

## INSPECTION PLAN

### DAVIS BESSE NUCLEAR POWER STATION

(INSPECTION REPORT NUMBER 05000346/201811(DRS))

#### Inspection Objectives

This inspection fulfills the baseline inspection program requirements for triennial Inspection Procedure (IP) 71111.21M. The inspection's objective is to verify that design bases have been correctly implemented for the selected risk significant components and that operating procedures and operator actions are consistent with design and licensing bases. This is to ensure that selected components are capable of performing their intended safety functions. The inspection also monitors the implementation of modifications to structures, systems, and components as modifications to one system may also affect the design bases and functioning of interfacing systems as well as introduce the potential for common cause failures. This inspection verifies aspects of the Initiating Events, Mitigating Systems, and Barrier Integrity cornerstones for which there are no indicators to measure performance.

**Inspection Dates:** September 17, 2018 through October 5, 2018

**Entrance:** September 17, 2018 at 3:00pm (DBAB Energy Education Center)

#### Applicable Inspection Procedures

IP 71111.21M "Design Bases Assurance Inspection (Team)"  
IP 71152 "Identification and Resolution of Problems" (reference)

Prepared by: /RA/ 09/06/18  
Diana Betancourt-Roldan, Lead  
Inspector Date

Approved by: /RA/ 09/07/18  
Nestor Feliz Adorno, Chief,  
Engineering Branch 2, DRS Date

Reviewed by: /RA/ 09/12/18  
Jamnes Cameron, Chief, Projects  
Branch 4, DRP Date

## INSPECTION PLAN DETAILS

### I. Inspection Team

Name	Title	Position	Phone	E-mail
Diana Betancourt-Roldan	Resident Inspector	Team Lead	815-458-2852 331-444-3222	<a href="mailto:Diana.Betancourt-Roldan@nrc.gov">Diana.Betancourt-Roldan@nrc.gov</a>
Jorge Corujo-Sandin	Reactor Inspector	Operations	630-829-9741	<a href="mailto:Jorge.Corujo-Sandin@nrc.gov">Jorge.Corujo-Sandin@nrc.gov</a>
John Robbins	Reactor Inspector	Electrical	630-829-9744	<a href="mailto:John.Robbins@nrc.gov">John.Robbins@nrc.gov</a>
Gerard O'Dwyer	Reactor Inspector	Mechanical	630-829-9624	<a href="mailto:Gerard.Odwyer@nrc.gov">Gerard.Odwyer@nrc.gov</a>
Maty Yeminy	NRC Contractor	Mechanical	305-926-1250	<a href="mailto:maty.yeminy@vsi-nuclear.com">maty.yeminy@vsi-nuclear.com</a>
Harvey Leake	NRC Contractor	Electrical	928-308-8679	<a href="mailto:hleake@eathlink.net">hleake@eathlink.net</a>

#### Licensee Contact:

Name	Title	Phone	E-mail
Gwen A. Ellithorpe	Staff Nuclear Specialist	419-321-7757	<a href="mailto:gaellithorpe@firstenergycorp.com">gaellithorpe@firstenergycorp.com</a>
Gerry Wolf	Supervisor, Nuclear Compliance	419-321-8001	<a href="mailto:GMWolf@firstenergycorp.com">GMWolf@firstenergycorp.com</a>

### II. Detailed Inspection Schedule

TEAM PREPARATION WEEK				September 10 – 14, 2018
Kickoff Meeting	September 11	12:30 pm (CDT)	RIII, DRP Conf. Room	
Prep Status Meeting	September 13	12:30 pm (CDT)	RIII, DRP Conf. Room	
1 <sup>st</sup> ONSITE INSPECTION WEEK				September 17 – 21, 2018
Entrance Meeting	September 17	3:00 pm (EDT)	DBAB Energy Education Center	
Team Meetings	September 18 - 20	2:00 pm (EDT)	DB Admin Building NW Conference Room	
Licensee Debrief	September 18 - 20	3:00 pm (EDT)	DB Administration Building	
IN-OFFICE INSPECTION WEEK				September 24 – September 28, 2018
Team Meetings	September 25 & 27	1:00 pm (CDT)	RIII, DRP Conf. Room	
Licensee Debrief	September 25 & 27	2:00 pm (CDT)	Conference Call	
2 <sup>nd</sup> ONSITE INSPECTION WEEK				October 1 – 5, 2018
Team Meetings	October 2 - 4	2:00 pm (EDT)	DB Admin Building NW Conference Room	
Licensee Debrief	October 2 - 4	3:00 pm (EDT)	DB Administration Building	
Technical Debrief	TBD		Site, TBD	
Exit Meeting	TBD		Site, TBD	

### III. Preparation of Inspection Report:

DOCUMENTATION WEEK	
Individual inputs to the inspection report	October 12, COB
Draft inspection report	October 26, COB
Issue inspection report (45 days)	November 19, COB

#### IV. Team Preparation Activities

##### a. General/Sample Selection

The specific team assignments will be finalized during preparation week. Team members will use the preparation week to review material provided by the licensee for the following 9 components:

##### **Initial Component Selection (4-6 for final selection):**

DBC2P – Battery Charger  
RC11 – PORV Block Valve – LERF COMPONENT  
ME211A – Station Blackout (SBO) Emergency Diesel Generator Radiator  
D2\_ED – 125/250V DC Motor Control Center  
BF12A – 480V AC Motor Control Center  
P3A – Service Water Pump  
SW1399 – Turbine Plant Cooling Water Heat Exchanger Isolation Valve  
SW2930 – Service Water Discharge to Intake Forebay  
AFW-6452 – Auxiliary Feedwater Pump TDP 1-1 Discharge MOV

Based on this initial review, the inspectors will reduce the number of components to be reviewed during the inspection to 4 – 6. Once the component/system functions and modifications are identified, the inspectors should review the information provided by the licensee to determine if additional information (calculations, surveillances, maintenance activities, procedures, etc.) will be necessary to perform the inspection.

- b. The inspectors will review the modifications to determine which 4 – 6 will need to be reviewed during the inspection.
- c. The inspectors will select 1 - 3 operating experience samples for review.
- d. The inspectors should provide information request to the team leader during prep week by COB Thursday to ensure information will be available during the first week onsite.
- e. All inspectors and contractors will need to complete the site specific training to obtain unescorted access to the plant.

#### V. Onsite Inspection Activities

##### a. Plant Walkdowns

The team will perform a general walkdown of the plant during the first week onsite. This will allow inspectors to become familiar with the plant, observe components and modifications assigned, and identify other potential areas for inspection. Any abnormal or questionable conditions should be brought to the lead inspector to discuss with the resident staff and the licensee.

##### b. Inspection Questions

No written information will be provided to the licensee. Questions to the licensee should be given verbally or, if written, the licensee must copy the information and the inspector must retain the written document. Inspectors will request the licensee to go over the written question with them to ensure that the documented question is the one the

inspector wants answered. Inspectors will keep track of licensee response timeliness and timely bring timeliness issues to the attention of the team lead.

c. Handling of Operability Concerns

Operability concerns will be immediately brought to the team lead's attention. The team lead will coordinate with the operations inspector and communicate the concerns to the operations contact, and, if necessary, senior licensee management. The team lead will also discuss the concerns with the resident inspectors.

d. Issues and Findings

At the inspector debrief, inspectors must be able to describe why an issue is more than minor. Therefore, inspectors are encouraged to complete the 'analysis' worksheet as issues arise. This will also help on focusing inspection time on risk-significant issues. Additionally, inspectors must be able to describe if there are any cross-cutting aspects to the performance deficiency.

**VIII. Logistics**

a. Inspection Location

The inspection team will be located in the Davis Besse Administrative Building which is outside the protected area. There will also be a separate room available dedicated for interviews. The licensee will provide a computer and printer access for accessing licensee documents. Internet access for the inspector's computers will be provided by the licensee.

b. Work at Home

Work-at-home must be approved by the appropriate branch chief for in-office week. Inspectors performing work-at-home are required to attend the team meetings by phone.