Worksheet for Technical Review of Working Draft of Proposed Permit

Company Name:	Entergy Arkansas, Inc	**AI #:**	83613	**TEMPO Activity No:**	PER20040001
Facility Name:	Ouachita Power Generating Station	**Remarks Submitted by:**	**Ron Cernigliaro, Christee Herbert, and Rashid Johnson**		
Permit Writer:	Dustin Duhon	**Permit Writer Email address:**	dustin.duhon@la.gov		

Instructions

Permit Reference – Indicate specific portion(s) of the permit to which the remark relates (i.e. "Specific Condition 120", or "Section II Air Permits Briefing Sheet", etc.).

Remarks – Explain the basis for each remark. Provide regulatory citations where possible. If the remark is made due to an error or omission in the permit application this must be noted and the revised information ***must be submitted.*** Revised information may be submitted separately from this worksheet. Please be aware that revised information must be submitted in writing and certified by the Responsible Official, and if necessary, by a Professional Engineer licensed in Louisiana. *Please Note:* New or additional equipment, processes or operating conditions not addressed in the original permit application will be addressed on a case-by-case basis. The Department reserves the right to address such changes in a separate permit action.

DEQ Response – ***DO NOT COMPLETE THIS SECTION.*** This section will be completed by Air Permits Division of DEQ, included in the proposed permit package and made available for public review during any required public comment period.

- Additional rows may be added as necessary.
- Completed Form shall be emailed to the Permit writer in MS Word compatible format within the deadline specified in the email notification.
- ***DO NOT USE THIS FORM TO SUBMIT COMMENTS DURING THE OFFICIAL PUBLIC COMMENT PERIOD.***

Permit Reference	Remarks	Air Permits Division Response (for official use only)
PSD-LA-651(M-1) SU/SD Operational Mode	Startup is defined as the time from initial firing of the unit until the point at which the unit reaches Mode 6 TTRF 2280. Shutdown is defined as the time when the unit drops out of Mode 6 TTRF 2260. The Units at Ouachita are in start-up/shutdown from 85 MW – 125 MW. Once the units are above 125 MW, they are into normal operations. There are 6 operating modes for the turbines. The combustion turbines operate under a firing temperature called TTRF. Each mode is controlled by this temperature. A start-up includes Modes 1 through Mode	**Startup and shutdown modes have been defined as follows:** **Startup is defined as the time from initial firing of the unit until the point at which the unit has achieved an operational temperature of 2280°F. Normal Operational Mode begins once the unit has achieved 2280°F. Shutdown is defined as the time that begins once the unit, after having achieved Normal Operational Mode as described above, lowers its operating temperature below 2230°F and ends once the unit has ceased all fuel combustion.** **This definition was based on additional clarifying comments submitted by Entergy indicating that Mode 6 begins at 2280 F and that when the unit drops out of Mode 6 to enter shutdown, the defining temperature is 2230 F.**

	5. Normal operation is Mode 6. Coming out of Mode 6 is a shutdown. Mode 1: Full Speed No Load Mode 2: @ 1600 F Mode 3: @ 1700 F Mode 4: @ 2050 F Mode 5: @ 2190 F Mode 6: @ 2250 F Unit online TTRF= Combustion Firing Reference	
Table of Criteria Pollutants	The CO and NOx average and Maximum lb/hr limits in the Criteria Pollutant Table should coincide with BACT lb/hr limits for normal operation. NOx should be 43.5 lb/hr CO should be 58 lb/hr	**This change was made.**
Part 70 and State General Conditions	The newly promulgated General Conditions should be listed in the permit as codified in the Louisiana regulations and the older version removed.	**This change was made.**

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