



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION III
799 ROOSEVELT ROAD
GLEN ELLYN, ILLINOIS 60137

September 16, 1983

MEMORANDUM FOR: D. H. Danielson, Chief, Materials and Processing Section
THRU: *RJ* R. J. Cook, Senior Resident Inspector, Midland Site
FROM: R. C. Janke, Assistant Inspector (Co-op), Midland Site
SUBJECT: SAMPLING OF THE ZACK COMPANY HVAC MATERIAL

This memo refers to the cutting of samples by the Zack Company for NRC destructive examination inspection. On August 31 and September 1, 1983, Messrs. D. H. Danielson and Wm. J. Key selected samples of HVAC structural material from various locations in the Midland Plant. Zack Company and Consumers Power MPQAD personnel witnessed the sample selection to insure an accurate listing would be made. By Tuesday, September 6, 1983, the necessary travelers were prepared by Zack Company and cutting of the samples commenced on Wednesday, September 7, 1983. The sixty eight samples had been removed and cataloged by September 12, 1983. The attached list is a revised addition including drawing numbers and sample descriptions. As per your request, I personally observed the cutting and inscription of information on each piece of material.

It is anticipated that shipment to the Region of these samples will occur on September 21, 1983.

If there are any questions, please contact me.

Randy C. Janke
R. C. Janke
Assistant Inspector (Co-op)
Midland Site

cc/w attachment

J. J. Harrison
R. N. Gardner
W. J. Key

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PDR FOIA
RICE84-96 PDR

SEP 20 1983

ZACK - HVAC MATERIAL SAMPLING LIST

I. Control Room

<u>Sample No.</u>	<u>ID No.</u>	<u>Traveler</u>	<u>V Drawing</u>	<u>Sample Description</u>	<u>Welds</u>
1.	Duct 209A	P4582	25 sh 3	Long. seam weld	Yes
2.	Hgr. 75A	F17525	25 sh 3	3/8 x 3 1/2 x 3 1/2 angle (structural)	No
3.	Duct 231	P3730	25 sh 3	Long. seam weld	Yes
4.	Duct 33C	F21555	25 sh 3	Sheet sample	No
5.	Hgr. 88B	F9835	25 sh 3	3 1/2 x 3 1/2 x 1/2" angle	No
6.	Hgr. 21	F720	25 sh 3	3 1/2 x 3 1/2 x 1/2 angle	No
7.	Duct 61	F788	25 sh 3	Sheet sample	No
8.	Duct 44A End Cap	F19839	25 sh 3	3/8" bolt	No
9.	Duct 44A End Cap	F19839	25 sh 3	3/8" bolt	No
10.	Duct 251	F17595	25 sh 3	Sheet sample	No

II. Diesel Generator Bldg.

A.	<u>Bay 4</u>				
11.	Duct 29	F11601	85	Long. seam weld	Yes
12.	Duct 63	F13735	85	Sheet sample	No
B.	<u>Bay 3</u>				
13.	Duct 115	F11075	85	Sheet sample	No
14.	} Hgr. 102	F11230	85	3 - structurals Intersection of Vert., Horz. & Transverse members	Yes
15.					
16.					

III. Service Water Bldg.

<u>Sample No.</u>	<u>ID No.</u>	<u>Traveler</u>	<u>V Drawing</u>	<u>Sample Description</u>	<u>Welds</u>
17.	Hgr. 4A	F2213	83	3 x 3 x $\frac{1}{4}$ angle	No
18.	Hgr. 1.5	F16702	83	2 x 2 x $\frac{1}{4}$ tube steel	No
19.	Duct 93	F10349	83	Longitudinal corner weld	Yes
20.	Duct 86.5	P553	83	Sheet sample	No
21.	Hgr. 18B	F14377	83	3 x 3 x $\frac{1}{4}$ angle	No
22.	Hgr. 39A	F9991	83	3 $\frac{1}{2}$ x 3 $\frac{1}{2}$ x $\frac{1}{4}$ angle	Yes
23.					
24.	Hgr. 36A	F14378	83	3 x 3 x $\frac{1}{4}$ angle with 1" Shim Plate	Yes
25.	Duct 77A	F12145	83	$\frac{1}{2}$ " ϕ Bolt	No
26.	Duct 76A	F12143	83	$\frac{1}{2}$ " ϕ Bolt	No

IV. Battery Room

A.	<u>Room 357</u>				
27.	Hgr. 12A	F14911	22 sh 2	2 x 2 x $\frac{1}{4}$ " angle	No
28.	Duct 11	F7246	22 sh 2	Sheet sample	No
B.	<u>Room 353</u>				
29.	Duct 39	F7331	22 sh 2	Sheet sample	No
30.	Hgr. 20A	F9530	22 sh 1	2 x 2 x $\frac{1}{4}$ angle & 5/16" plate	Yes
C.	<u>Room 356</u>				
31.	Duct 3A	P5250	22 sh 1	Sheet sample	No
32.	Hgr. 8	F14196	22 sh 1	2 x 2 x $\frac{1}{4}$ " angle	No

V. Auxiliary Bldg.

<u>Sample No.</u>	<u>ID No.</u>	<u>Traveler</u>	<u>V Drawing</u>	<u>Sample Description</u>	<u>Welds</u>
A.	<u>Cable Chase E5.6</u>				
33.	Hgr. 4	F2507	22 sh 1B	1½ x 1½ x ¼ angle	No
34.	Duct 9A	P4644	22 sh 1B	Sheet sample	No
B.	<u>Cable Chase W7.8</u>				
35.	Hgr. 25	F3755	22 sh 2B	2 x 2 x ¼ angle	Yes

VI. Containment - Unit 2

36.	Hgr. 4	F15721	34 sh 1	4 x 4 x ¼ angle	No
37.	Hgr. 19	F7565	32 sh 2	3 x 3 x ¼ angle	No
38.	Hgr. 10	F6130	12 sh 2	4 x 4 x 3/8" angle	No
39.	Hgr. 22	F17084	13 sh 1	3 x 3 x ¼ angle	No

VII. Auxiliary Bldg. (Filter System)

40.	Hgr. 22	F19959	9 sh 2	4 x 4 x ½ tube steel	No
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VIII. Material Issue Room - Job Site Stock

41.]	2 - Bolts 3/8" ø x 2 1/2"
42.]	
43.]	2 - Bolts 1/2" ø x 3 1/2" - Non Q Item - Seismic Class II
44.]	
45.]	2 - Bolts 5/8" ø x 2 1/2"
46.]	

IX. Fabrication Shop - Job Site Stock

<u>Sample No.</u>	<u>MCN No.</u>	<u>Description of Material</u>	
47.	855-8	C Channel	C6 x 13#
48.	935-5	C Channel	C5 x 9#
49.	1163-2	C Channel	C4 x 5.4#
50.	1018-1	Tube Steel	6 x 4 x 1/4"
51.	1937-1	Tube Steel	1 x 1 x 1/4"
52.	C2410-5	WF	8" I Beam
53.	1462 -2	Plate	3/4" x 4"
54.	C1064	WF	I Beam
55.	1687-3	Plate	5/8" x 2"
56.	C2560-5	Plate	1" Plate x 14 1/2"

X. Fabrication Shop - Weld Coupons

<u>Sample No.</u>	<u>No. of Pieces</u>	<u>Coil No.</u>	<u>Description</u>
57.	2	720	18 gauge
58.	<u>2</u>	711	22 gauge
59.	2	C2547-5	10 gauge
60.	2	C2619-1	12 gauge

XI. Poseyville Laydown Area

<u>Sample No.</u>	<u>ID No.</u>	<u>Traveler</u>	<u>V Drawing</u>	<u>Sample Description</u>	<u>Welds</u>
61.	Duct 37	P3642	25 sh 1	Sheet Sample	No
62.	Duct 66	F14202	25 sh 1	Sheet Sample	No

XII. Restocked Material

<u>Sample No.</u>	<u>ID No.</u>	<u>Traveler</u>	<u>V Drawing</u>	<u>Sample Description</u>	<u>Welds</u>
63.	Duct 109	R8792	27 sh 3	Stitch welds	Yes
64.	Duct 152	F13738	85	Seam weld gored elbow	Yes
65.	Duct 250	F13749	85	Seam weld gored elbow	Yes
66.	Duct 40	F4613	11 sh 2	Corner weld, fire damper sleeve	Yes
67.	Duct 20	F5863	27 sh 4	Seam weld; sq. to round (Non Q Material)	Yes

XIII. Fabrication Shop - Job Site Stock

68. MCN # 812-5 C Channel 3 x 5.4#