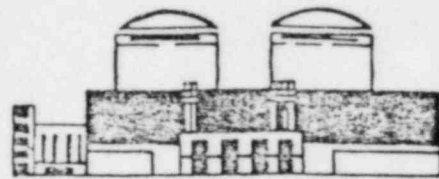




CONSUMERS
POWER
COMPANY

W. Lovelace



MIDLAND REVIEW

Volume 2, Number 12

March 14, 1983

Pier 9 Excavation Begins

Mergentime crews have completed the horizontal drift to Pier 9 and are starting to excavate the 45-foot deep, 4 ft by 6 ft vertical pier. The drift is horizontally from the access shaft some 200 feet beneath the FIVP, then turns for another 10 feet beneath the turbine building. Also in the soils area, jacks have been installed between the turbine building and the completed Pier 12 West and load transfer was made this week. Similar work will soon be done on 12 East. Mergentime crews are working 2 ten-hour shifts, six days a week.

Divers Working in Pond

Underwater divers entered the cooling pond this week and are installing a hydraulic seal between the circulating water pumphouse and service water building. The seal will stop water from flowing into the area surrounding the service water pump structure which will have foundation support added.

Zack Starting Welder Certification Program

New welding procedures for Zack welders have been prepared and work started last Monday to certify the Zack welders to these new procedures. The new procedures and certification is being done as a result of an audit performed November 30, 1982, on the Zack certification program. As a result of the audit, performed by the HVAC quality assurance section, Zack work on safety-related systems has been stopped since then. Pending NRC approval, HVAC safety-related production work could soon resume.

Circulating Water Pump Motors Tested

Test engineers have operated for the first time the circulating water pump motors, located in the circulating water pumphouse adjacent to the cooling pond. The pumps will be tested next, in preparation for the flushing of the condenser and secondary side of the plant.

Cable Reinspection Continues

Reinspection by MPQAD of over 9,000 safety-related electric cables is continuing. QA records indicate that as of March 7, some 7,276 electric circuits have been verified for correct cable code and seven incorrect cables have been detected since the reinspection began in October.

Work Supports Evaporator Testing

The plant chemistry department has been working three shifts to support filling one of the large grey Dow water storage tanks. Water from the tank will be pumped through the process steam evaporator system as part of the plant test program. In a separate item, the ECO group has completed an extensive program to check out the electrical system on design modifications made to the plant's demineralized water storage and transfer system.

why?

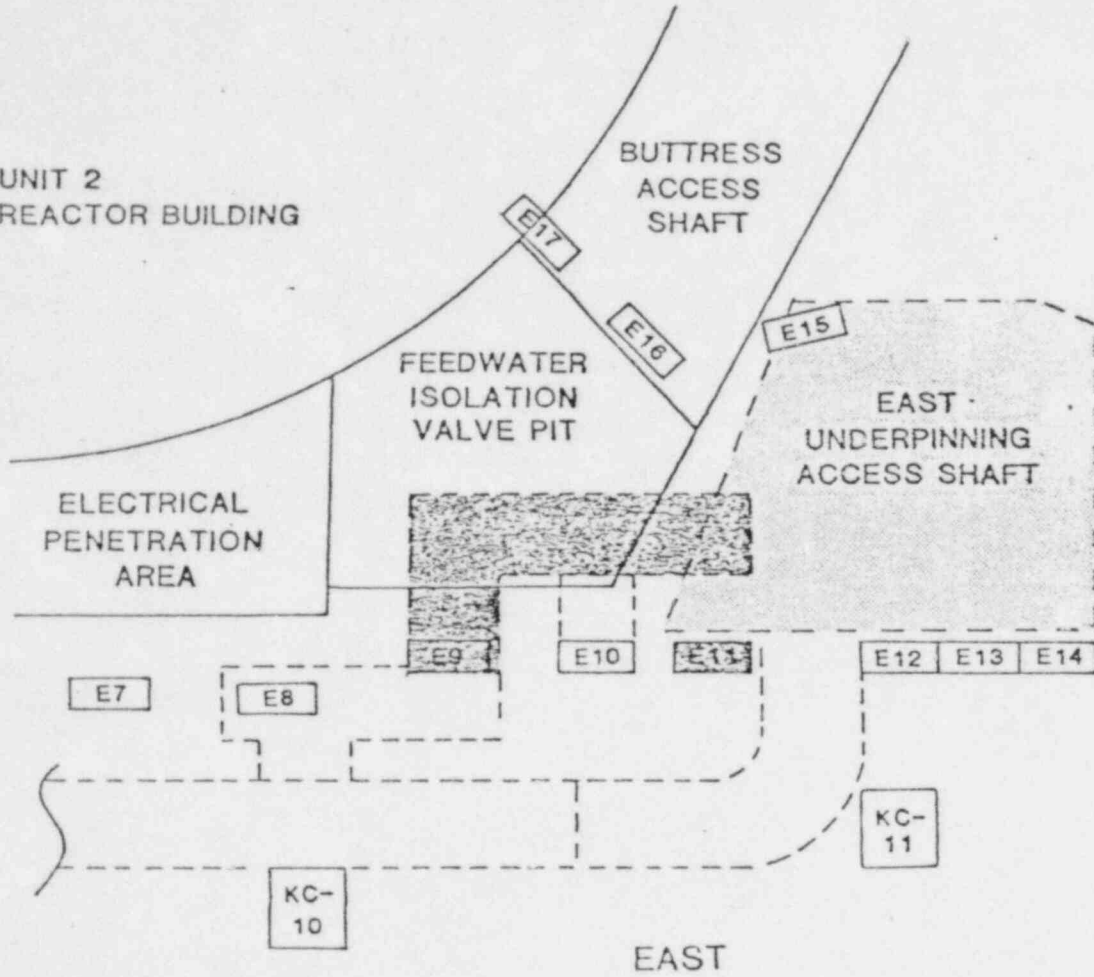
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PDR FOIA
ZACK83-579 PDR

B/64



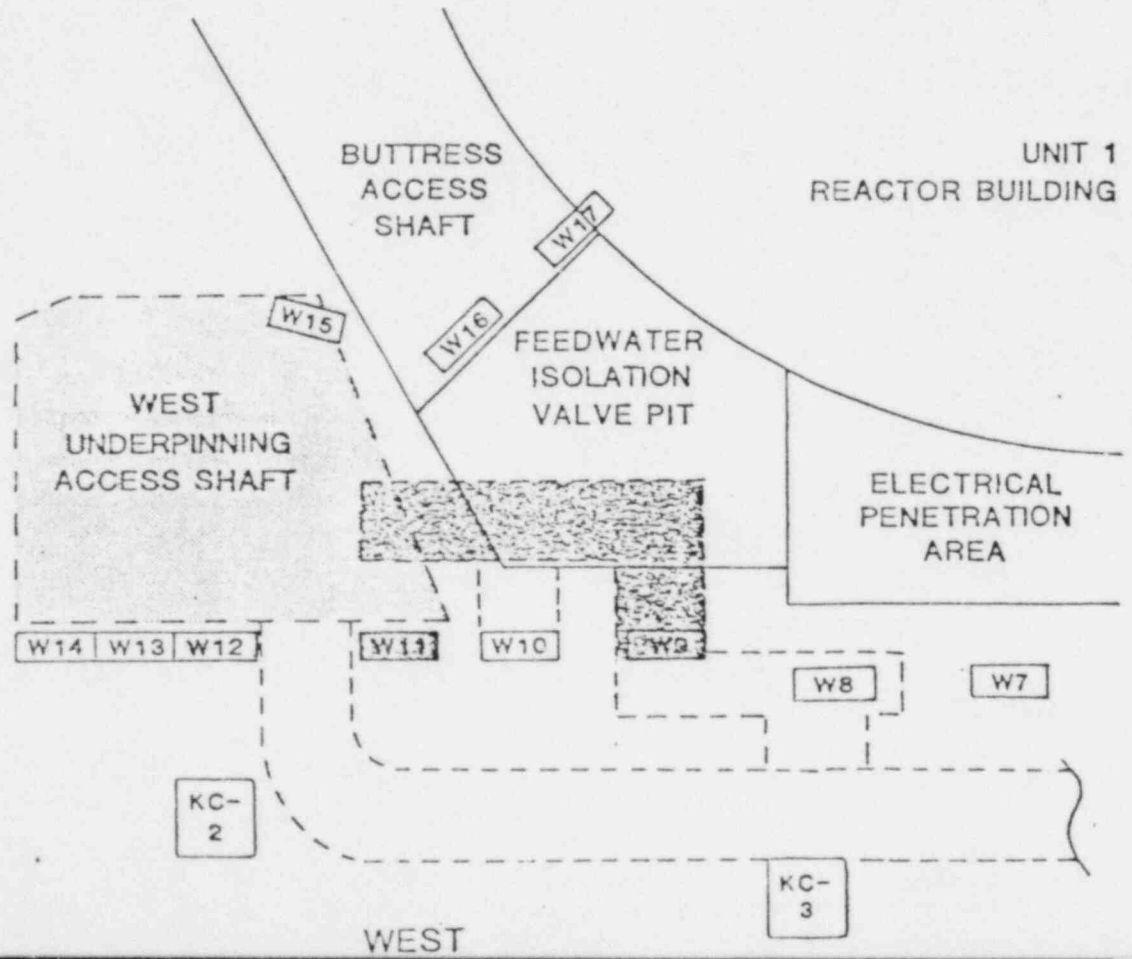
PHASE II OF AUX. BLDG. UNDERPINNING

UNIT 2
REACTOR BUILDING



Completed
 In Progress

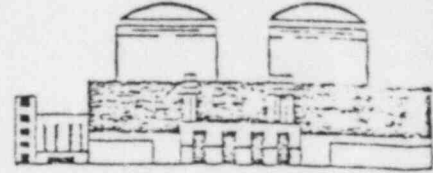
UNIT 1
REACTOR BUILDING



Completed
 In Progress



Consumers
Power
Company



MIDLAND REVIEW

Volume 2, Number 13

March 22, 1983

Operations Moves Into Control Room Area

The Midland Operations group moved Friday from the shift supervisor office on the second floor of the plant administration building to the plant supervisor's office adjacent to the control room. The new office will be staffed three shifts daily, seven days a week. The operations department is routinely operating makeup demineralizers, auxiliary boilers, the process steam control room and the house service air compressors, located in the turbine building. The new extension for the operations group is 602.

Operating License Hearings Scheduled

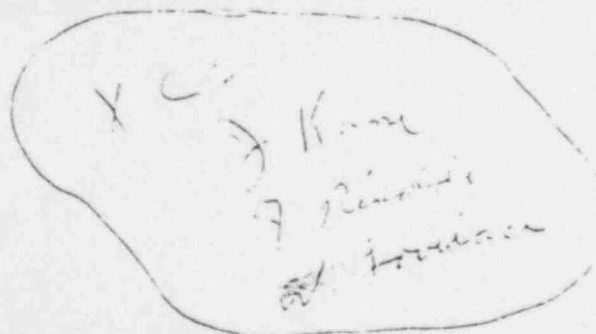
The Atomic Safety and Licensing Board (ASLB) will reconvene the operating license hearings March 28-April 1 to hear testimony on two OL contentions -- steam generator tube integrity, and the assessment of the likelihood and severity of "severe accidents" in the Draft Environmental Statement (DES/Precursors Contention). Also, on March 29, the Board will hear limited appearance statements from members of the public. These statements give the public an opportunity to state a position and raise questions which he or she would like to have answered.

Soils Work in Progress

Load transfer for Pier 12E was accomplished last week and Mergentime crews are beginning work on Pier 11E. Similar work was accomplished last week with Pier 11W. Also, the horizontal drifts for Piers 9W and E have been completed and the 35-foot deep vertical piers are proceeding to the bottom bell excavation. In the near future, work activities will begin on Piers 8 and 10 and on modifications to beam connections in the auxiliary building. Also, work will be starting soon on deep utility probing and dewatering well installation in the service water pump structure and on preparatory work for the new BWST tank foundations.

Siren Test Successful

The City of Midland successfully tested the 22 electronic sirens located within city limits. The sirens are part of the prompt public notification system being installed in accordance with nuclear plant site emergency plan requirements. The test, conducted March 19, verified the audible sound level and the rotational features of the pole mounted sirens. The city will use the sirens located within city limits for adverse weather warning.



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As the warm weather continues and construction activity increases on the site, more visitors are expected to be touring the site. Groups from various engineering societies in the Saginaw Valley area, industrial development representatives, government officials, and other power company employees have either toured or are planning to visit in the next few months. In addition Consumers Power's Speakers Bureau project is being community concerned about the plant. Many of the members have also providing some of being used in so added another, the nuclear plant & payoffs for the cost

BETWEEN THE LINES

GM-0122

Consumers Power Company today announced new dates for the completion of the Midland Nuclear Cogeneration Plant and a new cost estimate for the project.

The completion of Unit 2, the plant's lead unit, will be shifted by 14 months from late July 1983 until the first of October 1984. The commercial operation date will likewise shift by 14 months, until February 1985. The Unit 1 fuel load date is now February 1985, a change of 13 months and its commercial operation date is projected for August 1985, a change of 12 months.

The cost of the project is now estimated at \$4.43 billion.

The new cost and schedule were announced this afternoon in Jackson at Consumers Power Company's annual meeting by John D. Selby, chairman of the board. A press conference was held in Jackson following the meeting.

Selby said the principal reasons for the changed schedule were the auxiliary building underpinning program and the remaining work to complete the plant. The company will implement revised quality control and quality assurance programs to meet requirements and expectations of the Nuclear Regulatory Commission.

In remarks to the media, Vice President James W. Cook said:

"The development of the new project schedule is the result of a complete analysis of project status and the evaluation of our planning and work performance over the past several years. Our previous schedule was set in June 1980 at that time we projected Unit 2 fuel load in July 1983. Many of the conditions we evaluated at that time have changed significantly and our new data reflect our re-analysis. The most significant single factor tied to project completion is the remedial soils work on site. The evolution of regulatory review and construction status of this activity has developed into the pacing item for plant completion."

Site Manager Don Miller said that the Company staff that will operate the plant is almost fully assembled and is supporting testing and preoperation programs.

"The employees at Midland have shown their dedication and commitment to support successful completion and plant operation and their continued effort will be evident in the final phases of completing the project," he said.

"We have a procedure in place whereby we request authorization from the NRC to proceed with soils work activities. For those activities authorized we have reached and sustained excellent production rates and have proven we can have an effective quality program overseeing the soils work. Six of the 57 temporary piers have been or soon will be completed. We have requested authorization on additional work. There remains a great deal of work to be done with the remedial soils program, but we have not experienced any unexpected problems with work accomplished to date."

4-12-83

B/66

U.S. NUCLEAR REGULATORY COMMISSION
REGION III

OUTGOING TRANSMISSION SERVICE REQUEST

Date 4/13/83 Number of Pages 2 + cov
To (Name): WM LOVE LACE C/O LIMERICK
From: RON COOK - MIDLAND SITE SRI
Description NEWS RELEASE - GPCO MIDLAND
CONST. SCHEDULE

Air Rights Bldg. _____
E/W Towers _____
H Street _____
MNBB _____
Phillips Bldg. _____
Silver Springs
(Willste Bldg) _____
Ladow Bldg. _____
Region I _____
Region II _____
Region IV _____
Region V _____
Resident at _____

NSAC _____
INPD _____

Corporate Office
(Identify recipient & fax number) _____

Other
(Designate-include fax number) _____

FOR WP & D/C USE

System 6 (WP) _____
Rapidfax _____
3M Ext #727 _____
3M Ext #728 _____
FTS _____
Commercial _____
Time Started _____
Time Completed _____
Trans. Time _____ (Actual) Minute
Operator _____



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

W. Orville

Docket Nos. 50-329/330 OM,OL

April 12, 1983

MEMORANDUM FOR: H. Denton
E. Case
D. Eisenhut
R. Purple
R. Mattson
R. Vollmer
H. Thompson
J. Kramer
T. Novak
F. Miraglia
T. Ippolito
J. Snizek
G. Lainas
T. Speis
B. Miles
J. T. Beard

THRU: Elinor G. Adensam, Chief *Ega*
Licensing Branch No. 4
Division of Licensing

FROM: Darl Hood, Project Manager
Licensing Branch No. 4
Division of Licensing

SUBJECT: DAILY HIGHLIGHT

REVISED CONSTRUCTION COMPLETION ESTIMATE BY CONSUMERS POWER COMPANY FOR
MIDLAND PLANT, UNITS 1 & 2

On April 12, 1983, Consumers Power Company (CPCo) announced revised construction schedules for Midland Plant, Units 1 & 2. CPCo now estimates that construction of Unit 2 will be completed October 1, 1984 and Unit 1 will be completed February 1985. The previous estimates by CPCo were July 1983 for Unit 2 and December 1983 for Unit 1. This represents a 14 month slip for Unit 2 and a 13 month slip for Unit 1. The new Commercial Operation dates are February 1985 (Unit 2) and May 1985 (Unit 1).

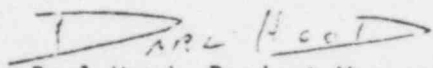
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CPCo's Board Chairman, John Selby, said in a press release that the principal reasons for the change were the efforts for the auxiliary building underpinning program and the remaining work to complete the plant and implement revised QA/QC programs to meet requirements and expectations of the NRC.

An NRC Caseload Forecast Panel visit is scheduled for April 19-21, 1983.

The associated press release is enclosed.


Darl Hood, Project Manager
Licensing Branch No. 4
Division of Licensing

Enclosure:
Press Release

cc: E. Adensam
Licensing BC's
S. Black
W. Lovelace

FOR IMMEDIATE RELEASE

JACKSON, Mich., April 12, 1983 -- Officials of Consumers Power Company today announced new dates for the estimated completion of the Midland Nuclear Cogeneration Plant and a new cost estimate for the project.

Projected fuel loading for Unit 2, the first unit to go on line is October 1984, with commercial operation scheduled for February 1985. Fuel loading for Unit 1 is scheduled for February 1985, with commercial operation scheduled for August 1985.

The cost of the project is now estimated at \$4.450 billion.

The new cost and schedule were announced at the company's annual meeting today by John D. Selby, the utility's board chairman.

Previously, Unit 2 had been planned to go into commercial operation in December 1983 and Unit 1 in July 1984. The cost estimate based on that schedule had been \$3.39 billion.

Selby outlined the principal reasons for the changed schedule. He said the remedial work on the foundations of certain buildings at the Midland site is an important factor.

The foundation work, called underpinning, to resolve possible problems because of inadequately compacted soils in some areas of the site, had been delayed for many months because of technical and regulatory reviews.

Other elements responsible for the revised schedule are the remaining work to complete the plant and the implementation of revised quality

--more--

control and quality assurance programs in order to satisfy concerns about those areas expressed by officials of the U.S. Nuclear Regulatory Commission. The plant is 83 percent complete.

Selby said the underpinning work has been changed from the program originally announced by the company in January 1982. As a result of the completed regulatory reviews the design has become more conservative and the work sequence has increased in complexity. As a result, the time needed to accomplish the underpinning program has expanded by 8 months.

Selby said the soils remedial work has been under way on the auxiliary building underpinning for four months and the work is progressing well.

The official said the project's construction completion program (CCP), announced last December, should be completely under way sometime this spring.

The CCP involves design and test engineers, quality assurance personnel and construction engineers joined into coordinated teams to inspect work done on certain systems at the plant, to determine what work is needed to complete the systems and to oversee that work. A major objective of the CCP is to improve the project's performance in meeting the regulations and expectations of the NRC, Selby said.

The major construction work still to be completed is the installation of pipe hangers which has traditionally been the most time-consuming aspect of completing a nuclear power plant project.

Selby described the major components of the increase in project cost. The foundation support work will add \$100 million. Remaining

engineering, administrative and construction work will cost \$534 million. Additional financing costs and overhead are \$402 million.

The chairman noted that about one-third of the total plant cost, or about \$1.3 billion will cover the financing charges on the money raised to build the Midland facility.

The Midland plant will be the world's largest nuclear cogeneration energy producing facility. It will be capable of generating 1,345,000 kilowatts of electricity for Consumers Power's electric system and up to 4,000,000 pounds of process steam per hour for The Dow Chemical Company. The steam to be sold to Dow contains energy equivalent to approximately 250,000 kilowatts of electricity.

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