Distribution
OGC
Massar
Shapar
Engelhardt
Pink
Green
REG Central
PDR
LPDR
S. MacKay
F. Miraglia
H. Thornburg

August 2, 1973

Myron M. Cherry, Esq.
Jenner and Block
One IBM Plaza
Chicago, Illinois 60603

In the Matter of Consumers Power Company
(Midland Plant, Units 1 and 2)
Docket Nos. 50-329 and 50-330

Dear Mr. Cherry:

Pursuant to your letter of July 3, 1973, I am enclosing copies of the (1) inspection plan, (2) field notes and (3) draft of the report relating to the inspection of June 26 - 28, 1973.

This will also confirm my telephone advice to you late yesterday afternoon, that further consideration is being given to those items of your request which are not answered by the enclosures, and that, within the next few days, you will receive what further response we believe we may appropriately make to your unanswered requests.

Sincerely,

William Massar
Assist. Chief Hearing Counsel
for AEC Regulatory Staff

Enclosure:
As stated above

cc w/enclosure:
Mr. Alan S. Rosenthal
Dr. John H. Buck
William C. Parler, Esq.
Howard J. Vogel, Esq.
Arthur W. Murphy, Esq.
Dr. David B. Hall
Dr. Clark Goodman
Harold Reis, Esq.
Irving Like, Esq.
Harold P. Graves, Esq.
Milton R. Wessel, Esq.
Mr. James N. O'Conner
Ms. Mary Sinclair
Honorable William H. Ward
William J. Ginster, Esq.
James A. Kendall, Esq.
David Comey, Esq.
Honorable Vern Miller
Richard G. Smith, Esq.
Atomic Safety and Licensing Board Panel
Atomic Safety and Licensing Appeal Board
Mr. Frank W. Karas

OFFICE ▶		OGC				
SURNAME ▶	8006110433	Massar: djt				
DATE ▶		8/2/73				

Call Hills 1:05 9tt.
(517) 788-1744

FORM CD-1 (1-12-73)

U. S. ATOMIC ENERGY COMMISSION
DIRECTORATE OF REGULATORY OPERATIONS

REGION III

Construction Inspection Plan (WORK COPY)

Licensee: Consumers Power Company
50-329/73-05
50-330/73-05

License No. CPPR-81 & 82

Category:

Facility Name: Midland Plant - Units 1 & 2

Location: Midland, Michigan

Type of Licensee: PWR (B&W) - 662 Mwe (each unit)

Type of Inspection: Special Announced (Restart of Construction)

Date(s) of Inspection: June 26-28, 1973

Date(s) of Previous Inspection: April 17, 1973

Principal Inspector: P. A. Pohrbacher 6-21-73 (Date)

Accompanying Inspector(s): C. M. Erb (Date)

(Date)

Other Accompanying Personnel: (Date)

Reviewed By: D. W. Hayes SPI 3/3 6/22/73 (Date)

FORM CD-1 (1-12-73)

SUMMARY OF FINDINGS

Enforcement Action

A. Violations

None found during inspection - RAR

B. Safety Matters

None of signif. found during insp. - RAR

Licensee Action on Previously Identified Enforcement Matters

NA - none held over

INSPECTOR KAK

SUMMARY OF PROBLEM

SUMMARY OF INSPECTION RESULTS

INSPECTOR

SUMMARY OF PROBLEM

SUMMARY OF INSPECTION RESULTS

FORM CD-1 (1-12-73)

~ 550 - 650

Design Changes

None

Unusual Occurrences

RPV
SG
} See RO:III Vendor Insp. Reports

Other Significant Findings

A. Current Findings

Estimate of % construction completion (at restart of const.)

Overall: 1-2%

Structural Concrete:

Estimate of construction people now on site:

Status of renovation of batch plant:

Status of SAR:

Principal Valve Vendor:

Empl. % 30-35%

- 5 -

Principal Pipe Vendor: Bechtel installation (Southwest to continue temp.)

Kellogg

Batch Plant - Renovation in progress - essentially done (99%)

" " - Lab - to be rebuilt (Pittsburgh - temp.)

B. Unresolved Matters

1. review later

SUMMARY

2.

SUMMARY

3.

SUMMARY

C. Status of Previously Reported Unresolved Matters

1. Project Organization Chart for Midland Project

INSPECTOR RAR

SUMMARY OF PROBLEM Organization chart for Midland project not clear relative to lines of reporting responsibility & lines of communication

SUMMARY OF INSPECTION RESULTS

2.

INSPECTOR

SUMMARY OF PROBLEM

SUMMARY OF INSPECTION RESULTS

Management Interview

A. The following persons attended the management interview at the conclusion of the inspection.

B. Matters discussed and comments on the part of management personnel were as follows:

1.

2.

3.

4.

REPORT DETAILS

check re form removal 1, 2, & Aux. — forms

Persons Contacted

The following persons, in addition to individuals listed under the management interview section of this report, were contacted during the inspection.

Name	Title	Organization

Results of Inspection (Units 1&2) RAR & CME

(A) 1. Condition of existing construction

1. Auxiliary Bldg.

Floor slab (@ elev. 568') — East & West walls (@ elev. 579') —

Rebor installation — fairly messy — loose reinforcement

Back fill

NEXT INSP.: TAKE PHOTOS

Results of Inspection (continued)

2. Reactor Bldg No. 1

Straw removal in progress — Base slab — forms — straw covering

Tendon gallery — [illegible] — [illegible]

Structural steel / shear steel (50%)

Rx Floor — Rebar (15%) — [illegible] OK

Backfill

Cadwelds — [illegible] OK — Tr[illegible] supports (I[illegible]) — rust — [illegible] OK

3. Reactor Bldg No. 2

Sand & plastic removed slab visible — Work slab — for base slab — exposed OK — good

→ Tendon gallery floor slab — [illegible] — very good

Being cleaned Hydro-laser — → Tendon gallery wall rebar (90% in place) — hard [illegible] [illegible] — some [illegible] some places

Backfill — none [illegible]

Waterstops — flexible [illegible] — good

4. Site Excavation & Backfill

Structures excavation

> Backfill north of plant structures 25,000 CY — Class I

> Emerg. [illegible] water pond

[illegible]

[illegible]

[illegible] [illegible] [illegible] [illegible] [illegible]

[illegible] [illegible] [illegible] [illegible] [illegible]

[illegible] [illegible] [illegible] [illegible]

Mud on [illegible] of aux bldg base slab

Some mud and water adjacent to Unit 1 Tendon gallery outer wall (in future back-fill area)

FORM CD-1 (1-12-73)

Results of Inspection (continued)

(B) Condition of stored material components structures

1. Liner plate – [illegible] 80x10' section [illegible]
[illegible]
[illegible] placed
some [illegible]
[illegible]
OLD [illegible] STILLINGFLEET [illegible] COURSE OF [illegible]

2. Anchor bolts

3. Post tensioned tendons [illegible]

4. Misc. steel [illegible]
a. [illegible] soleplates
b. S. G. soleplates
c. [illegible] steel

LINER

PLATE PILE

[illegible]

Consumers Const. [illegible]

Results of Inspection (continued)

(4. Misc. Steel - continued)

d. Sump liners

e. Penetrations

f. Cadweld splices

g. SS pipe stored in bcm - clean covered capped etc. marked in good condition - etc. be as med. condition

4" 304 SCH.10 → 4" (?)CD-1-80A -

2"

some [illegible] pipe etc. (24")

h. CS pipe - [illegible]

Results of Inspection (continued)

(C) Review of Inspection Procedures to be Used Prior to Restart of Construction

check proc. in CP response to ALAB-106

1. Existing concrete including embedded items ✓
2. Liner plate (stored) ✓ (two [illegible])
3. Liner plate coating ✓
4. Reinforcing steel (embedded & stored) ✓
5. Post tensioning materials (in place & stored) ✓

CP [illegible] allow [illegible] RO II

(D.) Summary of results (get reports) of work done by Bechtel, and others, to assess the environmental effects due to exposure to equipment and structures during const. delay.

[illegible]

(1) Soil analysis to determine deposition of corrosives from chemical plant (Dow Chemical)
(2) Atmospheric test coupons - CP [illegible]

(E.) Action taken re ALAB-106

See [illegible]

[illegible]

RAK

MID 1 & 2

Insp. Items - for 6/26-7/3 insp.:

(1) Condition of existing construction -

Aux Bldg - placed concrete, rebar, forms (condition, [illegible], [illegible]) forwards?

R. Bldg #1 - [illegible], [illegible]

R. Bldg #2 - [illegible], [illegible]

[illegible] - backfill (Cl I) soil erosion? [illegible]

(2) Condition of stored material,

Liner plate (? locations)

Other steel, [illegible], [illegible]

CS & SS pipe - how SS protected?

(3) [illegible]

(4) [illegible] AS-[illegible]

(5) [illegible] — [illegible], — [illegible]

(6) Backfill [illegible] QA - QC, [illegible]

(7) [illegible]

LUNCH 11 AM

Mtg start 12 or 12*

RAR MID 15

Thurs. AM

✓ See Tom C & Bob L re attendees for ofs mtg & Hill, Dodson - sufficient for me. Ed. Alton - B, Kenney (B)

Kessler

Mtg items

✓ (1) Route attendance list - a/s mille initial

✓ (2) Approx. coop. & straightforward information - intend to do same. Announced & unannounced insp. || Cord. - of these subjects for comment.

Discussions LATER? ✓ (3) Plant rating? we have been using 662 Mwe (ecol) whole base PSAR - or CP application? 650 & 818

✓ (4) Status of major components? Bill Kessler → swap w/ (D.B.? NC?) { RPV: — no firm contr BAW ~ end of 74 expected to arrive on site; SG: ; Presser: } due in ~ 2 mo Main Coolant Pumps CRD's | RAR Ch. Hill Potter & Sh. Isco

✓ (5) CP estimate of overall construction completion? [Unit 1 1 to 2%] [Unit 2 1 to 2] & other details of completion: - % Engg 32-35% % Constr — showing con. costs etc.

(6) Tags for nonconforming mat'l & comp. - liner plates, penetrations, crane support tag, rope off, somehow segregate - tags liner plate stock, for example 10CFR50, App. B, your QA/QC prog. - re nonconf. mat'l - OK disc. briefly with Peck & Whitaker - Can you assure us of action - yes - described this Can we consider this an open / in progress item? - to mark mat'l / ... CP comment: Yes - no work started

(7) Wire ties on rebar - inspect & verify that they are strong enough to hold form... until concrete placement is completed. Men walking & climbing on rebar, placement of forms, vibrator action, etc. CP comment: will ck with Bechtel - OK - ... rpt. when work compl.

(8) Cannot connect ... - Dow ... - ... - CHE Check this out - ...? CP comment: ...

✓ (9) Backfill north of plant structure - what has been done to inspect? ... - ... ...

✓ (10) Status of ... water pond? ... excavated - ... - but ... stopped - ... work ... inside cooling pond - a depression ... (no liner) ... Prairie ... done later.

OK (11) Would like to get copies of reports (Bechtel & others) regarding results of work done to measure effect of environment on mat'l., components & structures during construction delay. ... Received 2 ... yesterday

Ext'l Mtg Insp - cont MID 1&2 (2)

(12) Yesterday I discussed soil analysis, groundwater, weld

corrosion - exposure, etc. w/ Bruce Bach - (Chlorides mostly)
Informal program by CP - halted during const delay
raw data only avail. - Spring 1970 & Summer 1971

I understand (from Bech) that more sampling is to be done - } Kessler said prep the re-init & eval. mode of data - OK

Tom - is this your understanding also? }

Can these data (from earlier tests) be evaluated for significance, i.e., how does x PPD Cl⁻ affect steel items, etc.

Seems to me that this would be desirable

CP comment: ____________

(13) Bechtel org for MID Project.

QA - no problem - appears OK except [illegible]

QC - under const. org - only committed free from cost & scheduling activities - ok. [illegible] - could be O.K. [illegible]

May be marginally acceptable - & - may be not - of concern to Walt Vetter - lack of authority - [illegible]

My Primary concern now - how does QC fun?

details [illegible] org. [illegible]

[Cr. I, 10CFR50, App. B]

Proj Supt

QAE   FPQCE   Field Supt.
      QCE   Craft Supt
              Foreman

"Lapses" & QA audit - good
Dept of WEV [illegible]
[illegible]

[illegible] [illegible]

(E) Plans under disc. • all to be [illegible] – { [illegible] on [illegible] NSR's on [illegible] }
reject – [illegible] on [illegible]
[illegible] in [illegible] – on [illegible] ([illegible] [illegible]) • QC [illegible].
scrambled – etc.

CP – T. Locke: • QC [illegible] for each liner plate, [illegible], etc. – ITBC.

• [illegible] [illegible] newly rec'd – it [illegible] insp. (receipt insp.) due to long term storage at site.

[Tentative Solution –
[illegible] [illegible] etc. [illegible] [illegible] for liner plate
[illegible] –

MIDLAND PROJECT
CONSUMERS POWER
EXIT MTG.
Attendance List

Name (w/middle initial)	Title	Organization
R. A. Rohrbacher	Reactor Inspector	AEC - RO
T C Cooke	Project Supt	CPCo
W E Kessler	" Mgr.	"
R E Whitaker	Field QAE	"
C. Q. Hicks	QAA	CPCo
C. M. Erb	Reactor Inspector	AEC - RO
C. E. Fulton *	PROJECT SUPT.	BECHTEL
C.E. → Buck Kinney *	Project Field QC	Bechtel
J.I. → John Kottan *	PROJECT QUALITY ASSURANCE ENG.	BECHTEL

* Part time

MID

ALAP-106

- action being undertaken

inventory
inspection
eval. of present condition

Q. ----- (P. sec. 2.3 - p 1)

p.3 Anchor bolts
embedded - cont. bldg.
stored - - barn

Pool trans. walls
in place - RR bldg #1

Sheathing -
liner - stored in good (cond.)

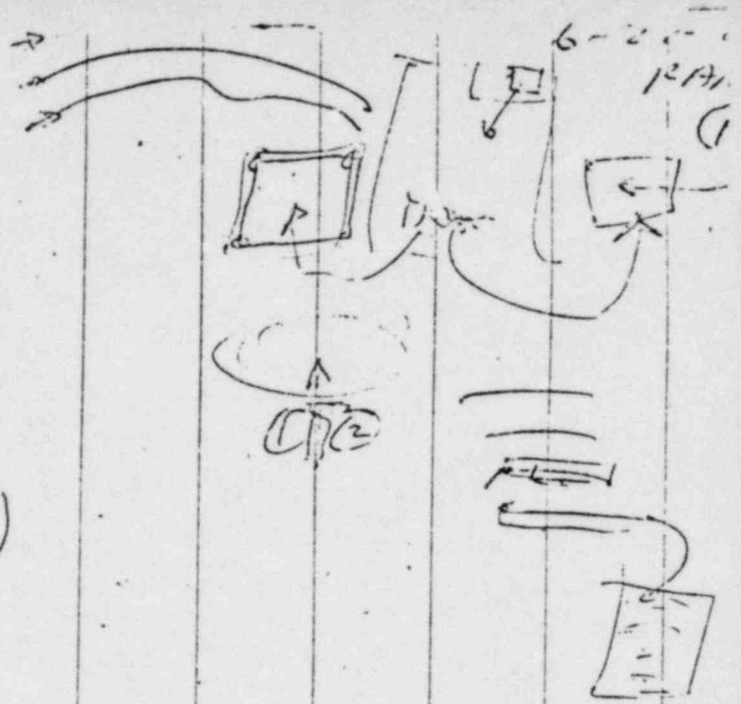
Bearing plates
in place

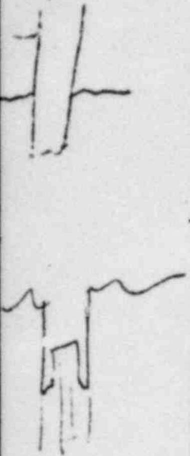
(4) Cont. Bldg. Pipe Tunnel
stored - in good

(5) Misc. Embed.
soleplates - Down RR Sty.

Cadweld Splices
part of thk. liner plate - stored in yard

Coatings
on liner plate (grey) } on surface
pipe tunnel (orange)





6-27-73 RAR (2

Proc. 2.0 p5 (AL-AB-160)

A. Concrete – inspect, maps, eval.

see (stamped) Insp 3.0 (p. 1) ← summarized here

& Interim Report on the Initial Exam of In-Place Walls May 8 & 10th (rept. dated May 21, 1973)

re inplace concrete & embedded walls –

includes: visual, maps
↳ concrete, waterstops
of any bldg. floor slab only (exposed only – some forms (esp. walls) still in place.

Crack designation by widths:

1	crack width – hairline to	.010"
2		.01 to .02
3		.02 to .03
4		.03 to .04
5		over .05

← TYPO? >.04

map – hairline to 1/32 wide cracks.

longest – ~ 60'
one ~ 50'
~ 6 ~ 20' (± 5')

ours RAR saw appeared to be no wider than described

. ITBC – recheck Aux bldg pad after dirt from removal conc. visually exam. – like described

Concrete (cont.)

+ Bechtel rept. sent in ALAB-106 rept.:

Attach. to response to motion, etc. (Saginaw Intervenors)

- Affidavit of F. W. Joyce, Bechtel (dated 6-15-73)

covering June 14th inspection at Mid.

w/ R. Castle & F. Kaplan (both B)

Tendon Access Gallery - Unit 1

(1) station 2+59
(2) station 3+45

"cracks observed on inside & outside walls - all cracks vertical & predominantly Class 1

only 2 cracks, Class 4, ~ 86 apart (inner wall except

gallery conc. - ~ 700 lineal feet.

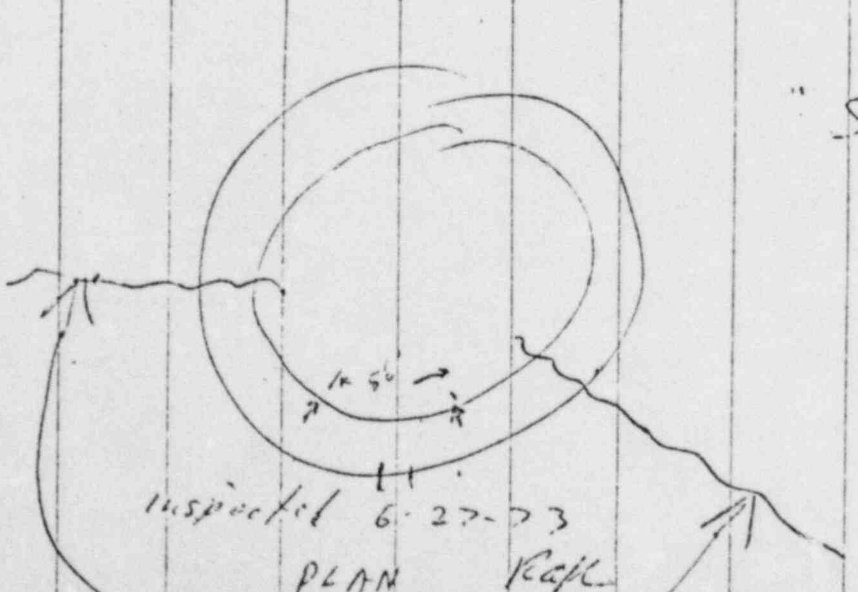
"cracks are normal drying shrinkage cracks - -

not unusual, exam. w/ 10X optical

no evidence of other type action.

— will not impair structural integrity

"Saginaw Intervenors photo -
appears to be same crack (3+45)
Joyce -



Ask ITBC for next insp. - inspect rest of T.A.G. & other exposed conc. not visible

(Part 2.0 p. 6 of PLAD ...) (4)

Earthwork

Soil borings - done week of 6-11-73
no results back yet
by Soil Materials & Engr
(SM E)
with supp. of Bechtel

two general areas:
- So. of aux bldg. - plant area
- Dike area along T. River (SE from Rx bldg)

(Liner) Plate Examination - [illegible]

Coatings only done to date - (not plate mat'l.) → Carbozinc 11

→ covered in Interim Rept. on the Initial Exam. of Liner Plate Coating May 1 & 2, 1973 } covered in PLAD [illegible] (corrected)

Limited to liner plate accessible w/o scaffolding (~10% sample B2 + 2 B4)

visual, film thk. (5 or more random locations) using elcometer and mikrotester

future exam. & all [illegible] partial search will be done

H. L. Hoerdeep, Engr.

KD - [illegible]

"Soil" Analysis – import CP study (aspects data gathering)

(1)
- rain stations + 4 well complexes
- ground water + soil
- done April + May 1970
- raw data only – Cl^- as PPb

---

(2)
- soil, water, paint, wipes
- raw data only – Cl^- + sulfates, F
- done July, 1971

---

no evidence of del. effect of above item

→ more sampling to be done – chlorine C also

Reade says so

6-25
RAP

Batch Plant People - stg, etc. inspection (Condit 1 - ...)

Fish

retain readiness - Bechtel - R.L. McDonald & ? H.L. Henderson (SFHO)

under prev. covered areas

Meet with:

John Birch - Chief Mech
- Chuck Hunt - Chief civil
→ Chuck Hunt

CP: re ... documentation rebar, conc, etc.

July 9 - ... Test-lab- (PTL) ... NDT ... conc cyl. - test ...

Jan 30, May 1 + 2 - Batch Plant - ... ctgs.

May 8 - Conc - ...

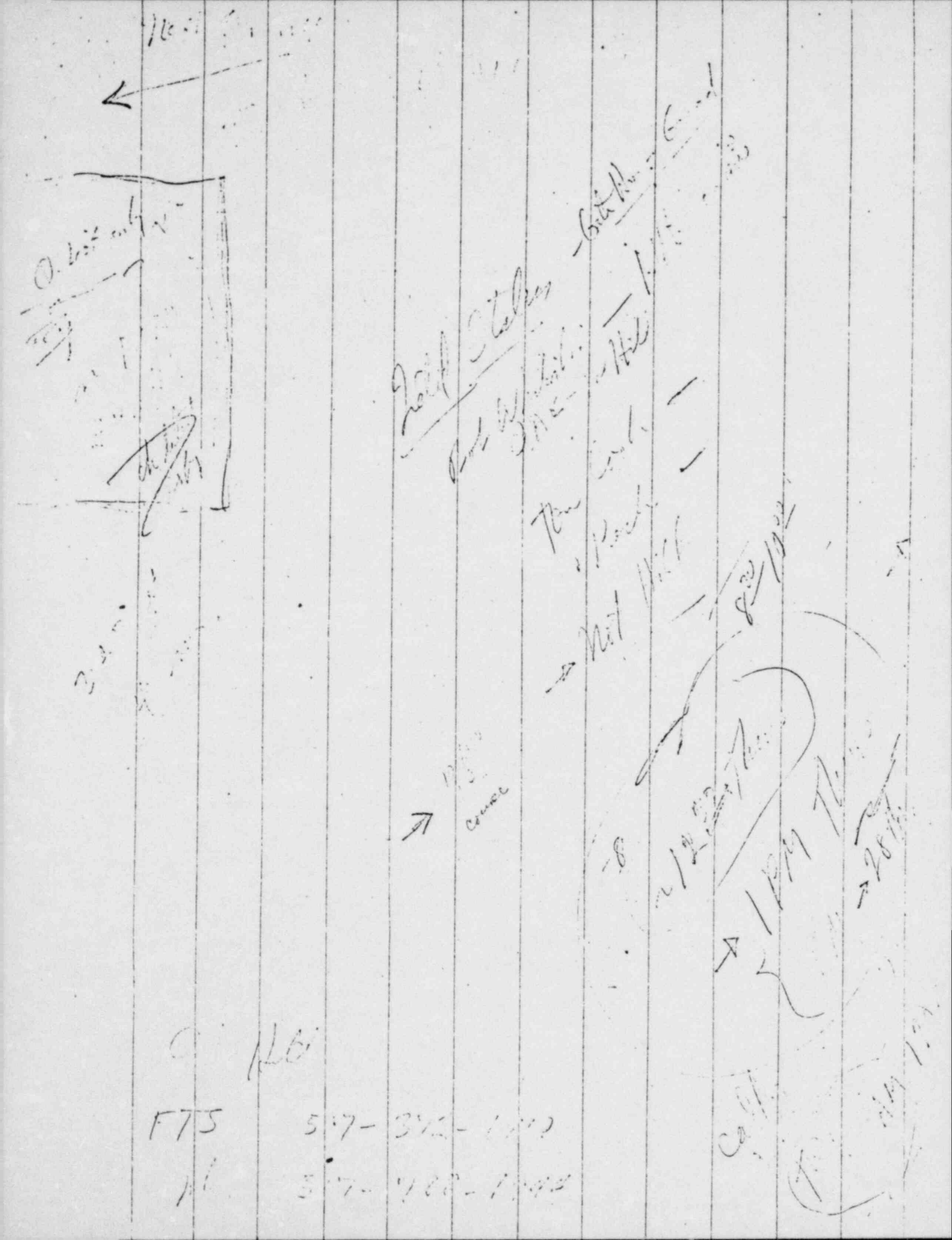
June ~~May~~ 11 - Soil borings

June 14 - ... conc - ...

April 27 - CP - ...

Jun 18-20 - Batch plant check-out - made operational

June 27 - Scale calib. , etc. - batch plant



Midland 1&2 — 6-23

T.C. Cooke
Bruce Peck

Carl E. [illegible] QC
John [illegible]son - QC

(35) MW.E. [illegible]

Gross 855 MWE
[illegible] 526 MWE

Commercial operation

Batch plant 99% ready to go
Champion installed and [illegible]
operator plant not set yet.

FTL [illegible] will have bids
in concrete. Bids [illegible]

#1 combustion [illegible]
#2 steam [illegible] turbine
- Bechtel installation

Bechtel A.E. & construction

Canonie - Earthwork [illegible]
[illegible] construction Bechtel [illegible]

CP have [illegible] on [illegible]

NCR's - Bechtel [illegible] CP
SW.W. may [illegible]
Kellogg - small order at $45,000
G.E. [illegible] turbine

Have to
7/10 A.E.C. [illegible]
[illegible]

Carbo Zinc-11 Coating Carbo Zinc [illegible]

Equip. hatch —

Condenser Circ H_2O piping. unit 2 unit 1 [illegible]

Spray coating [illegible]

and resprayed certain areas

Pipe [illegible] [illegible] two matl.

Struct pcs. —

Reactor building [illegible] [illegible]

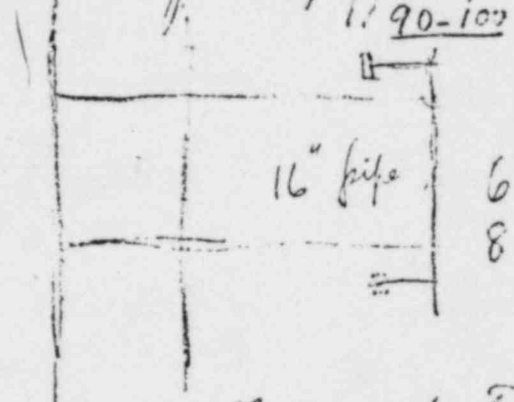
Penetration — Containment — [illegible] [illegible] & piping [illegible]

?2791 5AK

.9A 82452 P1 ?377

very [illegible] [illegible] in pipe

flaking [illegible] 2 [illegible]



· Crane rail support steel

Whitaker

70-80

Crane rail supp't

buried in concrete

[illegible] Crane span between

horizontal supports

gray coating — inside containment

Inserts Canvas Covered — [illegible]

uncover

2 Equip. hatches [illegible]

[illegible] for containment [illegible]

3/4 [illegible]

Al. top [illegible]

[illegible]

[illegible] trolly [illegible]

Shims? [illegible]

Floor plates with Reber [illegible]

Personnel [illegible]

Carboline coating, V.g

[illegible] very [illegible] some [illegible]

Paul inside coat 8' dia

deCoat coat inside
orange [illegible] pipe

Hold [illegible]

AM's = 480

2 24" pipe welded in badly
4 per [illegible] s.s.

Champion [illegible]

[illegible]

[illegible] D. [illegible]

Paul E. [illegible]

Calibrating scales
" H_2O measuring
test Concrete mixes [illegible]
[illegible]
Checking mix vanes in truck
& standby 6 [illegible] 7 [illegible]
make up [illegible] and [illegible]
[illegible] check [illegible]
Checks before production [illegible]

5/6-2 [illegible] [illegible] [illegible]
Circ water
5/5 Concrete inspection
6/11 Soil [illegible]
6/14 visual concrete [illegible]
4/27 CP [illegible] storage [illegible]
5/18, 19, 20 [illegible] plant check
new [illegible] & [illegible]
Test lab on 7/9 Interim PTL concrete
J. Bickel } Civil inspection
C. Hunter } Rebar & cores
DRO - Roger & J
Rebar & Cadwelds

Ship & [illegible] dates don't agree [illegible]
1974 Nov & Dec [illegible]

[illegible] & [illegible] in [illegible] [illegible]

U. S. ATOMIC ENERGY COMMISSION
DIRECTORATE OF REGULATORY OPERATIONS

REGION III

Report of Construction Inspection

RO Inspection Report No. 50-329/73-05

50-330/73-05

Licensee: Consumers Power Company — License No. CPPR-81

212 W. Michigan Avenue — CPPR-82

Jackson, Michigan 49201 — Category: A

Facility Name: Midland Plant, Units 1 and 2

Location: Midland, Michigan

Type of Licensee: PWR (B&W) Unit 1: 650 Mwe
Unit 2: 818 Mwe

Type of Inspection: Special, Announced
(Restart of construction)

Dates of Inspection: June 26-28, 1973

Dates of Previous Inspection:

Principal Inspector: R. A. Rohrbacher _____ (Date)

Accompanying Inspector: C. M. Erb: _____ (Date)

Other Accompanying Personnel: None

Reviewed By:

SUMMARY OF FINDINGS

Enforcement Action:

A. Violations

No violations of AEC requirements were identified.

B. Safety Matters

No significant safety items were identified.

Licensee Action on Previously Identified Enforcement Matter:

No previously identified enforcement matter remained unresolved at the time of this inspection.

Design Changes:

No design changes were identified.

Unusual Occurrences:

No unusual occurrences were identified.

Other Significant Findings:

A. Current Findings

1. Facility Status

Activity	% Completion
Engineering	30-35%
Site construction	1-2%

2. Present Activities

Although new construction had not begun during the current inspection, about 50 people are at the site doing preconstruction and restoration work in preparation for the restart of construction. The work in progress included the removal of protective enclosures and materials from existing concrete slabs and structures, site clean-up, preliminary earthwork in the cooling pond area, renovation and testing activities at the concrete batch plant, inspection of construction work completed prior to construction shutdown, and the inspection of materials and components stored on or near the construction site during the shut-down period.

Both Consumers Power Company (CP) and the Bechtel Corporation (Bechtel) have established construction offices at the site.

B. Unresolved Matters

1. Requalification and Restoration of Site Stored Components

Carbon steel components stored outside at the site have rusted to varying degrees. Work and quality control procedures are being planned by CP to verify that all components used will meet applicable requirements. This matter remains open pending review of completed procedures. (Paragraph 1.)

2. Evaluation of Rebar Tie Wires

Due to the deterioration of some tie wires holding exposed reinforcing steel in place, the adequacy of these wires during concrete placement is not known. Inspection and evaluation of this matter are planned by the licensee. This matter will be reviewed during a subsequent inspection. (Paragraph 2.)

C. Status of Previously Reported Unresolved Matters

Bechtel Corporation Organization For The Midland Project (RO Inspection Reports No. 050-329/73-02 and 050-330/73-02)

In response to a request from RO:III during the referenced inspection, CP provided RO:III with a modified Bechtel organization chart. After a review of this chart (which was recieved by RO:III on May 7, 1973), and discussions with CP and Bechtel personnel during the current inspection, it was not clear to RO:III that all requirements of 10 CFR 50, Appendix B, Criterion I, were met. This matter remains open pending further clarification and/or changes.

Management Interview

A. The following persons attended the management interview at the conclusion of the inspection:

Consumers Power Company

W. E. Kessler, Project Manager

C. Q. Hills, Quality Assurance Administrator

T. C. Cooke, Project Superintendent

R. E. Whitaker, Field Quality Assurance Engineer

Bechtel Corporation*

E. E. Felton, Project Superintendent

J. I. Dotson, Project (QA) Engineer (Quality Assurance)

C. E. Kinney, Project Field (QC) Engineer (Quality Control)

*Part time

B. Matters discussed and comments, on the part of management personnel, were as follows:

1. The present condition of the concrete structures poured prior to cessation of construction was discussed. The inspector stated that a visual inspection of the concrete in place and exposed for the Auxiliary Building and Reactor Buildings No. 1 and No. 2 was made and that this inspection verified the results and conclusions of reports by Mr. Joyce of Bechtel on this subject. The inspector further stated that the concrete observed appeared to be in good condition and that additional existing concrete would be inspected when form removal and cleanup is completed. CP stated that specialists from Bechtel will be used on a continuing basis to examine and evaluate the concrete and rebar.

   In response to a question concerning the adequacy of the wire ties on rebar due to rusting, a representative of CP said that these tie wires would be inspected and that their holding power at various locations would be checked.

2. Procedures to requalify carbon steel components that had rusted during storage at the site were discussed. CP stated that plans are being made to requalify containment liner plates. The plates would be transported to a jig where cleaning and dimensional checks would be made. The plan would include a hold point for QC inspection prior to installation. At this point, if all applicable requirements were met, the plates would be considered acceptable for use; otherwise, the plates would be considered nonconforming.

3. The CP program of soil analysis and stored material wipe sampling was discussed. CP stated that this program was started in 1970 but halted during the construction shutdown. CP further stated that this program would be reinitiated, and an evaluation of the results would be made.

4. In response to a request, CP indicated that copies of reports would be sent to RO:III concerning results of work done to measure the affect of the environment on materials, components and structures during the construction delay.

5. The Bechtel organization for the Midland project was discussed with CP and Bechtel representatives. After a discussion on this subject, the inspection stated that he more fully understood the Bechtel organization chart but that it was not yet clear to him whether all requirements of 10 CFR 50, Appendix B, CriterionI, were met. Additional discussions on this matter are planned.

6. In response to a question regarding concrete batch plant status, CP stated that Champion, Inc. personnel were reactivating and requalifying the plant, and that calibration of measuring equipment and evaluation of previously stored materials (such as fly ash) for suitability were in progress.

REPORT DETAILS

Persons Contacted

The following persons, in addition to individuals listed under the Management Interview Section of this report, were contacted during the inspection.

Consumers Power Company

B. H. Peck, Field Supervisor (Mechanical)

Champion, Inc.

P. E. Schmansky, General Superintendent

L. P. M. C. Connell, Electrical & Safety Engineer

Bechtel Corporation

H. L. Hondorp, Engineer (Metallurgist)

R. L. McDonald, Engineer

Results of Inspection

1. Restoration and Requalification of Site Stored Components

Carbon steel construction materials and components stored outside at the site have rusted (corroded) to varying degrees. Rusting appeared to have progressed more rapidly on surfaces where water had collected. The rust appears to be fairly uniform on the surface

with no evidence of severe pitting. The licensee has arranged for specialists from Bechtel to inspect these components and evaluate wnether the components can be restored to meet applicable requirements.

The following Class I (Q-listed) components were visually examined during the inspection of yard storage areas.

a. Curved wall plates (containment liner) with welded on reinforcing bars.

b. Containment penetration components.

c. Steel bars with Cadweld ends (thimbles).

d. Polar crane trolley.

e. Polar crane wall supports and connecting track beams.

Surfaces of the above components, which will be within containment, were coated with a protective coating (Carbozine 11 or similar coating) prior to shipment to the site. This coating either prevented rusting or greatly inhibited its formation on these coated surfaces.

A couple dozen stainless steel pipe sections, 2", 4", and 24" in diameter, were visually inspected in a warehouse. The pipe sections were free of surface dirt, end caps were in place, identification marks visible and the pipe was covered with plastic sheets.

All materials and components that have been stored at the construction site will be inspected, restored or rejected, and requalified prior to use or installation. Plans to develop procedures to do the above work are in progress.

2. Evaluation of Rebar Tie Wires

The inspector noted that the tie wires used to hold the reinforcing steel bars in place had varying amounts of rust on their surfaces. Rather severe rusting on some of these wires indicated possible weakness due to loss of material. A representative of the licensee stated that this condition would be evaluated to assure that the tie wires would hold adequately during construction activities including concrete placement.

3. Soil Analysis and Wipe Sampling Program

CP initiated the subject program early in 1970. Data were collected in the Spring of 1970 and in the Summer of 1971. The intent of this program was to determine the location and amount of chlorides and

at the site

other undesirable constituents which may adversely affect stored components. CP indicated that this program would be reinitiated.

4. Condition of Existing Structures and Stored Components

The status of the implementation of the CP program to determine the quality of the subject items is given in Appendix A of this report.

APPENDIX A

Prepared By: _____ _____
Reactor Inspector Date

Reviewed By: _____ _____
Date

Persons Contacted

The following persons, in addition to individuals listed under the Management Interview Section of this report, were contacted during this portion of the inspection.

Consumers Power Company

B. H. Peck, Field Supervisor (Mechanical)

Bechtel Corporation

H. L. Hondorp, Engineer (Metallurgist)

R. L. McDonald, Engineer

Results of Inspection

Status of Implementation of Condition 1 of ALAB-106

1. Identification

Previously completed construction work related to nuclear safety (Q-listed) has been identified by CP, and the listing has been grouped under the following headings: Auxiliary Building, Reactor Building No. 1, Reactor Building No. 2, and Site Evacuation and Backfill.

It was determined from a visual inspection that this listing appears to represent the actual construction completed prior to construction cessation in late 1970.

Materials and components (Q-listed) stored at the site since cessation of construction has been categorized by the licensee. During the inspection of these stored Q-listed items, the inspectors determined that the listings appeared to be correct and that components not readily identified or obviously marked were subsequently identified upon return to the site office. Stainless steel piping was observed to be stored under plastic in a warehouse ~~(barn)~~ at the site ~~near the construction area~~.

2. Evaluation of Present Condition

a. Concrete Work

A report was reviewed entitled "Interim Report on the Initial Examination of In-Place Materials, May 8 and 10, 1973" dated May 21, 1973 by F. W. Joyce, Supervising Civil Specialist, Bechtel (San Francisco). This report included the results of a visual inspection of the exposed structural concrete of the Auxiliary Building. The drawing which mapped visually significant cracks was examined also. A visual examination of the concrete

structures and water stops included in the above report, during the current inspection indicated that the report results were comparable to the actual conditions observed by the RO inspector.

The affidavat of F. W. Joyce dated June 15, 1973, regarding the June 14, 1973 inspection of concrete in the Unit 1 Tendon Access Gallery, by Joyce, R. Grote and F. Kapla (all employees of Bechtel) was reviewed. The results and conclusions in this affidavit were in agreement with conditions observed and conclusions reached by the RO inspectors during the current inspection.

b. Concrete Batch Plant

The RO Inspector observed that the concrete batch plant and concrete delivery trucks were in the process of renovation, testing and requalification. Scales and other measuring devices were being checked and recalibrated. This week was being done by Champion, Inc. personnel. The licensee stated that test mixes are scheduled for early July, 1973. Pittsburgh Testing Laboratory personnel will be at the site at this time to sample and test these mixes.

c. Reinforcing Steel

The licensee stated that two specialists from the Bechtel San Francisco office were presently onsite to examine reinforcing steel (exposed embedded and stored) to determine the extent of corrosion and material loss.

The RO inspectors visually examined the rebar in place for the Unit 2 Tendon Gallery walls. Except for surface rusting, the rebar appeared to be sound, free of severe pitting, and adequate for use. The licensee stated that inspection and testing of this (and other) rebar, as well as rebar tie wires, would be tested to verify that all applicable requirements are met prior to concrete placement in this area.

The licensee stated that their chief metallurgist and their chief civil engineer would be at the site during the week of July 2, 1973, to examine rebar, concrete and other materials.

d. Earth Work

The licensee stated that some soil borings were made during the week of June 11, 1973, by Soils Materials and Engineering, with representatives of Bechtel present, but the results were not available yet. Some preliminary earth work has been started.

e. Containment Liner Plate Coating

A report was reviewed entitled "Interim Report on the Initial Examination of Liner Plate Coatings, May 1 and 2, 1973," dated May 18, 1973, by H. L. Hondorp, Engineer (Metallurgist), Bechtel (Ann Arbor). This report includes the results of the inspection of Newcomb, Grote and Hondorp (all of Bechtel) and Hinson (Coating Specialist, Carboline Company). A visual examination of about 25 liner plates (which may not be the same as those examined in the report above) during the current inspection indicated similar conclusions.

f. Containment Liner Plate

The licensee indicated that only a preliminary examination of these plates had been made recently but representative samples will be examined in the future. He further indicated that all liner plates would be reinspected, restored or rejected, and then, during a special QC inspection, requalified if all applicable requirements are met at that time. Plans to establish the above procedures are in progress.

g. Other Embedded and Stored Material and Components

Items such as anchor bolts, polar crane supports, post-tensioning materials, cadweld material, according to the licensee, will be inspected, examined and measured, as appropriate, prior to use on installation.

During the inspection of the storage areas, it was observed that some material in storage had been restacted, relocated and/or recovered (during the last year or so) to provide satisfactory protection. It was further observed that new metal identification tags had replaced some hard-to-read plastic over paper ~~in plastic~~ tags.

FORM CD-1 (1-12-73)

U. S. ATOMIC ENERGY COMMISSION
DIRECTORATE OF REGULATORY OPERATIONS

REGION III

Report of Construction Inspection

RO Insp. Rpt. 50-329/73-05
50-330/73-05

Licensee: Consumers Power Company
212 W. Michigan Ave.
Jackson, Mich 49201

License No. CPPR-81
CPPR-82

Category: A

Plant, Units

Facility Name: Midland, 1 and 2

Location: Midland, Mich.

Type of Licensee: PWR (B&W) 800 MWE
500 MWE

Type of Inspection: Special, Announced
(Re-start of Construction)

Date(s) of Inspection: June 26 - 28, 1973

Date(s) of Previous Inspection: [illegible]

Principal Inspector: R. A. Rohrbacher ______ (Date)

Accompanying Inspector(s): C. W. Erlen ______ (Date)

______ (Date)

Other Accompanying Personnel: None ______ (Date)

Reviewed By: ______ (Date)

Summary of Findings

Enforcement Action

A. Violations

No violations of NRC requirements were identified.

B. Safety Matters

No significant safety items were identified.

Licensee Action on Previously Identified Enforcement Matters

No previously identified enforcement matter remained unresolved at the time of this inspection.

Design Changes

No design changes were identified.

Personnel Changes

No personnel changes were identified

Other Significant Findings

A. Current Findings

1. Facility Status

Activity	% Completion
Engineering	30 - 35 [illegible]
Site construction	1 - 2 %

2. Present Activities

Although [illegible] construction had not begun during the current inspection, about 50 people are at the site doing pre-construction and [illegible] preparation [illegible] the restart of construction. The work in progress included the removal of protective enclosures from existing [illegible] structures, [illegible] clean-up, [illegible] pre[illegible]

[illegible] activities at [illegible] plant

[illegible] inspection of [illegible] completed prior to [illegible] construction [illegible], and the [illegible]

[illegible]

[illegible] construction [illegible] during the shutdown period [illegible]

B. Unresolved Matters

1. Storage of the Construction Materials for the Reactor (Containment) Building

All Carbon steel material, appeared painted and free from rust. (para. 1) [illegible]

2. Condition of Tie Wires Holding Reinforcing Steel Bars

These wires were quite rusty and their ability to hold under concrete pour conditions must be evaluated. (para 2)

(Bechtel) have [illegible] construction [illegible]

to verify that all components used will meet applicable requirements.

B. Unresolved Items

1. Requalification and Restoration of Site Stored Components

[illegible] Carbon steel components stored at the site have suffered to varying degrees. Work and quality control procedures are being [illegible] for this. This matter remains open pending review of completed procedures. (Paragraph 1)

2. Evaluation of Rebar Tie-Wires

Due to the Deterioration of [illegible] tie wires [illegible] [illegible] [illegible] [illegible] [illegible] placed [illegible] Inspection [illegible] [illegible] [illegible] planned by the licensee. This matter will be reviewed during a subsequent inspection. [illegible]

C. Status of Previously Reported Unresolved Matters

Bechtel Corporation Organization for the Midland Project (RO Inspection Reports No. 050-329/73-02 and 050-330/73-[illegible])

In response to a request from RO:III during the referenced inspection, CP provided RO:III with a [illegible] Bechtel organization [illegible] [illegible] which was received by RO:III [illegible] May 7, 1973) and discussions with CP and [illegible] personnel during the [illegible] inspection, it was not clear to RO:III that all requirements of 10 CFR 50, Appendix B, Criterion I, were met. This matter remains open pending further [illegible] [illegible]. (Para 5)

C. Status of Previously Reported Unresolved Matters

[illegible]

Management Interview

X. The following persons attended the management interview at the conclusion of the inspection.

Consumers Power Company

W.E. Kessler	Project Manager
C. Q. Hille	Quality Assurance Administrator
T.C. Cooke	Project Superintendent
R.E. Whitaker	Field Quality Assurance Engineer

Bechtel Corporation *

E.E. Felton	Project Superintendent
J. I. Dutton	Project Q.A. Engineer
C. E. Kinney	Project Field Q.C. Engineer

* Part time

B. Matters discussed and comments, on the part of management personnel, were as follows:

1. The inspector stated that a visual inspection of the poured concrete for both plants had been made. A report on concrete condition made by Mr. Frank [illegible], a Bechtel concrete specialist from San Francisco had been examined and his conclusions verified by visual observation. The two worst cracks in a vertical wall of the plant No. 1 tendon gallery were found to be as described in the report, as were some cracks in the auxiliary building floor. The poured concrete appeared to be in excellent condition, although this matter will remain open until cleanup is [illegible]. Mr. [illegible] from CP stated that specialists from Bechtel will be used on a continuing basis to evaluate the concrete and reinforcing bar. The inspector [illegible] questioned the [illegible] [illegible] reinforcing bar were [illegible] due to corrosion and a CP representative said

their holding power at various locations would be checked.

2. The inspector noted that some of the containment liner plates had been recently identified with metal tags. Mr Cooke of CP stated all plates would be transported to a jig where cleaning and dimensional checks would be made. All discrepancies at this hold point require that a non-conformance report be issued. Mr Cooke described their procedure as a 100% requalification of the liner plates. All original markings would be retained to assure traceability of heats, and also sequencing of erection. The inspector stated these matters will be followed on subsequent inspections.

3. The inspector discussed the QA/QC organization with CP and Bechtel's representatives.

4. The status of the concrete batch plant was requested by the inspector. Mr Cook of CP stated that Champion Inc. were reactivating and repairing the plant. The measuring equipment was functioning and dry materials such as fly ash were being evaluated for acceptability. The transfer hoods were having the vanes, and other agitation equipment reworked. They plan to produce concrete test mixes the first week in July with 28 day test results will be available prior to the pouring of production concrete.

1. Construction Materials Storage

The rust appears to be uniform with no evidence of heavy pitting. Some items, where water had collected, showed a heavier rust, than those where the water had drained. The licensee has arranged for Bechtel [illegible] to evaluate whether the materials are usable and have sufficient wall thickness after rust removal and clean up. The following [illegible] of items were inspected, with all surfaces intended to be in contact with the reactor building [illegible] coated with Carbo-Zinc or similar coat: (1) Curved wall plates for use in building liner with welded on reinforcing bars (2) Penetrations for building liner (3) Steel beams with Cadwelding studs attached (4) Trolley for the polar crane (5) Polar crane with supports and connecting truck beams (6) Two pieces, stand in [illegible] [illegible] stainless piping

2. Corrosion of Tie Wire

The tie wires for the reinforcing steel rods had varying amounts of rust. [This is to be expected, since some were underwater, some above water, and some with an alternating wet and dry condition.] The Bechtel QC representative stated that a careful evaluation would be made to assure that the tie wires would hold through all construction activities including concrete pouring.

B. Matters discussed and comments, on the part of management personnel, were as follows:

1. The present condition of the concrete [illegible] poured [illegible] [illegible] construction was discussed. The inspector [illegible] that [illegible] inspection of the concrete in place [illegible] for the Auxiliary Building [illegible] and No. 2 were made and that the inspection verified the results and conclusions [illegible] by Mr. [illegible] of [illegible]. The inspector further [illegible] that the concrete observed [illegible] in [illegible] condition and that existing concrete would be [illegible] form removal [illegible]. [illegible] specimens from [illegible] examined on a continuous basis [illegible] the concrete [illegible]. [illegible] question [illegible] the

wire ties on rebar due to rusting, a representative of CP said that these tie wires would be inspected and that their holding power [illegible] would be checked.

2. Procedures to requalify carbon steel components that has rusted during storage at the site were discussed. CP stated that plans are being made to requalify containment liner plates. The plates would be transported to a shop where cleaning and dimensional checks would be made. The plan would include a ~~[illegible]~~ hold point for QC inspection prior to installation. At this point, [illegible] were [illegible] to [illegible] however, otherwise, the plates would [illegible] ready for [illegible].

(7).

3. The CP program of soil analysis and stored material wipe sampling was discussed. CP stated that this program [illegible] in 1970 but [illegible] during the construction [illegible]. CP further [illegible] that the program would be reinstated, and appropriate evaluation of the results would be made.

4. In response to a request, [illegible] it [illegible] would be sent to [illegible] the copies of [illegible] results of work done to measure the [illegible] of the environment on materials, components and structures during the construction [illegible].

3. The [illegible] organization for the [illegible] program was discussed with CP [illegible] [illegible]. After a discussion on this subject, [illegible] stated that [illegible] [illegible] [illegible] [illegible].

not yet clear to him whether all requirements of 10CFR50, Appendix B, Criterion I, were met. Additional discussion on this matter are planned.

6. In response to a question regarding concrete batch plant audits, CP stated that changes in the personnel was reevaluating and requalifying the piping and calibration of measuring equipment and evaluation of materials of construction [illegible] for suitability were in progress.

Report Details

Persons Contacted

The following persons, in addition to individuals listed under the "Management Interview" Section of this report, were contacted during the inspection.

Consumers Power Company

B. H. Peck, Field Supervisor (Mechanical)

Combustion, Inc.

P. E. Schmauss, General Superintendent

L. P. McConnell, Electrical & Instr. Engineer

Bechtel Corporation

H. L. Hondorp, Engineer (Metallurgist)

R. L. McDonald, Engineering Supervisor

Results of Inspection

1. Restoration and Requalification of Site Stored Components

~~[illegible]~~ Carbon steel (containments, mild steel and components stored outside). These have rusted (corroded) to varying degrees. Rusting appears to have progressed more rapidly on surfaces which initially had [illegible]. The rust appears to be fairly uniform on the surface with no evidence of severe pitting. The licensee has arranged for specialists from Bechtel to inspect these components and evaluate whether the components can be [illegible]

A The following Class I (Q-listed) components were visually examined during the inspection of yard storage areas.

(a) [illegible]

within ... reinforcing bars

(b) Containment penetration components

~~(c) ... with Cadweld ... ([illegible])~~ [margin: and steel?]

(d) ... crane [illegible]

(e) Polar crane wall supports and connecting beam beams

Surfaces of the above components, which will be within containment, were ... coated with a protective coating (Carbozinc ... or similar coating) ... [illegible] ... [illegible] ... the coating ... either prevent ... rusting or [illegible] inhibited its formation on these components.

11. [illegible] ~~[illegible]~~ completion of stainless steel pipe ..., 2", 4" and 54" in diameter, were visually inspected in a warehouse. The pipe ... were free of surface dirt, end caps were in place, identification marks visible and

covered with plastic sheets.

~~No. 9 Special [illegible], also stored in the warehouse, were protected with~~

A All materials and components that have been stored at the construction site will be inspected, restored or repaired, and requalified prior to use or installation. [illegible] to [illegible] [illegible] [illegible] [illegible] the [illegible] work are in progress.

2. Evaluation of Rebar Tie Wires

The inspector noticed that the tie wires [illegible] to hold the reinforcing steel bars in place had [illegible] amounts of rust on their surfaces. Either [illegible] [illegible] of these wires ~~[illegible]~~ [illegible] indicated [illegible] [illegible] [illegible] [illegible] analysis. A report [illegible] [illegible]

licensee stated that the conditions would be evaluated to assure that the tie wires would hold adequately during construction activities involving concrete placement.

3. Soil Analysis and Wipe Sampling Program

CP initiated the subject program early in 1970. Data were collected in the spring of 1970 and by the summer of 1971, the intent of the program [illegible] amount of chlorides and other undesirable constituents which may [illegible] [illegible].

CP indicated that the program would be reinitiated.

4. [illegible] Structures [illegible]

The status of the implementation of the CP program to [illegible] the quality [illegible] [illegible] in [illegible] of [illegible].

APPENDIX A

Prepared by [illegible]

[illegible]

[illegible]

The [illegible] in [illegible] the [illegible] the Management [illegible] Condition of the [illegible] were

portion of the

conducted [illegible] the [illegible].

[illegible]

B. H. P[illegible], Field Supervisor ([illegible])

[illegible] Corporation

H. [illegible]. Hud[illegible], Engineer ([illegible])

R. L. McDonald, Sr. Con[illegible]

Results of Inspection

"Status of Implementation of Condition 1 of ALAB-106"

1. [illegible]

related to nuclear safety (Q-listed)

Previously completed construction [illegible]

by CP, [illegible] the listing has been [illegible]

under the following [illegible]: Auxiliary

Building, Reactor Building [illegible]

and [illegible] [illegible]

A → It was determined from a [illegible]

the [illegible] appears to represent the [illegible]

completed prior to [illegible] in 1979

A Nine [illegible] (Q-listed) [illegible]

[illegible] have been categorized

[illegible] the

of these systems Q-listed items,

A The inspector determined that the listings appear

to be correct and that components not readily

identifiable or obviously marked were subsequently

identified upon return to the site office.

→ . [illegible] [illegible] piping [illegible]

[illegible] to be [illegible] [illegible] [illegible] in [illegible]

[illegible] [illegible] near the [illegible] [illegible].

2. Evaluation of [illegible] [illegible]

a. Concrete [illegible]

A [illegible] [illegible] Report on the [illegible] [illegible] of the [illegible] Mat [illegible] [illegible] 10, 1973." dated March [illegible], 1973, by F. W. [illegible], Supervising Civil [illegible] [illegible] (So [illegible] [illegible] [illegible] [illegible] [illegible] of a [illegible] inspection [illegible] of the exposed [illegible] concrete of the [illegible] building. [illegible] [illegible] [illegible] [illegible] [illegible], cracks [illegible] [illegible] [illegible] [illegible] [illegible].

the concrete structures [and interstices] covered by the above report during the current inspection indicated that the report results were comparable to the actual conditions observed by the RO inspector.

9. [illegible] [illegible] F.W. Gryer [illegible] dated June 15, 1973, regarding the [illegible] inspection of concrete in the Unit 1 Tendon Access Gallery, Mr. Gryer, R. Grote and F. Kapla [illegible] were [illegible]. The results and conclusions in this [illegible] were in agreement with conditions observed [and corresponding sections] by the RO inspector during the current [illegible].

8. The RO inspector [illegible] in [illegible] of the Unit 2 Tendon Gallery walls [illegible], the rebar appears

to be sound, free of severe pitting, and adequate for use. The licensee stated that inspection and testing of this (and other) [illegible] as well as [illegible] tie wires, would be tested to verify that all [illegible] requirements are met prior to concrete placement in this [illegible].

b. Concrete Batch Plant

The IE inspector observed that the [illegible] batch plant and concrete delivery trucks were [illegible] the process of [illegible], testing and requalification. Scales and other measuring devices were being checked and re-calibrated. This work was [illegible] Champion, Inc. personnel. The [illegible] that truck mixers are scheduled [illegible].

c. Reinforcing Steel

The [illegible] also [illegible] that [illegible] specimens [illegible] were presently on site to [illegible] [illegible] to [illegible] and [illegible]

(c)

The licensee stated that their chief metallurgist and their chief civil engineer would be at the site [illegible] July 7, 1978 to examine records, [illegible] and [illegible] material.

d. Earthwork

The licensee stated that some soil borings were made during the week of June [illegible] for Soils Materials and Engineering [illegible] [illegible] the results were not available yet.

~~[illegible] [illegible] [illegible]~~

Some [illegible] [illegible] [illegible] [illegible] not [illegible] [illegible] [illegible] examined [illegible] [illegible]

e. Containment
Liner Plate Cracking

A report was received [illegible] [illegible] [illegible] [illegible] [illegible] of [illegible] [illegible] [illegible] May [illegible] [illegible] dated May 18, [illegible] by H. L. Hondros, Engineer (Metallurgist) [illegible] (Ann Arbor). This report [illegible] the [illegible] the [illegible] Abacombs [illegible] and [illegible] of [illegible] [illegible] Hinsen (Cracking) [illegible] [illegible] [illegible]). A [illegible] [illegible] [illegible] of about [illegible] [illegible] plate (which may [illegible] [illegible] [illegible]) causing the cracking [illegible] [illegible] [illegible] [illegible] [illegible].

f. <u>Containment Liner Plate</u>

The licensee indicated that only a preliminary examination of these plates has been [illegible] but representative samples will be examined in the future. Accordingly, the [illegible] that [illegible] plates would be re-inspected, restored or rejected, and then, during a special [illegible] inspection, requalified if [illegible] are [illegible] at that time. [illegible] the above procedures are in progress.

g. Other Embedded and [illegible]

[illegible] such as anchor bolts, pole [illegible] supports, post-tensioning anchor [illegible] material according [illegible] [illegible] therefore, [illegible]

¶ During the inspection of the [illegible] [illegible] was [illegible] [illegible] restored, [illegible] &/or to [illegible] s[illegible]

No 11