



STONE & WEBSTER MICHIGAN, INC.

P.O. Box 2325, BOSTON, MASSACHUSETTS 02107

United States Nuclear Regulatory Commission
Midland Site Resident Office
Route 7
Midland, MI. 48640

August 4, 1983

J. O. No. 14358
Ref. MPF 45

Attention Mr. R. Cook

RE: DOCKET NO. 50 - 329/330
MIDLAND PLANTS - UNITS 1 & 2
INDEPENDENT ASSESSMENT OF UNDERPINNING
REPORT NO. 45

A copy of the Independent Assessment of Underpinning, Weekly Report No. 45 for the period of July 24, 1983 through July 30, 1983 is enclosed with this letter. Included as attachments, are the minutes of the daily meeting held during the week between members of the Assessment Team and Site Engineering, Construction, and Quality Assurance personnel.

If you have any questions with respect to this report, please contact me at 617-589-2067.

Very truly yours,

A. Stanley Lucks

A. Stanley Lucks
Project Manager

Enclosures

ASL/pd

J. O. No. 14358
Midland Plant
Units 1 & 2
Independent Assessment of Underpinning

Weekly Report No. 45

July 24, 1983 through July 30, 1983

Personnel on Site

Stone & Webster Michigan, Inc.

P. Barry	7/25 - 7/26
W. Kilker	7/25 - 7/28
B. Holsinger	7/25 - 7/27
A. Scott	7/25 - 7/30
A. Lucks	7/26 - 7/27
S. Rossier	7/26 - 7/27
P. Majeski	7/27 - 7/30

Parsons, Brinckerhoff Michigan, Inc.

P. Parish	7/25 - 7/29
T. Kuesel	7/26 - 7/27

Meetings Attended

<u>Date</u>	<u>Represented</u>	<u>Purpose</u>
7/25 - 7/29	Stone & Webster Bechtel Consumers Power Parsons	Daily Meetings
7/26	Stone & Webster Consumers Power	Weekly MPQAD Meeting
7/26	Stone & Webster Bechtel Consumers Power Parsons Mergentime	Meeting to discuss Contingency Plan for Support of EPA

Activities

Construction:

Pier E8: The installation of the lower leveling plate was completed and the installation of the transfer frame assembly was started. Excavation for the tell-tale instrumentation was completed and the installation of the instrumentation was started.

East Side Zone Excavation: The installation of the reinforcing steel for the deadman and tieback system was completed and the placement of concrete including the mudmat was made.

Pier E10: The pier remained on active jacking throughout the week.

Pier W8: The installation of the lower leveling plate was completed and the installation of the transfer frame assembly was started.

J. O. No. 14358
Midland Plant
Units 1 & 2
Independent Assessment of Underpinning

West Side Zone Excavation: The excavation and the reinforcing steel for the deadman and tieback system was completed and the placement of concrete including the mudmat was made.

Pier_W10: The pier remained on active jacking throughout the week.

SWPS: No work was performed at this structure during this week because of the Stop Work Order and nonconformance restrictions in effect.

BWST: A concrete mudmat was placed around the existing foundation at the west tank. Removal of laitance from the existing concrete surface by sandblasting continued. The grouting of the shear connection bolts continued.

UAT: The preparatory work inside of the UATs prior to cutting through the pipe continued.

Quality Control Documentation and Records

Reviewed the effectiveness of Quality Action Requests (QAR) as a mechanism for addressing quality concerns.

Witnessed that Quality Inspections being performed for concrete placement.

Observations

Construction: The placement of concrete for the deadman and tieback was accomplished in a very organized and efficient manner. Due to the constraints placed on construction by the sequencing requirements, a very limited amount of work could be performed on the Auxiliary Building underpinning until such time as the deadman concrete attains required strength. Although pre-assembly of the load transfer frame assemblies was made in the field prior to installation at Piers E/W8, problems were encountered during installation due to tolerances. Resolution of these problems await an Engineering review and decision.

Additional Work Activity Packages were approved the latter part of the week and will permit work in other areas to commence upon completion of load transfer at Pier E/W8.

Due to the grouting problems experienced while grouting the lower levelling plates for Piers E/W8, procedural changes have been implemented to resolve the problems with voids.

On July 26, and 27, 1983, Mr. R. T. Kuesel, Chairman of the Board of Parsons Brinckerhoff, and Mr. S. C. Rossier, Assistant Engineering Manager of Stone & Webster Engineering Corporation visited the jobsite. After touring the site, Mr. Kuesel and Mr. Rossier indicated that all work areas were well organized and the underpinning work viewed was of a very high quality, well above the industry norm. They further noted that the welding for the grillage beams and load transfer frames that were examined in the storage area was of excellent quality and, again, above that normally seen in underpinning operations.

Quality Control, Documentation and Records:

1.) In reviewing the effectiveness of the QAR system the Assessment Team determined that MPQAD had, on occasion, used an extreme interpretation of the term "indeterminate" to justify the issuance of NCRs. In these cases the NCRs were written primarily to obtain an expeditious response to requests for additional information from Project Engineering. When FSO has elected to rework the nonconforming items, Project Engineering response is not required, thus the original purpose of issuing the NCR is thwarted. The Assessment Team believes that request for additional information would more appropriately be handled through use of the QAR system. However, there are several shortcomings of the QAR system as it is presently used:

a. QARs are only being written by QA. Quality Control has a first-hand knowledge of concerns and should be able to originate a QAR.

b. QARs may not fully alert Project Engineering to possible impact on given work activity. The QAR system is too cumbersome for use in obtaining information when time is of the essence.

c. QARs are not routed to FSO, consequently, FSO may not be aware of the concern.

The Assessment Team believes that MPQAD should carefully consider modifying the existing QAR system or developing a new system for use in requesting information on Engineering requirements instead of relying on NCRs for this purpose. However, care must be exercised to insure that the system is not applied to truly nonconforming items.

It should also provide a mechanism to stop affected work until resolution is obtained. This latter requirement allows for the situation where a nonconformance is suspected but unproven, thus requiring additional Engineering input and/or testing and inspection.

2.) Observed US Testing Laboratory personnel perform sampling and testing of concrete during concrete placement for deadman and tiebacks on west side. Testing and sampling was done in accordance to project procedures.

Work Activity Packages - An overview was performed on Work Activity Packages WAF 48, 49 and 52. All questions and comments were satisfactorily answered. These work activity packages were found to include sufficient information to complete the work described.

Nonconformance Identification Report

<u>NIR No.</u>	<u>Description</u>	<u>Date</u>
13	PQCI Attribute for Plate Bearing Verification	(Opened) (Closed) 7/14/83

Open Item Requiring Resolution

The following is a listing of all open items from the Daily Meeting Notes with Bechtel and the Weekly Meeting with MPQAD. Carry over items from past weeks which have been closed out this week are also listed.

<u>Item No.</u>	<u>Description</u>	<u>Closure Reference</u>
W.R.25,pg5	Commitment to assess training and personnel records.	Open

<u>Item No.</u>	<u>Description</u>	<u>Closure Reference</u>
W.R.26, pg.3	Commitment to assess proposed concrete mix designs.	45-7
W.R.29, DMN 4-4#5	Commitment on filling lagging louvers with packpacking material.	45-10
W.R.36, DMN 5-26#1	QA concerns of Programatic change effect on Procedure Revisions.	45-7
W.R.40, pg.3	Concerns on proposed concrete mix designs.	45-12
W.R.42, pg.3	Commitment to evaluate response to Grillage Installation PQCI	Open
43-24	Close-out of Assessment Team Open Items of Weekly Report 1-42	45-18
43-29	Discussion of Modification of No. of Inspection Sign-offs	45-13
43-4Q	Receipt Package Request	Open
43-5Q	Grillage Installation Questions	Open
44-7	Request for Chronology of Events Surrounding Reoccurrence of loose Washers on W8 N-S Bulkhead	Open
44-20	Resolution of a Question on Need for Grillage Installation Procedural Change	Open
44-27	Commitment to Review Proposed Concrete Mix Designs	45-7
44-31	Resolution of Open Items from Weekly Report Nos. 1-42	45-18
44-2Q	Grillage Beam Receipt Inspection Package	Open
44-3Q	Status of Questions on Grillage Beam PQCI	Open
45-8	Test Cylinder for New Mix Designs with 60 Day Breaks	Open

J. O. No. 14358

Midland Plant

Units 1 & 2

Independent Assessment of Underpinning

<u>Item No.</u>	<u>Description</u>	<u>Closure Reference</u>
45-17	Existing Concrete Mix Slump Inadver- tency Margin	Open
45-19	SWPS Retaining Wall Questions	Open
45-1Q	Status of NIR #13	Open
45-7Q	Status of QA NCR on QC Certification	Open
45-8Q	Discussion on Mechanism of Ident- ifying Quality Concerns	Open

WE Killeen
Project Engineer

AS Buchanan Costello
Project Manager

Notes of Daily Meeting
Independent Assessment of Underpinning
Midland Plant Units 1 & 2
Consumers Power Company

Held at Midland Site Location
Midland, Michigan
July 25, 1983

Present For:

Consumers Power

G. Murray

Bechtel

J. Fisher
E. Cvikl
J. Gaydos
J. Kelleher
M. Lewis

MPQAD

R. Sevo

Stone & Webster

P. Barry
W. Kilker
B. Holsinger

Parsons

P. Parish

Purpose

This meeting is held each day to discuss items regarding the Independent Soils Assessment at the Midland Plant, Units 1 & 2.

Discussion

Item 45-1 - Status of Piers E/W8 Lower Leveling Plate Grouting.

J. Fisher reported that portions of the lower leveling plates had been regouted after void areas had been detected. Efforts are underway to avoid these installation problems in the future by increasing the size of the batching equipment and considering the introduction of bleed holes in the plates to allow air to escape during the placement. The Assessment Team agrees that procedural modifications are required to improve the installation quality. (CLOSED ITEM)

Item 45-2 - Rebar Threading NCR on E/W8 Grillage Tiebacks.

J. Fisher reported that the nonconformance on the reinforcing bar threading procedure requirements has not been resolved. Resolution is required in order to fully complete the deadman and drop-pit tieback installations. (CLOSED ITEM)

Item 45-3 - Status of Pier E/W8 Load Transfer.

J. Fisher reported that the pier load transfer would be likely toward the end of the week depending upon the leveling plate grout cure and resolution of fabrication nonconformances on jackstands. (CLOSED ITEM)

Item 45-4 - Status of Service Waterline Excavation.

J. Fisher reported the FSK for support of the electrical duct is in QA review. Resumption of the work is curtailed by release of this field sketch. (CLOSED ITEM)

Item 45-5 - QC Hold Tag Descriptions.

W. Kilker observed that over the past 1 - 2 weeks the descriptive portion of the Hold Tag has generally been a generic statement on preventing inaccessibility of the item to occur. The exact nature of the respective nonconformance has been found on attached forms. W. Kilker questioned if that was the intent of the recent change to the MPQAD tagging instructions. It was suggested the item being discussed in the weekly MPQAD/Assessment Team meeting. (OPEN ITEM)

Notes of Daily Meeting
Independent Assessment of Underpinning
Midland Plant Units 1 & 2
Consumers Power Company

Held at Midland Site Location
Midland, Michigan
July 25, 1983

Item 45-6 - Unit 1 EPA Settlement.

J. Fisher and E. Cvikel reported that the settlement rate of the EPA (west-side) has reduced markedly over the past few days. The likelihood now is quite small of reaching the alert level before grillage installation is completed. Nevertheless, Mergentime has been notified to prepare the equipment to install temporary supports, if required. (CLOSED ITEM)

Item 45-7 - Approval of Superplasticized Concrete Mix.

G. Murray said the information on the proposed mix designs has been forwarded to the NRC and discussions are underway. P. Barry stated the Assessment Team has reviewed the SCN for the 3 proposed mixes and is satisfied that the qualification methodology was done properly. (CLOSES OUT ITEMS 44-27, WR # 26 pg.3 and WR# 40 pg. 3.)

Item 45-8 - Test Cylinder for New Mix Designs with 60-day Breaks.

P. Barry asked if the existing project documents address the test cylinder break requirements. J. Fisher will respond. (OPEN ITEM)

Item 45-9 - EPA - Grillage Support.

F. Parish questioned the group where there is background information on the consideration that went into design of this area support. G. Murray and M. Lewis stated that NRC Hearing Testimony is likely the best source of information. (CLOSED ITEM)

Item 45-10 - Lagging Lower Backpacking.

J. Fisher, in response to an outstanding open item, stated that it is the intent of the Contractor to minimize the amount of backpacking material left between lagging sets once the backpacking operation is completed in a given area. (CLOSES OUT ITEM 5 of Daily Meeting Notes of April 4 , Weekly Report # 29 and Item 44-31)

Item 45-11 - QA Programmatic Procedural Changes.

In response to an outstanding open item, R. Sevo verified that the necessary programmatic retraining and PQCI re-write was accomplished prior to the field use of the applicable documents (CLOSES OUT ITEM 1 of the Daily Meeting Notes of May 26, Weekly Report # 36)

Item 45- 12 - Load Transfer Acceptance Criteria.

E. Cvikel and M. Lewis, in response to an outstanding open item, stated that settlement data used to determine the acceptance criteria for wedging-off the pier load will be based on settlement that occurs after rebound during the 125 percent to 110 percent jack load decrease. The Assessment Team agreed that this approach was acceptable. (CLOSES OUT ITEM 5 of the Daily Meeting Notes of June 30, Weekly Report # 41.)

Notes of Daily Meeting
Independent Assessment of Underpinning
Midland Plant Units 1 & 2
Consumers Power Company

Held at Midland Site Location
Midland, Michigan
July 25, 1983

Item 45-13 - Review of Number of Inspection Sign-offs Required for Pier Completion.

It was agreed by all representatives present that the discussion item on the proposal to review the number of inspection sign-offs required to complete a given pier should be considered closed for the purposes of this meeting. If FSO, SMO or MPQAD wishes to pursue this review it will be done by separate meetings.
(CLOSES OUT ITEM 43-29)

Notes of Daily Meeting
Independent Assessment of Underpinning
Midland Plant Units 1 & 2
Consumers Power Company

Held at Midland Site Location
Midland, Michigan
July 26, 1983

Present For:

Consumers Power

G. Murray
J. Schaub

Bechtel

J. Fisher
E. Cvikl

MPQAD

R. Sevo

Stone & Webster

P. Barry
W. Kilker
A. Scott

Parsons

P. Parish

Purpose

This meeting is held each day to discuss items regarding the Independent Soils Assessment at the Midland Plant, Units 1 & 2.

Discussion

Item 44-14 - Status of NCR on Rebar Threading.

J. Fisher reported that this NCR has not been resolved and the deadman tieback installation for the E/W8 grillages is impacted. In any case, J. Schaub advised FSO that MPQAD be notified ahead of time of any work to be done by Bechtel direct hire so that the proper inspections can be planned and executed. (CLOSED ITEM)

Item 45-15 - QC Hold Tag Description.

W. Kilker reported that a discussion was held with MPQAD on the wording on hold tags and supplementary information forms. MPQAD stated they intend to identify the nonconformance on the Hold Tag but restrict the extent of the impacted area information to the supplementary form description. (CLOSES OUT ITEM 45-5)

Item 45-16 - EPA Temporary Support.

J. Schaub & J. Fisher reported there is a meeting today to discuss the various temporary support options for the EPA if required. (CLOSED ITEM)

Item 45-17 - Existing Concrete Mix Slump Inadvertency Margin.

P. Barry commented that the design basis for the existing concrete mix design should be verified to insure code compliance. E. Cvikl is investigating. (OPEN ITEM)

Item 45-18 - Resolution of Open Items from Assessment Team Report.

W. Kilker reported that the open items discussed in the daily meeting of July 25 have been closed and will be described as such in Weekly Report # 45. (CLOSES OUT ITEM 44-31 and 43-24)

Notes of Daily Meeting
Independent Assessment of Underpinning
Midland Plant Units 1 & 2
Consumers Power Company

Held at Midland Site Location
Midland, Michigan
July 26, 1983

Item 45-19 - SWPS Retaining Wall Questions.

P. Parish submitted a series of questions on the SWPS retaining bracing system drawings. FSO will respond. (OPEN ITEM)

Notes of Daily Meeting
Independent Assessment of Underpinning
Midland Plant Units 1 & 2

Held at Midland Site Location
Midland, Michigan
July 27, 1983

Present For:

Consumers Power

R. Wheeler

Bechtel

J. Fisher
E. Cvikl
D. Lavelle

MPQAD

R. Sevo

Stone & Webster

P. Barry
W. Kilker
A. Scott
A. Lucks
S. Rossier

Parsons

P. Parish
T. Kuesel

Purpose

Discussion

Item 45-20 - Rebar Threading NCR.

J. Fisher reported the NCRs on the tieback threaded rebars have been resolved and concrete placement is scheduled for today. (CLOSED ITEM)

Item 45-21 - NPS Grillage Material Status.

D. Lavell explained that a number of NCRs remain to be resolved on the four major NPS material shipments received at the site. All QC inspections are, however, complete and the type of nonconforming conditions now being addressed should not reoccur. Once the jackstands and transfer frame are released to Mergentime approximately 5 days will be required to initiate load transfer. (CLOSED ITEM)

Item 45-22 - Grout Cure Temperature.

E. Cvikl reported the manufacturer of the grout used on the project has issued a letter describing the recommended curing temperatures. Engineering will indicate any required changes to the project documents. (CLOSED ITEM)

Item 45-23 - NRC Approval of Superplasticized Concrete Mixes.

R. Wheeler stated the NRC had approved the use of the proposed superplasticized concrete for the underpinning work. (CLOSED ITEM)

Item 45-24 - EPA Temporary Support.

J. Schaub reported that the use of jackpiles or other form of temporary support of the EPA has for now been discounted. Rather the Contractor will concentrate on installing the grillage beams as originally planned. (CLOSED ITEM)

Item 45-25 - Work Release Requests.

R. Wheeler stated that SMO will be requesting work release on piers CT1 & CT12, drift to KC3 and KC10, and two control tower piezometers. W. Kilker stated the Assessment Team had reviewed these packages and concurs with their adequacy. (CLOSED ITEM)

Notes of Daily Meeting
Independent Assessment of Underpinning
Midland Plant Units 1 & 2
Consumers Power Company

Held at Midland Site Location
Midland, Michigan
July 28, 1983

Present For:

Consumers Power

J. Schaub

Bechtel

J. Fisher
E. Cvikl
J. Gaydos

MPQAD

R. Sevo

Stone & Webster

W. Kilker
A. Scott
P. Majeski

Parsons

P. Parish

Purpose

This meeting is held each day to discuss items regarding the Independent Soils Assessment at the Midland Plant, Units 1 & 2.

Discussion

Item 45-26 - E/W Load-Settlement Plots.

J. Schaub requested a copy of the load time history vs. settlement plots for the E/W10 piers. E. Cvikl will provide copies of this at the meeting on 7-29.
(OPEN ITEM)

Item 45-27 - E/W8 Tieback/Deadman Status.

J. Fisher reported that concrete at both tieback/deadman has been placed. However, the concrete strength must be 4 ksi before the drop-pits can be completed. In the meantime, the work will be limited to leveling plate installation. (CLOSED ITEM)

Item 45-28 - Disposition of NCR's.

J. Schaub reported that a recent NCR on rebar threading took 14 hours to resolve because all of the proper signators were not on-site at night. The importance of supporting the 24 hour/day construction activity was stressed. All groups must assign adequate personnel to all shifts. (CLOSED ITEM)

Item 45-29 - QC Receipt Inspection of NPS Materials.

J. Fisher reported all QC and MPQAD-Soils receipt inspection reports are closed. All shipped materials can now be forwarded to Mergentime for installation and/or the necessary rework. (CLOSED ITEM)

Item 45-30 - SWPS Status.

J. Fisher stated that FSO has prepared all of the procedural changes required to re-start the SWPS work. However, SMO must review and approve the documents.
(CLOSED ITEM)

Notes of Daily Meeting
Independent Assessment of Underpinning
Midland Plant Units 1 & 2
Consumer's Power Company

Held at Midland Site Location
Midland, Michigan
July 28, 1983

Item 45-31 - Grillage Beam Re-work Impact on Installation.

A. Scott questioned if enveloping all of the re-work requirements into one NCR would impact the need for any of the beams for temporary support of the EPA if required. J. Schaub and R. Sevo said that a beam could be released for such a situation if the need arose. (CLOSED ITEM)

Item 45-32 - Concrete Workability.

P. Parish commented on the good workability of the concrete placed on 7-28 for the west side tieback/deadman. J. Gaydos reported the slump for that material was 4" - 5". (CLOSED ITEM)

Notes of Daily Meeting
Independent Assessment of Underpinning
Midland Plant Units 1 & 2
Consumers Power Company

Held at Midland Site Location
Midland, Michigan
July 29, 1983

Present For:

<u>Consumers Power</u>	<u>Bechtel</u>	<u>MPQAD</u>	<u>Stone & Webster</u>
A. Blocher	J. Fisher	G. Carpenter	A. Scott
	E. Cvikl		P. Majeski
	M. Blendy		
			<u>Parsons</u>
			None

Purpose

This meeting is held each day to discuss items regarding the Independent Soils Assessment at the Midland Plant, Units 1 & 2.

Discussion

Item 45-33 - E/W Load-Settlement Plots.

E. Cvikl provided plots from long term loading of E/W10. (CLOSES ITEM 45-26)

Item 45-34 - Service Water Pipe Replacement.

All FSK's are approved and thru Document Control. (CLOSED ITEM)

Item 45-35 - SWPS Retaining Wall Questions.

P. Parishes' memo (Item 45-19) forwarded to project for action. Completion date expected, 8-5-83. (CLOSED ITEM - Original Item 45-19 remains open for response.)

Item 45-36 - Review of Number of Inspection Sign-offs Required for Pier Completion.

A meeting is planned for 8/3/83 to begin discussion on two procedures as a trial to see if any significant reductions are possible. (CLOSED ITEM)

Notes of MPQAD Meeting
Independent Assessment of Underpinning
Midland Plant Units 1 & 2

Held at Midland Site Location
Midland, Michigan
July 26, 1983

Present For:

Stone & Webster

A. Scott
W. Kilker
B. Holsinger

MPQAD

J. Meisenheimer
D. Horn
M. DeWitt

Purpose

This meeting is held each week to obtain information from MPQAD regarding the Soils Underpinning work at the Midland Plant Units 1 & 2.

Discussion

Item 45-1Q - Status of NIR # 13.

D. Horn stated the PQCI is in the process of being revised. Once the revision is complete the NIR can be closed. (OPEN ITEM)

Item 45-2Q - Status of Receipt Inspection of N.P.S. Materials.

MPQAD understands that the inspections are complete. However, the inspection reports and any nonconformance reports have not yet been completed. (CLOSED ITEM)

Item 45-3Q - Construction Related QA NCR's.

J. Meisenheimer stated that there was an area of concern with work performed by Bechtel direct hire personnel. (BOP) for Underpinning. The concern arose as the result of the lack of procedural requirements for Quality inspection. However, there may be some misinterpretations of the Q.A. requirements. This area of concern was discussed with SMO and FSO. The CPCo, Q.A. manager will be on site to provide a class on the intent of the MPQP-2 requirements for procedures for Bechtel work activities. J. Meisenheimer has instructed his staff to do a more thorough review of the Work Packages and has so informed FSO. In addition, he has requested that QA be present at the FSO daily meeting which is conducted with the Field Supervisors to go over the daily activities. J. Meisenheimer indicated that this is not a widespread concern in that the electrical, instrumentation and FIVP work activities have been performed to the project requirements. (CLOSED ITEM)

Item 45-4Q - Status of ~~The~~ Two Stop Work Orders.

J. Meisenheimer stated that for the BWST, the BOP, PQCI should be out today. At that time the impact on the need for retraining and recertification will be evaluated. For the SWPS a checklist on commitments has been developed and evaluated for compliance. The PQCI's have been developed, retraining and where required, re-examination is in-progress. (CLOSED ITEM)

Item 45-5Q - Status of U. S. Testing.

M. DeWitt stated that two NCR's and one QAR have been issued. One NCR dealt with U. S. Testing timely notification for Q. C. witness points. The second NCR dealt with U.S. Testing not having personnel certified to sample the stockpile and splitting of these samples. It was pointed out that the Q.C. over-inspection has shown the U.S. Testing personnel do adhere to the procedures. (CLOSED ITEM)

Notes of MPQAD Meeting
Independent Assessment of Underpinning
Midland Plant Units 1 & 2

Held at Midland Site Location
Midland, Michigan
July 26, 1983

The QAR was written to clarify the intent of U. S. Testing QA program with respect to tensile testing of rebar. The procedure implies that a certified Level I is to assist a Level II in performing the test. This appears to be more stringent than the ANSI definition of capabilities for Level I vs. Level II. (CLOSED ITEM)

Item 45-6Q - Extent of Descriptions Included on Hold Tags.

W. Kilker asked whether sufficient descriptive data was being included on Hold Tags. J. Meisenheimer stated that Hold Tags are a " flag " to identify a nonconforming item to all Field personnel. The mechanism for controlling the nonconforming item is the Nonconformance Report and the Conditional Release Report. Too much information on the Hold Tags could be misleading. This explanation was acceptable to S & W. (CLOSED ITEM)

Item 45-7Q - Status of QA NCR On QC Certification.

B. Holsinger asked for the status of the recent NCR's on QC inspector's certification. J. Meisenheimer stated that MPQAD is cognizant of the need for corrective action to assure that in every case the QC inspector is properly certified to the PQCI being utilized. J. Meisenheimer will provide a status next week. (OPEN ITEM)

Item 45-8Q - Discussion on Mechanism of Identifying Quality Concerns.

B. Holsinger stated that in the process of the recent grouting and regrouting of the E/W8 lower leveling plates (see Assessment Team Daily Meeting Notes Items 44-5, 44-25 and 45-1) the QC inspector had identified a potential concern that there were no specific acceptance criteria. As a result, an NCR was written to require an engineering action to resolve the concern. However, it must be realized that there can be very subtle differences between items being nonconforming due to an indeterminate condition and those that are indeterminate quality/engineering requirements. B. Holsinger questioned the use of the NCR's in this case since technically there was no nonconforming item.

B. Holsinger, raised the question of the need for a Quality mechanism other than an NCR to bring such concerns to the attention of Engineering. J. Meisenheimer stated that a QAR was, in fact, such a mechanism. A discussion followed on the lengthy procedural requirements needed to " cycle " a QAR and whether this would render a QAR useless for this type of situation. J. Meisenheimer will take action and provide an update next week. (OPEN ITEM)