

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

FEB 14 1984

Docket Nos.: 50-329 OM, OL

and 50-330 OM, OL

APPLICANT: Consumers Power Company

FACILITY: Midland Plant, Units 1 and 2

SUBJECT: SUMMARY OF OCTOBER 27, 1983 MEETING ON MIDLAND

HEATING, VENTILATION AND AIR CONDITIONING SYSTEMS

On October 27, 1983, NRC staff members from NRR and Region III met with Consumers Power Company, Bechtel and Zack to discuss the design of the Heating, Ventilation and Air Conditioning (HVAC) System for Midland Plant, Units 1 and 2. The purpose of the meeting was to discuss four open items from an NRC design audit held on October 4 - 7, 1983.

Enclosure 1 is a summary of the meeting. Staff conclusions resulting from this audit and the earlier audit of October 4 - 7, 1983 will be provided by a separate report to be issued in early 1984.

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

Enclosure: As stated

cc: See next page

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#### ENCLOSURE 1

### Staff Design Review and Audit of the MidTand HVAC System

On October 27, 1983, the staff from RIII and NRR met with representatives from Consumers Power Company (the applicant) and Bechtel Power Corporation at the Midland Plant site to discuss the design of the Midland HVAC system. A list of meeting attendees is included in Attachment A to this report. The purpose of this meeting was to further discuss four unresolved items from a previous HVAC system design audit held on October 4-7, 1983. The four unresolved items were:

- (1) It was not evident that Bechtel has properly used the design guide for HVAC ductwork to qualify the ductwork when the span between supports exceeded eight feet.
- (2) The seismically supported round HVAC ductwork which are not safetyrelated that are routed vertically along the containment wall appeared to have duct spans exceeding the eigh. Foot criterion.
- (3) The expansion anchor bolts in the HVAC support baseplates appeared to be the most limiting component in the HVAC structural design. Prying action of the baseplate on the bolts had been ignored according to the design guide for HVAC supports.
- (4) The qualification of the HVAC duct flange bolts (3/8" diameter) had not been properly documented for the applicable loadings.

The resolution of these four items are discussed in the following paragraphs:

# 1\ Use of HVAC Design Guide for Ductwork

The design procedure entitled, "Design Guide for Nuclear Power Plant Seismic Category I Rectangular HVAC Ducts (DRAFT)," dated April 15, 1978, states that the minimum yield strength of the HVAC ductwork material (A526 or A527) should be 36 ksi. The design guide provides an empirical formula for the calculation of the required duct sheet thickness, t, in its Equation 7.3. The equation is as follows:

t = 2.5 
$$\left(\frac{E}{fy}\right)^{\frac{1}{2}} \left(\frac{P}{Fa}\right) \cdot \frac{(a)(c)}{(a+c)}$$

where: t = sheet thickness

E = modulus of elasticity

fy = material yield stress

P = design pressure

Fa = allowable stress

a = duct width

c = stiffener spacing

Furthermore, generic design tables provided in the design guide were based on a material yield stress of 36 ksi. The staff's concern from the earlier audit was that for Midland, the design specification (7220-M-151A) for HVAC installation specifies that the HVAC duct material A526 and A527 be provided with a minimum yield stress of 30 ksi. It should be noted that the ASTM material specification for A526 and A527 does not require a minimum yield strength. Thus, the staff had requested that the applicant demonstrate that, for Midland, the empirical formula had been used with a material yield strength of 30 ksi and that the generic design guide tables had not been used for Midland.

The applicant provided the staff with several randomly selected calculations which used the design guide to calculate the HVAC duct stresses. These calculations were selected from the approximately 170 duct spans which exceeded the eight foot criterion and are listed in Attachment B to this report. The staff noted that the spans for rectangular ducts varied between 8.83 feet and 11.08 feet and a calculation for a circular duct qualified a span or 16 feet. All the calculations used a yield stress of 30 ksi for the duct material. Thus, based on our review of the calculations, the staff concluded that the applicant has used the appropriate yield stress (30 ksi) for the duct material which is in accordance with the Midland design specification (M-151A) and that the generic design guide tables were not used. This item is, therefore, resolved.

### 2) Review of Calculation for HVAC Duct Inside Containment

During the previous visit, the staff had noted that two large diameter circular ductwork were routed vertically along the inside of the containment wall (forming an inverted U-shape and criss-crossing at the apex of the containment). The staff expressed concern about the structural integrity of the duct and supports where the eight foot span criterion appeared to have been exceeded. The containment spray lines were routed in front of the ductwork and failure of the ductwork or supports could have impacted the containment spray lines.

The HVAC system noted by the staff is known as the dome air mixing system. The maximum diameter of the circular duct is 28 inches. The duct span between supports is 9' - 6".

After the staff's previous visit, the applicant discovered that they could not find the original support calculations for the HVAC dome air mixing system. The applicant did find a copy of the original calculation which had not been formally issued. However, the calculation was based on old (superseded) seismic building response spectra. As a result, the applicant performed new calculations to supersede the original calculations. The calculations were based on the revised seismic response spectra. The new calculations used an SSE peak acceleration of 5.85 g. The calculation verified that the stresses in the ductwork and supports are acceptable. This item is, therefore, resolved.

### 3) Expansion Anchor Bolts for HVAC Supports

In the procedure, "Design Guide for HVAC Supports (DRAFT)," Calculation No. 3471(Q), it was stated that for expansion anchor bolts, the prying action of the baseplate was to be ignored. This item was identified in an internal audit conducted by the applicant on February 21, 1983 and was considered an unresolved item.

Bechtel explained that the civil/structural criteria of AISC are used for HVAC support design. Expansion anchor bolt capacity is based on manufacturer's data and testing. A safety factor of four or five is added to the bolt allowable to account for slippage. Bechtel does not use ASME Subsection NF for HVAC support design. Many HVAC expansion anchors were installed prior to the issuance of IE Bulletin 79-02. However, IE Bulletin 79-02 addressed only pipe supports (not building steel). Consequently, no redesign of other (non-piping) supports which were designed to building steel criteria was undertaken. The AISC, ACI-318 and ACI-349 criteria do not address prying action of baseplate on bolt loads. However, Bechtel noted that ACI does address prying action of steel-to-steel connections. The steel-to-steel prying action is also addressed in the AISC Code (8th Edition).

Bechtel contacted other engineering offices and found that no one is considering prying action for embedded anchor bolts for non-piping supports. Bechtel further gave the staff a copy of a letter from the AISC which states that the effect of any prying action with a steel-concrete connection would be small (see Attachment C). Bechtel referred to testing performed by TVA on expansion anchor bolts. The testing concluded that the ultimate strength of the anchor is not reduced with the effects of baseplate prying included. Thus, Bechtel concluded that because the concrete is relatively soft compared to steel, the effects of the baseplate prying action will be small. In addition, the slippage of the bolt does not degrade the ultimate anchorage capacity even though preload might be lost.

The staff asked the applicant what type of anchor bolts are used for the Midland plant. Bechtel stated that only Hilti and Redheads are used. For Redheads, only a 7/8" diameter bolt is used because Hilti does not make a 7/8" diameter bolt. All other bolt sizes are supplied by Hilti. Bechtel noted that Hilti has provided an end designator on their bolts. A stamped letter designates the length of the bolt. (e.g. an "O" designation is used for an 8½" long bolt). Consequently, use of incrrect or substitute bolts can be verified. Additionally, if a low-strength bolt were substituted for the high-strength anchor bolt, the torque requirements specified in Specification C-305 (see Attachment D) would assure an initial preload stress in the bolts of approximately 30 ksi. Thus, the allowable design load in the bolt is assured in the preload.

The staff noted that it has not yet determined what the significance of the prying action would be for expansion anchor bolts in baseplates other than piping supports. This item remains unresolved pending further review by the staff of the prying action and the adequacy of the expansion anchor bolts.

### 4) Calculation for Duct Flange Bolts

The 3/8" bolts used in the companion flange connections of the HVAC ductwork were qualified by Bechtel in Calculation No. 34-323(Q) revision O dated October 14, 1983. The calculation concluded that assuming one bolt is effective in each corner of the flange, the bolt has adequate strength to accommodate the applicable loads and load combinations. The staff found the calculation to be based on conservative assumptions and the results appeared to show an adequate design margin. It should be noted that prying action (steel-to-steel) was considered in the calculation per AISC (8th Edition). A summary of the design margin for the maximum bolt loads for several duct sizes are shown in Attachment E.

# 11/27/83

NAME Vincent Privage BUL HEIBERGER FRANK HAND BOD KUCHAREK ARUN AMIN D.T. Scribner P. V. REGUPATHY ROB BURG Grang Tree DAVE PERRY Richard Scallan STEVE SMITH Denvis ENGLAND Frederick J Lounds JOEL ANDERSON F. Hawkins DAVID TEXAD James Balger J. J. Sullivan

COMPANY Legal/Liceusing MPRAD CPCo - Civil MPCAD BECHTEL ALO ENG .. Bechtel BECHTEL AND ENG. BECHTEL LICENSING SOFE Bechtel Civil Resident CPCO ENGINEERING Stone & Webster CIO ZACK CO. C.P.G No. Lic. MPQAD- HVACA BECHTEL PROJ. ENG. NRC NRC / MEB CPG SMO

BPC - HVAC

## ATTACHMENT B

## List of Documents Reviewed at 10/17/83 Meeting

1) Calculations for HVAC duct with span exceeding 8 feet.

Calculation No.	Revision
34-309(Q)	0
34-300(Q)	0 .
34-299(Q)	0
34-293(0)	0
34-292(0)	0
34-256(Q)	0
34-250(Q)	0
34-241(0)	0
34-212(Q)	0

- Calculation for Dome Air Mixing Supports and Ductwork Calc. No. Q21B (5.137)(Q), Revision 1, dated 10/27/83.
- Calculation for Companion Flange Bolt Load Calc. No. 34-323(Q), Revision O, dated 10/14/83

### ATTACHMENT C



# AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC.

The Wrigley Building / 400 North Michigan Avenue / Chicago, Illinois 60611-4185 / 312 • 670-2400

September 22, 1983

Mr. Theodore E. Johnson Bechtel Associates Professional Corporation P. J. Box 1000 Ann Arbor, MI 48106

Dear Mr. Johnson:

I have your letter of July 20, 1983 addressed to Mr. Milek. Mr. Milek has retired from AISC.

You are correct that AISC does not address the possibility of prying action on anchor bolts. The only tests that I am aware of have been with steel-to-steel connections.

It seems to me that any prying action with a steel-concrete connection would be small, if indeed, it exists. The concrete is quite soft compared to steel and would probably yield before significant prying forces developed.

I have never heard of any problem traceable to prying action with anchor bolts.

Sincerely,

Robert O. Disque Assistant Director

Technical Publications

ROD/jf

SEP 1 1 1983

129	(1450)	CT 147 24"
Jonneen, T.E.	10:	1/2
Santiner, O.	. !	713
Charg. H.		- 1
Chien, J.		
Corum. L.	1 1	1
Sigaati. M.		11
-cn 15n, W.		11
Mintus, G.	1	11
Nowak, W.	1 1	
Rotz, J.	1 1	11
Shunmugavel, 9		
Tuveson, G.	1	
Varga, J.		
		1
Patti		

WEDGE AND STUD TYPE ANCHORS . IN REINFORCED CONCRETE ..

Auchor Diameter	Torque at installation Threads Not insticated(1)	Test Torques (After Installation) ((t-lb)	Minimum Embadment Before Torquing (in.)	Minimum Embedment After Torquing (in.)	Minimum C/C* Spacing 	Minimum Edge Distanca (in.)	Clear Distance from the Edge of Embedment (10.)
1/4	5 - 10	5	1-1/8	1-3/8	1	1-1/2	::
3/8	25 - 35 35 - 55	20 30	2-1/4	2 2-1/2	5	1-1/2	::
5/8	130 - 160 130 - 160	80	3-1/4	3-3/4 2-7/8	7-1/2	3-1/2	::
3/4	240 - 270 240 - 270	135 135	1	3-5/8	7-1/2	:	::
3/4	240 - 270 275 - 375	135	5-1/2	3-1/2	,	5	::
7/0	275 - 325 425 - 475 425 - 475	165 240 240	4-1/2	5-1/2	10	:	::

"See Table 4.3 for blockwalls

\*\*See Table 4.2

\*\*\*Retroactive from April 23, 1976

### NOTES:

- 1) These values give a torque range which was determined by testing anchors for the different concrete strengths used on the job (for 1/2", 5/8", 3/4", and 1" expension anchors only).
- 3) The minimum spacing and minimum edge distance may be reduced up to 50% with prior approval of project engineering.
- 4) For a given diameter, use longer minimum embedment length for installation, unless noted otherwise on the design documents or as approved by project engineering. Embedments show in the design drawings are embedments before torquing.
- \*\*\* Minimum embedments after torquing can be obtained by subtracting displacement length (in.) from the embedment lengths shown on the design drawing:

Bolt Diameter (in.)	1/4	3/8	1/2	5/6	3/4	7/8	1
Displacement Length (in.)	0.125	0.25	0.25	0.25	0.375	0.50	0.50
Displacement Length (in.)	0.115						

5) When an installed expansion anchor has been loosened and then retightened, the torque at installation shall apply for retightening the anchor, and embedment length after torquing shall be verified.

01610

Minimum

# ATTACHMENT E

1 32

			FORCES IN BOLT				
DUCTSIZE	SHEET	PRESSURE IN W.G.	MAY TENSION IN BOLT OF COMPANION FLANGE	ALLOWABLE TENSION	Allowa-le Load		
60" x 26"	16 GAGE	13" -	120016	2340 lb	0.51		
60" x 60"	14 GAGE	13"	1900 16	2340 lb	0.81		
30" x 30"	18 GAGE	ig.	586 lb.	2340 lb	0.25		
€0" × 60"	IG GAGE	4"	840 16.	2340 lb.	0.36		

PAGE 1

REGION 111 TRACKING SYSTEM

MIDLAND - ALLEGATIONS, INDIVIDUALS C. F. H. M. N. O. R. X. Y. Z. AND CC. ONE COPY FOR P. SPESSARD UPDATED 2/26/84

COMPLETE LISTING

	1TEM					RESOLUTION			
ITEM NO./ HESPONSE DUE	INSPECTOR/	ITEM TYPE/ BHIEF DESCRIPTION	FACILITY NAME	LICENSEE DESIGNATED NO.	INTERIM *NSPECTION	INSPECTOR ASSIGNED	CLOSEOUT REPORT NO		
329/82#03-01	INDIVIDUAL C	ALLEGATION	MIDLAND 1			HAWKINS	83-08		
		I SAW HEAVY DRINKING AN LAYDOWN AREA. ROUTINELY AT LUNCH AND GET BEER. THIS ITEM CLOSED BASED OF INDIVIDUAL C (PAGES SENT TO 01 ON AUGUST 31 THE INDIVIDUAL WAS UNAU CONCERN IMPACTED SAFETY	Y WORKERS GO DOWN TO ON AT LUNCH SOME WORKERS ON AUGUST 4. 1983 SWOR 7-8). INDIVIDUAL C'S S 0.1983. BLE TO PROVIDE DETAILS	ENS PARTY STORE ALSO SMOKED GRASS IN STATEMENT WORN STATEMENT OF HOW THE					
329/82#03-02	INDIVIDUAL C	ALLEGATION	MIDLAND 1			HANKINS	83-08		
		PIPEFITTERS HAD BELTBUG PIPE AND WELDING RODS. A WORKER FROM THE AUXIL COULD GET ALMOST ANYTH PEOPLE. THIS ITEM CLOS OF INDIVIDUAL C (PAGE THE INDIVIDUAL WAS UNAI CONCERN IMPACTED SAFETY	SOME WERE MANUFACTURED LIARY BUILDING MADE BAR ING YOU WANTED IF YOU K SED BASED ON AUGUST 4.1 101. PLE TO PROVIDE DETAILS	IN THE COMBO SHOT BECUE SKEWERS. YOU NEW THE RIGHT 983 SWORN STATEMEN OF HOW THE	U				

THERE WAS A LOT OF GOOFING OFF BY WORKERS AT THE PLANT. WORKERS WERE SLEEPING ON THE JOB. I HEARD RUMORS THAT SOME WORKERS WOULD WALK AROUND WITH THE SAME PLANK ALL DAY LONG IN ORDER TO LOOK BUSY. THIS ITEM CLOSED BASED ON AUGUST 4,1983 SMORN STATEMENT OF INDIVIDUAL C (PAGE 11). THE INDIVIDUAL WAS UNABLE TO PROVIDE DETAILS OF HOW THE CONCERN IMPACTED SAFETY RELATED CONSTRUCTION ACTIVITIES.

HIDLAND 1

329/82#03-03 INDIVIDUAL C ALLEG\* 10.

Chilly des

HAWKINS

83-08

PAGE 2
MIDLAND - ALLEGATIONS, INDIVIDUALS C. F. H. M. N. O. H. X. Y. Z. AND CC. ONE COPY FOR R. SPESSARD
COMPLETE LISTING

UPDATED 2/28/84

	ITEM					RESOLUTION			
ITEM NO./ RESPONSE DUC	INSPECTOR/ MODULE NO.	ITEM TYPE/ BRIEF DESCRIPTION	FACILITY NAME	LICENSEE DESIGNATED NO.	INTERIM INSPECTION	INSPECTOR ASSIGNED	CLOSEOUT REPORT NO		
329/82#03-04	INDIVIDUAL C	CONDITION. MOST OF THE CONTROLLING DRAWINGS W REVISIONS WERE NOT PROSTATEMENT OF INDIVIDUAL III OF REPORT 83-08. THIS ALLEGATION WAS CA	TEGORIZED AS AN UNDEFIN	PROCEDURES FOR INGS AND DRAWING I TO SWORN ECTIONS II AND MED CONCERN		HAWKINS	83-08		
329/82#03-05	INDIVIDUAL C	THE CHANGES HAD BEEN A DESIGN CHANGES. REFER (PAGES 29-33). THIS ALLEGATION WAS CA	MIDLAND 1  NSTRUCTION MODIFICATION PPROVED. THIS OFTEN INV TO SWORN STATEMENT OF  TEGORIZED AS AN UNDEFINITY) AND WAS ADDRESSED T 83-08.	OLVED HANGER INDIVIDUAL C MED CONCERN		HAWKINS	83-08		
329/82#03-06	INDIVIDUAL C	ALLEGATION	MIDLAND 1			HAWKINS	83-08		

PROBLEM WAS IDENTIFIED IN 1979 CONCERNING MATERIAL TRACEABILITY.

I WAS REVIEWING A BLUEPRINT AND SAW THAT A DUCT REQUIRED A
PITTSBURGM SEAM, NEITHER THE ZACK PROJECT MANAGER NOR THE FOREMAN
KNEW WHAT A PITTSBURGH SEAM WAS. IT WASN'T BEING USED. THE
FOREMAN AND THE PROJECT MANAGER TOLD ME TO DROP THE SUBJECT
BECAUSE THEY WOULD TAKE CARE OF IT. IT DON'T KNOW IF THEY EVER
DID. THIS ITEM CLOSED GASED ON AUGUST 4.1983 SWORN STATEMENT
OF INDIVIDUAL C (PAGES 33-37). PITTSBURG SEAM WAS NOT USED
IN SAFETY RELATED APPLICATIONS.

But de

	ITEM					RESOLUTION	
ITEM NO./ RESPONSE DUE	INSPECTOR/	ITEM TYPE/ BRIEF DESCRIPTION	FACILITY NAME	LICENSEE DESIGNATED NO.	INTERIM INSPECTION	INSPECTOR ASSIGNED	CLOSEOUT REPORT NO.
329/82#03-07	INDIVIDUAL C	ALLEGATION	MIDLAND 1			HANKINS	83-08
		HVAC UNITS TO VERIFY TO COVERED AND CLEAN AS REMAINTENANCE SUPERVISOR THIS ITEM CLOSED BASED INDIVIDUAL C (PAGES 37 THIS ALLEGATION WAS CA	TEGORIZED AS AN UNDEFIN	ALLED WERE KEPT OF COPIED THE FORMING INSPECTION OF STATEMENT OF			
329/82#03-08	INDIVIDUAL C	ALLEGATION	MIDLAND 1			HAWKINS	83-08
		WAS DEVELOPED TO COVER QUALIFICATION REQUIRME PUT HOLDS ON ALL WORK PROCEDURE AND HAD THE CLOSED BASED ON AUGUST	OING ARC-BRAZING WELDS BRAZING REQUIREMENTS OF MISSING BRAZING, OC DID ALREADY DONE. FINALLY 2 WELDERS TESTED A QUAL 4.1983 SWORN STATEMENT BT 83-08 SECTIONS I AND	H UFLDER  STOP THE WORK AN ACK CAME UP WITH IFIED. THIS ITEM OF INDIVIDUAL C	D		
329/82#03-09	INDIVIDUAL C	ALLEGATION	MIDLAND 1			HAWKINS	83-08

THERE WERE MANY BAD WELDS IN THE CONTROL ROOM CLASS I HVAC DUCTWORK WITH DEFECTS SUCH AS BLOW HOLES AND EXCESSIVE POROSITY. SOME WELDS WERE BARELY ACCESSIBLE. IF AT ALL. I DON'T KNOW IF. OR HOW. THEY WERE ALL RECHECKED. QC INSPECTORS FOUND FIVE OR SIX BAD WELDS ON ONE PIECE OF DUCTWORK. THE FOREMAN DIDN'T WANT TO CUT THE PART OUT AND REPLACE IT BECAUSE THAT WOULD BE TOO MUCH WORK. I DON'T KNOW IF THE PIECE WAS EVER REPAIRED OR REPLACED. REFER TO SWORN STATEMENT OF INDIVIDUAL C (PAGES 55-62) AND REPORT 83-08 SECTIONS I AND II.

THIS ALLEGATION WAS CATEGORIZED AS AN UNDEFINED CONCERN (I.E. LACK OF SPECIFICITY) AND WAS ADDRESSED UNDER THE FIVE PHASE PROGRAM IN REPORT 83-08.

Shirly when

REGION III TRACKING SYSTEM PAGE MIDLAND - ALLEGATIONS, INDIVIDUALS C. F. H. M. N. O. R. X. Y. Z. AND CC. DNE COPY FOR R. SPESSARD UPDATED 2/28/84 COMPLETE LISTING

RESOLUTION ITEM CLOSEOUT LICENSEE INTERIM INSPECTOR FACILITY NAME ITEM TYPE! ITEM NO./ INSPECTOR/ DESIGNATED NO. INSPECTION ASSIGNED REPORT NO. BRIEF DESCRIPTION RESPONSE DUE MODULE NO. HAWKINS 83-08 MIDLAND 1 ALLEGATION INDIVIDUAL C 329/64#03-10 IN THE EARLY SUMMER OF 1979 THERE WAS NO CONTROL OVER THE USE OF WELD RODS. WORKERS JUST GRABBED AS MANY RODS AS THEY WANTED BY THE HANDFUL AND DROPPED THEM OFF LATER. THERE WERE NO SIGN-INS OR SIGN-OUTS. INSPECTORS WOULD FIND THE RODS LYING IN THE FIELD ALONG WITH THE ROD STUBS AND HALF USED PIECES. THE WELD ROD CONTROL PROCEDURE WAS SUBSEQUENTLY REVISED AND ENFORCED. REFER TO SHORN STATEMENT OF INDIVIOUAL C (PAGES 62-66) AND REPORT 83-08 SECTIONS II. III. AND V. THIS ALLEGATION WAS CATEGORIZED AS AN UNDEFINED CONCERN (1.E. LACK OF SPECIFICITY) AND WAS ADDRESSED UNDER THE FIVE PHASE PROGRAM IN REPORT 83-08. 83-08 HAWKINS MIDLANG 1 INDIVIDUAL C ALLEGATION 329/82#03-11 IN SOME CASES THE QC INSPECTORS SAID THERE WAS NO DOCUMENTATION THAT THE ANCHOR BOLTS FOR THE HVAC SYSTEM WERE EITHER TORQUED AT ALL OR TORQUED WITH A CALIBRATION TORQUE WRENCH. SOME OF THE BOLTS IN QUESTION WERE NO LONGER ACCESSIBLE. QC WENT BACK AND TORQUED AND DOCUMENTED AS MANY AS THEY COULD REACH BUT I DON'T KNOW WHAT HAPPENED TO THE REST. REFER TO SWORN STATEMENT OF INDIVIDUAL C (PAGES 66-74) AND REPORT 83-0H SECTIONS I & II. HAWKINS 83-08

> A UC MANUAL WAS SO VAGUE IT WAS USELESS. THE MANUAL WAS REVISED IN OCTOBER 1979. I DO NOT KNOW IF THE PREVIOUS INSPECTION PEPORTS DONE UNDER UNRELIABLE QC INSPECTION STANDARDS WERE RECHECKED TO SEE IF THE EARLIER TESTS HAD MISSED PROBLEMS. REFER TO SWORN STATEMENT OF INDIVIDUAL C (PAGES 74-77) AND REPORT 83-08 SECTIONS II. III AND V. THIS ALLEGATION WAS CATEGORIZED AS AN UNDEFINED CONCERN (I.E. LACK OF SPECIFICITY) AND WAS ADDRESSED UNDER THE FIVE PHASE PROGRAM IN REPORT 83-08.

MIDLAND 1

INDIVIDUAL C

329/82#03-12

ALLEGATION

PAGE 5
HEGION III TRACKING SYSTEM
HIDLAND - ALLEGATIONS. INDIVIDUALS C. F. H. M. N. O. R. X. Y. Z. AND CC. ONE COPY FOR R. SPESSARD
COMPLETE LISTING

UPDATED 2/28/84

	ITEM					RESOLUTION	
ITEN NO./ RESPONSE DUE	INSPECTOR/	ITEM TYPE/ BRIEF DESCRIPTION	FACILITY NAME	LICENSEE DESIGNATED NO.	INTERIM INSPECTION	INSPECTOR ASSIGNED	CLOSEOUT REPORT NO.
329/62#03-13	INDIVIDUAL C	ALLEGATION  I WAS INFORMED THAT THE INSPECTORS WERE QUALIFIED SKILLS. I UNDERSTAND THE BUT AGAIN. UNQUALIFIED FOF A LONG TIME. REFER (PAGES 77-84) AND REPORT THIS ALLEGATION WAS CATULE. LACK OF SPECIFICIPHASE PROGRAM IN REPORT	ED WERE NOT GOOD ENOUGH AT THE REQUIREMENTS HA INSPECTORS MAY HAVE MAY TO SWORN STATEMENT OF TO BOOK SECTIONS II. I EGORIZED AS AN UNDEFINE TY) AND WAS ADDRESSED	SH TO COVER THE KEY AVE BEEN REVISED. ISSED QUALITY FLAW! INDIVIDUAL C III. AND V. NED CONCERN		HAWKINS	83-08
329/82#03-14	INDIVIDUAL C	ALLEGATION  DUE TO SCHEDULING PRESS INSTALLED IN THE PLANT. PRESIDENT SAW THE DUCTW TO SOWRN STATEMENT OF I REPORT 83-08, SECTIONS THIS ALLEGATION WAS CAT (1.E. LACK OF SPECIFICI PHASE PROGRAM IN REPORT	THE ZACK CHICAGO QA PORK AND LET IT GO TO TO NOIVIDUAL C (PAGES 64-1-11-11-11-11-1-1-1-1-1-1-1-1-1-1-1-1	MANAGEN 'ND VICE THE FIELD. REFER -94) AND WED CONCERN		HAWKINS	83-08
329/82#03-15	INDIVIDUAL C	ALLEGATION	MIDLAND 1			HAWKINS	83-08

THERE IS STRONG RESENTMENT AGAINST BECHTEL AND ZACK QC AT MIDLAND. INSPECTORS ARE REFERRED TO AS TROUBLEMAKERS OR AS A JOKE. QC SUPERVISOR FONCEO OUT AFTER TRYING TO MAKE QC STRONGER. REFER TO SWORN STATEMENT OF INDIVIDUAL C (PAGES 94-97). THIS ALLEGATION WAS CATEGORIZED AS AN UNDEFINED CONCERN (I.E. LACK OF SPECIFICITY) AND WAS ADDRESSED UNDER THE FIVE PHASE PROGRAM IN REPORT 83-08.

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HEGION III THACKING SYSTEM

HIDLAND - ALLEGATIONS, INDIVIDUALS C. F. H. M. N. O. N. X. Y. Z. AND CC. ONE COPY FOR R. SPESSARD UPDATED 2/28/84

COMPLETE LISTING

	ITEM					RESOLUTION	
ITEM NO./ RESPONSE DUE	INSPECTOR/	ITEM TYPE/ BRIEF DESCRIPTION	FACILITY NAME	LICENSEE DESIGNATED NO.	INTERIM INSPECTION	INSPECTOR ASSIGNED	CLOSEOUT REPORT NO
129/82#06-01	INDIVIDUAL F	ALLEGATION	MIDLAND 1			HAWKINS	63-08
		ON ZACK) THE LIST OF D ACTIVITIES FAILED TO I D-19 CODES REFERENCING BELIEVES THAT THIS SHO CODES PROVIDE THE GALV SHOULD HAVE BEEN ENFOR INTRODUCTION SECTION A WITH THE RESULTS OF 80 CONCERNS ARE DOCUMENTE	THE INVESTIGATION (NRC OCUMENTS APPLICABLE TO NCLUDE THE AMERICAN WEL THE WELDING OF GALVANI ULD HAVE BEEN CHECKED B ANIZED STEEL WELDING RE CED. CLOSED IN REPORT B ND SECTION 1) IND. F. W -10: 80-11. CLOSEOUT AN D IN REPORTS 80-21.80-2 C-27: AND 82-15. 82-15. OIA ON AUGUST 9.1983.	THE 'VAC DING SOCIETY (AWS) ZED STEEL. HE ECAUSE THE AWS QUIREMENTS THAT 3-08 (REFERENCE AS NOT SATISFIED D PESOLUTION OF 2: 80-22, 80-231			
329/82#06-02	INDIVIDUAL F	ALLEGATION	MIDLAND 1			HAWKINS	83-08
		THE DISCUSSION OF ALLE ABOUT THE TRAVELERS FR WHETHER OR NOT THEY WE PARTS WERE NOT ACTUALL	IS SOMETHING SIGNIFICA GATION ONE (NRC INSPECT OM CHICAGO NOT BEING AN RE SCRAP. HE DISCOVERED Y DISCARDED. HE BELIEVE ERE BEING USED TO BUILD 06-01.	ION REPORT ON ZACH NOTATED TO SHOW THAT ALL SCRAPPE S THAT MEANT THAT			
29/82#06-03	INDIVIDUAL F	ALLEGATION	MIDLAND 1			HAWKINS	63-08

IN THE FINDING OF ALLEGATION ONE HE WAS SIGNIFICANT DISCHEPANCIES WITH THE INVESTIGATORS. TO THE BEST OF MIS KNOWLEDGE THE INITIALING OF THE LEFT-SIDE OF THE TRAVELER WAS NEVER A PART OF THE QC PROCEDURE UNTIL AFTER HE INITIATED THE ORIGINAL ALLEGATIONS. HE BELIEVES THE POST-INITIALING OF THE TRAVELERS DOES NOT CONSTITUTE A CONFIRMATION OF CURRENT ACCURACY IN THE TRAVELERS. RESOLUTION SAME AS 82006-01.

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REGION III TRACKING SYSTEM PAGE 7 MIDLAND - ALLEGATIONS. INDIVIDUALS C. F. H. M. N. D. R. X. Y. Z. AND CC. ONE COPY FOR R. SPESSARD UPDATED 2/28/84 COMPLETE LISTING

	ITEM					RESOLUTION	
ITEM NO./ RESPONSE DUE	INSPECTOR/	ITEM TYPE/ BRIEF DESCRIFTION	FACILITY NAME	LICENSEE DESIGNATED NO.	INTERIM INSPECTION	INSPECTOR ASSIGNED	CLOSEOUT REPORT NO
329/82#06-04	INDIVIDUAL F	ALLEGATION	MIDLAND 1			HAWKINS	83-08
		CHICAGO PAINTED WELDS AND THAT THE PAINT OR DETERMINING THE SITE OF PIECES. HE BELIEVES TH	MERE COMPLETELY COVERED LACK OF IT WAS A RELIASOF FABRICATION AND QUESTIES MEANS THAT ZACK WAS OUT TRACEABILITY OR QC 16-01.	WITH THICK PAINT BLE FACTOR IN IONABLE DUCT ABLE TO MAKE PIEC			
329/82#06-05	INDIVIDUAL F	NRC INSPECTION REPORT TRAVELER NUMBER VO3-42 TO UNDERSTAND WHY THE	MIDLAND 1 HER SPECIFIC EXAMPLE OF ON ZACK IS THE LACK OF PF-10171. HE CONTENDS THE WOULD ACCEPT THE WOLD COMENT PROVIDED OF THE	FINDING FOR THAT IT IS DIFFICU ORD OF ZACK OVER		HAWKINS	83-08
		WHETHER THE ITEM VO3-S	H2-2-F9437 WAS ACTUALLY AT WAS SCRAPPED. RESOLU	PHYSICALLY			
329/82#06-06	INDIVIDUAL F	ALLEGATION	MIDLAND 1			HAWKINS	83-08

CONCERNING THE FINDING ON ALLEGATION NUMBER 4 PERTAINING TO TRAVELER NUMBER V27-SH3A-29-F4410 (NRC INSPECTON REPORT ON ZACK) HE CONTENDS THAT IN THE LIGHT OF ZACK'S RAMPANT MISLEADING STATEMENTS TO THE NRC AND CONSUMERS POWER CO.. IT IS CURIOUS TO NOTE THAT NO FURTHER VERIFICATION WAS MADE. OTHER THAN A PAPERMORK REVIEW. TO INSURE THAT THE ITEM WAS IN FACT RETURNED. HE KNOWS PERSONALLY THAT THE ITEM WAS NOT RETURNED. RESOLUTION SAME AS 82#06-01.

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MIDLAND - ALLEGATIONS: INDIVIDUALS C. F. H. M. N. O. R. X. Y. Z. AND CC. ONE COPY FOR R. SPESSARD UPDATED 2/28/84

	ITEM					RESOLUTION	
TEM NO./	INSPECTOR/	ITEM TYPE/ BRIEF DESCRIPTION	FACILITY NAME	LICENSEE DESIGNATED NO.	INTERIM INSPECTION	INSPECTOR ASSIGNED	CLOSEOUT REPORT NO
29/82#06-07	INDIVIDUAL F	ALLEGATION	MIDLAND 1			HAWKINS	83-08
		MCAR MD-1 (NRC INSPECT LETTER SENT TO ZACK FR THEM ON A CLEAN BILL O	IG THAT CONSUMERS POWER GNORE THE UNRESOLVED IT ION REPORT ON ZACK). HE ROM CPCO IN MID-FEBRUAR OF HEALTH AND AUTHORIZI OWN REPAIR PROGRAM. HE WELDS WERE REINSPECTED	E BELIEVES THAT A Y CONGRATULATING NG ZACK TO CONTINU REMAINS UNCONVINC	E ED		
29/82#06-08	INDIVIDUAL F	ALLEGATION	HIDLAND 1			HAWKINS	83-08
24/82400-40		THE DEEPER PROBLEM EV THE NRC INSPECTION REI ZACK OPERATED UNDER TI TIGHTNESS WOULD PRECL	B-SH2B-46.1-P1515 ME DO IDENT FROM THE NRC FINO PORT ON ZACK. HE SAYS THE ASSUMPTION THAT FIEL UDE VISUAL INSPECTION. E CODES AND IT IS IMPOS INSTALLATION. RESOLUTI	HAT IT APPEARS THA D TESTING FOR GAS HE SAYS THIS IS NO SIBLE TO PERFORM			
329/82#06-09	INDIVIDUAL F	ALLEGATION	MIDLAND 1			HAWKINS	83-08
		HE HAS A SIGNIFICANT IN NRC INSPECTION REP TO HAVE THE IDENTICAL AS FOR THE ORIGINATIO ACCORDING TO PROCEDURE	DISCREPANCY WITH ITEM SONT ON ZACK. IT IS PRACE SAME MATERIAL AVAILABLE OF THE ITEM. EVEN IF E A DIFFERENCE WOULD COMMITTEE AND THE SAFTER CERTAIN PHASES 1006-01	E FOR ONSITE REPA REPAIRS WERE EXAC DME WITH INDIVIOUA ILITY AND REQUIREM	IR TLY L ENT		
329/82#06-10	INDIVIDUAL F	ALLEGATION	HIDLAND 1			HAWKINS	83-08

HE SAYS THAT IN ITS CONCLUSION OF FINDING FOR ALLEGATION 10 THE NRC BLATENTLY DISREGARDS THE REQUIREMENTS FOR MATERIAL TRACEABILITY AND DOCUMENTATION. (NRC INSPECTION REPORT ON ZACK). RESOLUTION SAME AS 82#06-01.

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REGION III TRACKING SYSTEM PAGE 9 MIDLAND - ALLEGATIONS. INDIVIDUALS C. F. H. M. N. O. R. X. Y. Z. AND CC. ONE COPY FOR R. SPESSARD UPDATED 2/28/84 COMPLETE LISTING

	ITEH				RESOLUTION	
ITEM NO./ RESPONSE DUE	INSPECTOR/ MODULE NO.	ITEM TYPE/ BRIEF DESCRIPTION	FACILITY NAME	LICENSEE INTERIO		CLOSEOUT REPORT NO.
329/82#06-11	INDIVIDUAL F	ALLEGATION	MIDLAND 1		HANKINS	83-08
		HE SAYS THAT THE NRC WAS 10) FOR WHICH CPCO PARTICLE AVAILABLE FOR CARBON DIOXIDE WAS ALWESTED AS 82006-01.	ID 3500 DOLLARS FOR NOT USE AS A SHIELDED GAS.	HE BELIEVES THAT		
329/82#06-12	INDIVIDUAL F	ALLEGATION	MIDLAND 1		HAWKINS	83-08
		REGARDING ALLEGATION 1: COMPLETELY FAILS TO AD ARE NOT DOCUMENTED WITH THAT A NONCONFORMANCE SUBSTITUTES THE REQUIRE COMPONENT'S DOCUMENT.	DRESS THE FACT THAT ALL H RESPECT TO INDIVIDUAL REPORT OR HOLD REPORT I EMENT FOR NOTATION OF R	. ASPECTS OF REPAIR . TRAVELERS. HE SAYS IN NO WAY REPAIRS ON EACH		
329/82#06-13	INDIVIDUAL F	ALLEGATION	MIDLAND 1		HAWKINS	63-08
		REGARDING ALLEGATION 1: THE WELDING ROD ISSUE THE ROOM WAS NOT LOCKE! WORKED THERE, WELDING! INVESTIGATE HIS ALLEGA BETWEEN THE NRC'S OWN! HIS PERSONAL OBSERVATION RESOLUTION SAME AS 8286	ROOM (NRC REPORT ON ZAG D DURING THE MAJORITY O RODS WERE TAGGED ONLY A TIONS. HE SEES OBVIOUS FINDING ABOUT THE WELD! DNS. AND WITH LATER NRC	CK). HE SAYS THAT  OF THE TIME HE  OFFICE NRC CAME TO  CONTRADICTIONS  OFFICE ROD SITUATION.		
329/82#06-14	INDIVIDUAL F	ALLEGATION	HIDLAND 1		HAWKINS	83-08

HE SAYS THAT THE NRC REPORT FAILED TO MENTION RON COOK+S STATEMENT TO ME THAT APPROXIMATELY 10.000 POUNDS OF NONCONFORMING 70-18 ROD HAD BEEN RECEIVED AND THAT THE ONLY EXPLANATION OFFERED BY ZACK WAS THAT THE HOD HAD ALL BEEN THROWN AWAY. HE DOES NOT CONSIDER THIS AN ACCEPTABLE RESPONSE TO ALLEGATION 15. RESOLUTION SAME AS 82#06-01.

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REGION III TRACKING SYSTEM PAGE 10 MIDLAND - ALLEGATIONS. INDIVIDUALS C. F. H. M. N. D. R. X. Y. Z. AND CC. ONE COPY FOR R. SPESSARD UPDATED 2/28/84 COMPLETE LISTING

	ITEM				i File	RESOLUTION	
ITEM NO./ RESPONSE DUE	INSPECTOR/ MODULE NO.	ITEM TYPE/ BRIEF DESCRIPTION	FACILITY NAME	LICENSEE DESIGNATED NO.	INTERIM INSPECTION	INSPECTOR ASSIGNED	CLOSEOUT REPORT NO.
329/82#06-15	INDIVIDUAL F	ALLEGATION	MIDLAND 1			HAWKINS	83-08
		DAMPERS (ALLEGATION 1	IN THE PROBLEM SURROUND  6) FAILED TO REALIZE TO  BERS ARE NON-EXISTENT OF  AME AS 82#06-01.	A REQUIRED			
329/82#06-16	INDIVIDUAL F	ALLEGATION	MIDLAND 1			HAWKINS	63-08
		(NRC REPORT ON ZACK) CHECK WAS MADE TO ASS REPLACED ASIDE FROM A BELIEVES A SIMPLE REV CONCERNED ABOUT MATER	ION 20 HE FOUND MOTHING FOR THIS ALLEGATION TO DURE INACCURATE TRAVELERS SKING THREE MENTIONED IN IEW WOULD REVEAL THE CONTAIL TRACEABILITY OF NEW RESOLUTION SAME AS 820	INDICATE THAT A WERE NOT BEING SPECTORS. HE STRARY. HE IS ALSO MATERIAL AND			
329/82#06-17	INDIVIDUAL F	ALLEGATION	MIDLAND 1			HAWKINS	83-08-
		CALIBRATION STICKERS. ON ZACK) DID NOT REVE CALIBRATION ANY OF TH	21, CONCERNING PORTABLE ME BELIEVES THAT THE FOR AL THE FACT THAT THE EQU E CARRIERS WAS INSUFFICE S TO THUS BE OUT OF CAL ### 106-01.	INDING (NRC REPORT JIPMENT FOR LENT. HE CONSIDERS			
329/82#06-18	INDIVIDUAL F	ALLEGATION	MIDLAND 1			HAWKINS	83-08
		THE ANGLE IRON DIMENS	REPORT ON ZACK DOES NOT ICN DISCREPANCIES FOR PA ED. RESOLUTION SAME AS	RT NUMBER F-916.			
329/82#06-19	INDIVIDUAL F	ALLEGATION	MIDLAND 1			HAWKINS	83-08

HE SAYS THAT IN REGARDS TO ALLEGATION IN THE NRC OVERLOOKED THE FACT THAT A COPY OF THE AUDIT TO BE PERFORMED WAS SENT TO MIDLAND SEVERAL DAYS BEFORE THE ACTUAL AUDIT TOOK PLACE. INRC REPORT ON ZACK). RESOLUTION SAME AS 82#06-01.

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REGION III TRACKING SYSTEM

MIDLAND - ALLEGATIONS. INDIVIDUALS C. F. H. M. N. O. R. X. Y. Z. AND CC. ONE COPY FOR R. SPESSARD UPDATED 2/28/84

COMPLETE LISTING

	COMPLETE						
	ITEM					RESOLUTION	
ITEM NO./ RESPONSE DUE	INSPECTOR/	ITEM TYPE/ BRIEF DESCRIPTION	FACILITY NAME	LICENSEE DESIGNATED NO.	INTERIM INSPECTION	INSPECTOR ASSIGNED	CLOSEOUT REPORT NO.
329/82#08-01	INDIVIDUAL H	ALLEGATION	HIDLAND 1			HAWKINS	83-08
		CONSUMERS POWER (BECHTE BY LETTER DATED AUGUST REF: CORRECTIVE ACTION REPORT 83-08 SECTION I INDIVIDUAL H'S AFFIDAVI ON AUG. 9/31 AND AUG. 3	28. 1981 (7220-M-151). N REQUEST (CAR) 014. (E FOR RESOLUTION (50.55)	CALKINS TO DAVIS. XHIBIT 2). SEE E) VIOLATION).			
329/82#0:-02	INDIVIDUAL H	ALLEGATION	MIDLAND 1			RIV	82-02
		MIDLAND GA CONTRACT EMPTRAINING FORM. PERSONNE (EXHIBIT 5) (CHECK APPLPERSONNEL). (EXHIBIT 5) ALLEGATIONS 2 AND 4 FOR REPORT 63-08 PROVIDES A COMPONENTS ARE ADEQUATE MATERIALS AND THE GA PROVIDES AND THE GAS AN	L CLAIMED THEY RECEIVE ICABILITY OF THIS TO 2 . SEE REPORT C99900785 RESOLUTION. ASSURANCE THAT HVAC SYS ELY DESIGNED AND CONSTR	D NO TRAINING. ACK SITE /82-02 (RIV) TEMS AND UCTED: THAT			
329/82#08-93	INDIVIDUAL H	ALLEGATION	MIDLAND 1			HAWKINS	63-08
		CATEGORIZATION OF MAJOR 10-02-81 TO BECHTEL (72 (EXHIBIT 6.A) AND (EXHI	20-H-151-C/8-548) ON 1	0-09-81			
329/82#08-04	INDIVIDUAL H	ALLEGATION	MIDLAND 1			HAWKINS	83-98
		THIRD INTERIM REPORT ON BECHTEL 10-23-81 (7220- 12. AND 15. RESOLUTION	M-151-C/B-552) . (EXHIB	The state of the s	•		
329/82#08-05	INDIVIDUAL H	ALLEGATION	MIDLAND 1			HAWKINS	83-08
		DUESTIONABLE BECUTEL EN	GINEEDING ANALYSIS OF	PACK DISCOSDANCISS			

QUESTIONABLE BECHTEL ENGINEERING ANALYSIS OF ZACK DISCREPANCIES. LETTER DAVIS TO GREUNE. 12-21-81. (EXHIBIT 11). RESOLUTION SAME AS 82\*08-01.

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82-02

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REGION 111 TRACKING SYSTEM

MIDLAND - ALLEGATIONS. INDIVIDUALS C. F. H. M. N. O. R. X. Y. Z. AND CC. ONE COPY FOR R. SPESSARD UPDATED 2/28/84

COMPLETE LISTING

	ITEM					RESOLUTION	
ITEM NO./ RESPONSE DUE	INSPECTOR/	ITEM TYPE/ BRIEF DESCRIPTION	FACILITY NAME	LICENSEE DESIGNATED NO.	INTERIM INSPECTION	INSPECTOR ASSIGNED	CLOSEOUT REPORT NO
329/82#08-06	INDIVIDUAL H		MIDLAND 1  CALKINS HAD CALLED H. RESOLUTION SAME AS 82#0			HAWKINS	83-08
329/82#08-07	INDIVIDUAL H	SITE IN NONCONFORMING	MIDLAND 1  OF ZACK MATERIAL BEING CONDITION. LETTER DAVIS RESOLUTION SAME AS 824	TO EICHSTAEDT,		HAWKINS	83-08
329/82#08-07	INDIVIOUAL H	FALSIFICATION. ONE COP REQUEST FOR U.S. STEEL BEFORE 01-23-81. (EXMI C99900785/82-02 (RIV) RESOLUTION. ALSO 01 R REPORT 83-08 PROVIDES COMPONENTS ARE ADEQUAT	MIDLAND 1  TEST REPORTS, ONE COPY Y AFTER, STICKERS WERE TO UPGRADE TEST REPORT BIT 17! (EXHIBIT 16). S ALLEGATIONS 8,9, AND 10 EPORT 3-83-025. ASSURANCE THAT HVAC SYS ELY DESIGNED AND CONSTR ROGRAM UTILIZED WERE AD	DATED 11-06-80 BUT S NOT MADE SEE REPORT FOR STEMS AND SUCTEDS THAT		RIV	82-02

U. S. STEEL LETTER PETERS TO MAGEN. 09-21-81. IDENTIFYING 26 PO'S THAT WERE NOT ORIGINALLY ORDERED "SAFETY-RELATED". (EXHIBIT 20). SEE REPORT C99900785/82-02 (RIV) ALLEGATION 11 AND RIII REPORT 83-08 SECTIONS IV AND V FOR RESOLUTION. NRC MATERIAL TESTING INCLUDED SIX SAMPLES OF U.S. STEEL MATERIAL. REPORT 83-08 PROVIDES ASSURANCE THAT HVAC SYSTEMS AND COMPONENTS ARE ADEQUATELY DESIGNED AND CONSTRUCTED; THAT MATERIALS AND THE QA PROGRAM UTILIZED WERE ADEQUATE.

MIDLAND 1

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329/82#08-09 INDIVIDUAL H ALLEGATION

RIV

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REGION III TRACKING SYSTEM

MIDLAND - ALLEGATIONS: INDIVIDUALS C, F, H, M, N, D, R, X, Y, Z, AND CC: ONE COPY FOR R. SPESSARD UPDATED 2/28/84

COMPLETE LISTING

	1TEM					RESOLUTION	
ITEM NO./ RESPONSE DUE	INSPECTOR/	ITEM TYPE/ BRIEF DESCRIPTION	FACILITY NAME	LICENSEE DESIGNATED NO.	INTERIM INSPECTION	INSPECTOR ASSIGNED	CLOSEDUT REPORT NO
329/82#08~10	INDIVIDUAL H	ALLEGATION	MIDLAND 1			HAWKINS	83-08
		ZACK AUDIT OF EDGECOMB (EXHIBIT 21). DETERMINE MIDLAND. SEE ALSO EXHIB SECTIONS IV AND V. NRI SAMPLES OF EDGECOMB MAT REPORT 83-08 PROVIDES OF COMPONENTS ARE ADEQUATE MATERIALS AND THE GA PROVIDES OF EDGECOMB MATERIALS AND THE GA PROVIDED OF EDGECOMB MATERIALS AND THE GAS PROVIDED OF EDGECOMB PROVIDED OF EDGECOMB MATERIALS AND THE GAS PROVIDED OF EDGECOMB PRO	E IF EDGECOMB PRODUCTS BITS 43. NRC IDO2. SEE C MATERIAL TESTING INCL TERIAL. ASSURANCE THAT HVAC SYS ELY DESIGNED AND CONSTR	WERE USED AT REPORT 83-03 UDED 10 ITEMS AND RUCTED! THAT			
329/82#08-11	INDIVIDUAL H	ALLEGATION	MIDLAND 1			RIV	82-02
		ZACK REMOVES DELTA SCRI ON 10-20-81 (EXMIBIT 20 TIME THEY WERE SUPPOSED DETERMINE IF DS MATERIA C99900785/82-02 (RIV) REPORT 83-08 PROVIDES COMPONENTS ARE ADEQUATE MATERIALS AND THE QA PE	OLY REMOVED FROM LIST.  AL WAS USED AT MIDLAND.  ALLEGATIONS 7 AND 13 FOR ASSURANCE THAT HVAC SYSELY DESIGNED AND CONSTR	EXT TO DS DURING TO (EXHIBIT 25). SEE REPORT OR RESOLUTION. ITEMS AND DUCTEDS THAT			
329/82#08-12	INDIVIDUAL H	ALLEGATION	MIDLAND 1			RIV	82-02

QUALIFICATIONS OF ZACK QA/QC PERSONNEL QUESTIONABLE (EXHIBIT 26).
DETERMINE IF ZACK PERSONNEL AT MIDLAND ARE QUALIFIED. SEE
REPORT C99900785/82-02 (RIV) ALLEGATIONS 2 AND 4 FOR RESOLUTION.
ALSO REPORT 83-08 SECTIONS II AND III.
REPORT 83-08 PROVIDES ASSURANCE THAT HVAC SYSTEMS AND
COMPONENTS ARE ADEQUATELY DESIGNED AND CONSTRUCTED; THAT
MATERIALS AND THE DA PROGRAM UTILIZED WERE ADEQUATE.

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MIDLAND - ALLEGATIONS. INDIVIDUALS C. F. H. M. N. O. R. X. Y. Z. AND CC. ONE COPY FOR R. SPESSARD

COMPLETE LISTING

UPDATED 2/28/84

	ITEM					RESOLUTION	
ITEM NO./ RESPONSE DUE	INSPECTOR/	ITEM TYPE/ BRIEF DESCRIPTION	FACILITY NAME	LICENSEE DESIGNATED NO.	INTERIM INSPECTION	INSPECTOR ASSIGNED	CLOSEOUT REPORT NO.
329/82#08-13	INDIVITUAL H	ALLEGATION	MIDLAND 1			RIV	82-02
		CERTIFICATION OF TEST ORDERED ON PO C-1253 W. U.S.S. LIST AS NON SR BZ-02 (RIV) ALLEGATION REPORT 83-08 PROVIDES COMPONENTS ARE ADEQUATE MATERIALS AND THE QA PORTOR OF THE PORTOR OF TH	AS SUBJECT TO TESTING. (EXHIBIT 20). SEE REPOR 11 FOR RESOLUTION. ASSURANCE THAT HYAC SYSELY DESIGNED AND CONSTR	PO C-1253 IS ON RT C99900785/ STEMS AND RUCTED! THAT			
329/82#08-14	INDIVIDUAL H	ALLEGATION	MIDLAND 1			RIV	82-02
		ZACK PRESIDENT DOES QA TRAINED UNTIL 08-31-81 82-02 (RIV) ALLEGATION REPORT 83-98 PROVIDES COMPONENTS ARE ADEQUATE MATERIALS AND THE QA P	(EXHIBIT 28). SEE REPO 4 FOR RESOLUTION. ASSURANCE THAT HVAC SYS ELY DESIGNED AND CONST	ORT C99900785/ STEMS AND RUCTED! THAT			
329/82#08-15	INDIVIDUAL H	ALLEGATION	MIDLAND 1			HAWKINS	83-08
		MIDLAND MEETING NOTES			L		
329/82#08-16	INDIVIDUAL H	ALLEGATION	MIDLAND 1			RIV	82-02

DELTA SCREW MATERIAL IDENTIFIED AS NONCONFORMING C4286-NCR Q-112.
C4484-NCR-M-110. NO MARKS ON BOLTHEADS VO IDENTIFY
MANUFACTURER. BECHTEL CLEARED FOR USE WITHOUT BASIS (EXHIBIT 20A.
B. C). (EXHIBIT 31). AND (EXHIBIT 32). SEE REPORT C99900785/
B2-02 (RIV) ALLEGATION 7 FOR RESOLUTION.
REPORT 83-08 PROVIDES ASSURANCE THAT HVAC SYSTEMS AND
COMPONENTS ARE ADEQUATELY DESIGNED AND CONSTRUCTED! THAT
MATERIALS AND THE GA PROGRAM UTILIZED WERE ADEQUATE.

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MIDLAND - ALLEGATIONS. INDIVIDUALS C. F. H. M. N. O. R. X. Y. Z. AND CC. ONE COPY FOR R. SPESSARD UPDATED 2/28/84

RESOLUTION ITEM CLOSEOUT INSPECTOR INTERIM LICENSEE FACILITY NAME ITEM TYPE/ REPORT NO. INSPECTOR/ DESIGNATED NO. INSPECTION ASSIGNED ITEM NO./ BRIEF DESCRIPTION RESPONSE DUE MODULE NO. 83-08 HAWKINS MIDLAND 1 ALLEGATION INDIVIDUAL H 329/82#08-17 REVIEW CPCO INVESTIGATION (APRIL 15, 1980) OF ALLEGERS. ALLEGATIONS FOR CREDIBILITY. SEE REPORT 83-08 (BACKBROUND AND METHODOLOGY SECTIONS AND AUGUST 30. 1983 LETTER TO DI FROM DE. THIS ITEM IS RELATED TO DE INVESTIGATIONS OF INDIVIDUALS WRONGFUL FIRING (3-82-057). RIV 82-02 MIDLAND 1 ALLEGATION INDIVIDUAL H 329/82#08-18 DETERMINE IF WELDSTAR WAS INVOLVED IN SUPPLYING WELD MATERIAL TO MIDLAND. (EXHIBIT 41). IF SO. DETERMINE IF CERTS EXIST FOR MATERIAL PURCHASED IN 1978 OR PRIOR TO THAT DATE. SEE REPORT C99900785/82-02 (RIV) ALLEGATION 10 FOR RESOLUTION. REPORT 83-08 PROVIDES ASSURANCE THAT HVAC SYSTEMS AND COMPONENTS ARE ADEQUATELY DESIGNED AND CONSTRUCTEDS THAT MATERIALS AND THE QA PROGRAM UTILIZED WERE ADEQUATE. 83-08 HAWKINS MIDLAND 1 ALLEGATION INDIVIDUAL H 329/82#08-19 ZACK AUDIT IZC/81-7 (09-10-81) IDENTIFIES SIGNIFICANT QA BREAKDOWN (EXHIBIT 42). DETERMINE APPLICABILITY TO MIDLAND. RESOLUTION SAME AS 82#08-01. (BASIS FOR ZACK'S AUG.28. 1981 LETTER TO MIDLAND ON CERTIFICATION DEFICIENCIES). 82-02 RIV MIDLAND 1 ALLEGATION INDIVIDUAL H 329/82#08-20

COMPLETE LISTING

REVIEW NRC Q111 WRITTEN ON C4406 FOR POSSIBLE FALSIFICATION AND APPLICABILITY TO MIDLAND (EXHIBIT 43. NRC 10 01). SEE REPORT C99906785/82-02 (RIV) ALLEGATION 7 FOR RESOLUTION. REPORT 83-08 PROVIDES ASSUHANCE THAT HVAC SYSTEMS AND COMPONENTS ARE ADEQUATELY DESIGNED AND CONSTRUCTED THAT MATERIALS AND THE QA PROGRAM UTILIZED WERE ADEQUATE.

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REGION III TRACKING SYSTEM PAGE 16 MIDLAND - ALLEGATIONS, INDIVIDUALS C. F. H. M. N. O. H. X. Y. Z. AND CC. ONE COPY FOR R. SPESSARD UPDATED 2/28/84 COMPLETE LISTING

	ITEM					RESOLUTION	
ITEM NO./ RESPONSE DUE	INSPECTOR/	ITEM TYPE/ BRIEF DESCRIPTION	FACILITY NAME	LICENSEE DESIGNATED NO.	INTERIM INSPECTION	INSPECTOR ASSIGNED	CLOSEOUT REPURT NO.
329/83#03-01	INDIVIDUAL M	ALLEGATION	MIDLAND 1			RIV	82-02
		CMTRS WERE ALTERED TO ASTANDARDS AND MISSING ASTERATIONS WERE IDENTIFY OF THE UTILITY OF THE WOULD RATHER CLASSIFE REPORT 3-82-025 FOR REPORT 3-82-025 FOR REPORT 3-08 PROVIDES COMPONENTS ARE ADEQUATE MATERIALS AND THE 9A PROVIDED OF THE PORT OF T	AUTHENTICATION SIGNATURE IFIED IN THE INTERIM RELES FOR A SIGNIFICANT OF THE ALTERATIONS AS PEOPLE (RIV) ALLEGATIONS ASSURANCE THAT HVAC SYSELY DESIGNED AND CONSTRELY DESIGNED AND CONSTRELY	PORTS ZACK VENT DISCLOSURE. FORGERIES. B AND 9 AND OI STEMS AND			
329/83#03-02	INDIVIDUAL M	ALLEGATION	MIDLAND 1			RIV	82-02
		SCATTERED AND MISSING WERE CONTINUALLY INCLUMEING LOGGED INTO THE SEE REPORT C99900785/8 REPORT 83-08 PROVIDES COMPONENTS ARE ADEQUATE MATERIALS AND THE QAP	DED IN THE PURCHASE ORE DOCUMENT CONTROL LOG BE 2-02 (RIV) ALLEGATION S ASSURANCE THAT HVAC SYSELY DESIGNED AND CONST	DER FOLDERS MITHOU DOK AS REQUIRED. 5 FOR RESOLUTION. 5 TEMS AND RUCTED! THAT	Ť		
329/83003-03	INDIVIDUAL H	ALLEGATION	HIDLAND 1			RIV	65-05
		PURCHASE ORDERS WERE I (RIV) ALLEGATION 11 FO REPORT 83-08 PROVI-ES COMPONENTS ARE ADEQUAT MATERIALS AND THE QA P	R RESOLUTION. ASSURANCE THAT HE IC SY ELY DESIGNED . ID CONST	STEMS AND RUCTEDS THAT			
329/83#03-04	INDIVIDUAL M	ALLEGATION	MIDLAND 1			RIV	82-02

INABILITY OF SUBTIER VENDORS TO SUPPLY MISSING INFORMATION. SEE HEPORT C99900785/82-02 (RIV) ALLEGATIONS 6,7,10 AND 11 FOR RESOLUTION. REPORT 83-08 PROVIDES ASSURANCE THAT HVAC SYSTEMS AND COMPONENTS ARE ADEQUATELY DESIGNED AND CONSTRUCTED! THAT MATERIALS AND THE GA PROGRAM UTILIZED WERE ADEQUATE.

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REGION III TRACKING SYSTEM MIDLAND - ALLEGATIONS. INDIVIDUALS C. F. H. M. N. O. R. X. Y. Z. AND CC. ONE COPY FOR R. SPESSARD UPDATED 2/28/84 COMPLETE LISTING

	ITEM					RESOLUTION	
TEM NO./	INSPECTOR/ MODULE NO.	ITEM TYPE/ BRIEF DESCRIPTION	FACILITY NAME	LICENSEE DESIGNATED NO.	INTERIM INSPECTION	INSPECTOR ASSIGNED	CLOSEOUT REPORT NO.
29/83#03-05	INDIVIDUAL M	ALLEGATION	MIDLAND 1			RIV	82-05
		AN APPROVED VENDORS LISPURCHASING PRACTICES. SALLEGATIONS 12 AND 13 REPORT 83-08 PROVIDES COMPONENTS ARE ADEQUATE MATERIALS AND THE QAPE	SEE REPORT C99900785786 FOR RESOLUTION. ASSURANCE THAT HVAC SYS	STEMS AND RUCTEDS THAT			
329/83#03-06	INDIVIDUAL M	ALLEGATION	MIDLAND 1			HAWKINS	.83-08
		THE PURCHASE ORDER FOR LASALLE. SEE LASALLE REPORT 83-08 PROVIDES COMPONENTS ARE ADEQUATE MATERIALS AND THE GA P.	ASSURANCE THAT HVAC SY ELY DESIGNED AND CONST	STEMS AND RUCTED! THAT	on.		
329/83#03-07	INDIVIDUAL M	ALLEGATION	MIDLAND 1			RIV	85-05
		AN OCTOBER 9. 1981 REP CERTIFICATIONS! (2) WH NUMBERS ALTERED TO AGR 83-08 SECTION 1. C9990 AND 01 3-82-025 FOR RE REPORT 83-08 PROVIDES COMPONENTS ARE ADEQUAT MATERIALS AND THE QA P	ITE-OUT USED AND RETTP EE WITH CERTIFICATIONS 0785/82-02 (RIV) ALLEG SOLUTION. ASSURANCE THAT HVAC SY ELY DESIGNED AND CONST	REFER TO REPORTS ATIONS 8 AND 9. STEMS AND RUCTED! THAT			
329/83#03-08	INDIVIDUAL M	ALLEGATION	MIDLAND 1			RIV	82-02

THE DOCUMENT CONTROL WAS SO POOR TRADITIONALLY THAT THE RECORDS HAD BEEN PILED ON FLOORS IN BOXES. EVEN AFTER THE DOCUMENT CONTROL CENTER HAD BEEN ESTABLISHED. UNAUTHORIZED PERSONNEL WERE REMOVING QUALITY DOCUMENTS WITHOUT SIGNING THEM OUT. REFER TO REPORT C99900785/82-02 (RIV) ALLEGATIONS 1 AND 5 FOR RESOLUTION. REPORT 83-08 PROVIDES ASSURANCE THAT HVAC SYSTEMS AND COMPONENTS ARE ADEQUATELY DESIGNED AND CONSTRUCTED! THAT MATERIALS AND THE QA PROGRAM UTILIZED WERE ADEQUATE.

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REGION III TRACKING SYSTEM PAGE 18 MIDLAND - ALLEGATIONS. INDIVIDUALS C. F. H. M. N. O. R. X. Y. Z. AND CC. ONE COPY FOR R. SPESSARD UPDATED 2/28/84 COMPLETE LISTING

ITEM RESOLUTION ITEM NO./ INSPECTOR/ ITEM TYPE! FACILITY NAME LICENSEE INTERIM INSPECTOR CLOSEOUT BRIEF DESCRIPTION DESIGNATED NO. INSPECTION ASSIGNED REPORT NO. RESPONSE DUE MODULE NO. RIV MIDLAND 1 82-02 329/83#03-09 INDIVIDUAL M ALLEGATION INTERIM REPORTS WERE PRODUCED ON A RUSH BASIS IN ORDER TO SHOW DOCUMENTED EVIDENCE THAT ZACK WAS IMPLEMENTING CORRECTIVE ACTION AND THAT THE UTILITIES COULD PROCEED WITH CONSTRUCTION. THESE INTERIM REPORTS WERE INACCURATE AND SHOULD HAVE BEEN CONTINUALLY REVISED TO REFLECT AN ACCURATE STATUS REPORT. SEE REPORTS C99900785/82-02 (RIV) ALLEGATION 16 AND 83-08 SECTION I (50.55(E)) FOR RESOLUTION. REPORT 83-08 PROVIDES ASSURANCE THAT HVAC SYSTEMS AND COMPONENTS ARE ADEQUATELY DESIGNED AND CONSTRUCTED! THAT MATERIALS AND THE QA PROGRAM UTILIZED WERE ADEQUATE. ALLEGATION MIDLAND 1 HANKINS 83-08 329/83#03-10 INDIVIDUAL M AN OCTOBER 23. 1981 REPORT ACCURATELY IDENTIFIED PROBLEMS WITH MATERIAL CERTIFICATIONS, IMPROPER ACCESS TO DOCUMENTS, AND UNAUTHORIZED DOCUMENT ALTERATIONS. RESOLUTION SAME AS 82008-01. MIDLAND 1 RIV 82-02 329/83#04-01 INDIVIDUAL N ALLEGATION I HAD VIRTUALLY NO FORMAL TRAINING FOR MY WORK. SEE REPORT C99900785/82-02 (RIV) ALLEGATION & FOR RESOLUTION REPORT 83-08 PROVIDES ASSURANCE THAT HVAC SYSTEMS AND COMPONENTS ARE ADEQUATELY DESIGNED AND CONSTRUCTED! THAT MATERIALS AND THE GA PROGRAM UTILIZED WERE ADEQUATE. 329/83#04-02 INDIVIDUAL N ALLEGATION MIDLAND 1 RIV 82-02

> REPRODUCED COPIES WERE NOT IDENTICAL TO THE ORIGINAL PO. DISCREPANCIES INCLUDED FREQUENT SPACES ON THE REPRODUCTIONS WHICH HAD BEEN WHITED-OUT AND SOMETIMES FILLED IN OVER AGAIN. SEE REPORT C99900785/82-02 (RIV) ALLEGATIONS 8 AND 9 AND OI REPORT 3-82-025 FOR RESOLUTION. REPORT 83-08 PROVIDES ASSURANCE THAT HVAC SYSTEMS AND COMPONENTS ARE ADEQUATELY DESIGNED AND CONSTRUCTED! THAT MATERIALS AND THE GA PROGRAM UTILIZED WERE ADEQUATE.

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REGION III TRACKING SYSTEM PAGE 19 HIDLAND - ALLEGATIONS. INDIVIDUALS C. F. H. M. N. O. R. X. Y. Z. AND CC. ONE COPY FOR R. SPESSARD UPDATED 2/28/84 COMPLETE LISTING

	ITEM					RESOLUTION	
ITEM NO./ RESPONSE DUE	INSPECTOR/	ITEM TYPE/ BRIEF DESCRIPTION	FACILITY NAME	LICENSEE DESIGNATED NO.	INTERIM INSPECTION	INSPECTOR ASSIGNED	CLOSEOUT REPORT NO.
329/83604-03	INDIVIDUAL N	ALLEGATION	MIDLAND 1			RIV	82-02
		MANUFACTURERS DID NOT SEQUIPMENT PAPERWORK. OF CERTIFICATION FORM FOR WITH A LETTER INDICATION SPECIFICATIONS AND MATCH SEE REPORT C99900785/86 REPORT 83-08 PROVIDES A COMPONENTS ARE ADEQUATE MATERIALS AND THE QAPE	SEVERAL LOTS OF WELD!  SEVERAL LOTS OF WELD!  NG THAT WE COULD FILL!  CH THEM UP WITH THE PO-  2-02 (RIV) ALLEGATION  ASSURANCE THAT HVAC SYSELY DESIGNED AND CONST	S A TYPICAL  18 MATERIAL, ALONG  18 THEMSELVES.  10 FOR RESOLUTION.  10 THEMSELVES.  10 FOR RESOLUTION.			
329/83#04-04	INDIVIDUAL N	ALLEGATION	MIDLAND 1			RIV	82-02
		COMMENTS CONCERNING POOR COMPONENTS ARE ADEQUATE MATERIALS AND THE QA PE	ALLEGATIONS 1 AND 5 AND 6. ASSURANCE THAT HVAC SYSELY DESIGNED AND CONST	O OI REPORT STEMS AND RUCTEDS THAT			
329/83#04-05	INDIVIDUAL N	ALLEGATION	MIDLAND 1			HAWKINS	83-08
		DURING THE TIME I WORKE AM AWARE OF TO INSPECT PROGRAM. SEE LETTERS FR (DATED AUG.9, AND 31, 19 FOWARDED IND. H.S AFFIL AFFIDAVIT REGARDING SAM ISSUES SENT TO 01A.	ZACK PROCEDURES OR MORROW RILL WHICH REFER TO BB3) FOR APPROPRIATE ACCOUNTY AND SWORN STATEME	STOR THEIR GA HIS ISSUE TO GIA CTION. THE LETTERS ENT AND IND. O'S			
329/83#05-01	INDIVIDUAL O	ALLEGATION	MIDLAND 1			RIV	62-02

COMMENTS REGARDING POOR DOCUMENT CONTROL. SEE REPORT C99900785/82-02 (RIV) ALLEGATIONS 1 AND 2 AND OI REPORT 3-82-025 FOR RESOLUTION. INDIVIDUAL O'S AFFIDAVIT FOWARDED TO DIA IN LETTER DATED AUGUST 9-1982. REPORT 83-08 PROVIDES ASSURANCE THAT HVAC SYSTEMS AND COMPONENTS ARE ADEQUATELY DESIGNED AND CONSTRUCTED! THAT MATERIALS AND THE QA PHOGRAM UTILIZED WERE ADEQUATE.

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REGION 111 TRACKING SYSTEM

MIDLAND - ALLEGATIONS, INDIVIDUALS C. F. H. M. N. O. R. X. Y. Z. AND CC. ONE COPY FOR R. SPESSARD

COMPLETE LISTING

UPDATED 2/28/84

	ITEM					RESOLUTION	
ITEM NO./ RESPONSE DUE	INSPECTOR/	ITEM TYPE/ BRIEF DESCRIPTION	FACILITY NAME	LICENSEE DESIGNATED NO.	INTERIM INSPECTION	INSPECTOR ASSIGNED	CLOSEOUT REPORT NO.
329/83#05-02	INDIVIDUAL O	ALLEGATION	MIDLAND 1			RIV	82-02
		FIRED I LEARNED THAT S TO FIX OR CORRECT THE	VARIOUS POSS. SEE REPOR D 9 AND OI REPORT 3-82- ASSURANCE THAT HVAC SYS ELY DESIGNED AND CONSTR	OME OF THE FILES RT C99900785/82-02 -025 FOR RESOLUTION STEMS AND RUCTED! THAT			
329/83#05-03	INDIVIDUAL O	ALLEGATION	MIDLAND 1			RIV	82-02
		REPORT 83-08 PROVIDES	ALLEGATION 4 FOR RESOLU ASSURANCE THAT HVAC SYS ELY DESIGNED AND CONSTR	UTION STEMS AND RUCTED! THAT			
329/83#05-04	INDIVIDUAL O	ALLEGATION	MIDLAND 1			RIV	82-02
		REPORT 83-08 PROVIDES COMPONENTS ARE ADEQUAT		N). 16 FOR RESOLUTION. STEMS AND RUCTED! THAT			
329/83#05-05	INDIVIDUAL O	ALLEGATION	MIDLAND 1			RIV	82-02

A NUMBER OF THE CMTR'S I INSPECTED WERE ALTERED. SEE REPORT C99900785/82-02 (RIV) ALLEGATIONS 8 AND 9 AND 01 REPORT 3-82-025 FOR RESOLUTION.
REPORT 83-08 PROVIDES ASSURANCE THAT HVAC SYSTEMS AND COMPONENTS ARE ADEQUATELY DESIGNED AND CONSTRUCTED! THAT MATERIALS AND THE QA PROGRAM UTILIZED WERE ADEQUATE.

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REGION III THACKING SYSTEM

MIDLAND - ALLEGATIONS. INDIVIDUALS C. F. H. M. N. O. R. X. Y. Z. AND CC. ONE COPY FOR R. SPESSARD

COMPLETE LISTING

UPDATED 2/28/84

	ITEM					RESOLUTION	
ITEM NO./ RESPONSE DUE	INSPECTOR/ MODULE NO.	ITEM TYPE/ BRIEF DESCRIPTION	FACILITY NAME	LICENSEE DESIGNATED NO.	INTERIM INSPECTION	INSPECTOR ASSIGNED	CLOSEOUT REPORT NO.
329/83#05-06	INDIVIDUAL O	ALLEGATION	MIDLAND 1			RIV	82-02
		LIKE MISSING CERTIFIC WRITE). SEE REPORT C9 FOR RESOLUTION. REPORT 83-08 PROVIDES COMPONENTS ARE ADEQUA	D MAKE A RESOLUTION OR E ATIONS (CONCERNING MCRS D900785/82-D2 (RIV) ALLE ASSURANCE THAT HVAC SYS TELY DESIGNED AND CONSTR PROGRAM UTILIZED MERE AD	SHE WAS FORCED TO GATION 4 TEMS AND UCTED! THAT			
329/83#05-07	INDIVIDUAL O	ALLEGATION	HIDLAND 1			RIV	82-02
		CERTIFICATIONS OR SPE FILL IN THE BLANKS. S ALLEGATION 10 FOR RES REPORT 83-08 PROVIDES COMPONENTS ARE ADEQUA	TIER VENDOR CONCERNING M CIFICATIONS THE VENDOR T EE REPORT C99900785/82-0 DLUTION. ASSURANCE THAT HVAC SYS TELY DESIGNED AND CONSTR PROGRAM UTILIZED WERE AD	OLD ZACK TO JUST 2 (RIV) TEMS AND UCTED! THAT			
329/83#05-08	INDIVIDUAL O	ALLEGATION	MIDLAND 1			HAWKINS	83-03
		INVESTIGATION AT THE REPORT 83-08 REFERS TO	WLEDGE THERE WAS NEVER A ZACK SITE DURING MY EMPL D AFFIDAVITS AND STATEME AUGUST 9.1983 LETTER FR	OYMENT THERE. NTS WHICK WERE	DIA.		
329/83#05-09	INDIVIDUAL O	ALLEGATION	MIDLAND 1			RIV	82-02

I ALSO BELIEVE THERE SHOULD BE A REVIEW OF ZACK WELDER QUALIFICATION RECORDS. SEE REPORT C99900785/82-02 (RIV) ALLEGATION 3 AND RIII REPORTS 83-13183-14. (COOR RELEASE OF ZACK WORK) FOR RESOLUTION.
REPORT 83-08 PROVIDES ASSURANCE THAT HVAC SYSTEMS AND COMPONENTS ARE ADEQUATELY DESIGNED AND CONSTRUCTED! THAT MATERIALS AND THE QA PROGRAM UTILIZED WERE ADEQUATE.

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REGION III TRACKING SYSTEM PAGE 22 MIDLAND - ALLEGATIONS. INDIVIDUALS C. F. H. M. N. O. R. A. Y. Z. AND CC. ONE COPY FOR R. SPESSARD UPDATED 2/28/84 COMPLETE LISTING

	ITEM					RESOLUTION	
ITEM NO./ RESPONSE DUE	INSPECTOR/ MODULE NO.	ITEM TYPE/ BRIEF DESCRIPTION	FACILITY NAME	LICENSEE DESIGNATED NO.	INTERIM INSPECTION	INSPECTOR ASSIGNED	CLOSEOUT REPORT NO.
329/83#08-01	INDIVIDUAL R	ALLEGATION	MIDLAND 1			COOK	83-11
		SODERHOLM. CLARK ASH. LEITER TO SINCLAIR FRO REPORT 83-08 PROVIDES COMPONENTS ARE ADEQUAT	AT MIDLAND INCLUDE LED AND ED ENTROKIN. REFER M KEPPLER. ASSURANCE THAT HYAC SYS ELY DESIGNED AND CONSTR ROGRAM UTILIZED WERE AD	TO JUNE 27, 1983 TEMS AND DUCTED! THAT			
329/83#08-02	INDIVIDUAL R	ALLEGATION	MIDLAND 1			HAWKINS	83-08
			QUALIFIED PEOPLE FOR 0 83-08 SECTION I FOR RE T 8308)				
329/83#08-03	INDIVIDUAL R	ALLEGATION	MIDLAND 1			соок	83-11
		CERTAIN LIMITED SIZE MENGINEER OR ARCHITECT. JUNE 27. 1983 LETTER TREPORT 83-08 PROVIDES COMPONENTS ARE ADEQUAT	K ON ANY CONTRUCTION PRIUST BE DONE AS A MICHIE ALSO SEE REPORT 63-08 O SINCLAIR FROM KEPPLER ASSURANCE THAT HVAC SYSELY DESIGNED AND CONSTRUCTION OF THE ACCORDANCE OF THE AC	SECTION I AND FOR RESOLUTION. TEMS AND RUCTED! THAT			
329/83#08-04	INDIVIDUAL R	ALLEGATION	MIDLAND 1			COOK	63-11

HE TOLD HE THAT A VERY GOOD WELDER QUIT THE PROJECT RECENTLY BECAUSE THE SCHEDULING WAS SO ERRATIC. SEE JUNE 27.1983 LETTER TO SINCLAIR FROM KEPPLER FOR RESOLUTION. REPORT 83-08 PROVIDES ASSURANCE THAT HVAC SYSTEMS AND COMPONENTS ARE ADEQUATELY DESIGNED AND CONSTRUCTED! THAT MATERIALS AND THE QA PROGRAM UTILIZED WERE ADEQUATE.

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REGION III THACKING SYSTEM

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COMPLETE LISTING

	ITEM				RESOLUTION		
ITEM NO./ RESPONSE DUE	INSPECTOR/	ITEM TYPE/ BRIEF DESCRIPTION	FACILITY NAME	LICENSEE DESIGNATED NO.	INTERIM INSPECTION	INSPECTOR ASSIGNED	CLOSEOUT REPORT NO
329/83#14-01	INDIVIDUAL X	ALLEGATION	MIDLAND 1			RIV	82-02
		TRAINING WAS INADEQUATE IN PREPARATING HIM TO PERFORM HIS J( B WITH ZACK. SEE REPORT C99900785/82-02 (RIV) ALLEGATION 4 AND 83-08 SECTION I FOR RESOLUTION.  METORT 63-05 PROVIDES ASSURANCE THAT HVAC SYSTEMS AND COMPONENTS ARE ADEQUATELY DESIGNED AND CONSTRUCTED! THAT MATERIALS AND THE QA PROGRAM UTILIZED WERE ADEQUATE.					
329/83#14-02	INDIVIDUAL X	ALLEGATION	MIDLAND 1			HAWKINS	83-08
		OF WORK. SEE REPORT 83 FOR RESOLUTION. REPORT 83-08 PROVIDES COMPONENTS ARE ADEQUAT	EMENT PRESSURES HAVE AF 1-08 SECTION I AND OI RE ASSURANCE THAT HVAC SYS ELY DESIGNED AND CONSTR ROGRAM UTILIZED WERE AD	PORT 3-82-057 TEMS AND OCTEDI THAT			
329/83#14-03	INDIVIDUAL X	ALLEGATION	MIDLAND 1			RIY	82-02
		HE FREQUENTLY SAW DOCUMENTS HAVING EVIDENCE OF SIGNATURES OF QUESTIONABLE AUTHENTICITY. WHITE OUTS AND HEAT NUMBER ALTERATIONS. SEE OI REPORTS 3-82-025. RIII REPORT 83-08 SECTION I. AND RIV REPORT C99900785/82-02 RIV ALLEGATION 8 AND 9 FOR HESOLUTION.  REPORT 83-08 PROVIDES ASSURANCE THAT HVAC SYSTEMS AND COMPONENTS ARE AUEQUATELY DESIGNED AND CONSTRUCTED! THAT MATERIALS AND THE QA PROGRAM UTILIZED WERE ADEQUATE.					
129/83#15-01	INDIVIDUAL Y	ALLEGATION	MIDLAND 1			HAWKINS	83-08

DUE TO THE FAILURE OF CPCO TO POST X-RAY SIBNS. HE WAS EXPOSED TO RADIATION PRODUCED BY X-RAY EQUIPMENT. SEE REPORT 83-08 SECTION I FOR RESOLUTION. THE INDIVIOUAL DID NOT WISH TO PURSUE THIS ISSUE WITH THE NRC.

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MEGION III TRACKING SYSTEM

MIDLAND - ALLEGATIONS, INDIVIDUALS C, F, H, M, N, O, R, X, Y, Z, AND CC, ONE COPY FOR R, SPESSARD UPDATED 2/28/84 COMPLETE LISTING

	ITEM					RESOLUTION	
ITEM NO./ RESPONSE DUE	INSPECTOR/	ITEM TYPE/ BRIEF DESCRIPTION	FACILITY NAME	LICENSEE DESIGNATED NO.	INTERIM INSPECTION	INSPECTOR ASSIGNED	CLOSEOUT REPORT NO.
329/83#16-01	INDIVIDUAL Z	ALLEGATION	MIDLAND 1			HAWKINS	83-08
		IMPROPER DEFICIENCY TRE 83-08 SECTION I AND II STATEMENT SENT TO 01 0					
329/83#16-02	INDIVIDUAL Z	ALLEGATION	MIDLAND 1			BARDNER	
		UNQUALIFIED COMSTOCK PO	ERSONNEL PERFORMING ENG	INEERING AND			
329/83#16-03	INDIVIDUAL Z	ALLEGATION	HIDLAND 1			COOK	63-21
		INADEQUATE DESIGN AND SUPPORTS BY BECHIEL AND DETAIL OF RESOLUTION.			)A		14
329/83#19-01	INDIVIDUAL CC	ALLEGATION	MIDLAND 1			HAWKINS	83-08
		IMPROPER USE OF ONSITE SECTION I FOR RESOLUTION REPORT 83-08 PROVIDES COMPONENTS ARE ADEQUATION MATERIALS AND THE QA PO	ASSURANCE THAT HVAC SYS	TEMS AND			
329/83#19-02	INDIVIDUAL CC	ALLEGATION	MIDLAND 1			HAWKINS	83-08
		INCORRECT INSTALLATION PLATES. SEE REPORT 83					
329/83-19-03	INDIVIDUAL CC	ALLEGATION	MIDLAND 1			HANKINS	83-09

EXTENSIVE PROPOSED CONTROL ROOM HVAC REDISION. SEE REPORT 83-08 SECTION I FOR RESOLUTION. REFERRED TO TERA FOR INCORPORATION INTO THE CONTROL ROOM HVAC DESIGN REVIEW.

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PAGE 25 MIDLAND - ALL	EGATIONS. INDIVI	IDUALS C. F. H. M. N. O. F	REGION III TRACKING SYS		SARD UP	DATED 2/28/84	02/28/84
	ITEM					RESOLUTION	
ITEM NO./ RESPONSE DUE	INSPECTOR/	ITEM TYPE/ BRIEF DESCRIPTION	FACILITY NAME	LICENSEE DESIGNATED NO.	INTERIM INSPECTION	INSPECTOR ASSIGNED	CLOSEOUT REPORT NO.
329/83#19-04	INDIVIDUAL CC	ALLEGATION  EXCESSIVE BLOWHOLES IN SECTION I AND II FOR RE		IORK. SEE REPORT 83	-08	HAWKINS	83-08
329/83#19-05	INDIVIDUAL CC	ALLEGATION  BECHTELS USE OF NONDISC SECTION 1.	MIDLAND 1	SO SEE REPORT 83-08		HARRISON	83-10
330/02#03-01	INDIVIDUAL C	ALLEGATION  I SAW HEAVY DRINKING AR LAYDOWN AREA. ROUTINELY AT LUNCH AND GET BEER. THIS ITEM CLOSED BASED OF INDIVIDUAL C (PAGES TO 01 ON AUGUST 30.1983 THE INDIVIDUAL WAS UNAU CONCERN IMPACTED SAFETY	WORKERS GO DOWN TO ON AT LUNCH SOME WORKERS ON AUGUST 4. 1983 SWOOT 7-8). INDIVIDUAL C'S S BLE TO PROVIDE DETAILS	ENS PARTY STORE ALSO SMOKED GRASS. IN STATEMENT WORN STATEMENT SEN OF HOW THE		HAWKINS	83-08

PIPEFITTERS HAD BELTBUCKLES CONSTRUCTED FROM STAINLESS STEEL PIPE AND WELDING RODS. SOME WERE MANUFACTURED IN THE COMBO SHOP. A WORKER FROM THE AUXILIARY BUILDING MADE BARBECUE SKEWERS. YOU COULD GET ALMOST ANYTHING YOU WANTED IF YOU KNEW THE RIGHT PEOPLE. THIS ITEM CLOSED BASED ON AUGUST 4.1983 SWORN STATEMENT OF INDIVIDUAL C (PAGE 10). THE INDIVIDUAL WAS UNABLE TO PROVIDE DETAILS OF HOW THE CONCERN IMPACTED SAFETY RELATED CONSTRUCTION ACTIVITIES.

MIDLAND 2

They do.

330/82#03-02 INDIVIDUAL C

ALLEGATION

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HANKINS

83-08

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-	ITEM					RESOLUTION	
ITEM NO./ RESPONSE DUE	INSPECTOR/	ITEM TYPE/ BRIEF DESCRIPTION	FACILITY NAME	LICENSEE DESIGNATED NO.	INTERIM INSPECTION	INSPECTOR ASSIGNED	CLOSEOUT REPORT NO.
330/82#03-03	INDIVIOUAL C	ALLEGATION	MIDLAND 2			HAWKINS	83-08
		THERE WAS A LOT OF GOOD WORKERS WERE SLEEPING OF WORKERS WOULD WALK AROUND WORKERS WOULD WALK AROUNDER TO LOOK BUSY. THIS SWORN STATEMENT OF INDITITE INDIVIDUAL WAS UNABLED CONCERN IMPACTED SAFETY	ON THE JOB. I HEARD RUM JND WITH THE SAME PLANK IS ITEM CLOSED BASED ON IVIDUAL C (PAGE 11). BLE TO PROVIDE DETAILS	ORS THAT SOME ALL DAY LONG IN AUGUST 4-1983 OF HOW THE			
30/62#03-04	INDIVIDUAL C	ALLEGATION	MIDLAND 2			HAWKINS	83-08
		IN 1979 THE ZACK BLUEPS CONDITION. MOST OF THE CONTROLLING DRAWINGS WE REVISIONS WERE NOT PROP STATEMENT OF INDIVIDUAL OF REPORT 83-08.	ZACK QUALITY CONTROL P RE NOT FOLLOWED. DRAW! PERLY CONTROLLED. REFER	ROCEDURES FOR NGS AND DRAWING TO SWORN			

I NOTICED THAT SOME CONSTRUCTION MODIFICATIONS WERE DONE BEFORE THE CHANGES HAD BEEN APPROVED. THIS OFTEN INVOLVED HANGER DESIGN CHANGES. REFER TO SWORN STATEMENT OF INDIVIDUAL C (PAGES 29-33) . THIS ALLEGATION WAS CATEGORIZED AS AN UNDEFINED CONCERN (I.E. LACK OF SPECIFICITY) AND WAS ADDRESSED UNDER THE FIVE PHASE PROGRAM IN REPORT 83-08.

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	ITEM					RESOLUTION	
ITEM NO./ RESPONSE DUE	INSPECTOR/	ITEM TYPE/ BRIEF DESCRIPTION	FACILITY NAME	LICENSEE DESIGNATED NO.	INTERIM INSPECTION	INSPECTOR ASSIGNED	CLOSEOUT REPORT NO
330/82#03-06	INOIVIDUAL C	I WAS REVIEWING A BLUE PITTSBURGH SEAM. NEITH KNEW WHAT A PITTSBURGH FOREMAN AND THE PROJEC BECAUSE THEY WOULD TAK DID. THIS ITEM CLOSED	MIDLAND 2  IN 1979 CONCERNING MAT PRINT AND SAW THAT A OU ER THE ZACK PROJECT MAN SEAM WAS. IT WASN'T BE T MANAGER TOLD ME TO OR E CARE OF IT. IT DEN'T BASED ON AUGUST 4-1983 33-37). PITTSBURG SEAM	CT REQUIRED A AGER NOR THE FOREN ING USED. THE OP THE SUBJECT KNOW IF THEY EVER SWORN STATEMENT		HAWKINS	83-08
330/82#03-07	INDIVIDUAL C	HVAC UNITS TO VERIFY TO COVERED AND CLEAN AS RE MAINTENANCE SUPERVISOR THIS ITEM CLOSED BASED INDIVIDUAL C (PAGES 37- THIS ALLEGATION WAS CA (I.E. LACK OF SPECIFIC	TEGORIZED AS AN UNDEFIN	LLED WERE KEPT T COPIED THE ORMING INSPECTIONS STATEMENT OF ED CONCERN		HAWKINS	83-08
		PHASE PROGRAM IN REPOR	1 83-98.				

ZACK WELDERS STARTED DOING ARC-BRAZING WELDS BEFORE A PROCEDURE WAS DEVELOPED TO COVER BRAZING REQUIREMENTS OR WELDER QUALIFICATION REQUIRMENTS FOR BRAZING. QC DID STOP THE WORK AND PUT HOLDS ON ALL WORK ALREADY DONE. FINALLY ZACK CAME UP WITH A PROCEDURE AND HAD THE WELDERS TESTED AND QUALIFIED. THIS ITEM CLOSED BASED ON AUGUST 4-1983 SWORN STATEMENT OF INDIVIDUAL C (PAGES 50-55) AND REPORT 83-08 SECTIONS I AND II.

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	116#					RESOLUTION	
ITEM NO./ RESPONSE DUE	INSPECTOR/ MODULE NO.	ITEM TYPE/ BRIEF DESCRIPTION	FACILITY NAME	LICENSEE INTERIM INSPECTION DESIGNED	INTERIM	INSPECTOR ASSIGNED	CLOSEOUT REPORT NO.
330/62603-09	INDIVIDUAL C	ALLEGATION  THERE WERE MANY BAD WELDS IN THE CONTROL ROOM CLASS I HVAC DUCTWORK WITH DEFECTS SUCH AS BLOW HOLES AND EXCESSIVE PORD SOME WELDS WERE BARELY ACCESSIBLE. IF AT ALL, I DON'T KNOW OR HOW. THEY WERE BALL RECHECKED, QC INSPECTORS FOUND FIVE D BAD WELDS ON ONE PIECE OF DUCTWORK. THE FOREMAN DIDN'T WANT CUT THE PART OUT AND REPLACE IT BECAUSE THAT WOULD BE TOO M WORK. I DON'T KNOW IF THE PIECE WAS EVER REPAIRED OR REPLACE REEF TO SWORN STATEMENT OF INDIVIDUAL C (PAGES 55-62) AND R B3-08 SECTIONS I AND II.  THIS ALLEGATION WAS CATEGORIZED AS AN UNDEFINED CONCERN (I.E. LACK OF SPECIFICITY) AND WAS ADDRESSED UNDER THE FIVE PHASE PROGRAM IN REPORT 83-08.	MIDLAND 2  AD WELDS IN THE CONTROL ROOM CLASS I HVAC  ECTS SUCH AS BLOW HOLES AND EXCESSIVE POROSITY.  ALL RECHECKED. GC INSPECTORS FOUND FIVE OR SIX  ALL RECHECKED. GC INSPECTORS FOUND FIVE OR SIX  PIECE OF DUCTWORK. THE FOREMAN DIDN'T WANT TO  AND REPLACE IT BECAUSE THAT WOULD BE TOO HUCH  W IF THE PIECE WAS EVER REPAIRED OR REPLACED.  ATEMENT OF INDIVIDUAL C (PASES SS-62) AND REPORT  AND II.  AS CATEGORIZED AS AN UNDEFINED CONCERN  CIFICITY) AND WAS ADDRESSED UNDER THE FIVE  REPORT 83-08.	TROL ROOM CLASS I HVAC FOLES AND EXCESSIVE POROSITY. F AT ALL. I DON'T KNOW IF. THE FOREMAN DIDN'T WANT TO USE THAT WOULD BE TOO MUCH EVER REPAIRED OR REPLACED. I. C. (PASES 55-62) AND REPORT ODRESSED UNDER THE FIVE		HAWKINS	***
330/82403-10	IMDIVIDUAL C	ALLEGATION  IN THE EARLY SUMMER OF 1979 THERE WAS NO CONTROL OVER THE USE OF WELD RODS, WORKERS JUST GRABBED AS MANY RODS AS THEY WANTED BY THE HANDELL AND DROPPED THEM OFF LATER, THERE WERE NO SIGN-OUTS, INSPECTORS WOULD FIND THE RODS LYING IN THE FIELD ALONG WITH THE ROD STUBS AND MALF USED PIECES, THE WELD ROD CONTROL PROCEDURE WAS SUBSEQUENTLY REVISED AND ENFORCED. REFER TO SWORN STATEMENT OF INDIVIDUAL C (PAGES 62-AND REDORT 83-08 SECTIONS II:III:AND V. THIS ALLEGATION WAS CATEGORIZED AS AN UNDEFINED CONCERN (I.E. LACK OF SPECIFICITY) AND WAS ADDRESSED UNDER THE FIVE PHASE PROGRAM IN REPORT 83-08.	MIDLAND & ER OF 1979 THERE WAS NO CONTROL OVER THE U KERS JUST GRABBED AS WANY RODS AS THEY WAN D DROPPED THEM OFF LATER, THERE WERE NO OUTS, INSPECTORS WOULD FIND THE RODS LYING ITH THE ROD STUBS AND MALF USED PIECES, TH PROCECURE WAS SUBSEQUENTLY REVISED AND TO SWORN STATEMENT OF INDIVIDUAL C (PAGES SECTIONS II, III, AND V. AS CATEGORIZED AS AN UNDEFINED CONCERN CIFICITY) AND WAS ADORESSED UNDER THE FIVE	AS NO CONTROL OVER THE USE AS MANY RODS AS THEY WANTED LATER, THERE WERE NO DULD FIND THE RODS LYING IN HOW MALF USED PIECES, THE GOUENTLY REVISED AND OF INDIVIDUAL C (PAGES 62-36 IN UNDEFINED CONCERN LOORESSED UNDER THE FIVE		HAWK INS	•

83-08

HAWKINS

IN SOME CASES THE GC INSPECTORS SAID THERE WAS NO DOCUMENTATION THAT THE ANCHOR BOLTS FOR THE HVAC SYSTEM WERE EITHER TORQUED AT ALL OR TORQUED WITH A CALIBRATION TORQUE WRENCH. SOME OF THE BOLTS IN QUESTION WERE NO LONGER ACCESSIBLE, BC WINT BACK AND TORQUED AND DOCUMENTED AS MANY AS THEY COULD REACH BUT I DON'T KNOW WHAT HAPPENED TO THE REST. REFER TO SWORN STATEMENT OF INDIVIDUAL C (PAGES 66-74) AND REPORT 63-0% SECTION I AND II.

MIDLAND 2

ALLEBATION

INDIVIDUAL C

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	1164					RESOLUTION	
TEN NO. / RESPONSE DUE	INSPECTOR/ MODULE NO.	ITEM TYPE/ BRIEF DESCRIPTION	FACILITY NAME	LICENSEE DESIGNATED NO.	INTERIM INSPECTION	INSPECTOR ASSIGNED	CLOSEOUT REPORT NO.
339/82#03-12	IMDIVIDUAL C	ALLEGATION  A GC MANUAL WAS SO IN OCTOBER 1979. I REPORTS DONE UNDER RECHECKED TO SEE IF REFER TO SWORN STAT REPORT 83-08 SECTIO THIS ALLEGATION WAS THEE. LACK OF SPECI	AS USELESS AS USELESS US IN THE P QC INSPECTOR AND V. ED AS AN U	S. THE MANUAL WAS REVISED PREVIDED INSPECTION STAMBARDS WERE AND MISSED PROBLEMS. C (PAGES 74-77) AND MOEFINED CONCERN		HAWKINS	83-08
336/82403-13	INDIVIDUAL C	ALLEGATION  I WAS INFORMED THAT THE TESTING PROCEDURES UNDER WHICH INSPECTORS WERE QUALIFIED WERE NOT GOOD ENOUGH TO COVER SKILLS. I UNDERSTAND THAT THE REQUIREMENTS HAVE BEEN REBUT AGAIN. UNGUALIFIED INSPECTORS MAY HAVE HISSED GUALIFOR A LONG TIME. REFER TO SWORN STATEMENT OF INDIVIDUAL (PAGES 77-84) AND REPORT 83-08 SECTIONS II. III. AND VITHIS ALLEGATION WAS CATEGORIZED AS AN UNDEFINED CONCERNIE. PHASE PROGRAM IN REPORT 83-08.	MIDLAND 2  THE TESTING PROCEDURES UNDER WHICH IFIED WERE NOT GOOD ENOUGH TO COVER IT THAT THE REQUIREMENTS HAVE BEEN RE ED IMSPECTORS MAY HAVE HISSED GUALI ER TO SWORN STATEMENT OF INDIVIDUAL PORT 83-08 SECTIONS II, III, AND V, CATEGORIZED AS AN UNDEFINED CONCERN ICITTI AND WAS ADDRESSED UNDER THE	NO 2 DCEDURES UNDER WHICH GOOD ENDUGH TO COVER THE KEY HEMENTS HAVE GEEN REVISED. HEMENT OF INDIVIDUAL C IOMS II. III. AND V. AN UNDEFINED CONCERN ADDRESSED UNDER THE FIVE		HAWK I NS	**
330/62#03-1*	INDIVIDUAL C	ALLEGATION  DUE TO SCHEDULING PRESSURES INSTALLED IN THE PLANT, THE PRESIDENT SAW THE DUCTMORK A REFER TO SWORN STATEMENT OF REPORT 83-88, SECTIONS 1: 11 THIS ALLEGATION WAS CATEGORI (1.E. LACK OF SPECIFICITY) A PHASE PROGRAM IN REPORT 83-0	MIDLAND 2 NOWCONFORMING 19 L-CK CHICAGO Q1 AND LET IT 00 TO INDIVIDUAL C (19 INDIVIDUAL C (	AINS 144C DUCTWORK WAS 160 91 MANAGER AND VICE 60 TO THE FIELD, THIS C C (248ES 84-94) AND AND Y. UNDEFINED CONCERN DRESSED UNDER THE FIVE		HAWKINS	**-c*

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	176*					RESOLUTION	
ITEN NO./ RESPONSE DUE	INSPECTOR/ MODULE NO.	ITEM TYPE/ BRIEF DESCRIPTION	FACILITY NAME	LICENSEE DESIGNATED NO.	INTERIM INSPECTOR	INSPECTOR ASSIGNED	CLCSEOUT REPORT NO.
330/62803-15	IMDIVIDUAL C	ALLEGATION  THERE IS STRONG RESENTMENT AGAINST BECHTEL AND ZACK OCMIDLAND. INSPECTORS ARE REFERRED TO AS TROUBLEMAKERS OR JOKE, DC SUPERVISOR FORCED OUT AFTER TRYING TO MAKE OCREET TO SWORN STATEMENT OF INDIVIDUAL C (PAGES 94-97). THIS ALLEGATION WAS CATEGORIZED AS AN UNDEFINED CONCERN (I.E. LACK OF SPECIFICITY) AND WAS ADDRESSED UNDER THE PMASE PROGRAM IN REPORT 83-08.	STRONG RESENTMENT AGAINST BECHTEL AND ZACK OC AT IMSPECTORS ARE REFERRED TO AS TROUBLEMAKERS OR AS A SUDERVISOR FORCED OUT AFTER TRYING TO MAKE OC STRONGER, SWORN STATEMENT OF INDIVIDUAL C (PAGES 94-97), GATION WAS CATEGORIZED AS AN UNDEFINED CONCERN IN OF SPECIFICITY AND WAS ADDRESSED UNDER THE FIVE	40 ZACK GC AT LEMAKERS OR AS A TO MAKE GC STRONGER BES 94-971. WED COMCERN UNDER THE FIVE		HAWKINS	83-08
330/85808-01	INDIVIDUAL F	ALLEGATION  IN THE INTRODUCTION TO THE INVESTIGATION (NRC INSPECTION ON ZACKI THE LIST OF DOCUMENTS APPLICABLE TO THE HVAC ACTIVITIES FAILED TO INCLUDE THE AMERICAN WELDING SOCIED-19 CODES REFERENCING THE WELDING OF GALVANIZED STEEL, BELIEVES THAT THIS SHOULD HAVE BEEN CHECKED SECAUSE THE CODES PROVIDE THE GALVANIZED STEEL WELDING REQUIREMENTS SHOULD HAVE BEEN CHECKED SECAUSE THE CODES PROVIDE THE GALVANIZED STEEL WELDING REQUIREMENTS SHOULD HAVE BEEN ENFORCED. CLOSED IN REPORT 83-08 (REFE INTRODUCTION SECTION AND SECTION II IND. F. WAS NOT SATWITH THE RESULTS OF 80-101 80-11. CLOSEOUT AND RESOLUTING CONCERNS ARE DOCUMENTED IN REPORTS 80-21.80-21. 80-22. 80-23. 80-24: 80-26. 80-27! AND 82-15. 82-15. INDIVIDUAL F'S AFFIDAVIT SENT TO OIA ON AUGUST 9:1983.	MIDLAND 2  ICTION TO THE INVESTIGATION (NRC INSPECTION 6  IST OF DOCUMENTS APPLICABLE TO THE HVAC  LLED TO INCLUDE THE AMERICAN WELDING SOCIETY  ERENCING THE WELDING OF GALVANIZED STEEL, HE  THIS SHOULD HAVE BEEN CHECKED SEEL, HE AN  THE GALVANIZED STEEL WELDING REQUIREMENTS THE  EN ENFORCED, CLOSED IN REPORT 83-08 (REFERENCE OF 80-10; 80-11; CLOSEOUT AND RESOLUTION  NOCUMENTED IN REPORTS 80-21; 80-22; 80-22; 80-26; 80-26; 80-27; 80-22; 80-26; 80-26; 80-27; 80-22; 80-26; 80-27; 80-27; 80-26; 80-27; 80-20; 80	IMD 2 LICABLE TO THE HYAC LICABLE TO THE THE THE LIN PEPONT B3-08 (REFERENCE LIND, F. MAS MOT SATISFIED CLOSEOUT AND RESOLUTION OF 180-21-80-21 80-22-80-23-11-15-81-15-15-180-2-1-180-2-180-2-1-180-2-1-180-2-1-180-2-1-180-2-1-180-2-1-180-2-1-180-2-1-180-2-1-180-2-1-180-2-1		HAWKINS	8C
330/82*06-02	INDIVIDUAL F	ALLEGATION  ME BELIEVES THAT THERE IS SOMETH  THE DISCUSSION OF ALLEGATION ONE ABOUT THE TRAVELERS FROM CHICAGO WHETHER OR NOT THEY WERE SCRAP.  PARTS WERE NOT ACTUALLY DISCARDER EVEN DEFECTIVE PARTS WERE BETWE		ING SIGNIFICANTLY MISSING IN ING SIGNIFICANTLY MISSING IN ZACK) NOT BEING ANNOTATED TO SHOW WE DISCOVERED THAT ALL SCRAPPED D. HE BELIEVES THAT MEANT THAT	2 0	HAWKINS	93-08

REGION III TRACKING SYSTEM PAGE 31 MIDLAND - ALLEGATIONS. INDIVIDUALS C. F. H. H. N. O. R. X. Y. Z. AND CC. ONE COPY FOR R. SPESSARD UPDATED 2/28/84 COMPLETE LISTING

	ITEM				RESOLUTION	
ITEM NO./ HESPONSE DUE	INSPECTOR/	ITEM TYPE/ BRIEF DESCRIPTION	FACILITY NAME	LICENSEE INTERI DESIGNATED NO. INSPEC		CLOSEOUT REPORT NO.
330/82+06-03	INDIVIDUAL F	DISCREPANCIES WITH THE KNOWLEDGE THE INITIALI NEVER A PART OF THE QC ORIGINAL ALLEGATIONS. TRAVELERS DOES NOT CON		BEST OF MIS THE TRAVELER WAS ME INITIATED THE HITIALING OF THE OF CURRENT	HAWKINS	83-08
330/62#06-04	INDIVIDUAL F	AND THAT THE PAINT OR DETERMINING THE SITE OF PIECES. HE BELIEVES THE	MERE COMPLETELY COVERED LACK OF IT WAS A RELIAS F FABRICATION AND QUEST IS MEANS THAT ZACK WAS UT TRACEABILITY OR QC I	WITH THICK PAINT ILE FACTOR IN TONABLE DUCT ABLE TO MAKE PIECES	MARKINS	83-08
130/02006-05	INSTALDUM: F	ALLEGATION	NIDLAND 2		HAWKINS	83-08

HE BELIEVES THAT ANOTHER SPECIFIC EXAMPLE OF OVERSIGHT IN THE NRC INSPECTION REPORT ON ZACK IS THE LACK OF FINDING FOR TRAVELER NUMBER VO3-428-F10171. HE CONTENDS THAT IT IS DIFFICULT TO UNDERSTAND WHY THE NRC WOULD ACCEPT THE WORD OF ZACK OVER THE BLACK AND WHITE DOCUMENT PROVIDED OF THEM. HE AUSO QUESTIONS WHETHER THE ITEM VO3-SH2-2-F9437 WAS ACTUALLY PHYSIGALLY SCRAPPED AND THE DATE IT WAS SCRAPPED. RESOLUTION SAME AS .10-00#S8

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	ITEN				RESOLUTION	
TEM NO./ RESPONSE DUE	INSPECTOR/ MODULE NO.	ITEM TYPE/ BRIEF DESCRIPTION	FACILITY NAME	LICENSEE INTERIM INSPECTION DESIGNATED NO. INSPECTION ASSIGNED	INSPECTOR IN ASSIGNED	CLOSEOUT REPORT NO.
330/82404-04	INDIVIDUAL F	ALLEGATION  CONCERNING THE FINDING ON ALLEGATION NUMBER & PERTAINING TO TRAVELER NUMBER V27-5H34-29-F4410 INRC INSPECTON REPORT ON ZACK) HE CONTENDS IMAT IN THE LIGHT OF ZACK'S RAMPANT MISLESSTATEMENTS TO THE NRC AND CONSUMERS POWER CO.* IT IS CURIOUN NOTE THAT NO FURTHER VERIFICATION WAS MADE, OTHER THAN A PAPERWORN REVIEW, TO INSURE THAT THE ITEM WAS NOT RETURNED. RESOLUT SAME AS B2406-01.	MIDLAND 2  WE THE FINDING ON ALLEGATION NUMBER & PERTAINING TO NUMBER V27-5H34-29-F4410 (NRC INSPECTON REPORT ON CONTENDS THAT IN THE LIGHT OF ZACK'S RAMPANT MISLEADING IS TO THE NRC AND CONSUMERS POWER CO., IT IS CURIOUS TO INDITION WAS MADE, OTHER THAN A REFIEW FUR THAT THE ITEM WAS IN FACT RETURNED. PERSONALLY THAT THE ITEM WAS NOT RETURNED. RESOLUTION BERNOG-01.	PERTAINING TO TON REPORT ON RAMPANT MISLEADING 11 IS CURIOUS TO THEN A IN FACT RETURNED. URNED. RESOLUTION	HAWKINS	83-08
339/82804-47	INDIVIDUAL F	ALLEGATION  IT IS MIS UNDERSTANDING THAT CONSUMERS POWER COMPANY NAD DECIDED TO FORGET OR IGNORE THE UNRESOLVED ITEMS REFERENCED INCAR MO-1 INRC INSPECTION REPORT ON ZACKI. HE BELIEVES THAT A LETTER SENT TO ZACK FROM CPCO IN WID-FEBRUARY CONGRATULATING THEM ON A CLEAN BILL OF HEALTH AND AUTHORIZING ZACK TO CONTINUANFETTERED WITH THEIR OWN REPAIR PROGRAM. HE REMAINS UNCONVINTHAT 180% OF ALL ZACK WELDS WERE REINSPECTED. RESOLUTION SAME AS \$2806-01.	ANDING THAT CONSUMERS POWER COMPANY HAD OR IGNORE THE UNRESOLVED ITEMS REFERENCED IN SPECTION REPORT ON ZACK), HE BELIEVES THAT A LIX FROM CPCD IN WID-FERRUARY CONGRATULATING HELD OF MEALTH AND AUTHORIZING ZACK TO CONTINUE HELD OWN REPAIR PROGRAM, HE REMAINS UNCONVINCE ZACK WELDS WERE REINSPECTED, RESOLUTION	UMERS POWER COMPANY MAD MRESOLVED ITEMS REFERENCED IN ALL SOLVED ITEMS REFERENCED IN ALL SOLVED ITEMS RELIEVES THAT A ALTHORIZING ZACK TO CONTINUE PROGRAM, HE REMAINS UNCONVINCED REIMSPECTED. RESOLUTION	MANKINS	
330/82606-08	INDIVIDUAL F	ALLEGATION  ON TRAVELER NUMBER V26-5H28-46,1-PISIS HE DOES NOT SEE WHERE THE DEEPER PROBLEM EVIDENT FROM THE NRC FINDING IS ADDRESSED THE NRC INSPECTION REPORT ON ZACK, HE SATS THAT IT APPEARS TH ZACK OPERATED UNDER THE ASSUMPTION THAT FIELD TESTING FOR 6AS TIGHTNESS WOULD PRECLUDE VISUAL INSPECTION, HE SATS THIS IS N ALLOWED PER APPLICABLE CODES AND IT IS IMPOSSIBLE TO PERFORM 100% INSPECTION AFTER INSTALLATION, RESOLUTION SAME AS	RIDLAND 2  ER V26-5H28-46.1-PISIS ME DOES NOT SEE WHERE IGN KEVIDENT FROM THE MRC FINDING IS ADDRESSED 87  IGN KEPORT ON ZACK. HE SATS THAT II APPEARS THAT PRECLUDE VISUAL INSPECTION. HE SATS THIS IS NOT AFTER INSTALLATION. RESOLUTION SAME AS	IS WOT SEE WHERE AND IS ADDRESSED BY ANT IT APPEARS THAT TESTING FOR GAS WE SATS THIS IS NOT SIBLE TO PERFORM ON SAME AS	MAWK INS	***

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- ALLEGATIONS.
FASE 33

	1168				*	RESOLUTION	
TIEN NO./ RESPONSE DUE	INSPECTOR/ MODULE NO.	ITEM TYPE/ BRIEF DESCRIPTION	FACILITY NAME	ICENSEE INTERIN	80	INSPECTOR ASSIGNED	CLUSEOUT REPORT NO.
330/82806-09	INDIVIDUAL F	ALLEBATION  ME MAS A SIGNIFICANT DISCRE IN WRC INSPECTION REPORT ON TO MAYE THE IDENTICAL SAME AS FOR THE ORIGINATION OF I ACCORDING TO PROCEDURE A DI WELDERS DOING THE REPAIRS. FOR REGULAR INSPECTORS AFTE RESOLUTION SAME AS B2806-01	MIDLAND PAMCY WIT 126X, II MATERIAL ME ITEM, FFERENCE MATERIAL R CERTAIN	H ITEM SIA) (ALLEGATION S)  H IS PRACTICALLY IMPOSSIBLE AVAILABLE FOR ONSITE REPAIR EVEN IF REPAIRS WERE EXACTLY WOULD COME WITH INDIVIDUAL TRACEABILITY AND REQUIREMENT PRASES OF REPAIR IS LOST.	1	MARK INS	9-0
334/82#08-18	INDIVIDUAL F	ALLEGATION  ME SAYS THAT IN 175 CONCLUSI  MNC BLATENTLY DISAEGAROS THE TRACEABILITY AND DOCUMENTATI  MESOLUTION SAME AS BERNG-01.	MIDLAND 2 ON OF FINDING FOR REQUIREMENTS FOR ON. 14RC INSPECTIO	ALLEGATION 10 THE MATERIAL ON REPORT ON ZACK).	1	NAWE INS	89-68
336/62406-11	INDIVIDUAL F	ALLEGATION  ME SAYS THAT THE WAC WAS INCOMPECT IN THE FINDING ON ALLEGATION SID: FOR WHICH CPCD PAID 3500 DOLLARS FOR NOT HAVING CARGON DIGHIDE AVAILABLE FOR USE AS A SHIELDED GAS. ME BELIEVES THAT CAMBON DIGHIDE WAS ALWAYS AVAILABLE ON THE SITE. RESOLUTION SAME AS B2#06-01.	MIDLAND 2 INCORPECT IN THE FINDING ON ALLEGATION 350V DOLLARS FOR NOT HAVING CARBON E AS A SHIELDED GAS. ME BELIEVES THAT S AVAILABLE ON THE SITE. RESOLUTION	ING ON ALLEGATION HAVING CARBON E BELIEVES THAT E. RESOLUTION	1	NAME INS	83-68
334/82*34-12	INDIVIDUAL F	ALLEGATION  REGAMDING ALLEGATION 13 (NHC RE COMPLETELT FAILS TO ADDMESS INE ARE NOT DOCUMENTED WITH RESPECT THAT A NONCOMFORMANCE REPORT OR SUBSTITUTES INE REQUIREMENT FOR COMPOMENT'S DOCUMENT, RESOLUTIO	MIDLAND 2 REPORT ON ZACK) INE FACT THAF ALL CT TO INDIVIDUAL ON HOLD REPORT : TOR NOTATION OF 8 ION SAME AS 8288	HE SATS THE NRC L ASPECTS OF REPAIR L THANFLERS, HE SATS IN NO MAY REPAIRS ON EACH 186-01.	1	Sal Janes	8-cs

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TTEN NO./ RESPONSE DUE	INSPECTOR/ MODULE NO.	ITEM TYPE/ BALEF DESCRIPTION	FACILITY NAME	LICENSEE DESIGNATED NO.	INTERIM INSPECTION	INSPECTOR ASSIGNED	CLOSEOUT REPORT NO.
336/42404-13	IMDIVIDUE, F	ALLEGATION  REGARDING ALLEGATION IS HE MAS OF WELDING AND ISSUE ROOM (MAS OF WELDING ROOF STATE INVESTIGATION IS HE RESTAURED THERE HIS ALLEGATIONS, HE RETAILED THE NAC'S OWN FINDING AND RESOURCE OF FINDING AND RESOURCE OF SAME AS SERVED AND AS RESOURCE AS SERVED.	LANG CONCE CONC CONC	PASS WITH STATEMENTS ABOUT ALORITY OF THE TIME ME ED ONLY AFTER WHC CAME TO 1 DRYIDUS CONTRADICTIONS THE WELDING ROD SITUATION. LATER MRC REPORT STATEMENTS		sease las	*
236/42996-14	INDIVIDUE, F	ALLEGATION  ME SATS THAT THE NRC REPORT STATEMENT TO ME THAT AFRAGAL TO-18 800 NAD BEEN RECEIVED BY ZACK WAS THAT THE ROD NAD COMSIDER THIS AN ACCEPTABLE RESOLUTION SAME AS RERBEED	AIDLE TAILED TAI	TO MENTION NON COOK'S 18.888 POUNDS OF NONCOMFORMING IT THE ONLY EXPLANATION OFFENEI EN INSDRY AWAY, HE DOES NOT E TO ALLEBATION 15.	20	MARK INS	80-CI
330/85806-15	INDIVIDUAL F	ALLEGATION ME SATS THAT THE NBC. IN DAMPCRS (ALLEGATION 16). INDIVIDUAL SERIAL NUMBERS DAMPERS. RESOLUTION SAME	MIDLAND 2 WRC. IN THE PROBLEM SUBBOUNDING RUSKIN FIRE DN 181: FAILED TO REALIZE FMAT REQUIRED NUMBERS ARE NOW-EXISTENT ON THE ACTUAL FIR	MOING RUSKIN FIRE FAMT REQUIRED ON THE ACTUAL FIRE		NAME INS	**-
335/42896-16	INDIVIDUAL P	ALLEGATION  IN RESARDS TO ALLEGATION 20 ME FOUND WOTHING IN THE FIN  CHECK WAS MADE TO ASSUME INACCURATE TRAVELERS WERE NOT  REPLACED ASIDE FROM ASKING THREE MENTIONED INSPECTORS.  BELIEVES A SIMPLE REVIEW WOULD REVEAL THE CONTRART, ME  CONCERNED ABOUT MATERIAL TRACEABILITY OF MEW WATERIAL,  WELDER IDENTIFICATION, RESOLUTION SAME AS REPOSS-01.	#IDLAND 2 ESATION 20 ME FOUND WOTHING IN THE FINDINGEN FOR THIS ALLEGATION TO INDICATE THAT A SSUME INACCURATE TRAVELERS WERE NOT PEIN REVIEW WOULD REVEAL THE CONTRART, HE IS A MERSIAL TRACEASILITY OF MEN MATERIAL AND TION. RESOLUTION SAME AS 82805-01.	OTHING IN THE FINDING ON TO INDICATE THAT A AVELERS WERE NOT PEING ONED INSPECTORS, ME THE CONTRART, ME IS ALSO OF NEW MATERIAL AND AS 82806-01.		Sec 145	***

25 ALESATIONS. INDIVIDUALS C. F. M. M. D. R. I. T. Z. AND CC. DWE COPT FOR M. SPESSAND UPDALED 2/28/84	95/
NO - ALLEGATIONS. INDIVIDUALS C. F. M. M. N. O. R. I. T. Z. AND CC. DWE COPT FOR R. SPESSA	POLICO 2/28/84
NO - ALLESATIONS. INDIVIDUALS C. F. M. M. N. O. R. I. T. Z. AND COMM. STEELS INSTITUTE.	•
NO - ALLESATIONS. INDIVIDUALS C. F. M. M. N. O. R. I. T. Z. AND COMPANY LISTING	100 F FOR 8.
NO - ALLESATIONS. INDIVIDUALS C. F. N. N. N. O. R. I. T. Z. A. COMPATIT LISTING.	CC. DWE
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HESPONSE OUE	INSPECTOR/ MODULE NO.	1764 TYPE/ BALEF DESCRIPTION	FACILITY NAME	LICENSEE DESIGNATED NO.	INTERIM INSPECTOR	INSPECTOR ASSIGNED	CLOSEOUT REPORT NO.
334/82484-17	INDIVIDUAL, F	REGARDING ALLEGATION  REGARDING ALLEGATION 21. CONCERNING POSTABLE WELD HOD CARRIER CALIBRATION STICKERS. HE BELIEVES THAT THE FINDING INNC REPORT ON ZACK! DIS NOT REVEAL THE FACT THAT THE EQUIPMENT FOR CALIBRATION ANT OF THE CARRIERS WAS INSUFFICIENT. HE CONSIDERS ANT AND ALL SUCH UNITS TO THUS BE OUT OF CALIBRATION.  RESOLUTION SAME AS BERDS—01.	MIDLAND 2  ILOM 21. COMCERNING PONTABLE WELD HOD CARRIER ERS. HE BELLEVES THAT THE FINDING INDC REPOR REVEAL THE FACT THAT THE EQUIPMENT FOR UNITS TO THUS BE DUT OF CALIBRATION.	F WELD MOD CARRIER FINDING INSC REPORT EQUIPMENT FOR ICIENT, ME CONSIDERS LISMATION.		redent [165	
330/92806-18	INDITIONAL P	ALLEGATION  WE SAYS THAT THE WRC DEPORT ON ZACK DOES NOT MENTION THE AMBLE IRON DIMENSION DISCREPANCIES FOR PART MUMBE VI-3 MAYE BEEN RESOLVED. RESOLUTION SAME AS 82806-01.	MIDLAND 2 MRC DEPORT ON ZACK DOES NOT MENTION HOW OR IF IMENSION DISCREPANCIES FOR PART NUMBER F-916, ESOLVEU. MESOLUTION SAME AS 82006-01.	MENTION HOW OR IF RT NUMBER F-916. 2#06-81.		HANKINS	83-68
338/82818-18	INDIVIDUAL F	ALLEGATION  WE SAYS THAT IN PEGABOS TO A FACT THAT A COPY OF THE AUDI WIDLAND SEVERAL DATS BEFORE REPORT ON ZACKI. RESOLUTION	RESOLUTION SAME AS SERVED THE WESSOLUTION OF THE WORL OVERLOCKED THE NATS BEFORE THE ACTUAL AUDIT TOOK PLACE. INRC	WAS SENT TO MAS SENT TO TOOK PLACE, INRC		MANK INS	89-68
136/62106-41	INDIVIDUAL N	ALLEGATION  COMSUMERS POWER (BECMTEL) WAS NOTIFIED OF ZACK INCOMSISTENCIES BY LETTER DATED AUGUST 28, 1961 (7220-M-151), CALKINS TO DAVIS, REF; CORRECTIVE ACTION REQUEST (CAR) 014, (EMHIBIT 2), SEE REPORT 83-08 SECTION I FOR RESOLUTION (50,551E) VIOLATION), INDIVIDUAL H*S AFFIDAVIT AND SWORN STATEMENT SENT TO 01A AND 01 ON AUG, 9/31 AND AUG, 30,1983, RESPECTIVELY.	MIDLAND 2  (BECHTEL) WAS WOTIFIED OF ZACK INCOMSISTENCIES AUGUST 28. 1981 (7220-M-151). CALKINS TO DAVIS. ACTION REQUEST (CAR) 014. (EMHIBIT 2). SEE TION I FOR RESOLUTION (50.55/E) VIOLATION). FFIDAVIT AND SWORN STATEMENT SENT TO 01A AND 01 AUG. 30.1983. RESPECTIVELY.	P. OF ZACK INCONSISTENCIES -M-151), CALKINS TO DAVIS 014, (EXHIBIT 2), SEE (50.55/E) VIOLATION), ATEMENT SENT TO 01A AND O		SMI MARK INS	83-08

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REGION III TRACKING SYSTEM

MIDLAND - ALLEGATIONS. INDIVIDUALS C. F. H. M. N. D. R. X. Y. Z. AND CC. ONE COPY FOR R. SPESSARD UPDATED 2/28/84

COMPLETE LISTING

	ITEM					RESOLUTION	
ITEM NO./	INSPECTOR/	ITEM TYPE/ GRIEF DESCRIPTION	FACILITY NAME	LICENSEE DESIGNATED NO.	INTERIM INSPECTION	INSPECTOR ASSIGNED	CLOSEOUT REPORT NO.
30/82#08-02	INDIVIDUAL H	ALLEGATION	MIDLAND 2			RIV	82-02
6.		MIDLAMO QA CONTRACT EM TRAINING FORM. PERSONN (EXHIBIT 5) (CHECK APP PERSONNEL). (EXHIBIT 5 ALLEGATIONS 2 AND 4 FO REPORT 83-08 PROVIDES COMPONENTS ARE ADEQUAT MATERIALS AND THE QA P	LICABILITY OF THIS TO 1. SEE REPORT C9990078! R RESOLUTION. ASSURANCE THAT HYAC SY! FLY DESIGNED AND CONST!	TACK SITE 6/82-02 (RIV) STEMS AND RUCTEDS THAT			
330/82#08-03	INDIVIDUAL H	PA DECUTE! 17	MIDLAND 2  OR DISCREPANCIES IN INT (220-M-151-C/8-548) ON (1811 7). RESOLUTION SA	10-03-01		HAWKINS	83-08
330/82008-04	INDIVIDUAL H	ALLEGATION	MIDLAND 2			HANKINS	83-08
		THIRD INTERIM REPORT ( BECHTEL 10-23-81 (7220 12, AND 15. RESOLUTION	ON DISCREPANCIES (10-23 )-M-151-C/B-552) . (EXHI V SAME AS 82#08-01.	-81) SENT TO BIT 8) PGS. 3. 6.	9.		
330/82008-05	INDIVIDUAL H	ACLEGATION	HIDLAND 2			HAWKINS	83-08
		QUESTIONABLE BECHTEL IL	ENGINEERING ANALYSIS OF E. 12-21-81. (EXHIBIT )	ZACK DISCREPANCION  1). RESOLUTION	ES.		
330/82008-06	H JAUCIVIONI	ALLEGATION	MIDLAND 2			HAWKINS	83-08

INDIVIDUAL STATED THAT CALKINS HAD CALLED H. LEONARD AT MIDLAND (PG 14 OF AFFIDAVIT). RESOLUTION SAME AS 82#08-01.

Shirt des

HAWKINS

83-08

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REGION III TRACKING SYSTEM

MIDLAND - ALLEGATIONS, INDIVIDUALS C. F. H. M. N. O. R. X. Y. Z. AND CC. ONE COPY FOR R. SPESSARD UPDATED 2/28/84

COMPLETE LISTING

RESOLUTION ITEM ITEM NO./ INSPECTOR/ ITEM TYPE! FACILITY NAME LICENSEE INTERIM INSPECTOR CLOSEOUT BRIEF DESCRIPTION DESIGNATED NO. INSPECTION ASSIGNED REPORT NO. RESPONSE DUE MODULE NO. MIDLAND 2 HAWKINS 83-0R 330/82#08-07 INDIVIDUAL H ALLEGATION BECHTEL HAD KNOWLEDGE OF ZACK MATERIAL BEING SHIPPED TO THE SITE IN NONCONFORMING CONDITION. LETTER DAVIS TO EICHSTAEDT. 11-05-80 (EXHIBIT 15). RESOLUTION SAME AS 82#08-01. RIV HIDLAND 7 82-02 330/82#08-08 INDIVIDUAL H ALLEGATION EXAMPLES OF FALSIFIED TEST REPORTS. ONE COPY PRIOR TO FALSIFICATION. ONE COPY AFTER. STICKERS WERE DATED 11-06-80 BUT REQUEST FOR U.S. STEEL TO UPGRADE LEST REPORTS NOT MADE BEFORE 01-23-81. (EXHIBIT 17) (EXHIBIT 16). SEE REPORT C99900785/82-02 (RIV) ALLEGATIONS 8.9. AND 10 FOR RESOLUTION. ALSO OI REPORT 3-83-425. REPORT 83-08 PROVIDES ASSURANCE THAT HVAC SYSTEMS AND COMPONENTS ARE ADEQUATELY DESIGNED AND CONSTRUCTED! THAT MATERIALS AND THE QA PROGRAM UTILIZED WERE ADEQUATE. HIDLAND 2 RIV 82-02 INDIVIDUAL H ALLEGATION 330/82#08-09 U. S. STEEL LETTER PETERS TO HAGEN. 09-21-81. IDENTIFYING 26 PO'S THAT WERE NOT ORIGINALLY ORDERED "SAFETY-RELATED". (EXHIBIT 20). SEE REPORT C99900785/82-02 (RIV) ALLEGATION 11 AND RIII REPORT 83-08 SECTIONS IV AND V FOR RESOLUTION. NRC MATERIAL TESTING INCLUDED SIX SAMPLES OF U.S. STEEL MATERIAL. REPORT 83-08 PROVIDES ASSURANCE THAT HVAC SYSTEMS AND COMPONENTS ARE ADEQUATELY DESIGNED AND CONSTRUCTED! THAT MATERIALS AND THE GA PROGRAM UTILIZED WERE ADEQUATE.

ZACK AUDIT OF EDGECOMB METALS IDENTIFIES UNACCEPTABLE 2A PROGRAM (EXHIBIT 21). DETERMINE IF EDGECOMB PRODUCTS WERE USED AT MIDLAND. SEE ALSO EXHIBITS 43. NRC ID02. SEE REPORT 83-08 SECTIONS IV AND V. NRC MATERIAL TESTING INCLUDED 10 SAMPLES OF EDGECOMB MATERIAL. REPORT 83-08 PROVIDES ASSURANCE THAT HVAC SYSTEMS AND COMPONENTS ARE ADEQUATELY DESIGNED AND CONSTRUCTED! THAT MATERIALS AND THE QA PROGRAM UTILIZED WERE ADEQUATE.

MIDLAND 2

1 1.2% w.

330/82#08-10

INDIVIDUAL H

ALLEGATION

82-02

UPDATED 2/29/84

RIV

REGION III TRACKING SYSTEM MIDLAND - ALLEGATIONS, INDIVIDUALS C. F. H. M. N. O. R. X. Y. Z. AND CC. ONE COPY FOR R. SPESSARD PAGE 38 COMPLETE LISTING

RESOLUTION ITEM INSPECTOR CLOSEOUT INTERIM FACILITY NAME LICENSEE TTEM TYPE! INSPECTOR/ ITEM NO./ REPORT NO. DESIGNATED NO. INSPECTION ASSIGNED BRIEF DESCRIPTION RESPONSE DUE MODULE NO. 82-02 RIV MIDLAND 2 ALLEGATION INDIVIDUAL H 330/82#08-11 ZACK REMOVES DELTA SCREW (DS) COMPANY FROM APPROVED VENDOR LIST ON 10-20-81 (EXMIBIT 24) & HOWEVER, 38 POSS SENT TO DS DURING THE TIME THEY WERE SUPPOSEDLY REMOVED FROM LIST. (EXHIBIT 25). DETERMINE IF US MATERIAL WAS USED AT MIDLAND. SEE REPORT C99900785/82-02 (RIV) ALLEGATIONS 7 AND 13 FOR RESOLUTION. REPORT 83-08 PROVIDES ASSURANCE THAT HVAC SYSTEMS AND COMPONENTS ARE ADEQUATELY DESIGNED AND CONSTRUCTED! THAT MATERIALS AND THE GA PROGRAM UTILIZED WERE ADEQUATE. RIV 82-02 MIGLAND 2 INDIVIDUAL H ALLEGATION 330/82#08-12 QUALIFICATIONS OF ZACK GA/QC PERSONNEL QUESTIONABLE (EXHIBIT 26). DETERMINE IF ZACK PERSONNEL AT MIDLAND ARE QUALIFIED. SEE REPORT C99900785/82-02 (RIV) ALLEGATIONS 2 AND 4 FOR RESOLUTION. ALSO REPORT 83-08 SECTIONS II AND III. REPORT 83-08 PROVIDES ASSURANCE THAT HVAC SYSTEMS AND COMPONENTS ARE ADEQUATELY DESIGNED AND CONSTRUCTEDS THAT MATERIALS AND THE GA PROGRAM UTILIZED WERE ADEQUATE. RIV 82-02 MIDLAND 2 ALLEGATION INDIVIDUAL H 330/82#08-13 CERTIFICATION OF TEST RESULTS (EXHIBIT 27A) ENSURES MATERIAL DRDERED ON PO C-1253 WAS SUBJECT TO TESTING. PO C-1253 IS ON U.S.S. LIST AS NON SR (EXHIBIT 20). SEE REPORT C99900785/ A2-02 (RIV) ALLEGATION 11 FOR RESOLUTION. REPORT 83-08 PROVIDES ASSURANCE THAT HVAC SYSTEMS AND COMPONENTS ARE ADEQUATELY DESIGNED AND CONSTRUCTED! THAT MATERIALS AND THE QA PROGRAM UTILIZED WERE ADEQUATE.

> ZACK PRESIDENT DOES GA REVIEW (EXHIBIT 27A AND B) 02-23-81. NOT TRAINED UNTIL 08-31-81 (EXHIBIT 28). SEE REPORT C99900785/ 82-02 (HIV) ALLEGATION & FOR RESOLUTION. REPORT 83-08 PROVIDES ASSURANCE THAT HVAC SYSTEMS AND COMPONENTS ARE ADEQUATELY DESIGNED AND CONSTRUCTED! THAT MATERIALS AND THE GA PROGRAM UTILIZED WERE ADEQUATE.

MIDLAND 2

ALLEGATION

INDIVIDUAL H

ited to

330/82#08-14

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REGION III TRACKING SYSTEM

MIDLAND - ALLEGATIONS, INDIVIDUALS C, F, H, No N, O, R, X, Y, Z, AND CC, ONE COPY FOR R. SPESSARD UPDATED 2/28/84

COMPLETE LISTING

	1TEM				RESOLUTION	
ITEM NO./ RESPONSE DUE	INSPECTOR/	ITEM TYPE/ BRIEF DESCRIPTION	FACILITY NAME	LICENSEE INTERIM DESIGNATED NO. INSPECTION	INSPECTOR ASSIGNED	CLOSEOUT REPORT NO.
330/82#08-15	INDIVIDUAL H	ALLEGATION	MIDLAND 2		HAWKINS	83-08
			OF 11-03-81 (EXHIBIT 29 RESOLUTION SAME AS 82#0			
330/82#08-16	INDIVIDUAL H	ALLEGATION	MIDLAND 2		RIV	82-02
		C4484-NCR-M-110. NO MANUFACTURER. BECHTEL B. C). (EXHIBIT 31). 82-02 (RIV) ALLEGATIO REPORT 83-08 PROVIDES COMPONENTS ARE ADEQUA	IDENTIFIED AS NONCONFORMARKS ON BOLTHEADS TO IDE CLEARED FOR USE WITHOUT AND (EXHIBIT 32). SEE RE ON 7 FOR RESOLUTION. SASSURANCE THAT HVAC SYS TELY DESIGNED AND CONSTR PROGRAM UTILIZED WERE AD	NTIFY BASIS (EXHIBIT 20A, PORT C99900785/ T( 43 AND UC.ED) THAT		
330/82#08-17	INDIVIDUAL H	ALLEGATION	MIDLAND 2		HAWKINS	83-08
		ALLEGATIONS FOR CRED! METHODOLOGY SECTIONS	TION (APRIL 15, 1980) OF BILLITY. SEE REPORT 93-03 AND AUGUST 30, 1983 LETT TED TO OI INVESTIGATIONS (-057).	(BACKGROUND AND ER TO OI FROM		
330/82#08-18	INDIVIDUAL H	ALLEGATION	MIDLAND 2		RIV	82-02

DETERMINE IF WELDSTAR WAS INVOLVED IN SUPPLYING WELD MATERIAL TO MIDLAND. (EXHIBIT 41). IF SO. DETERMINE IF CERTS EXIST FOR MATERIAL PURCHASED IN 1978 OR PRIOR TO THAT DATE. SEE REPORT C99900785/82-02 (RIV) ALLEGATION 10 FOR RESOLUTION. REPORT 83-08 PROVIDES ASSURANCE THAT HVAC SYSTEMS AND COMPONENTS ARE ADEQUATELY DESIGNED AND CONSTRUCTED! THAT MATERIALS AND THE QA PROGRAM UTILIZED WERE ADEQUATE.

Joseph Way

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REGION III TRACKING SYSTEM PAGE 40 MIDLAND - ALLEGATIONS. INDIVIDUALS C. F. H. M. N. O. R. X. Y. Z. AND CC. ONE COPY FOR R. SPESSARD UPDATED 2/28/84 COMPLETE LISTING

	ITEM					RESOLUTION	
ITEM NO./ RESPONSE DUE	INSPECTOR/ MODULE NO.	ITEM TYPE/ BRIEF DESCRIPTION	FACILITY NAME	LICENSEE DESIGNATED NO.	INTERIM INSPECTION	INSPECTOR ASSIGNED	CLOSEOUT REPORT NO.
330/82#08-19	INDIVIDUAL H	ALLEGATION	MIDLAND 2			RIV	82-02
		BREAKDOWN (EXHIBIT 42) RESOLUTION SAME AS 82#	9-10-81) IDENTIFIES SIG . DETERMINE APPLICABILI 08-01. (BASIS FOR ZACK) ON CERTIFICATION DEFIC	TY TO MIDLAND.			
330/82#08-20	INDIVIDUAL H	ALLEGATION	MIDLAND 2			RIV	82-02
		APPLICABILITY TO MIDLA C99900785/82-02 (RIV) REPORT 83-08 PROVIDES COMPONENTS ARE ADEQUAT	N ON C4406 FOR POSSIBLE ND (EXHIBIT 43, NRC ID ALLEGATION 7 FOR RESOLU ASSURANCE THAT HYAC SYS ELY DESIGNED AND CONSTR ROGRAM UTILIZED WERE AD	OII. SEE REPORT			
330/83#03-01	INDIVIDUAL M	ALLEGATION	MIDLAND 2			RIV	95-05
		STANDARDS AND MISSING ALTERATIONS WERE IDENT SUPPLIED TO THE UTILIT HE WOULD RATHER CLASSI SEE REPORT C99900785/8 REPORT 3-82-025 FOR RE REPORT 83-08 PROVIDES COMPONENTS ARE ADEQUAT	RESOLVE THE LACK OF PRO AUTHENTICATION SIGNATUR IFIED IN THE INTERIM RE IES FOR A SIGNIFICANT OF FY THE ALTERATIONS AS P 2-02 (RIV) ALLEGATIONS SOLUTION. ASSURANCE THAT HVAC SYS ELY DESIGNED AND CONSTR ROGRAM UTILIZED WERE AC	RE. THESE DOCUMENT PORTS ZACK EVENT DISCLOSURE. FORGERIES. B AND 9 AND OI STEMS AND RUCTED! THAT			
330/83#03-02	INDIVIDUAL M	ALLEGATION	HIDLAND 2			RIV	62-02

SCATTERED AND MISSING PURCHASE ORDERS AND RELATED DOCUMENTATION WERE CONTINUALLY INCLUDED IN THE PURCHASE ORDER FOLDERS WITHOUT BEING LOGGED INTO THE DOCUMENT CONTROL LOG BOOK AS REQUIRED. SEE REPORT C99900785/82-02 (RIV) ALLEGATION 5 FOR RESOLUTION. REPORT 83-08 PROVIDES ASSURANCE THAT HVAC SYSTEMS AND COMPONENTS ARE ADEQUATELY DESIGNED AND CONSTRUCTED! THAT MATERIALS AND THE GA PROGRAM UTILIZED WERE ADEQUATE.

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REGION III TRACKING SYSTEM PAGE 41 MIDLAND - ALLEGATIONS. INDIVIDUALS C. F. H. M. N. O. R. X. Y. Z. AND CC. ONE COPY FOR R. SPESSARD UPDATED 2/28/84 COMPLETE LISTING

	TTEM					RESOLUTION	
ITEM NO./ RESPONSE DUE	INSPECTOR/ MODULE NO.	ITEM TYPE/ BRIEF DESCRIPTION	FACILITY MANE	LICENSEE DESIGNATED NO.	INTERIM INSPECTION	INSPECTOR ASSIGNED	CLOSEOUT REPORT NO.
330/83#03-03	INDIVIDUAL M	ALLEGATION  PURCHASE ORDERS WERE IN  (RIV) ALLEGATION 11 FOR  REPORT 83-08 PROVICES A	RESOLUTION.	YSTEMS AND		RIV	82-02
330/83#03-04	INDIVIDUAL M	COMPONENTS ARE ADEQUATE MATERIALS AND THE QA PER ALLEGATION  INABILITY OF SUBTIER VECTOR RESOLUTION.  REPORT 83-08 PROVIDES ACCOMPONENTS ARE ADEQUATE MATERIALS AND THE QA PER ADEQUATE MATERIALS AND THE QUATE MATERIALS AND THE QA PER ADEQUATE MATERIALS AND THE QUATE MATERI	MIDLAND 2 ENDORS TO SUPPLY MISS 2-02 (RIV) ALLEGATION ASSURANCE THAT HVAC S ELY DESIGNED AND CONS	ING INFORMATION. S 6.7.10 AND 11 TYSTEMS AND TRUCTED! THAT		RIV	82-02
330/83#03-05	INDIVIDUAL M	ALLEGATION  AN APPROVED VENDORS LIST PURCHASING PRACTICES. S ALLEGATIONS 12 AND 13 PREPORT 83-08 PROVIDES COMPONENTS ARE ADEQUATE MATERIALS AND THE QA PROVIDES OF THE PROPERTY OF THE PROPERT	SEE REPORT C99900785/ FOR RESOLUTION. ASSURANCE THAT HVAC S ELY DESIGNED AND CONS	92-02 (RIV) YSTEMS AND TRUCTED! THAT		RIV	65-05
330/83#03-06	INDIVIDUAL M	ALLEGATION	MIG. AD S			HAWKINS	83-08

THE PURCHASE ORDER FOR MATERIAL SUPPLIED TO MIDLAND WOULD READ LASALLE. SEE LASALLE REPORTS 373/82-511374/82-18 FOR RESOLUTION. REPORT 83-08 PROVIDES ASSURANCE THAT HVAC SYSTEMS AND COMPONENTS ARE ADEQUATELY DESIGNED AND CONSTRUCTED! THAT MATERIALS AND THE GA PROGRAM UTILIZED WERE ADEQUATE.

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REGION III TRACKING SYSTEM MIDLAND - ALLEGATIONS. INDIVIDUALS C. F. H. M. N. D. R. X. Y. Z. AND CC. ONE COPY FOR R. SPESSARD UPDATED 2/28/84 COMPLETE LISTING

	ITEM					RESOLUTION	
TEM NO./	INSPECTOR/ MODULE NO.	ITEM TYPE/ BRIEF DESCRIPTION	FACILITY NAME	LICENSEE DESIGNATED NO.	INTERIM INSPECTION	INSPECTOR ASSIGNED	CLOSEOUT REPORT NO
30/83#03-07	INDIVIDUAL M	ALLEGATION	MIDLAND 2			RIV	65-05
		AN OCTOBER 9, 1981 REP CERTIFICATIONS! (2) WH NUMBERS ALTERED TO AGR 83-08 SECTION I. C9990 AND OI 3-82-025 FOR RE REPORT 83-08 PROVIDES COMPONENTS ARE ADEQUAT MATERIALS AND THE QA P	ITE-OUT USED AND RETYPE EE WITH CERTIFICATIONS, 0785/82-02 (RIV) ALLEG SOLUTION. ASSURANCE THAT HVAC SYSELY DESIGNED AND CONST	REFER TO REPORTS TIONS 8 AND 9. STEMS AND			
30/83#03-08	INDIVIDUAL M	ALLEGATION	MIDLAND 2			RIV	82-02
		REMOVING QUALITY DOCUM REPORT C99900785/82-02 REPORT 83-08 PROVIDES	RS IN BOXES. EVEN AFTER	R THE DOCUMENT RIZED PERSONNEL WE HEM OUT. REFER TO ND 5 FOR RESOLUTIO STEMS AND RUCTED! THAT	RE		
330/83#03-09	INDIVIDUAL M	ALLEGATION	MIDLAND 2			RIV	82-02
		DOCUMENTED EVIDENCE TH ACTION AND THAT THE UT THESE INTERIM REPORTS CONTINUALLY REVISED TO SEE HEPORTS C99900785/ SECTION I (50.55(E)) F REPORT 83-08 PROVIDES COMPONENTS ARE ADEQUAT	RODUCED ON A RUSH BASI AT ZACK WAS IMPLEMENTI ILITIES COULD PROCEED WERE INACCURATE AND SH REFLECT AN ACCURATE S 82-02 (RIV) ALLEGATION OR RESOLUTION. ASSURANCE THAT HVAC SY PROGRAM UTILIZED WERE A	NG CORRECTIVE  JITH CONSTRUCTION.  OULD HAVE BEEN  TATUS REPORT.  16 AND 83-08  STEMS AND  RUCTED! THAT			
						HAMPING	93-09

330/83#03-10 ALLEGATION INDIVIDUAL M

the way

MIDLAND 2

HAWKINS

83-08

AN OCTOBER 23. 1981 REPORT ACCURATELY IDENTIFIED PROBLEMS WITH MATERIAL CENTIFICATIONS, IMPROPER ACCESS TO DOCUMENTS, AND UNAUTHORIZED DOCUMENT ALTERATIONS. RESOLUTION SAME AS 82#08-01.

REGION III TRACKING SYSTEM PAGE 43 MIDLAND - ALLEGATIONS. INDIVIDUALS C. F. H. M. N. O. R. X. Y. Z. AND CC. ONE COPY FOR R. SPESSARD UPDATED 2/28/84 COMPLETE LISTING

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	ITEM					RESOLUTION	
ITEM NO./ RESPONSE DUE	INSPECTOR/ NODULE NO.	ITEM TYPE/ BRIEF DESCRIPTION	FACILITY NAME	LICENSEE DESIGNATED NO.	INTERIM INSPECTION	INSPECTOR ASSIGNED	CLOSEOUT REPORT NO.
330/83#04-01	INDIVIDUAL N	ALLEGATION	MIDLAND 2			RIV	82-02
		I MAD VIRTUALLY NO FORE C99900785/82-02 (RIV) REPORT 83-08 PROVIDES COMPONENTS ARE ADEQUATE MATERIALS AND THE QA P	ALLEGATION 4 FOR RESOLU ASSURANCE THAT HVAC SYS ELY DESIGNED AND CONSTR	TION. TEMS AND UCTEDS THAT			
330/83#04-02	INDIVIDUAL N	ALLEGATION	MIDLAND 2			RIV	82-02
		REPRODUCED COPIES WERE DISCREPANCIES INCLUDED WHICH HAD BEEN WHITED-SEE REPORT C99900785/8. REPORT 3-82-025 FOR REPORT 63-08 PROVIDES COMPONENTS ARE ADEQUATE MATERIALS AND THE QAP	FREQUENT SPACES ON THE OUT AND SOMETIMES FILLE 2-02 (RIV) ALLEGATIONS SOLUTION. ASSURANCE THAT HVAC SYS	REPRODUCTIONS D IN OVER AGAIN. B AND 9 AND 01 STEMS AND			
330/83#04-03	INDIVIDUAL N	ALLEGATION .	MIDLAND 2			RIV	82-02
		CERTIFICATION FORM FOR WITH A LETTER INDICATI SPECIFICATIONS AND MATI SEE REPORT C99900785/8 REPORT 83-08 PROVIDES COMPONENTS ARE ADEQUAT	SEEM ESPECIALLY CAREFUL NE MANUFACTURER SENT US SEVERAL LOTS OF WELDIN NG THAT WE COULD FILL I CH THEM UP WITH THE POP 2-02 (RIV) ALLEGATION I ASSURANCE THAT HVAC SYS ELY DESIGNED AND CONSTR ROGRAM UTILIZED WERE AN	A TYPICAL  B MATERIAL, ALONG  IN THE  S THEMSELVES,  D FOR RESOLUTION.  STEMS AND  RUCTED; THAT			
330/83#04-04	INDIVIDUAL N	ALLEGATION	HIDLAND 2			RIV	82-02

COMMENTS CONCERNING POOR DOCUMENT CONTROL. REFER TO REPORT C99900785/82-02 (RIV) ALLEGATIONS 1 AND 5 AND OI REPORT 3-82-025 FOR RESOLUTION. REPORT 83-08 PROVIDES ASSURANCE THAT HVAC SYSTEMS AND COMPONENTS ARE ADEQUATELY DESIGNED AND CONSTRUCTED! THAT MATERIALS AND THE QA PROGRAM UTILIZED WERE ADEQUATE.

REGION III TRACKING SYSTEM PAGE 44 UPDATED 2/28/84 MIDLAND - ALLEGATIONS. INDIVIDUALS C. F. H. M. N. O. R. X. Y. Z. AND CC. ONE COPY FOR R. SPESSARD COMPLETE LISTING

RESOLUTION 1TEM FACILITY NAME LICENSEE INTERIM INSPECTOR CLOSEOUT ITEM NO./ INSPECTOR/ ITEM TYPE! DESIGNATED NO. INSPECTION ASSIGNED REPORT NO. RESPONSE DUE BRIEF DESCRIPTION MODULE NO. HAWKINS 83-08 INDIVIDUAL N ALLEGATION MIDLAND 2 330/83#04-05 DURING THE TIME I WORKED FOR ZACK. THE NRC DID NOTHING THAT I AM AWARE OF TO INSPECT ZACK PROCEDURES OR MONITOR THEIR GA PROGRAM. SEE LETTERS FROM RIII WHICH REFER THIS ISSUE TO DIA (DATED AUG.9. AND 31. 1983) FOR APPROPRIATE ACTION. THE LETTERS FOWARDED IND. H'S AFFIDAVIT AND SWORN STATE-ENT AND IND. O'S AFFIDAVIT REGARDING SAME ISSUE. REPORT 83-08 REFERS TO ISSUES SENT TO DIA. MIDLAND 2 RIV 82-02 330/83#05-01 INDIVIDUAL O ALLEGATION COMMENTS REGARDING POOR DOCUMENT CONTROL. SEE REPORT C999CO785/82-02 (RIV) ALLEGATIONS 1 AND 2 AND DI REPORT 3-82-025 FOR RESOLUTION. INDIVIDUAL O'S AFFIDAVIT FOWARDED TO DIA IN LETTER DATED AUGUST 9.1982. REPORT 83-08 PROVIDES ASSURANCE THAT HVAC SYSTEMS AND COMPONENTS ARE ADEQUATELY DESIGNED AND CONSTRUCTED! THAT MATERIALS AND THE QA PROGRAM UTILIZED WERE ADEQUATE. RIV 82-02 330/83#05-02 INDIVIDUAL O ALLEGATION MIDLAND 2 THERE WAS NO CONTROL OVER NUCLEAR PURCHASE ORDERS. AFTER I WAS FIRED I LEARNED THAT SOMEONE HAD GONE INTO SOME OF THE FILES TO FIX OR CORRECT THE VARIOUS PO'S. SEE REPORT C99900785/82-02 (RIV) ALLEGATIONS 8 AND 9 AND OI REPORT 3-82-025 FOR RESOLUTION. REPORT 83-08 PROVIDES ASSURANCE THAT HVAC SYSTEMS AND COMPONENTS ARE ADEQUATELY DESIGNED AND CONSTRUCTED! THAT MATERIALS AND THE GA PROGRAM UTILIZED WERE ADEQUATE. INDIVIDUAL O ALLEGATION MIDLAND 2 RIV 82-02

> COMMENTS REGARDING LACK OF FORMAL TRAINING. SEE REPORT C99900785/82-02 (RIV) ALLEGATION 4 FOR RESOLUTION REPORT 83-08 PROVIDES ASSURANCE THAT HVAC SYSTEMS AND COMPONENTS ARE ADEQUATELY DESIGNED AND CONSTRUCTEDS THAT MATERIALS AND THE QA PROGRAM UTILIZED WERE ADEQUATE.

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330/83#05-03

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MIDLAND - ALLEGATIONS, INDIVIDUALS C. F. H. M. N. O. R. X. Y. Z. AND CC. ONE COPY FOR R. SPESSARD UPDATED 2'28/84

	ITEM					RESOLUTION	
ITEM NO./ RESPONSE DUE	INSPECTOR/ MODULE NO.	ITEM TYPE/ BRIEF DESCRIPTION	FACILITY NAME	LICENSEE DESIGNATED NO.	INTERIM INSPECTION	INSPECTOR ASSIGNED	CLOSEOUT REPORT NO.
330/83#05-04	INDIVIDUAL O	ALLEGATION	MIDLAND 2			RIV	82-02
		TO THE BEST OF MY PERSON STILL NOT FINISHED AT A SEE REPORT C99900785/86 REPORT 83-08 PROVIDES COMPONENTS ARE ADEQUATE MATERIALS AND THE QA PERSON STATEMENT OF THE PROVIDES O	ZACK. (QA DOCUMENTATION 2-02 (RIV) ALLEGATION I ASSURANCE THAT HVAC SYS ELY DESIGNED AND CONSTR	6 FOR RESOLUTION. TEMS AND RUCTED! THAT			
330/83#05-05	INDIVIDUAL O	ALLEGATION	MIDLAND 2			RIV	82-02
		A NUMBER OF THE CHTR'S C99900785/82-02 (RIV) 3-82-025 FOR RESOLUTION REPORT 83-08 PROVIDES COMPONENTS ARE ADEQUATE MATERIALS AND THE GA PE	ALLEGATIONS 8 AND 9 AND N. ASSURANCE THAT HVAC SYS ELY DESIGNED AND CONSTR	O O REPORT			
330/83#05-06	INDIVIDUAL O	ALLEGATION	MIDLAND 2			RIV	82-02
		I WAS NOT QUALIFIED TO LIKE MISSING CERTIFICA WRITE). SEE REPORT C99 FOR RESOLUTION. REPORT 83-08 PROVIDES COMPONENTS ARE ADEQUATE MATERIALS AND THE QA P	TIONS (CONCERNING NCRS 900785/82-02 (RIV) ALLE ASSURANCE THAT HVAC SYS ELY DESIGNED AND CONSTR	SHE WAS FORCED TO EGATION 4 STEMS AND RUCTED! THAT	s		
330/83#05-07	IMDIVIDUAL O	ALLEGATION	HIDLAND 2			RIV	82-02

IN LETTER FROM A SUB-TIER VENDOR CONCERNING MISSING CERTIFICATIONS OR SPECIFICATIONS THE VENDOR TOLD ZACK TO JUST FILL IN THE BLANKS. SEE REPORT C99900785/82-02 (RIV) ALLEGATION 10 FOR RESOLUTION. REPORT 83-08 PROVIDES ASSURANCE THAT HVAC SYSTEMS AND COMPONENTS ARE ADEQUATELY DESIGNED AND CONSTRUCTED! THAT MATERIALS AND THE WA PROGRAM UTILIZED WERE ADEQUATE.

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REGION III TRACKING SYSTEM PAGE 46 MIDLAND - ALLEGATIONS, INDIVIDUALS C. F. H. M. N. D. R. X. Y. Z. AND CC. ONE COPY FOR R. SPESSARD UPDATED 2/28/84 COMPLETE LISTING

	ITEM					RESOLUTION	
ITEM NO./ RESPONSE DUE	INSPECTOR/	ITEM TYPE/ BRIEF DESCRIPTION	FACILITY NAME	LICENSEE DESIGNATED NO.	INTERIM INSPECTION	INSPECTOR ASSIGNED	CLOSEOUT REPORT NO.
330/83#05-08	INDIVIDUAL O	ALLEGATION	MIDLAND 2			HAWKINS	83-08
		INVESTIGATION AT THE	WLEDGE THERE WAS NEVER A ZACK SITE DURING MY EMPL D AFFIDAVITS AND STATEME AUGUST 9+1983 LETTER FR	OYMENT THERE.	IA.		
330/83#05-09	INDIVIDUAL O	ALLEGATION	MIDLAND 2			RIV	82-02
		QUALIFICATION RECORDS. ALLEGATION 3 AND RIII ZACK WORK) FOR RESOLU REPORT 83-08 PROVIDES COMPONENTS ARE ADEQUA	SHOULD BE A REVIEW OF ZA  SEE REPORT C99900785/8 REPORTS 83-13:83-14.(CO TION. ASSURANCE THAT HVAC SYS TELY DESIGNED AND CONSTR PROGRAM UTILIZED WERE AS	22-02 (RIV) OOK RELEASE OF STEMS AND DUCTED! THAT			
330/83#08-01	INDIVIDUAL R	ALLEGATION	MIDLAND 2			СООК	83-11-
		SODERHOLM, CLARK ASH, LETTER TO SINCLAIR FRI REPORT 83-08 PROVIDES COMPONENTS ARE ADEQUA	AT MIDLAND INCLUDE LED AND ED ENTROKIN. REFER OM KEPPLER. ASSURANCE THAT MYAC SYS TELY DESIGNED AND CONSTR PROGRAM UTILIZED WERE AD	TO JUNE 27, 1983 STEMS AND RUCTED! THAT			
330/83#08-02	INDIVIDUAL R	ALLEGATION .	MIDLAND 2			HAWKINS	83-08

ZACK ALSO DID NOT HAVE QUALIFIED PEOPLE FOR DESIGN WORK THEY WERE DOING. SEE REPORT 83-08 SECTION I FOR RESOLUTION (ATTACHMENT E TO REPORT 83-08)

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REGION 111 TRACKING SYSTEM

RIDLAND - ALLEGATIONS, INDIVIDUALS C. F. H. M. N. D. R. X. Y. Z. AND CC. GNE COPY FOR R. SPESSARD UPDATED 2/28/84

COMPLETE LISTING

	ITEM					RESOLUTION	
ITEM NO./ RESPONSE DUE	INSPECTOR/ MODULE NO.	ITEM TYPE/ BRIEF DESCRIPTION	FACILITY NAME	LICENSEE DESIGNATED NO.	INTERIM INSPECTION	INSPECTOR ASSIGNED	CLOSEOUT REPORT NO
330/83#08-03	INDIVIDUAL R	ALLEGATION	MIDLAND 2			соок	83-11
		HE CLAIMS THAT ALL WORK CERTAIN LIMITED SIZE ME ENGINEER OR ARCHITECT. JUNE 27, 1983 LETTER TO REPORT 83-08 PROVIDES COMPONENTS ARE ADEQUATE MATERIALS AND THE QA PO	UST BE DONE AS A MICHIC ALSO SEE REPORT 83-08 D SINCLAIR FROM KEPPLE ASSURANCE THAT HVAC SYS ELY DESIGNED AND CONST	SECTION I AND REFOR RESOLUTION. REFOR RESOLUTION. RUCTEDS THAT			
330/83#08-04	INDIVIDUAL R	ALLEGATION	MIDLAND 2			соок	83-11
		HE TOLD ME THAT A VERY BECAUSE THE SCHEDULING LETTER FROM KEPPLER FO REPORT 83-08 PROVIDES COMPONENTS ARE ADEQUAT WATERIALS AND THE QA P	WAS SO ERRATIC. SEE JER RESOLUTION. ASSURANCE THAT HYAC SYELY DESIGNED AND CONST	JNE 27+1983 STEMS AND RUCTED! THAT			
330/83#14-01	INDIVIDUAL X	ALLEGATION .	MIDLAND 2			RIV	82-02
		TRAINING WAS INADEQUATE WITH ZACK. SEE REPORT 83-08 SECTION I FOR RE REPORT 83-08 PROVIDES COMPONENTS ARE ADEQUATE MATERIALS AND THE GA P	C99900785/82-02 (RIV) SOLUTION. ASSURANCE THAT HVAC SY ELY DESIGNED AND CONST	ALLEGATION 4 AND STEMS AND RUCTEDS THAT			
330/83814-02	INDIVIDUAL X	ALLEGATION	MIDLAND 2			HAWKINS	83-08

UPPER LEVEL ZACK MANAGEMENT PRESSURES HAVE AFFECTED THE QUALITY OF WORK. SEE REPORT 83-08 SECTION I AND OI REPORT 3-82-057 FOR RESOLUTION. REPORT 83-08 PROVIDES ASSURANCE THAT HVAC SYSTEMS AND COMPONENTS ARE ADEQUATELY DESIGNED AND CONSTRUCTED! THAT MATERIALS AND THE QA PROGRAM UTILIZED WERE ADEQUATE.

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REGION III TRACKING SYSTEM

MIDLAND - ALLEGATIONS. INDIVIDUALS C, F, H, M, N, O, R, X, Y, Z, AND CC. ONE COPY FOR R. SPESSARD UPDATED 2/28/84

COMPLETE LISTING

	ITEM					RESOLUTION	
ITEM NO./ RESPONSE DUE	INSPECTOR/	THEM TYPE/ BRIEF DESCRIPTION	FACILITY NAME	LICENSEE DESIGNATED NO.	INTERIM INSPECTION	INSPECTOR ASSIGNED	CLOSEOUT REPORT NO.
330/83#14-03	INDIVIDUAL X	ALLEGATION	S CHAIDIM			RIV	65-05
		HE FREQUENTLY SAW DOCUM QUESTIONABLE AUTHENTICI ALTERATIONS. SEE OI REP SECTION I. AND RIV REPO FOR RESOLUTION. REPORT 83-08 PROVIDES A COMPONENTS ARE ADEQUATE MATERIALS AND THE QA PR	TY. WHITE OUTS AND HEAD ORTS 3-82-025. RIII REPORT C99900785/82-02 RIVER SSURANCE THAT HVAC SYSLY DESIGNED AND CONSTR	T NUMBER PORT 83-08 ALLEGATION 8 AND STEMS AND RUCTEDS THAT			
330/83#15-01	INDIVIDUAL Y	ALLEGATION	MIDLAND 2			HAWKINS	83-08
		DUE TO THE FAILURE OF C TO RADIATION PRODUCED B SECTION I FOR RESOLUTION PURSUE THIS ISSUE WITH	Y X-RAY EQUIPMENT. SEE	REPORT 83-08			
330/83#16-01	INDIVIDUAL Z	ALLEGATION	MIDLAND 2			HAWKINS	83-08
		IMPROPER DEFICIENCY TRE 83-08 SECTION I AND III STATEMENT SENT TO OI ON	FOR RESOLUTION. INDIV				
330/83#16-02	INDIVIDUAL Z	ALLEGATION	MIDLAND 2			GARDNER	
		UNQUALIFIED COMSTOCK PE	RSONNEL PERFORMING ENG	BINEERING AND			
30/83#16-03	INDIVIDUAL Z	ALLEGATION	HIDLAND 2			соок	83-22

INADEQUATE DESIGN AND CONSTRUCTION OF INSTRUMENT TUBING AND SUPPORTS BY BECHTEL AND COMSTOCK. SEE REPORT 83-08 SECTION I FOR DETAIL OF RESOLUTION.

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	ITEM				RESOLUTION	
ITEM NO./ RESPONSE DUE	INSPECTOR/	ITEM TYPE/ BRIEF DESCRIPTION	FACILITY NAME	LICENSEE INTERIM DESIGNATED NO. INSPECTION	INSPECTOR ASSIGNED	CLOSEOUT REPORT NO.
330/83#19-01	INDIVIDUAL CC	ALLEGATION	MIDLAND 2		HAWKINS	83-08
		IMPROPER USE OF ONSITE DES SECTION I FOR RESOLUTION. REPORT 83-08 PROVIDES ASSU COMPONENTS ARE ADEQUATELY MATERIALS AND THE QA PROGR	RANCE THAT HVAC SYSTE DESIGNED AND CONSTRUC	MS AND TEDI THAT		
30/83#19-02	INDIVIDUAL CC	ALLEGATION	HIDLAND 2		HAWKINS	83-08
		INCORRECT INSTALLATION OF PLATES. SEE REPORT 83-08	ANCHOR BOLTS FOR SURF SECTION 1 AND 11 FOR	ACE MOUNTED RESOLUTION.		
330/83-19-03	INDIVIDUAL CC	ALLEGATION	MIDLAND 2		HANKINS	83-08
		EXTENSIVE PROPOSED CONTROL SECTION 1 FOR RESOLUTION. INTO THE CONTROL ROOM HVAC	REFERRED TO TERA FOR			
30/83#19-04	INDIVIDUAL CC	ALLEGATION	HIDLAND 2		HAWKINS	83-08
		EXCESSIVE BLOWHOLES IN THE SECTION I AND II FOR RESOLU		K. SEE REPORT 63-08		
330/83#19-05	INDIVIDUAL CC	ALLEGATION	MIDLAND 2		HARRISON	83-10
		BECHTELS USE OF NONDISCLOSE SECTION I.	URE STATEMENTS. ALSO	SEE REPORT 83-08		

with it.

Document Name: HVAC EXIT MEETING OUTLINE

Requestor's ID: LAURIE

Author's Name: Hawkins

Document Comments: Outline for Midland HVAC Exit Meeting in RIII 02/29/84

## HVAC EXIT MEETING FEBRUARY 29,1984

Report 83-08; 83-08

- A. Special Inspection to address the allegations from 11 individuals regarding the design and construction of the Midland HVAC system.

  Began May 10, 1983.
- B. The inspection involved a total of 1142 hours by five Region III and three NRR representatives.
- C. The primary objective of the inspection was to provide us confidence that

  1) the HVAC systems and components are properly constructed and 2) that an

  adequate QA Program is being implemented with regard to ongoing HVAC

  activities.
- D. To accomplish the objective we developed a five phase program which consisted of:
  - (1) Followup of allegations
  - (2) Construction inspection
  - (3) QA Program review
  - (4) NRR design review
  - (5) Materials sampling and testing program

- E. Results: Nine items of noncompliance
  - (1) 10 CFR 50.55(e) (Level IV) Failure to report the Zack documentation deficiencies in accordance with 55(e).
  - (2) Criterion 10 "Inspection" (Level IV) the spec. governing HVAC activities did not include provisions or requirements for assuring fit-up conformance to AWS D1.1 for structural welding.
  - (3) Criterion 18 Audits (Level IV) Examples of six instances where audits were not conducted in accordance with MPQAD Procedure F-1M.
  - (4) Criterion 2 Quality Assurance Program (Level V) Failure to establish a training program to ensure that HVAC quality control inspectors are trained in changes to HVAC Spec. 151, when those changes affected the acceptance criteria or inspection requirements.
  - (5) Criterion 2 QA Program (Level V) Examples of three instances where quality inspection personnel were not properly qualified and/or certified.
  - (6) Criterion 5 Instructions, Procedures, and Drawings (Level V) -Examples of three instances where design change notices were not incorporated into the design documents as required by Bechtel Procedure PEP 4.46.1.

- (7) Criterion 16 Corrective Action (Level V) Appropriate corrective action was not taken in the case of 42 HVAC shop travelers which documented that welding was performed by unqualified welders. Specifically, the corrective action did not address the acceptability of welds performed during the period when the welders were not properly qualified in accordance with AWS.
- (8) Criterion 5 Instructions, Procedures, and Drawings (Level V) -Examples of two instances where the Zack procedure for Trend Analysis (PQCP-20) was not followed.
- (9) Criterion 5 Instructions, Procedures, and Drawings (Level V) -After Bechtel's discontinuation of Zack's use of the SDDR, there was no approved vehicle at Zack's disposal to submit nonconforming conditions to Bechtel for disposition.
- F. Noncompliances 2, 4, 5, and 7 are programmatic in nature and may impact completed HVAC system construction. Consequently, your evaluation of this potential impact on completed work should be included in your written response to those items.

6. Covelusions: As a result of this effort the stable has reasonable assurance that the HVAC system design and constructionat Midland is acceptable and an adequate QA Program is being implemental w/ regard to organing activities.