

Bob  
Latest from CSB  
on the Igniters  
6/18/85

NOTE TO: DEAN HOUSTON

FROM: A. Notafrancesco, CSB

SUBJECT - RIVER BEND DRAFT IGNITER TECH SPEC

Attached is the latest draft River Bend Tech Spec regarding the Hydrogen Igniter System. We requested GSO to justify the number that is marked "TBD" through a probability analysis. If GSO does not respond within your schedule, assign the number to be ONE. In addition we requested that a revised Tech Spec Basis section on this matter should be revised to accommodate the latest Tech Spec form. The content of the Igniter Basis section should include the definition of adjacent igniters and the expected rooms to be high radiation areas.

Alex Notafrancesco

cc FE  
JK

DRAFT

CONTAINMENT SYSTEMS.

CONTAINMENT AND DRYWELL HYDROGEN IGNITION SYSTEM

LIMITING CONDITION FOR OPERATION

3.6.7.3 The containment and drywell hydrogen ignition system shall be operable consisting of:

- a. two independent containment and drywell hydrogen ignition subsystems ~~and~~ consisting of ten circuits with no more than two igniter assemblies inoperable per circuit and no more than five igniter assemblies inoperable per subsystem, and
- b. no adjacent igniter assemblies inoperable.

APPLICABILITY: OPERATIONAL CONDITIONS 1 and 2

ACTION:

- a. With one containment and drywell hydrogen ignition subsystem and/or circuit inoperable, restore the inoperable subsystem and/or circuit to OPERABLE status within 30 days or be in at least HOT SHUTDOWN within the next 12 hours.
- b. With any adjacent igniter assembly inoperable, restore all igniter assemblies adjacent to an inoperable igniter assembly to OPERABLE status within 30 days or be in at least HOT SHUTDOWN within the next 12 hours.

SURVEILLANCE REQUIREMENTS

4.6.7.3 The containment and drywell hydrogen ignition system shall be demonstrated OPERABLE:

- a. At least once per 6 months by energizing all the igniter assemblies and performing a current measurement of each circuit.

1. If more than ~~3~~<sup>3</sup> igniter assemblies on either subsystem are determined to be inoperable, Surveillance Requirement 4.6.7.3.a shall be performed at least once per 92 days until this condition no longer exists.

2. If more than ~~3~~ igniter assemblies on each subsystem are determined to be inoperable, determine if the inoperable igniter assemblies are adjacent.

- b. At least once per 18 months by energizing each igniter assembly and verifying by current measurement sufficient current draw to develop 1700°F temperature for those igniter assemblies in high radiation areas and verifying a surface temperature of at least 1700°F for each of the remaining igniters.

OK  
Fayouk  
7/8/85

TBD