

VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

June 17, 1988

D. S. CRUDEN
VICE PRESIDENT-NUCLEAR

U. S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, D. C. 20555

Serial No. 88-281
NO/TAH:
Docket Nos. 50-338
50-339
License Nos. NPF-4
NPF-7

Gentlemen:

VIRGINIA ELECTRIC AND POWER COMPANY
NORTH ANNA POWER STATION UNITS 1 AND 2
CITIZEN CONCERN REGARDING ROCK QUARRY BLASTING ON GEOLOGICAL FAULT

On May 5, 1988, the NRC requested that Virginia Electric and Power Company investigate a concern received by a private citizen about a proposed rock quarrying operation. The concern was that the blasting would be in the same geological fault as the North Anna units and could result in damage to the units via the fault.

We contacted Louisa County about any quarry applications within 5 miles of the plant as referenced in your letter. We were informed that no applications had been submitted to the Planning Commission. We also contacted the State Department of Mines, Mineral and Energy, Division of Mineral Mining which must approve all mining and quarrying operations. At that time they had received no new applications for quarrying in Louisa County. They did advise us that the blasting in quarrying and mining is strictly controlled by them and would conform to national standards.

On May 31, 1988 we received, by telephone, additional information from the NRC. At that time we were informed of the name of the company and the proposed location of the quarry. (Note that this new location is approximately 9 miles from North Anna Power Station.) We were also informed that the application has been before the Louisa County Planning Commission and was rejected. However, the application may still be submitted to the County Board of Supervisors in July 1988.

We contacted the Louisa County officials and found that the application was rescheduled to be reviewed by the Planning Commission in a June 8, 1988 public meeting. The application was again rejected.

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Even if the application should be eventually approved, we are confident that any blasting performed within the limitations of the state required permits will have no effect on the safe operations or structures of the North Anna Power Station. Rock quarrying operations have been ongoing around the North Anna Power Station for many years with no impact. Blasting activities were recorded during the construction of the station and confirmed that there was no link between the blasting operations and fault activity. During construction, blasting took place above, below and within the fault itself and resulted in no geologic or foundation problems to structures.

Therefore, based on past on-site blasting experience, past rock quarrying operations in the vicinity of the site, and the state controlled limitations on future quarrying and mining blasting, Virginia Electric and Power Company is confident that there would be no impact on North Anna Power Station or reactivation of the fault as a result of the proposed rock quarrying operation.

Very truly yours,



D. S. Cruden

cc: U. S. Nuclear Regulatory Commission
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Mr. J. L. Caldwell
NRC Senior Resident Inspector
North Anna Power Station