

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

Docket - 50358 -- 100

OCT 21 1975

Docket No. 50-358

Daniel R. Muller, Assistant Director for Environmental Projects
THRU: B. J. Youngblood, Chief, Environmental Projects Branch 3 *[Signature]*

TRIP REPORT ON SITE VISIT TO THE WM. H. ZIMMER NUCLEAR POWER STATION,
UNIT 1, MOSCOW, OHIO

During the week of October 6, 1975, NRC staff conducted a site visit at the Wm. H. Zimmer Nuclear Power Station, Unit 1, near Moscow, Ohio. NRC staff was represented by the Environmental Project Manager (EPM) and members of the Radiological Assessment (RAB), Cost Benefit Analysis (CBAB) and Environmental Specialist (ESB) Branches. Aside from meeting with the applicant, the Cincinnati Gas and Electric Company (CG&E), and his consultant, Sargent and Lundy (S&L), NRC staff met with various local and state level officials.

A summary of the site visit's schedule and meeting participants is attached.

On October 6, 1975, D. Nash, CBAB, met with representatives from the Clermont County Planning Commission and the Richmond School District Board of Education. **MASTER**

On October 7, 1975, NRC staff met with CG&E and S&L staff at CG&E's offices in Cincinnati, Ohio. The meeting consisted of NRC staff concerns to the applicant, and a general overview by the CG&E staff of construction activities. Specific topics discussed included:

- The possible future change in tax revenue distribution.
- Construction work force impacts due to commuting personnel.
- The clarification of radiological monitoring sites and transport media uses.
- The format for reporting the Environmental Technical Specifications.
- The suspended solids concentration of the Ohio River, and possible turbidity increases due to the Zimmer Station.



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- The depth and volume of the settling basin.
- The type and level of wastewater treatment during construction and operation.
- The status of the PL 92-500 Section 401 certification and Section 402 discharge permit (NPDES).
- Commercial fish data collected by either the States of Ohio or Kentucky.

During the meeting, CG&E issued an informal report containing responses to NRC concerns arising from the tendered Environmental Report (ER) review. This report, like the docketed ER, duplicated many of the responses which the applicant gave orally during the meeting.

During the afternoon session of the CG&E meeting, D. Nash met with members of the Ohio-Kentucky-Indiana (OKI) Regional Planning Authority in Cincinnati.

October 8, 1975, was spent at the Zimmer site, and in the adjacent town of Moscow, Ohio. Due to poor weather, the helicopter fly-over of the site and transmission right-of-way was postponed one day; in its place, NRC staff inspected the Local Public Document Room at the Clermont County Library in Batavia, Ohio. Points of interest during the site visit included the reactor vessel and building, the turbine and radwaste buildings, the cooling tower, the pump house, and Little Indian Creek. Zimmer Unit 1 is presently 35% complete.

During the morning of October 9, 1975, S. Bland and the ESB team participated in a fly-over of the Zimmer site, proposed monitoring sites, and the transmission right-of-way.

Concurrent with the fly-over during October 9, J. D. Jackson met with the Clermont County Commissioners in Batavia, Ohio, and the Ohio Department of Transportation (DOT) in Lebanon, Ohio. The Clermont County Commissioner meeting centered around local sentiment regarding the power station, and environmental impacts including aesthetics, traffic and noise. The meeting with the Ohio DOT staff focussed upon traffic impacts and mitigation measures due to the construction force.

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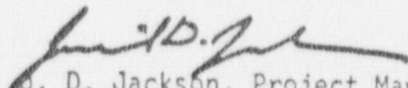
During the afternoon of October 9, 1975, the NRC staff met with staff representing the Ohio Environmental Protection Agency (EPA), the Ohio Power Siting Commission, and the Ohio Department of Health at the Ohio EPA offices in Columbus, Ohio. The meeting consisted primarily of water quality questions by the NRC staff, and environmental statement comments by Ohio Power Siting Commission staff. Specifically, NRC discussion included:

- The regional USEPA chlorine limit for discharge wastes, and its relationship with the Zimmer Station.
- State level discharge permit status.
- Ohio River water quality standards.
- Surface runoff monitoring programs (NRC staff noted the observed high turbidity within Little Indian Creek, presumably the result of Zimmer site runoff).
- The discharge location and treatment level of sewage from the construction work force.
- Possible concern over asbestos fibers within liquid and gaseous wastes.

Ohio Power Siting Commission staff noted the following concerning the NRC environmental statement (OL stage):

- Updated cost-benefit analysis.
- Recalculated source term.
- Modification of the 0.8 use factor.
- Updated need for power section.

The CBAB staff member was requested to prepare a trip report summarizing the pertinent details of his individual discussions with local officials.


S. D. Jackson, Project Manager
Environmental Projects Branch 3
Division of Reactor Licensing

SUMMARY OF ZIMMER SITE VISIT SCHEDULE
AND PARTICIPATING PERSONNEL

NRC Team: J. D. Jackson, EPM
J. S. Bland, RAB
D. A. Nash, CBAB
T. D. Cain, Aquatic Biologist, ESB
J. R. Kline, Terrestrial Ecologist, ESB
A. Steen, Aquatic Ecologist, ESB
J. C. Lehr, Environmental Engineer, ESB

MONDAY, OCTOBER 6, 1975

Meeting between D. A. Nash, CBAB and local officials: Clermont County Planning Commission and the Richmond School District Board of Education*.

TUESDAY, OCTOBER 7, 1975

Applicant Meeting (10:00 AM to 4:00 PM)

Cincinnati Gas and Electric Company (CG&E):

J. D. Flynn, Manager, Licensing and Environmental Affairs
J. R. Schott, Zimmer Station Superintendent
E. E. Galloway, Principal Environmental Engineer
G. M. Pemberton, Principal Licensing Engineer
H. E. Crail, Assistant Principal Structural Engineer

Sargent and Lundy:

R. Schuetz, Environmental Engineer (ER Coordinator)
J. Tseng, Environmental Engineer/Health Physicist
L. Pocalujka, Meteorologist
R. K. Kennedy, Plant Ecologist

NRC:

J. D. Jackson (10:00 AM to 4:00 PM)
J. S. Bland (10:00 AM to 4:00 PM)
D. A. Nash (10:00 AM to 1:30 PM)
J. R. Kline (2:00 PM to 4:00 PM)
J. C. Lehr (2:00 PM to 4:00 PM)
T. D. Cain (2:00 PM to 4:00 PM)
A. Steen (2:00 PM to 4:00 PM)

Meeting between D. A. Nash, CBAB and Ohio-Kentucky-Indiana (OKI) Regional Council of Governments (1:30 PM to 3:30 PM)*

WEDNESDAY, OCTOBER 8, 1975

Site Visit, Wm. H. Zimmer Nuclear Power Station (9:30 AM to 2:30 PM)

CG&E:

R. Link

NRC:

J. D. Jackson (9:30 AM to 1:00 PM)
J. S. Bland (9:30 AM to 1:00 PM)
J. R. Kline (9:30 AM to 1:00 PM)
J. C. Lehr (9:30 AM to 2:30 PM)
T. D. Cain (9:30 AM to 2:30 PM)
A. Steen (9:30 AM to 2:30 PM)

Clermont County Library:

D. Connor (9:30 AM to 11:30 PM)

Tour of Moscow, Ohio (12:30 PM to 1:00 PM)

NRC:

Same as for Site Visit

Inspection of Local Public Document Room, Clermont County Library,
Batavia, Ohio (2:00 PM to 2:30 PM)

NRC:

J. D. Jackson
J. S. Bland
J. R. Kline

Clermont County Library:

D. Connor

THURSDAY, OCTOBER 9, 1975

Helicopter Fly-over of Site and Transmission Right-Of-Way (9:00 AM to
11:00 AM)

NRC:

J. R. Kline
J. S. Bland
J. C. Lehr
T. D. Cain
A. Steen

Meeting Between J. D. Jackson and Clermont County Commissioners (9:00 AM to 10:00 AM)

NRC:

J. D. Jackson

Clermont County Commissioners:

T. Hogan

Citizen of Moscow:

B. Whitford

Cincinnati Enquirer (Batavia Bureau):

unidentified reporter

Meeting Between J. D. Jackson (in lieu of D. A. Nash) and the Ohio Department of Transportation (11:00 AM to 12:00 NOON)

NRC:

J. D. Jackson

Ohio Department of Transportation:

K. Feller, District Traffic Engineer
R. Palmer, Assistant District Traffic Engineer

Meeting with State Level Public Officials, Columbus, Ohio (2:00 PM to 4:00 PM)

Ohio Environmental Protection Agency:

E. Richards, Assistant Director
G. Wright, Environmental Assessment
D. Goodwin, Industrial Wastewater
G. Garrett, Water Quality Standards

Ohio Power Siting Commission:

H. W. Kohn, EPA Liaison
Y. Park, Nuclear Engineer

Ohio Department of Health:

J. Wynd, Radiological Unit

NRC:

J. D. Jackson
J. S. Bland
T. D. Cain
J. C. Lehr
J. R. Kline
A. Steen

* Details of meetings (October 6 and 7) between local officials and CBAB will be discussed in a separate trip report.