

UNC RECOVERY SYSTEMS

NISRI: 83011

Division of United Nuclear Corporation
A **UNC RESOURCES** Company

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70-820
PDR
Return
to 396

January 31, 1983

United States Nuclear
Regulatory Commission
Mr. W. T. Crow, Section Leader
Office of Nuclear Material Safety
and Safeguards
Wilste Building
7915 Eastern Avenue,
Silver Spring, MD 20910



Gentlemen:

In order to clarify subsection 1., paragraph 5, "Description of Decontamination Methods", of UNC's Final Survey Report, I am submitting this letter. In conjunction, I am submitting several erata and addenda sheets for this document. Please insert the affected sheets as required.

Subsection 1., Volume I, paragraph 5:

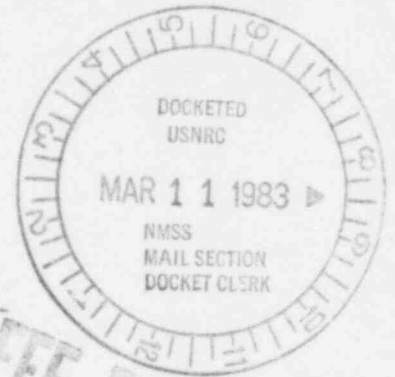
Paragraph 5 states the methods of decontamination and says, "...., or by removal and replacement of wall sections." This, in fact, did occur and the enclosed sheets list the affected blocks by area. Grid blocks which could not meet the criteria upon re-work and re-survey were removed and replaced with new concrete blocks, and being "new" were not re-surveyed.

This should clarify the lack of re-survey sheets for the affected grid blocks. If there are any other questions regarding Section I of the survey report, do not hesitate to contact the writer.

Very truly yours,
UNC Recovery Systems

K. A. Helgeson
K. A. Helgeson
Manager, Quality Assurance and
Nuclear and Industrial Safety

cc: ✓ J. Roth, Project Inspector
J. Berger, ORAU
D. Spurgeon
R. J. Gregg



FEE EXEMPT

8303180594 830131
PDR ADOCK 07000820
C PDR

22011

ADDENDA SHEET
TO
SUBSECTION 3.

ADD TO SUBSECTION 3., IMMEDIATELY AFTER 3.1.2

FINAL SURVEY REPORT

SECTION I

3. DISCUSSION

Because of the deteriorated condition of the concrete block forming this wall and the numerous anchor bolts drilled into the wall, it was decided to remove this wall completely and bury the rubble at an approved burial site.

*addenda submitted by
letter dated 1/31/83*



ADDENDA SHEETS
TO

SUBSECTION 3.1

GRID BLOCKS AFFECTED BY REMOVAL AND REPLACEMENT OF
CONCRETE BLOCKS.

PROCESS AREA, EAST WALL

A-1454

A-1455

A-1456

PROCESS AREA, SOUTH WALL

A-575

A-576

A-577



ADDENDA SHEETS
TO

SUBSECTION 3.2

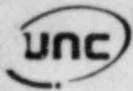
GRID BLOCKS AFFECTED BY REMOVAL AND REPLACEMENT OF
CONCRETE BLOCKS.

PICKLE LIQUOR ROOM

B-97

B-98

B-99



ADDENDA SHEETS
TO

SUBSECTION 3.4

GRID BLOCKS AFFECTED BY REMOVAL AND REPLACEMENT OF
CONCRETE BLOCKS.

COLUMNS TOWER, 1st FLOOR

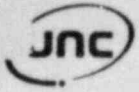
C-442	C-449
C-443	C-424
C-448	C-425

COLUMNS TOWER, 2nd FLOOR

C-266	C-281	C-298	C-307	C-319
C-270	C-282	C-299	C-308	C-320
C-271	C-284	C-300	C-309	C-321
C-272	C-289	C-301	C-313	
C-275	C-290	C-302	C-314	
C-280	C-291	C-303	C-315	

COLUMNS TOWER, 3rd FLOOR

C-150	C-159	C-168	C-177	C-185	C-199
C-151	C-160	C-169	C-178	C-186	C-203
C-152	C-161	C-170	C-179	C-187	C-204
C-153	C-162	C-171	C-180	C-191	C-205
C-154	C-163	C-172	C-181	C-192	
C-155	C-164	C-173	C-182	C-193	
C-156	C-165	C-174	C-183	C-197	
C-157	C-166	C-175	C-184	C-198	



ADDENDA SHEETS

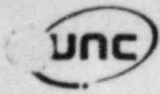
ADD TO SUBSECTION 3.2.4 PICKLE LIQUOR ROOM FLOOR RE-SURVEY

AREA DESIGNATION:

Pickle liquor Floor Re-survey DWG. No.:

GRID IDENTIFICATION	ALPHA-SMEAR DPM/100cm ²	BETA-SMEAR DPM/100cm ²	ALPHA-FIXED DPM/100cm ²	**BETA/GAMMA AT 1 cm mrem/hr
B-206 1			2000	
2			2500	
3			2000	
4			3000	
5			2500	
max.			3000	
avg.			2400	
B-229 1			3000	
2			5000	
3			3500	
4			3000	
5			2500	
max.			5000	
avg.			3400	
B-237 1			1000	
2			2500	
3			2000	
4			2000	
5			4000	
max.			4000	
avg.			2200	
B-250 1			1000	
2			2000	
3			2000	
4			1000	
5			1000	
max.			2000	
avg.			1400	

** 1 mrad/hr is the equivalent of 7200 DPM/100 cm²



ADDENDA SHEETS

ADD TO SUBSECTION 3.4.6 COLUMNS TOWER RE-SURVEY DATA
ALL FLOORS

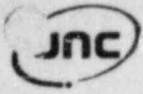
AREA DESIGNATION:

Col. 2nd Wall Re-survey

DWG. No.:

GRID IDENTIFICATION	ALPHA-SMEAR DPM/100cm ²	BETA-SMEAR DPM/100cm ²	ALPHA-FIXED DPM/100cm ²	**BETA/GAMMA AT 1 cm mrem/hr
C-365 1			4000	
2			1000	
3			5000	
4			4000	
5			3000	
max.			5000	
avg.			3400	
1				
2				
3				
4				
5				
max.				
avg.				
1				
2				
3				
4				
5				
max.				
avg.				
1				
2				
3				
4				
5				
max.				
avg.				

** 1 mrad/hr is the equivalent of 7200 DPM/100 cm²



ADDENDA SHEETS

ADD TO SUBSECTION 3.1.4 PROCESS AREA RE-SURVEY DATA, WALLS

AREA DESIGNATION:

Process Area East Wall Re-survey, No.:

GRID IDENTIFICATION	ALPHA-SMEAR DPM/100cm ²	BETA-SMEAR DPM/100cm ²	ALPHA-FIXED DPM/100cm ²	**BETA/GAMMA AT 1 cm mrem/hr
A-1468 1			< 200	
2			< 200	
3			< 200	
4			< 200	
5			< 200	
max.			< 200	
avg.			< 200	
A-1472 1			1000	
2			1000	
3			2000	
4			1000	
5			1000	
max.			2000	
avg.			1200	
1				
2				
3				
4				
5				
max.				
avg.				
1				
2				
3				
4				
5				
max.				
avg.				

** 1 mrad/hr is the equivalent of 7200 DPM/100 cm²

AREA DESIGNATION:

Proc. Area Units Residue, DWG. No.:

GRID IDENTIFICATION		ALPHA-SMEAR DPM/100cm ²	BETA-SMEAR DPM/100cm ²	ALPHA-FIXED DPM/100cm ²	**BETA/GAMMA AT 1 cm mrem/hr
A-79	1			< 200	
	2			< 200	
	3			< 200	
	4			< 200	
	5			< 200	
	max.			< 200	
	avg.			< 200	
A-343	1			< 200	
	2			< 200	
	3			< 200	
	4			< 200	
	5			< 200	
	max.			< 200	
	avg.			< 200	
	1				
	2				
	3				
	4				
	5				
	max.				
	avg.				
	1				
	2				
	3				
	4				
	5				
	max.				
	avg.				

**1 mrad/hr is the equivalent of 7200 DPM/100 cm²



ERATA SHEETS

REMOVE OLD SHEETS AND REPLACE WITH CORRECTED SHEETS

AREA DESIGNATION:

Pass Area East Wall

DWG. No.:

GRID IDENTIFICATION	ALPHA-SMEAR DPM/100cm ²	BETA-SMEAR DPM/100cm ²	ALPHA-FIXED DPM/100cm ²	**BETA/GAMMA AT 1 cm mrem/hr
A-1468 1	0	23	6500	0.03
2	0	14	6500	0.03
3	0	0	1500	0.03
4	0	0	10,000	0.04
5	9	0	8000	0.03
max.	9	23	10,000	0.04
avg.	2	7	5700	0.03
A-1469 1	6	0	6000	0.1
2	18	0	20,000	0.3
3	15	18	20,000	0.3
4	3	0	10,000	0.1
5	9	0	10,000	0.1
max.	18	18	20,000	0.3
avg.	10	4	15,000	0.1
A-1470 1	24	0	10,000	0.3
2	15	0	10,000	0.3
3	15	32	25,000	0.3
4	0	25	50,000	0.03
5	6	7	60,000	0.4
max.	24	32	60,000	0.4
avg.	12	13	25,000	0.3
A-1471 1	0	0	6500	0.3
2	0	0	6500	0.3
3	6	0	7000	0.3
4	9	0	30,000	0.6
5	6	2	10,000	0.3
max.	9	2	30,000	0.6
avg.	4	0	715,000	0.3

** 1 mrad/hr is the equivalent of 7200 DPM/100 cm²

AREA DESIGNATION:

Process Area East Wall

DWG. No.:

GRID IDENTIFICATION		ALPHA-SMEAR DPM/100cm ²	BETA-SMEAR DPM/100cm ²	ALPHA-FIXED DPM/100cm ²	**BETA/GAMMA AT 1 cm mrem/hr
A-1472	1	6	0	6000	0.03
	2	0	0	<5000	0.02
	3	6	0	<5000	0.02
	4	9	0	5000	0.02
	5	0	0	5000	0.02
	max.	9	0	6000	0.03
	avg.	4	0	<5000	0.02
A-1473	1	12	0	<2000	0.02
	2	12	0	<2000	0.02
	3	6	0	<2000	0.02
	4	18	44	<2000	0.04
	5	6	23	<2000	0.02
	max.	18	44	<2000	0.04
	avg.	11	13	<2000	0.02
A-1474	1	6	0	<2000	0.02
	2	21	39	25,000	0.03
	3	0	0	<2000	0.02
	4	0	0	<2000	0.02
	5	12	0	<2000	0.02
	max.	21	39	25,000	0.03
	avg.	8	8	15,000	0.02
A-1475	1	0	0	<2000	0.02
	2	15	16	<2000	0.02
	3	3	0	<2000	0.02
	4	3	0	<2000	0.02
	5	27	2	<2000	0.03
	max.	27	16	<2000	0.03
	avg.	10	4	<2000	0.02

** 1 mrad/hr is the equivalent of 7200 DPM/100 cm²