

March 19, 2004

MEMORANDUM TO: Laura A. Dudes, Chief
New Reactors Section
New, Research and Test Reactors Program
Division of Regulatory Improvement Programs
Office of Nuclear Reactor Regulation

FROM: Michael L. Scott, Dominion ESP Project Manager */RA/*
New Reactors Section
New, Research and Test Reactors Program
Division of Regulatory Improvement Programs
Office of Nuclear Reactor Regulation

SUBJECT: TRIP REPORT FROM SITE VISIT TO THE NORTH ANNA EARLY
SITE PERMIT (ESP) SITE AND AUDIT OF SITE HAZARDS AND
PHYSICAL SECURITY ASPECTS OF NORTH ANNA ESP
APPLICATION

On February 19, 2004, Kazimeras Campe and Michael L. Scott of the Office of Nuclear Reactor Regulation, and Al Tardiff of the Office of Nuclear Security and Incident Response, visited the site designated by Dominion Nuclear North Anna, LLC (Dominion) in its application for an ESP in accordance with 10 CFR Part 52. Attached is the trip report from this activity.

cc: D. Matthews
F. Gillespie
G. Tracy
J. Lyons
M. Tschiltz

Docket No. 52-008

Attachment: As stated

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NGilles ATardiff SMorris

ADAMS Accession #ML040680639

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|--------|---------|---------|---------|----------|---------|
| OFFICE | PM:RNRP | SC:DSSA | SC:NSIR | OGC | SC:RNRP |
| NAME | MScott | MRubin | SMorris | RWeisman | LDudes |
| DATE | 3/9/04 | 3/9/04 | 3/15/04 | 3/18/04 | 3/19/04 |

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**TRIP REPORT
SITE VISIT AND AUDIT
NORTH ANNA EARLY SITE PERMIT APPLICATION REVIEW
FEBRUARY 19, 2004**

Subject

Site visit and audit in support of review of site hazards and physical security sections of North Anna early site permit (ESP) application

Date of Travel

February 19, 2004

NRC staff participants

- Michael Scott, Division of Regulatory Improvement Programs, Office of Nuclear Reactor Regulation
- Kazimeras Campe, Division of Systems Safety and Analysis, Office of Nuclear Reactor Regulation
- Al Tardiff, Division of Nuclear Security, Office of Nuclear Security and Incident Response

Applicant staff participants

- Tony Banks, Environmental Lead
- Nelson Turner, Project Manager, Nuclear Protection Services
- Tim Maddy, Manager, Nuclear Protection Services
- George O'Connell, Reservoir Coordinator
- Joe Hegner, Lead Engineer--Licensing

Background/Purpose

By letter dated September 25, 2003, Dominion Nuclear North Anna, LLC (Dominion) submitted an early site permit (ESP) application to the NRC for a site designated in Dominion's application as the North Anna ESP site. By letter dated October 23, 2003, and by *Federal Register* Notice (68 FR 61705), the NRC accepted Dominion's application for review.

As part of the NRC staff's review of the Dominion ESP application, the staff assesses the compliance of the applicant's site safety analysis report (SSAR) with applicable regulations. In support of the staff's review of the applicant's SSAR, staff reviewers visit the ESP site to observe relevant onsite and local area conditions. The staff also audits information in the SSAR and its references. These audits may include visits to the applicant's offices to obtain better understanding of the application's contents through technical discussions with knowledgeable applicant staff.

This trip report documents the staff's site visit in the site hazards and physical security areas, as well as audits performed during the visit of information provided in the ESP application.

Discussion

Upon arrival at the site, the NRC physical security reviewer performed a tour of the site by vehicle and on foot to gather information to allow actual site conditions to be accurately documented. The site's physical characteristics with respect to waterborne-, air-, vehicle-, and land-based approaches to the site and protected area were observed. The proximity of the ESP site to offsite resources was investigated. The staff reviewer interviewed corporate security and site security personnel to ensure full understanding of information on physical security presented in the SSAR.

The site hazards reviewer was provided a tour of the site and surrounding area, including a drive in the vicinity of Lake Anna; the business center near Mineral, VA; and the Louisa County Airport (Freeman Field). While at the airport, the reviewer met with the Coordinator for the Industrial Development Authority of Louisa County. The Coordinator agreed to provide the NRC (by mail) projections of future industrial development in the local area.

The reviewer also interviewed members of the applicant's staff in order to help ensure full understanding of the following items presented in SSAR Section 2.2, "Nearby Industrial, Transportation, and Military Facilities:"

- Location of a recently zoned 620-acre industrial development area described as being adjacent to the Exclusion Area Boundary
- Military aircraft traffic rates for each of the three training routes in the vicinity of the site
- Types of pipelines located within 10 miles of the ESP site

No documents were provided by the applicant to the staff during this site visit.

Attachments

None