

DUKE POWER COMPANY

ELECTRIC CENTER, BOX 33189, CHARLOTTE, N. C. 28242

L. C. DAIL
VICE PRESIDENT,
DESIGN ENGINEERING

September 27, 1984

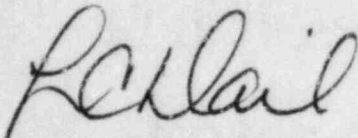
Mr. George Knighton, Chief
Licensing Branch No. 3
Division of Licensing
U. S. Nuclear Regulatory Commission
Washington, DC 20555

Re: Cherokee Nuclear Station
Docket Nos. 50-491, 50-492, and 50-493
Files: P81-1412.06, CK-1472.00

Enclosed are six (6) copies of our response to your June 14, 1984 request for additional information in order for you to complete your review of our Cherokee Site Stabilization Plan.

If you have any questions regarding this submittal, please contact us.

Very truly yours,



L. C. Dail, Vice President
Design Engineering

JHM/pam

Enclosures

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Drawings
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Question 1

Provide a site plan showing areas (including transmission corridors) disturbed by construction-related activities. Identify the specific use of each disturbed area. Estimate acreage for each such disturbed area.

Response

All areas disturbed by construction-related activities are shown on Figure 1, "Areas Disturbed During Construction." Table 1 of this attachment provides a listing of each area, the area's intended and present uses, erosion controls implemented and the area's approximate acreage.

Question 2

Identify on the site plan all structures. Indicate which structures will be removed and which will remain. Provide a schedule for removal of structures and describe the method of debris disposal.

Response

Figure 2, "Existing Plant Structures and Construction Facilities," identifies all structures located on the site. All complete and partially complete structures (shown without cross-hatching on Figure 2) will remain on site in essentially their present conditions. Barriers to prevent unauthorized entry have been erected around any structure which may pose a potential threat to the safety of the public or any Duke employee. Temporary or construction facilities (shown with cross-hatching on Figure 2) will be dismantled and removed as they are needed for other construction sites. Maintenance and storage of these facilities in an erected position is more practical and economical than maintenance and storage of dismantled structures. Concrete slabs associated with dismantled structures will remain in place. All other debris will be buried in the construction landfill located on site.

Question 3

Describe the status of the site, with particular attention to disturbed areas and to related erosion and runoff control measures.

Response

All areas disturbed by construction-related activities have been stabilized and no significant erosion or runoff problems exist. Small, isolated erosion problems are handled and eliminated by the site maintenance crew as they occur. All site runoff has been directed to holding ponds, where it is then discharged into the Broad River. Table 1 specifies the erosion controls implemented in each area of the site disturbed by construction related activities.

Question 4

Describe plans for future use of the site to the extent that such plans have influenced the selection of site restoration activity, if any. Indicate the anticipated schedule for future use and describe how the future use influences the proposed restoration work.

Response

Duke Power Company has decided that the Cherokee Nuclear Station site will

not be retained as a power plant site. Beyond this, the future use of the site has not influenced site restoration activity.

Question 5

Describe proposed restoration activities, if any, including procedures and schedules for grading, seeding, and planting which will be done to leave the site in a stable condition.

Response

All areas disturbed by construction-related activities have been stabilized. Areas excavated to rock were considered stable and did not receive any additional surface treatment. Areas used for borrow or spoil have been graded and seeded, as necessary, to prevent erosion and runoff problems. All areas used for the storage of construction materials have been graded and graveled. All site runoff has been directed to holding ponds, where it is then discharged into the Broad River. For the erosion control measures implemented for each specific area of the site, see Table 1.

Question 6

Indicate what permits and approvals will be needed from other federal, state, or local agencies for any of the site restoration work.

Response

The construction runoff and sanitary waste portions of the NPDES permit must be kept in effect until an adequate land cover has developed to prevent erosion and all personnel have left the site. The NPDES permit for these discharges is currently being renewed. No other permits are required for site restoration activities.

TABLE 1

AREA NO.	INTENDED FACILITY USE	PRESENT USE	EROSION CONTROL STATUS	APPROX. ACREAGE
I	NSW Dams, Pond and Spillway	NSW Dams, Pond and Spillway	(1) Earth slopes Grassed (2) Rip-rap on Dam Slopes	214
II	NSW Cooling Towers and NSW Pump Structure Area	NSW Cooling Towers and NSW Pump Structures	Graded; Earth Slopes Partially Grassed	7
III	Unit 1 & 2 Cooling Tower Yard	NONE	Graded and Graveled Slopes Grassed	30
IV	Powerhouse Yard	NONE	Grassed, Natural Growth	13
V	Powerhouse Yard	Borrow Area	Graded, Grassed	7
VI	Powerhouse Yard	Motor Pool	Graded and Graveled	6
VII	Future Switchyard	Borrow Area	Graded and Grassed	22
VIII	NONE	Borrow Area	Natural Growth	19
IX	Main Switchyard	Storage of Construction Materials	Graded and Graveled	17
X	NONE	Construction Offices; Storage of Construction Materials, Parking Areas	Graded and Graveled	21
XI	Powerhouse Yard	Borrow Area; Powerhouse Yard	Earth Slopes Stabilized; Unit 2 Reactor Bldg. Excavation to Rock	69

TABLE 1

AREA NO.	INTENDED FACILITY USE	PRESENT USE	EROSION CONTROL STATUS	APPROX. ACREAGE
XII	Settling Ponds	NONE	Graded, Natural Growth	17
XIII	Auxiliary Holding Pond and Dams	Borrow Area; Holding Pond	(1) Earth Slopes Grassed & Rip-rapped (2) Rip-rap on Dam Slopes	13
XIV	Powerhouse Yard	Construction Offices; Storage of Construction Materials; Spoil Areas	Graded and Graveled Slopes Grassed	142
XV	Unit 3 Cooling Tower Yard	NONE	Graded and Graveled Slopes Grassed	11
XVI	Meteorological House Towers	NONE	Graded and Graveled	1
XVII	Sedimentation Basin and Dams; Sewage Treatment Facilities Access Road	Borrow Areas; Access Road, Sedimentation Basin Dam	Rip-rap on Dam	88
XVIII	NONE	Borrow Area; Storage of Construction Materials	Graded and Graveled	7
XIX	NONE	Borrow Area	Natural Growth	7
XX	NONE	Storage of Construction Materials	Graded and Graveled	13
XXI	NONE	Storage of Construction Materials	Graded and Graveled	22

TABLE 1

AREA NO.	INTENDED FACILITY USE	PRESENT USE	EROSION CONTROL STATUS	APPROX. ACREAGE
XXII	Transmission Corridor	NONE	Grassed, Natural Cover	43
XXIII	NONE	Storage of Construction Materials	Graded and Graveled	4
XXIV	Construction Landfill	Landfill	Partially Graded, Some Natural Cover	12
XXV	NONE	Storage Yard	Graded and Graveled	5
XXVI	Site Access Road, Roads to Visitor Overlook and Microwave Tower	Site Access Road, Roads to Visitor Overlook and Microwave Tower	Graded and Graveled	13
XXVII	NONE	Spoil Area	Graded and Grassed; Natural Growth	15
XXVIII	Site Perimeter Fence	Site Perimeter Fence.	Grassed	23

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