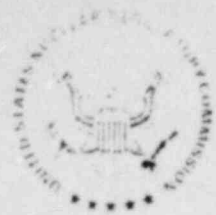


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UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

JUN 26 1980

Docket Nos. 50-445  
and 50-446

MEMORANDUM FOR: Wm. H. Regan, Jr., Chief, Siting Analysis Branch, DE  
Robert E. Jackson, Chief, Geosciences Branch, DE  
George Lear, Chief, Hydrologic and Geotechnical Engineering  
Branch, DE  
Robert W. Houston, Chief, Accident Evaluation Branch, DSI  
Thomas D. Murphy, Chief, Radiological Assessment Branch, DSI  
William P. Gammill, Chief, Effluent Treatment Systems Branch, DSI  
Ronald L. Ballard, Chief, Environmental Engineering Branch, DE  
Jerome D. Saltzman, Chief, Utility Finance Branch, DE  
James Carson, Argonne National Laboratory

FROM: Albert Schwencer, Chief, Licensing Branch 2, DOL

SUBJECT: COMANCHE PEAK UNITS 1 AND 2 ENVIRONMENTAL REVIEW

The purpose of this memorandum is to provide background information on the schedule, content and form of the Comanche Peak Operating License Stage environmental review. With this basic information, the assigned NRC and ANL staffs can initiate the appropriate NEPA review and technical oversight functions.

The Operating License stage environmental review for the Comanche Peak Steam Electric Station (CPSES) is scheduled to commence June 23, 1980. The environmental statement will be prepared by a team from Argonne National Laboratory (ANL), except for those sections addressing radiological impacts and radioactive waste management systems, which will be prepared by NRC staff. Editorial and art services, and preparation for printing will be provided by ANL. A list of the ANL and NRC reviewers for Comanche Peak and their areas of responsibility is attached (see Attachment 1).

A preliminary schedule has been developed (see Attachment 2) which calls for DES publication on December 5, 1980, and FES publication on May 8, 1981. Adherence to this schedule is important due to an anticipated fuel load date of February 1982 and to the fact that the environmental hearing is contested.

The environmental statement outline that is to be used for this review (see Attachment 3) is consistent with the proposed revision of 10 CFR Part 51 which reflects the Commission's policy to abide by the procedural regulations

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of the Council on Environmental Quality implementing the National Environmental Policy Act. This format is similar to that being used by the staff for the Grand Gulf and Waterford environmental reviews. (See also the "NRC/ANL Interaction During the Preparation of Environmental Statements: Ad Hoc Committee Final Report" dated December 3, 1979.)

In keeping with the proposed revised regulations for 10 CFR Part 51, maximum use must be made of the data, analyses and conclusions presented by the staff during the Construction Permit environmental review. Our review during the OL proceeding should concentrate on new information and revised regulatory procedures, as required by law or as undertaken in accordance with executive orders and as implemented through the Environmental Standard Review Plans. Repetition of data or unchanged analyses from the CP review is unnecessary because the CP FES will be circulated with the OL DES.

This review is complicated by the fact that the Environmental Report, Operating License Stage, for CPSES was tendered on March 1, 1978. An Acceptance Review was conducted and the ER was docketed. However, further review effort has been suspended until now. Therefore, it is important that all members of the review team (1) identify areas of the ER that must be updated for the two-year period since our last review effort, and (2) perform a full completeness review of the ER to account for any changes in NRC informational needs since March 1978. This information should be sent to the Licensing Project Manager, Spottswood B. Burwell, with a copy to John Lehr, Environmental Engineering Branch, Division of Engineering, the environmental review coordinator.

Should there be questions or comments concerning the proposed review assignments, schedule, scope, or approach, notify the Licensing Project Manager as soon as possible.



Albert Schwencer, Chief  
Licensing Branch 2  
Division of Licensing

Attachments:

1. List of Reviewers
2. Review Schedule
3. DES Outline

cc: See next page

cc: w/attachment

S. Burwell            F. Miraglia  
J. Lehr  
C. Hickey  
M. Kaltman  
S. Feld  
A. Sinisgalli  
C. Ferrell  
H. LeFevre  
O. Thompson  
R. Rothman  
F. Akstulewicz  
H. Krug  
A. Chu  
W. Pasciak  
F. Skopec  
J. Baegli  
M. Rothschild  
R. Gonzales

w/o attachment

H. Denton  
E. Case  
R. Tedesco  
D. Eisenhut  
R. Vollmer  
D. Ross  
W. Kreger  
J. Knight  
D. Muller  
R. Zussman, ANL  
P. gustafson, ANL

Comanche Peak Steam Electric Station

OL Stage Environmental Review

Environmental Review Team - Argonne National Laboratory - DES Input

Project Leader - Jim Carson  
Terrestrial Ecologist - Phyllis Stearner  
Aquatic Ecologist - Emily Christian  
Cost Benefit & Need for Power - Mike Nathanson  
Social Impacts - Stan West  
Archeology - Sue Ann Curtis  
Cooling Pond Impacts - Jim Carson  
Water Quality, Chemical Impacts - Vanessa Harris  
Thermal Plume Hydrology - Steve Tsai  
Geologist/Seismology - Majorie Rynoe

NRC Reviewers - Technical Oversight

Environmental Review Coordinator - John Lehr  
Regional Impacts - Michael Kaltman  
Need for Power, Alternatives - Sid Feld  
Water Quality, Chemical Impacts - John Lehr  
Aquatic Ecology - Clarence Hickey  
Terrestrial Ecology - Robert Geckler  
Foundations - Owen Thompson  
Seismology - Robert Rothman  
Geology - Harold LeFevre

NRC Reviewers - DES Input

Demography - Charles Ferrell  
Site Hazards Analysis - Anton Sinisgalli  
Meteorology - Jackie Lewis  
Accident Evaluation: Systems Analysis - Frank Akstulewicz; Angela Chu  
Accident Evaluation: Radiological Analysis - Harold Krug  
Radiological Impact - Walt Pasciak  
Radiological Protection - Frank Shopec  
Effluent Treatment System - Jack Boegli  
Hydrology - Ray Gonzales

Tentative

## Comanche Peak OL Review Milstones

Assign Lab Team and Re-Start ER Review	June 23
Propose List of Required ER Update Items	July 3
Propose List of Other ER Questions	July 11
Transmit Informal Questions to Applicant	July 25
Conduct Site Visit	Aug 4-8
Transmit Formal ER Questions to Applicant	Aug 15
Applicant's Responses to Questions Received	Sept 12
NRC Staff and Lab Team Inputs to DES Received	Oct 17
PDES Complete	Oct 31
Green Cover Review	Nov 14
Issue DES	Dec 5
End of Comment Period	Feb 6, 1981
Receive Responses to Comments	March 6
Complete Section II	March 20
FES Review	April 10
Issue FES	May 8
Complete Testimony - "basis" testimony to be bound into FES	May 8
Begin Environmental Hearings	June 8



Enclosure 1

ENVIRONMENTAL STATEMENT FORMAT AND REVIEW RESPONSIBILITIES FOR  
COMANCHE PEAK

- . COVER SHEET
- . SUMMARY
- . TABLE OF CONTENTS (EDITOR)
- . FOREWARD
- 1. INTRODUCTION
  - 1.1 The Proposed Project
  - 1.2 Administrative History
    - 1.2.1 Prior Staff Action
    - 1.2.2 Public Participation
    - 1.2.3 Status of Reviews and Approvals
  - 1.3 Related Federal Project Activities
  - 1.4 Major Issues and Areas of Controversy
- 2. NEED FOR THE PROPOSED PROJECT
  - 2.1 Description of the Power System
  - 2.2 Electrical Energy and Peakload Demand
  - 2.3 Power Supply
  - 2.4 Staff Assessment of Need
- 3. ALTERNATIVES TO OPERATION OF GRAND GULF
- 4. AFFECTED ENVIRONMENT
  - 4.1 Project Descriptions
    - 4.1.1 External Appearance and Plant Layout
    - 4.1.2 Plant Cooling System

- 4.1.3 Radioactive-Waste-Management Systems
- 4.1.4 Nonradioactive Waste Systems
- 4.1.5 Power Transmission Systems
- 4.2 Project-Related Environmental Descriptions
  - 4.2.1 Land
  - 4.2.2 Water
  - 4.2.3 Air
  - 4.2.4 Terrestrial Ecology
  - 4.2.5 Aquatic Ecology
  - 4.2.6 Historic and Archeological Sites
  - 4.2.7 Socioeconomics
- 5. ENVIRONMENTAL CONSEQUENCES OF THE PROPOSED ACTION
  - 5.1 Land Use Impacts
  - 5.2 Water Use and Hydrological Impacts
  - 5.3 Air Quality Impacts
  - 5.4 Terrestrial Ecology Impacts  
(including tower impacts)
  - 5.5 Aquatic Ecology Impacts
  - 5.6 Historic and Archeological Site Impact  
(including visual impact)
  - 5.7 Socioeconomic Impacts
  - 5.8 Radiological Impacts
    - 5.8.1 Radiological Impacts of Normal Operation
    - 5.8.2 Plant Accidents
    - 5.8.3 Uranium Fuel Cycle Impacts

- 5.9    Decision-Making
- 5.10   Project Modifications to Avoid or Mitigate Impacts
- 5.11   Conflicts with the Proposed Action
- 6.    EVALUATION OF THE PROPOSED ACTION
  - 6.1   Measures and Controls to Limit Adverse Impacts
    - 6.1.1   Project Design
    - 6.1.2   Operating Practices
    - 6.1.3   Monitoring Provisions
  - 6.2   Unavoidable Adverse Impacts
  - 6.3   Irreversible and Irretrievable Commitments of Resources
  - 6.4   Relationship Between Short-Term Productivity of Man's Environment
  - 6.5   Benefit-Cost Balance
    - 6.5.1   Benefits
    - 6.5.2   Costs
    - 6.5.3   Conclusions
- 7.    PROPOSED RECORD OF DECISION
- 8.    LIST OF PREPARERS
- 9.    LIST OF AGENCIES, ORGANIZATIONS, AND PERSONS TO WHOM COPIES OF THE STATEMENT ARE SENT
- 10.   STAFF RESPONSES TO COMMENTS
  - .    INDEX (EDITOR)
  - .    APPENDIX