Baton Rouge, LA 70821-4313. Emails may be submitted to DEQ.PUBLICNOTICES@LA.GOV and faxes sent to (225) 219-3309.** Delivery may be made to the drop-box at 602 N. 5 St., Baton Rouge, LA 70802. U.S. Mail may be sent to LDEQ, Public Participation Group, P.O. Box 4313, Baton Rouge, LA 70821-4313. Emails may be submitted to DEQ.PUBLICNOTICES@LA.GOV and faxes sent to (225) 219-3309.

Please see additional instructions for comment submission, hand delivery and information regarding electronic submission at

<http://www.deq.louisiana.gov/portal/Default.aspx?tabid=2256> or call (225) 219-3276.

If LDEQ finds a significant degree of public interest, a public hearing will be held. LDEQ will send notification of the final permit decision to the applicant and to each person who has submitted written comments or a written request for notification of the final decision.

The permit application, including all additional information received, the proposed permits (Title V, PSD, and Acid Rain), and the Statement of Basis are available for review at the LDEQ, Public Records Center, Room 128, 602 North 5th Street, Baton Rouge, LA. Viewing hours are from 8:00 a.m. to 4:30 p.m., Monday through Friday (except holidays). **The available information can also be accessed electronically on the Electronic Document Management System (EDMS) on the DEQ public website at www.deq.louisiana.gov.**

Additional copies may be reviewed at the St. Charles Parish Library - Norco Branch, 197 Good Hope Street, Norco, LA 70079.

Inquiries or requests for additional information regarding this permit action should be directed to Kyle Prestenbach, LDEQ, Air Permits Division, P.O. Box 4313, Baton Rouge, LA 70821-4313, phone (225) 219-3419.

Persons wishing to be included on the LDEQ permit public notice mailing list or for other public participation related questions should contact the Public Participation Group in writing at LDEQ, P.O. Box 4313, Baton Rouge, LA 70821-4313, by email at DEQ.PUBLICNOTICES@LA.GOV or contact the LDEQ Customer Service Center at (225) 219-LDEQ (219-5337).

Permit public notices including electronic access to the proposed permits and statement of basis can be viewed at the LDEQ permits public notice webpage at www.deq.louisiana.gov/apps/pubNotice/default.asp and general information related to the public participation in permitting activities can be viewed at www.deq.louisiana.gov/portal/tabid/2198/Default.aspx.

Alternatively, individuals may elect to receive the permit public notices via email by subscribing to the LDEQ permits public notice List Server at http://louisiana.gov/Services/Email_Notifications_DEQ_PN/.

All correspondence should specify AI Number 197303, Permit Numbers 2520-00174-V0, PSD-LA-804, & 2520-00174-IV0, and Activity Numbers PER20150001, PER20150002, & PER20150003.

Scheduled Publication Date: June 9, 2016

Attachments:

MATERIAL ASSOCIATED WITH THE PROPOSED INITIAL PART 70 AIR
OPERATING PERMIT, INITIAL PREVENTION OF SIGNIFICANT
DETERIORATION (PSD) PERMIT AND INITIAL ACID RAIN PERMIT