

NEI 07-07
NEI Groundwater Protection Initiative
NEI Peer Assessment Report

2 pages
APP: B
Brunswick

Site Being Assessed: Brunswick	Report Date: 12/14/2009
Utility Point of Contact (POC): Louise England	UPOC Phone: 919-546-6318
Site Contact: Mike Millnor	Site Contact Phone: 919-362-2082
NEI Team Lead: Larry Haynes	NEI Team Lead Phone: 704-382-4481
Date Site Self-Assessment Completed: 11/28/2008	
NEI Assessment Start Date as Agreed Upon by Site and Team Lead: 9/1/2009	
Date Site Provided Self-Assessment Data to the Peer Assessment Team: September 2009	
Date NEI Peer Assessment Started: September 2009	
Date NEI Peer Assessment Submitted to Site for Final Review: 11/27/09	

1.0 Assessment Summary:

The purpose of this assessment is to evaluate Brunswick's implementation of the nuclear industry Groundwater Protection Initiative described in Nuclear Energy Institute (NEI) report NEI 07-07, Industry Groundwater Protection Initiative - Final Guidance Document. NEI 07-07 requires that each nuclear site conduct a review of the GPI program under the auspices of NEI and that this review be performed by an independent, knowledgeable individual(s) within one year of the initial self-assessment performed by the site.

The assessment scope included a review of forty-three acceptance criteria linked to the eleven objectives as outlined in NEI 07-07 Appendix B, Self-Assessment Checklist. This was accomplished through review of the Brunswick self-assessment report, supporting documentation and follow-up interactions between the NEI review team and utility representative.

The Brunswick staff conducted the initial NEI 07-07 self-assessment as required by the Section 3.1 and 3.1.a,c,d of Appendix B. The assessment included several Progress Energy participants from the Harris plant, Progress Corporate Office and one independent and knowledgeable individual from Southern Company. The site self-assessment report was approved on November 28, 2008. The NEI review team was contacted by the Brunswick point of contact (POC) in August 2009 to discuss conduct of the NEI review at which time applicable documentation was requested. The documentation was received by the NEI team leader in September 2009 and was distributed to the NEI review team members for review. Applicable follow-up questions were shared and resolved with the site contact ending December 14, 2009. The NEI team report was developed and reviewed by both the NEI team and Brunswick contact with the final report being approved on December 14, 2009.

As evidenced by the assessment results shown on attachment 1 (NEI 07-07 Appendix B) of this report, the NEI review team concludes that the Brunswick site has satisfactorily met the NEI 07-07 Objective/Acceptance Criteria. The NEI review team has provided recommendations for consideration by the Brunswick staff as indicated on Appendix B.

The assessment identified no deviations and one recommendation for improvement as described below.

2.0 Summary of Strengths/Good Practices:

- None

3.0 Discussion of Deviations from NEI 07-07:

- None

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4.0: Discussion of Areas for Improvement:

- One opportunity for improvement is provided for consideration (See Attachment 1)

- 1. The documentation provided by the Brunswick staff demonstrates that objectives 1.2.a,b,c,d have been met. However, a consolidated summary of SSCs, work practices and potential enhancements to leak detection systems/programs would be useful in documenting the overall groundwater program at Brunswick. Opportunity for Improvement: The station should consider developing a single consolidated list of potential enhancements identified, corresponding ARs and actions taken to improve leak detection systems. The same list should include potential enhancements to prevent spills or leaks. This could possibly be accomplished by expanding the BNP Appendix C Priority Index Workbook.

5.0: Documents/Materials Reviewed

- Site characterization reports
- Site drawings
- Condition reports
- Corporate and site procedures
- GW communication plans
- Effluent and Environmental Monitoring Reports
- GW well results
- ODCM
- Stakeholder communications
- NEI self-assessment report

6.0: List of Team Members and Utility/Site Contacts:

- Larry Haynes (Duke Energy) - Team lead
- Barry Muller (DTE) - Team member
- Dale Holden (Duke Energy) - Team member
- Louise England (Progress) - Progress POC
- Mike Millnor (Brunswick) - Site POC

Attachment 1: NEI 07-07 Appendix B

Prepared By: Larry E. Haynes	Date: 11/27/2009
Reviewed By: Barry Muller	Date: 12/7/2009
Reviewed By: Dale Holden	Date: 12/3/2009
Reviewed By: Mike Millnor	Date: 12/14/2009
Reviewed By (NED): Kathy Yhip	Date: 12/14/2009
Accepted By (Utility POC): Louise England	Date: 12/14/2009
Approved By (NEI Team Lead): Larry E. Haynes	Date: 12/14/2009