

SEP 8 1983

MEMORANDUM FOR: Norman M. Haller, Executive Assistant  
to Chairman Palladino

FROM: Edwin G. Triner, Director  
Division of Budget and Analysis  
Office of Resource Management

SUBJECT: BACKGROUND INFORMATION FOR CHAIRMAN PALLADINO'S TRIP  
TO REGION III

Attached is the background information you requested on Kerr-McGee and major issues of emergency preparedness at nuclear power plants in Region III for Chairman Palladino's trip. Also included are State activities and highlights for nuclear power plants in the Region III area.

Persons contributing information to this report are listed on the attached page.

If you have any questions, please contact me.

/s/ Richard P. Shumway  
/for/

Edwin G. Triner, Director  
Division of Budget and Analysis  
Office of Resource Management

Attachments:  
As stated

cc:  
S. Showman  
S. Chestnut  
S. Droggitis  
L. Van Cise  
T. Rehm

bcc:  
L. Barry, RM  
R. Scroggins, RM  
E. Triner, RM/B  
J. Clark, RM/BMA  
L. Underwood, RM/BMA  
RM/B R/F (6)  
RM/BMA(2)  
D. Rohrer, EP:IE (Hqs)  
W. T. Crow, NMSS  
C. Hillman, NMSS  
J. Shaffner, NMSS  
M. Phillips, EP: Region III  
B. Shultz, Enf: Region III  
R. Knop, DPRP(Const): Region III  
W. Shaffer, DPRP(Oprs): Region III  
E. Schweibinz, Spec. Projs.: Region III  
R. Gardner, Spec. Projs.: Region III  
G. Pawlick, Office of Investigations: Region II  
~~R. Marabito, Pub. Affairs, Region III~~  
B. Menczer, Dir., S&GA: Region III

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OFFICE	RM/BMA <i>Quill</i>	RM/BMA <i>Triner</i>	RM/B <i>Triner</i>				
SURNAME	Underwood:b	Clark	Triner				
DATE	9/7/83	9/8/83	9/8/83				

*E/27*

Chairman Palladino's Trip to Region III

Contacts\*

Emergency Preparedness

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GE Morris

Bill Menczer - Region III (Tel: 8-384-2666)  
(also contacted: Chuck Hillman, NMSS (Tel: 427-4186))

Investigations

Gene Pawlick - Region III (Tel: 8-384-2668)

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Public Affairs

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Reactors Operating

Wayne Shaffer - Region III (Tel: 8-384-2656)

Reactors Under Construction

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Special Projects

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Jim Shaffner, NMSS (Tel: 427-4572)

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Bill Menczer - Region III (Tel: 8-384-2666)

\*Persons contributing information to the attached report.

Highlights

Midland

The NRC Caseload Forecast Panel plans to revisit the Midland site in mid-September to obtain additional information from the licensee regarding the fuel load date for Midland Unit 2. An earlier visit was made in April of 1983.

DOW Chemical Company has recently backed out of a contract with Consumers Power Company under which Midland would have supplied steam to the DOW facility. As a result of this situation, the licensee is considering delaying the completion of Unit 1.

9/6/83

Midland (continued)

The NRC staff is requiring Consumers Power Company to undertake three independent reviews of construction activities at Midland:

1. A quality assurance program review for the repair and modification activities for the soil foundation problems. (Stone and Webster reviewer)
2. A proposed review of the Construction Completion Program activities. (review organization not yet identified)
3. A design and construction review of specific safety systems in the plant. (TERA reviewer)

Safety-related construction work stopped in December 1982 by Consumers Power Company has not yet been resumed.

Due to the NRC's review of corrective action taken by the licensee, the NRC authorized the licensee to resume the Heating, Ventilation and Air Conditioning work on June 29, 1983. A special inspection of allegations regarding the HVAC system is expected to be completed in September 1983.

Additional hearings on QA matters are tentatively scheduled at Midland on September 20, 1983.

*distribution as  
necessary. per A. Boos  
3/12/82.*

March 12, 1982 2:08 p.m.

Conference telephone call between Bechtel/Consumers and NRC.

Call initiated by Don Horn/Al Boos to Dr. Ross Landsman, NRC, Region 3.

In attendance:

BECHTEL/CPCo

NRC-Region III -Chicago

Al Boos  
J. Fisher  
R. Cook (NRC - Site)  
D. Horn  
J. Schaub  
Jim Moore  
Ben Marguglio  
J. Simpson  
Bob Sevo  
Dave Ronk  
Gary Rogers  
Ray Oberleitner (Mergentime)  
Ken Vanderjack

Ross Landsman  
Mr. Boyd

Boos: Hello, Ross, this is Al Boos, with Don Horn.

Who is there with you?

Ross: Landsman and Boyd.

Boos: Who else?

~~Ross:~~ <sup>BOYD</sup> That is it.

Were you able to get through to the NRR or not?

Couldn't raise anybody - will handle without ~~them~~.

Boos: (Brief introductory remark) With respect to remedial soils work, it was the staff's position that all items were Q unless applicant could demonstrate that certain activities should be non-Q data. When I came back to Michigan, we have a weekly coordination meeting and one of the first things we did this morning was to draw up a list of those items which either have been completed or in process or are proposed which we feel can, in fact, be treated as non-Q items. Since we are working under the

*E/15  
FYHIBIT I*

business as usual concept of you making audits, we felt it was prudent to review with you this list prior to making inspection so that we would have a very clear dialogue in terms of those items remaining Q, primarily because in some respects we elect to bid it may not be physically possible to replace that item - like removing ~~log wood~~ <sup>wood logging</sup> or drift. Since we don't want to be cited, we are going to attempt to identify items we feel are non-Q. We feel it is essentially a complete list. May be a need from time to time to offer other items. We will try to do it before we undertake the work. I will ask Don to take us through this.

Boos: Access shafts below 609 - drifts, the piers and instrumentation (Ron Cook has a copy of it. If necessary for interpretation, he can help me).

1. Access shafts below 609 - Soldier Piles.

It may help you if you have a clean sheet of paper to put down four column headings. I will try and summarize. With respect to soldier piles, we have procured those piles and have installed them as non-Q as you are aware. With respect to access shafts below 609. In this case, in general, other than just access shafts at 609, we feel that the purchase of tools and equipment like torque wrenches, jacks, gauges and threading machines should be non-Q. Our rationale is that there is either provision for calibration or an end inspection of the fabrication, like the reinforcing steel that is threaded by the threading machine. Again, tools and equipment is intended to be a generic comment.

Question: Is this construction equipment?

Answer: Yes, tools and equipment.

Cook: (This is being transcribed for purposes of preparing a telephone summary. QA required it.)

3. Access shafts below 609. Purchase of steel and wood ~~legging~~ <sup>lagging</sup> and I believe we talked about that the other day in Bethesda.

J. Fisher: To differentiate - steel shape = whalers in wood ~~legging~~ <sup>lagging</sup>.

Ross: When we talked ~~an~~ the Washington, we were talking about the no certs.

Al: That is what makes it a Q purchase. We would not be buying this with mill certs because this steel doesn't stay in - it is temporary and non permanent. Standard manufactured item.

Ross: We are just talking about the mill cert?

Al: We are not talking about buying it Q.

Cook: The tons of concrete that you pour around here - did you have mill certs on the wood forms you used before? Why on this particular job? Isn't wood ~~legging~~ <sup>lagging</sup> steel shapes?

Al: That is right - We didn't think it needs to be bought Q.

Cook: You didn't talk about this before.

Al: This is a whole new thing.

Cook: NRC - what is the meaning of all this?

Al: We were directed that everything was to be Q unless the applicant could demonstrate that item could be classified as non-Q - we feel that it is imperative for us to check off with you even though you may say ~~they~~ <sup>that</sup> need not be purchased Q. We want to leave a trail that is crystal clear.

Cook: The point is that historically we never have approved anything. Our function is that you are obligated to assure the world that you have done all things appropriate and have invoked QA. We cannot either agree or disagree.

Al: I am not asking for you - I am making a statement of our policy in advance. We will know in an audit what our position is. If he is not in agreement with that position it is in our mutual interests for us to know now from a cost, schedule, quality and personnel safety standpoint.

Cook: Go ahead and revert back to the fact that you poured tons of concrete.

Fisher: We are doing this because of what you told us the other day.

Al: Last item under access shafts below 609 is purchase of rock bolts.

Ross: Which rock bolts?

Al: Rock bolts Turbine Building and buttress access shaft.

ATX Again, purchase <sup>Non-Q</sup> installation would be handled as Q. In all of these cases, I have talked about you will note I have talked about only procurement of material with exception of soldier piles. Tools and equipment, etc. Installation would be Q.

Ross: Continue.

Al: New subject - drifts. We are planning to procure the material for the steel sheets which are basically the box-shaped frames that accept ~~lagging~~ <sup>lagging</sup> in the drift as non-Q. Fabrication of those steel sheets would be Q and installation.

Al: The next item - the procurement of the wood ~~legging~~<sup>logging</sup> and wood wedges for the drifts would also be non-Q. Procurement. Procurement of the back packing material for the drifts would be non-Q. And as a 4th item, the procurement of the rock and earth anchors would be non-Q. Those are the sets of items under the classification of drifts. Under piers - - -

Don has asked me to again reiterate that fabrication and installation of the drifts classification items would be Q. Under classification of piers, Ross, you may be aware that there is Ethifoam to be put behind metal ~~leggings~~<sup>logging</sup> as back packing. May be gluing Ethifoam to steel . We will propose to procure that glue as a non-Q commodity. Verification that is in place would be a Q-listed activity. That is the only entry I have under piers.

Last item is instrumentation. We are talking about the settlement monitoring instrumentation, pier monitoring instrumentation, etc.

Our position here is that the raceway, the wire and the brackets that would accept the instrumentation would be procured and installed as non-Q. The checkout of the system and the ~~making~~<sup>taking</sup> of the reading would be Q.

Ross: What would you say about the instrumentation in that area?

Al: Instrumentation has been purchased Q.

The instrumentation system is in a data room - it has been procured and installed with environmental controls as non-Q.

Al: The last item which is essentially a repeat of that above under access shafts ~~g~~gauges, backup gauges, ~~h~~have been procured as non-Q but would be calibrated under a Q program. These are existing dial gauges. Our instrumentation is essentially well under way. Wiring has been pulled - raceway has been installed, etc. Those are the only comments I have.

Ross: Okay. Let us talk here a minute and we will get back with you in just a second.

B. Marguglio: Didn't those dotted lines mean all non Q?

Al: Yes, across the board.

BM: Did that come across in the conversation?

Al: I will reiterate it. It becomes Q at the checkout of the system.

Cook: I am here.

Ross: Feel free to make your own comment.

Boyd: We would like to digest this list and get back with your designated person on Monday. We'd like to sit down and look it over and get back with you, but not to say that we approve or disapprove. If we have any problems or = does not constitute approval - it means we don't have any problems with what is here.

Al: We recognize that you are not going to sign anything as co-approvers.

Boyd: But we can look over and make judgments whether we have any problems and identify anything that does give us problems. Who should we get back with on Monday?

Al: Don Horn.

Boyd: Okay.

Boyd: Ron, do you have any problems with that?

Cook: I think that can be quite livable. We might appear not to have any problems but later on we get into construction and problem is created. I don't want to have relinquished our right to enforcement in that area.

Ross: That is exactly why we don't go into approval process. My judgment is there will be very <sup>low</sup> ~~fee~~ that will happen that way but we want the door open.

Ross: Okay.

Al: Very good. The rest of us in the room will wait to hear from you and your results on Monday.

BM: I have a question. Will it be both of you gentlemen calling Don Horn Monday?

Boyd: Ron Cook and Ross and myself will get together and talk - one of us will make the call. We will get back with you on Monday with our findings.

Al: To clarify one point, to make sure I didn't mislead the people in Chicago - with respect to the raceway material - the wire, the fabrication of brackets that, <sup>except</sup> ~~accept~~ instrumentation, and termination of wire that we are talking about that, with respect to procurement through installation.

Boyd: Could you give Ron Cook a copy of that so he can fax it to us?

Cook: I will try to fax it to you right away.

Boyd: I think that is important.

Al: Thank you very much.

12/7/82

DISTRIBUTION - NRC OPEN ITEMS LIST

- R.A.Wells
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- P. Corcoran
- D. Anderson

BHP  
11/22/82

E/23

The following comments are applicable to Revision 2, dated 11/22/82, of the NRC Open Items List:

- 1) The list has been updated and reflects activities which took place on Friday, November 19, 1982.
- 2) A new status column has been added to describe open/closed status with the NRC and the Project.
- 3) Please contact me if you have any comments/corrections to the list.

NRC OPEN ITEMS LIST

Revision No. 2

Date 11/22/82

NRC OPEN ITEMS LIST

1. The purpose of this list is to keep track of Construction related open items from NRC Inspections at the Midland Plant.
2. Guide to using the form:

Item Number - each item/issue is numbered sequentially using the following key:

A - Administrative

C - Civil

E - Electrical

M - Mechanical

S - Soils

Date Initiated - enter the date the item/issue is opened with the NRC.

Description - enter a brief description of the item/issue.

NRC Inspector - name of the NRC Inspector

Responsible Engineer - initials of the responsible Site Management Organization (SMO) - Construction Department individual using the following key: -

JGB - Balazer, JG (ext. 511)

EME - Evans, EM (ext. 417)

DDJ - Johnson, DD (ext. 422)

GBJ - Johnson, GB (ext. 468)

JSK - Kreple, JS (ext. 405)

GM - Murray, GM (ext. 508)

BHP - Peck, BH (ext. 400)

DWP - Puhalla, DW (ext. 408)

GWR - Rowe, GW (ext. 414)

DES - Sibbald, DE (ext. 418)

TAS - Spelman, TA (ext. 415)

DJV - Vokal, DJ (ext. 404)

RMW - Wheeler, RM (ext. 416)

RHW - Wieland, RH (ext. 408)

JTW - Walton, JT (ext. 417)

Action - briefly describe action planned or being taken.

Due Date - enter a response/item closeout date, where applicable.

NRC Status - enter the status of the item as far as the NRC is concerned.

OPEN - The NRC is awaiting action or information from us.

CLOSED - No other action is required.

Project Status - enter the status of the item as far as we are concerned.

OPEN - We owe the NRC some action or information, or we have a document needing closure (FCR, NCR, etc.)

CLOSED - No other action is required.

BHPeck  
11/22/82

ITEM #	DATE INITIATED	DESCRIPTION	NRC INSP.	RESP. ENG.	ACTION	DUE DATE	NRC STATUS	PROJECT STATUS
A-1	10/19/82	Questions on the IPIN's Program.	Gardner	BHP	NRC has agreed to our future resolution to this problem. We still need to address how to correct work done to date. M. Curland is pursuing.			Open - Need to address past IPIN's.

ITEM #	DATE INITIATED	DESCRIPTION	NRC INSP.	RESP. ENG.	ACTION	DUE DATE	NRC STATUS	PROJECT STATUS
C-1	10/22/82	Monorail over Diesel Generator (Dwg. C-1009 welds not per drawing.	Landsman	JSK	The status of this item is being tracked under M-19B.	-		Closed
C-2	10/22/82	Structural Steel - vendor welds.	Landsman	DDJ	This item was originally found by us - not NRC. Issue will remain open until closed out per schedule prep. and by Bechtel.	1/83		Open - Need to close out SCRE.
C-23	11/10/82	Hole in concrete filled block wall at elevation 645', west side, into degassifier room. Hole was for shielding HVAC duct.	Bruce Burgess	TAS	The following information transmitted to B. Burgess on 11/10/82. A) Spec. 7220-C-231Q Rev 22. See 9.2.3 A&B. B) Dwg. 7220-C-1194Q Rev 2.	-		Closed

EM #	DATE INITIATED	DESCRIPTION	NRC INSP.	RESP. ENG.	ACTION	DUE DATE	NRC STATUS	PROJECT STATUS
3 7. 2	10/22/82	FSK procedure requires reference to design drawing. FSK-CY-1035 does not comply. Also, NRC wants design dwg. to reference assoc. FSK's.	Landsman	DWP	-Issued NCR-M-01-9-2-155 -Eng. Eval. need for FSK/design dwg. cross reference. -FE Review FSK is for similar problems.			OPEN - Need to expand scope
7. 1	10/22/82	The design drawing C-1004 does not show detail for beam connections.	Landsman	DWP	For beam connectors dwg. C-147 allows field to detail-dwg. C-147 provides criteria for welds not shown on C-1004. No other action required. Contact Steve Harvey.			Closed
	10/22/82	FSK should designate if "Q".	Landsman	DWP	-NCR-M-01-9-2-155 issued. -FE to review FSK's for similar problems.			Open : Need to expand scope.
	10/22/82	(Superceded by C-4)						See C-4
	10/22/82	D/G Bldg. - span change for fan support not per drawing.	Landsman	DWP	Span is o.k. Inspector misread drawing. No other action required. Contact Steve Harvey.			Closed
	10/22/82	Size of knife blade not specified.	Landsman	DWP	-Detail for bracing to be clarified (FCRC-5174) copy to NRC 11/22/82 -NCR-M-01-9-2-155 issued. -Field to review control of detailing.			Closed

M #	DATE INITIATED	DESCRIPTION	NRC INSP.	RESP. ENG.	ACTION	DUE DATE	NRC STATUS	PROJECT STATUS
9	10/22/82	Duplicate QCIR's for dry pack - same as IPIN problem.	Landsman	DWP	Were not duplicates but were revisions. No other action required.			Closed
10	10/22/82	Lost FCR for a fan support.	Landsman	DWP	Duplicate FCR reretired. Original could not be found. No other action required. Contact J. Davis.			Open - Conduct Audit (MPQAD)
11	10/22/82	Retired FCR - should be annotated on current drawing.	Landsman	DWP	Procedure changed to require retired FCR/FCN annotation.			Open - Review Retrofitting
12	11/5/82	The A-572 beams used in Reactor Bldg. - How does QC verify they are in fact A-572 beams?	Landsman	DWP	Review QCIR for attribute. Contact Steve Harvey/Ed Dutton.	11/8		Closed
13	11/5/82	Prior to 1979 what was the material control to keep Q and non-Q steel segregated?	Landsman	DWP	NRC given copies of all old procedures prior to 1979.	11/8		Open - Write up on other sites.
14	11/5/82	Detail 3 on dwg. C-1004 shows 1/4" angle and 5/16" plate - field measurements indicate small plates.	Landsman	DWP	-NCR written on plates -FE to rework undersized plates.	11/8		Open - Need Chronology for FCN and Engineering disposition of smaller plates.
15	11/5/82	Provide NRC with QCIR for structural steel for still framing for second floor of D/G Bldg. - Also any CMTR's for framing steel.	Landsman	DWP	Information available for NRC Review.	11/8		Open - Perform Inspection (MPQAD)
								Page 4 of 17 Update 11/22/82

ITEM #	DATE INITIATED	DESCRIPTION	NRC INSP.	RESP. ENG.	ACTION	DUE DATE	NRC STATUS	PROJECT STATUS
-16	11/10/82	FSK procedure does not allow field to do design. Because connections are designed by Field, the procedure is violated.	Landsman	DWP	FCR initiated to clarify detailing vs. design. Gave FCR to the NRC on 11/22/82.			Closed
-17	11/10/82	Material in laydown area does not seem to be segregated or marked per Field Procedure.	Landsman	DWP	Several trips to laydown area with NRC with no open items identified.			Closed
-18	11/10/82	Do the 1/4" plates and L's on fan support meet tolerances for ASTM A-6?	Landsman	DWP	Plates meet ASTM-A-6 L's not to be checked per NRC			Closed - Reviewed FER
-19	11/10/82	Some connection in HVAC fan support was bolted while dwg. called for welded.	Landsman	DWP	NCR written to cover Bay 3.			Open - Develop dwg./QC sign sequence.
-20	11/10/82	Address why QCIR for fan support steel is closed yet as-built is not per drawing.	Landsman	DWP	QAR written to address concern.			Open - What should QCIR address.
-21	11/10/82	Revision 6 of dwg. C-1004 incorporated FCN-C-335 yet the revision block did not note this.	Landsman	DWP	Correct drawing revision block. Contact D. Anderson/RLAkers			Closed
-22	10/28/82	Chipping of concrete on CB #1 exterior well at el. 680'	Barrett	EME	Refer to NCR M-1-9-2-154. Additional information provided to Mr. Barrett on 11/18/82.			Open - Need to close out NCR. Corrective action should address generic concerns.

ITEM #	DATE INITIATED	DESCRIPTION	NRC INSP.	RESP. ENG.	ACTION	DUE DATE	NRC STATUS	PROJECT STATUS
-1	10/14/82	Generator Control Panel 1C-231 anchor bolts not installed according to vendor drawing.	Gardner	GWR	FCR M-6655 written on 9/21/82 (lost) re-written on 10/14/82 requesting alternate anchoring detail.	11/26		Open - need close out of FCR.
-2	10/14/82	Internal wiring separation is inadequate-Panel 1C-232. (RET-Delta is supplier of 231 and 232 panels to Delaval)	Gardner	GWR	This problem identified on CPCo NCR-075 in June 1981. RTE-Delta on site 11/16/82. Barriers & boxes to be added via DCP. There still are open items that RTE has not addressed relative to this NCR.	11/30		Open - need to close out NCR. (MPQAD)
-3	10/14/82	Foundation bolts for Panel 1C-111 have no traceability	Gardner	GWR	Traceability found and shown to Mr. Gardner.	10/22		Closed
-3B	10/14/82	Anchor bolt washers missing and cannot verify Bevel washers are there.	Gardner	GWR	Insufficient flat washers on site to complete work. FMR-EY9382 to Procurement 11/11/82 ETA <u>11/22/82</u> . FCR M-7026 written 11/10/82 to request option of using Bevel washers or not. FCR due 11/22/82 for disposition.	11/30		Open - need to close out FCR.

M #	DATE INITIATED	DESCRIPTION	NRC INSP.	RESP. ENG.	ACTION	DUE DATE	NRC STATUS	PROJECT STATUS
4	10/14/82	Defective shop terminations in Panel 1C-111.	Gardner	GWR	DeLaval Rep to be requested to make site visit to assess defective terminations. SCRE #64 response due 11/22/82.	11/30		Open-Need to close out SCRE.
5	10/14/82	General concern on channel separation of wiring throughout the plant.	Gardner	GWR	QAR F-191 written on 8/2/82, response was to revise E-47 & E-42 and modify PQCI E 3.0. Resident Engineering to issue clarification DCN by <u>11/24/82</u> which supplies all criteria for inspection. Field Engineering to prepare FIE 4.200 to give inspection criteria by 12/15/82.	12/15		Open- Need to revise documents.
6	10/27/82	Mr. Barrett found cable traveling across the tray barrier and then back.	Barrett	GWR	Background information is contained on 11/1 and 11/10/82 updates. FPE 4.000 is being revised - due 11/22/82. FPE will give tie down requirements for horizontal trays, criteria for fill above barrier and will be a retrofit. Appropriate PQCI's will be revised upon issuance of FPE 4.000. Preliminary copy of FPE 4.000 sent to Mr. Barrett on 11/19/82.	11/30		Open- Need procedural revisions.

EM #	DATE INITIATED	DESCRIPTION	NRC INSP.	RESP. ENG.	ACTION	DUE DATE	NRC STATUS	PROJECT STATUS
E-7	10/19/82	Dimensions on Drawing E-796 do not agree with as-built conditions.	Gardner	GWR	FCN's 7040 and 8536 DCN #16 to E-796 written and approved. Copies given to R. Gardner on 11/10/82.	11/18		Closed
E-8	10/19/82	Pull boxes for conduits 2BN004 and 2BN007 in Bay 4 of the D/G Bldg. appear to be undersized according to E-42 SH 42.	Gardner	GWR	Background information is contained on update of 11/10/82. FCR E-3157 was approved on 11/17/82 and a copy sent to Mr. Gardner on 11/19/82.	11/19		Closed
E-9	11/2/82	Traceability of base plate material.	Gardner	GWR	According to E-42 SH 100 misc. steel is purchased to C-233Q. C-233Q is a fabrication specification. Bulk material is purchased to G-33Q and approval to purchase bulk materials against G-33Q is granted in C-233Q.	11/18		Open- Bechtel to review closure of C-233, App. B.
E-10	11/2/82	Mr. Gardner requested approved methods of tray attachments to supports.	Gardner	GWR	Gave Mr. Gardner copy of Husky-Burnidy hold down clip detail, specification for hold-down criteria (E-42 sh 8A, Sh 64 & Sh 64A). Welding details being numerous are specified in E-42. Gave Mr. Gardner SHDC-A hold down clip, copy of non Q & Q P.O.'s along with Receiving	11/5		Closed

M #	DATE INITIATED	DESCRIPTION	NRC INSP.	RESP. ENG.	ACTION	DUE DATE	NRC STATUS	PROJECT STATUS
-1	10/14/82	Exhaust system hangers in Diesel Generator Building. Why is this hanger non-Q.	Landsman	JSK Corcoran Lewis Ballweg	Hanger drawings have been revised Q. MPQAD has written an NCR (#M01-5-2-166)			Closed
-2	10/19/82	Strut Support not welded according to drawing 652-1-510.	Landsman	JSK Marl	Hanger Construction not complete.			Closed
-3	10/19/82	Strut support not welded according to dwg. 652-1-510	Landsman	JSK Marl	Hanger Construction not complete.			Closed
-4	10/19/82	Item #1 Bill of Material not according dwg. "10x8" tube steel replaced by "10x10" and not called out on work print 652-1-510.	Landsman	JSK Marl	Hanger Dwg. redlined in Standish Fab Shop due to lack of material. Redline not included in work print.			Closed
-5	10/19/82	No preheat done to structural steel in Diesel Generator Building prior to welding of exhaust system hangers. H 652 sh 1.	Landsman	JSK Sprague Fredianelli Harrison	PQC1 CW 1.00 does not require verification for preheat less than 70°F. NRC position is that verification of all temperatures should be required. BPCo has written FCR C 5150 to have welding spec changed to reflect pre-qualified AWS spec 1976. Telecon to Paul Barrett 11/18/82 to discuss following PQCI's: P-2.10, PW-1.00, E-2.1, E-1.0, FPW-4.000, CW-1.00, W-1.60.			Closed
-6	10/19/82	Field Welding Engineer does not keep records of non-Q inspections or what to impact.	Landsman	JSK	NRC observation that non-Q field welding records are not readily accessible.			Closed

EM #	DATE INITIATED	DESCRIPTION	NRC INSP.	RESP. ENG.	ACTION	DUE DATE	NRC STATUS	PROJECT STATUS
-7	10/20/82	Questions concerning large bore hangers in D/G Bldg. 1. Where is weld rod type specified for stiffener plate welding symbol.	Landsman	JSK	Form 84 civil as called out in weld spec. G-27.			Closed
8	10/20/82	2. Diesel Exhaust snubber 1-652-1-19. No stanchion to plate welding symbol.	Landsman	JSK	Assembly furnished by ITT Grinnell, no welding required at point in question.			Closed
-9	10/20/82	3. Upper Hangers on Diesel Exhaust system. Have they been inspected by QC.	Landsman	JSK Marl	P129 forms have not yet been filled out by FE's. Hangers not released to QC.			Closed
-10	10/20/82	4. Stiffener Plates Welded to Structural above hanger in question welded on one side only, is this good Eng'g practice?	Landsman	JSK Corcoran	Technically acceptable - obstruction would not allow welding to both sides.			Closed
-11	10/20/82	Questions concerning large bore hangers in Diesel Generator Bldg. Is there a redline for snubber 1-652-1-19 showing weld to imbed in bay 2. Similar situation in Bay 1.	Landsman	JSK Marl	FCR 6925 written to cover installation.	11/4		Closed
-12	10/20/82	Bay 2 left side beam attachment for spring hanger, although weld - there is a gap between two welded pieces is this acceptable redline to 1-652-1-501.	Landsman	JSK Sprague	Weld is okay, at least 7/16".	11/4		Closed

Item #	DATE INITIATED	DESCRIPTION	NRC INSP.	RESP. ENG.	ACTION	DUE DATE	NRC STATUS	PROJECT STATUS
13	10/19/82	Number on hanger FSK is not the same as number on ISO that references detail no. (1-652-1-19) US. 2-652-1-19.	Landsman	JSK Marl	M652 Sh 1 Rev. 9 F1 corrected problem.	11/4		Closed
14	10/19/82	Procedure for the time limit on forwarding SPEC changes from Ann Arbor.	Landsman	JSK JDavis Gilmartin	BPCo internal memo directing FE that two days will be allowed for tech. review prior to distribution.	11/4		Closed
15	10/19/82	Painting requirements for welds. Painting inside cont. is Q. Painting outside is non-Q. Is painting of Q welds required to maintain the integrity of the weld.	Barrett	JSK Riat Corcoran	BPCo has determined that based on metallurgical review of the problem that painting is not required to maintain integrity of the weld. (Need to confirm this with Barrett).	11/9		Closed
16	10/28/82	Control of distribution of redline changes should go through Document Control not Field Engineering as is presently done.	Barrett	JSK Gilmartin JDavis	BPCo has developed flow charts of the existing and proposed methods of handling drawing changes to route through D/C. Copy of flow charts forwarded to NRC.	11/22		Open
17	10/28/82	Is there a program to control removal of temporary hangers?	Barrett Cook	JSK Pulito	BPCo presently has several methods of controlling temporary. They include: 1. System Punchlist 2. System Walkdown 3. Hanger Walkdown 4. PSDIV Section 5.8.1 This program will be explained to RCook NRC.	11/15		Closed

EM #	DATE INITIATED	DESCRIPTION	NRC INSP.	RESP. ENG.	ACTION	DUE DATE	NRC STATUS	PROJECT STATUS
-18	10/28/82	Material traceability problem. Material purchased from non-approved vendor. (NCR3266)	Barrett	JSK Corcoran Marl McClure Anderson Detrich	Telecon to Barrett 11-18-82 did not resolve concern. Additional information is being gathered by DAnderson.			Open
19 A	10/22/82	Monorail over diesel generator. Why is this Non-Q?	Landsman	JSK Corcoran Anderson Senn	MPQAD has written a QAR (#F228). Calculations to show seismic analysis has been performed have been reviewed by NRC. 2 over 1 generic issue.			Open
19 B	10/22/82	Monorail over diesel generator. Welds do not conform with what's on dwg. C-1009 (This item was C-1).	Landsman	JSK Corcoran Anderson Senn	Welds conform with symbols on dwg. however, interpretation of weld symbols pertaining to the extent of weld must be clarified for the NRC.			Open
20 A	11/10/82	The diesel engineer exhaust silencer is designed to move horizontally on 2,1/8" stainless bearing plates. 4,1/16 bearing plates have been installed.	Burgess	JSK Kilizek Marl	Vendor dwgs. M-18-357-1 and M-18-358-2 shows flouorocarbon bearing plate detail.			Closed
20 B	11/10/82	Will dirt between the plates hinder the movement.	Burgess	JSK	5 of 16 flourogold bearing plates are sufficiently warped to allow inclusion of dirt. Top flourogold plate is larger than the bottom to preclude the inclusion of dirt. BPCo will develop a program to blow out before T/O. (continued)			Closed

M #	DATE INITIATED	DESCRIPTION	NRC INSP.	RESP. ENG.	ACTION	DUE DATE	NRC STATUS	PROJECT STATUS
20 B continued)					Vendor brochure FC-5015-3 states that plates should be protected from contamination.			
21 A	11/10/82	Support bearing plates in Bay 1 are not large enough to be welded to exhaust silencer support. Dwg 7220-M18-250-5 calls for bearing plates to be welded.	Burgess	JSK Kiliszek Marl	FCR 7047 written to cover stitch welds. All plates are welded per dwg.			Open
21 B	11/10/82	Why are there slots in the center support on the silencer in Bay 4.	Burgess	JSK Kiliszek Marl	Dwg. M-18-425-4 shows detail and notes to enlarge center holes in field to clear anchor bolts where necessary.			Open
22 A	11/10/82	Exhaust silencer has calculated horizontal growth of .532" per dwg. M-18-250-5. The slots in the bearing supports are not uniform in all bays and may not allow predicted thermal expansion.	Burgess	JSK Kiliszek Marl	NCR 4693 has been written to rework plates. Slots were torch cut and not machined to dimensions shown on dwg.			Open
22 B	11/10/82	Why didn't the QC receipt inspection program catch the slot problem.	Burgess	JSK Kiliszek Marl	Receipt Inspection Program was not required to inspect to that detail.			Open
23 A	11/10/82	Center support beneath exhaust silencer in Bay 1 is not grouted completely and may put additional load on exhaust pipes.	Burgess	JSK Kiliszek Marl Anderson	Silencer was installed prior to exhaust pipes. Pipes were then fitted to silencer from engine.			Open

EM #	DATE INITIATED	DESCRIPTION	NRC INSP.	RESP. ENG.	ACTION	DUE DATE	NRC STATUS	PROJECT STATUS
-23 B	11/10/82	What does the lack of grout in center support do to harm the outside flourocarbon bearing support plates. How much weight can they stand.	Burgess	JSK Kiliszek Marl	Calculations done by BPCo field eng'g show load to be about 31 PSI. Brochure for flourogold bearing plates show that they can withstand 500PSI at 400°F.			Closed
-23 C	11/10/82	Vendor dwg M-18-250-6 show jacking plates to be in bedded in concrete beneath support jacking screws. What effect does jacking screws have on bare concrete. Show calculations to prove concrete strength was adequate to support jacking without failure.	Burgess	JSK Kiliszek Marl	NCR 4694 has been written against installation of jacking plates. Not all plates are missing. D. Anderson is doing concrete calcs.			Open
-24	11/10/82	Center silencer support drawing M-8-250-5 shows that anchor bolts have one nut while there are actually two units installed in field.	Burgess	JSK Kiliszek Marl	Extra nuts have been removed.			Closed
-25	11/10/82	M-18-250-5 notes that support plate set screws should be removed after grouting and they have not been.	Burgess	JSK Kiliszek Marl	Set screws have been removed.			Closed
-26	11/10/82	Starting air lines in Bay 2. What year of the ASME code are these lines constructed to? What year of the ASME code are these lines examined to?	Barret	JSK DAnderson	Starting air lines were supplied by Grinnell. Table 3. 2.4 of the FSAR states that "shop fabricated piping 2 1/2" and larger is designed to the 1981 ASME code summer '73 addendum. (continued)			Closed

M #	DATE INITIATED	DESCRIPTION	NRC INSP.	RESP. ENG.	ACTION	DUE DATE	NRC STATUS	PROJECT STATUS
26	continued)				<p>Table 3.2-3 of the FSAR states that the Emergency Diesel generators (supplied by Delaval are designed 1974 ASME code, summer '76 addendum.</p> <p>The 1981 code states that section III piping 4" and less does not require NDE more stringent than visual. The 1974 code changes the size to 2" and less.</p> <p>QAR F-222 has been written by MPQAD.</p>			

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1	8/9/82	Develop Procedure For Construction Coordination Forms.	Gardner	GMM	Ready to close. Resolve with Gardners next visit.	11/5		Closed
2	7/15/82	Provide NRC with our procedures to drill with Revert.	Gardner	DES	SWP Procedure issued- More-trench procedure needs revision.	11/11		Open
3	9/22/82 Item of Noncompliance.	BWST Crack Grouting	Landsman	DWP	Review MPQAD			Closed - Sent response to NRC.
4	9/22/82 Item of Noncompliance.	Slope layback	Landsman	GMM	Review MPQAD response			Closed - Sent response to NRC.
5	9/22/82 Item of Noncompliance.	Petcock location.	Landsman	DES	Review MPQAD response			Closed - Sent response to NRC.
6	9/24/82	Why is EPA moving up? Resolve question with R. Landsman.	Landsman	GMM	Prepare response by 11/1/82.	11/5		Open
7	10/22/82	Temporary underpinning beneath T.B. "Q". Define on C-45.	Landsman	DES	Addressed w/NRC on 11/4/82. Work to be board order plus MPQAD 1 & 2.	11/11		Open
8	10/22/82	Baffle & Perimeter Dike Q?	Landsman	RHW	Same as S-7	11/11		Open

I #	DATE INITIATED	DESCRIPTION	NRC INSP.	RESP. ENG.	ACTION	DUE DATE	NRC STATUS	PROJECT STATUS
9	10/22/82	Letter to NRC on C-45 review for '10'.	Landsman	RHW	Mooney to send letter need follow up.	11/5		Open

Testimony:

- #1. Landsman - 1) sets problem (explain)
- 2) engineering flaws (include DGB)
- 3) lack of confidence - (examples)

review test from  
last session  
minutes  
Review  
1+2, + last days  
of testimony  
[last session]  
summary memo  
minutes, logs, -  
etc.

- #2. Gardner - 1) cables, supports, hardware problems
- 2) DGB findings

3) IPIN's stund into NCRs + closed out  
explain why a problem

stuff attached  
to Keppel  
3-25.

- #3. Gook - 1) Who runs plant? Bechtel or Consumers?  
examples
- 2) lack of cooperation = CP
- 3) Good team effort

1) Do they need more help?

Hold points

Keppel - Orlydu own baby