

## 2-Way Memo

Subject:

RO, Region I, Close out  
Survey W.R. Grace & Co.  
Nevison Chemical Division  
Pompton Plains, N.J.

DATE OF MESSAGE

Aug 6, 1974

DATE OF REPLY

## INSTRUCTIONS

Use routing symbols whenever possible.

## SENDER:

Forward original and one copy.  
Conserve space.

## RECEIVER:

Reply below the message, keep  
one copy, return one copy.

To:

B. Singer  
D. Collins

FOLD

USE BRIEF, INFORMAL LANGUAGE

FOLD

I received a call from Gene Epstein, Inspector RO, I concerning their close-out survey of the above facility. He says the place is in poor shape and can't be released without further decontamination. It does not meet our criteria for release for unrestricted use. Epstein quoted the following examples:

1. a drain 4ft underground read 1 mpcr at the surface 2 inches above ground using a survey meter with 7 mg/cm<sup>2</sup> window.
2. Smear samples taken at 57 different locations averaged 18,000 dpm/cm<sup>2</sup> alpha with hot spots of 74,000 dpm/cm<sup>2</sup> of alpha.

From:

Buchanan

# 2-Way Memo

Subject: *W. R. Grace*

DATE OF MESSAGE	<i>08/16/74</i>
DATE OF REPLY	
<b>INSTRUCTIONS</b>	
Use routing symbols whenever possible.	
<b>SENDER:</b>	
Forward original and one copy.	
Conserve space.	
<b>RECEIVER:</b>	
Reply below the message, keep one copy, return one copy.	

To: *A. Singer*  
*D. Collins*

FOLD USE BRIEF, INFORMAL LANGUAGE FOLD

- 3. Removable alpha contamination average *500 dpm/cm<sup>2</sup>*
- 4. Soil and water samples have been taken and sent to ARCO for analysis - should have results in 2 weeks.

The inspector recommended further decontamination and suggested the licensee tear out certain areas for disposal. His report will be available in about 2 weeks. I told him we would do nothing until we could be assured that facility was clean enough for release.

From: *Buchanan*

Appendix A

Radiation Readings

Area	<u>DPM/100 cm<sup>2</sup> alpha</u>	<u>Beta-gamma</u>
Bld 1 Area 1-D	12,500	0.1 - .2 mvr/hr
	11,000	
	5000	
	8240	
	11000	
Bld 1 Lab Area	35000	0.1 to .35 mvr/hr
1-B.	50000	
	12500	
Catwalk	25000	0.8 mvr/hr average
Bld 1	30000	
	40000	
	25000	
	25000	
	20000	
	30000	
	20000	
	15000	
Sulfonation Room	10000	0.2 - .5 mvr/hr
Bld 1 floor	15000	
	18000	
	20000	

Bld. 1 Wall of	3000	
Sulfonation Room.	35000	0.2 - .5 m <sup>2</sup> /hr.
	55000	
	50000	
	5000	
	22500	

END Storage Room	5000	
Bld 1.	12500	
	5000	0.1 - .2 m <sup>2</sup> /hr.
	10000	
	5000	
	2500	
	2000	

3 <sup>rd</sup> floor lab.	9000	0.1 - .2 m <sup>2</sup> /hr.
Bdg. 1	6000	
	5000	

3 <sup>rd</sup> floor Library.	2000	0.1 m <sup>2</sup> /hr.
Bld 1		

Kettle Area	500	
Bld 1	2500	0.08 - 0.2 m <sup>2</sup> /hr.
	16000	

Garret Air Storage Area 7500

Bld. 1 9000

12500

10000

12500

200000

300000

85000

30000

0.1 - 1.5 - 2.0 mv/hr

~~Ball Mill Bldg.~~

Ball Mill Bldg. 6000

10000

12500

2500

17500

.1 - 1.0 mv/hr

Grinding Bld. 4500

500

3000

.3 - 1.4 mv/hr

~~Old Compressor Bld. 10000~~

~~7500~~

~~5000~~

~~2500~~

~~1000~~

~~1500~~

~~7500~~

~~10000~~

~~2000~~

OLD ~~Machine~~ <sup>Compressor</sup> ~~ice~~

12,500

0.3 - 1.0 m/h.

Bid .

25000

30000

OLD Maintenance

10000

Bid.

7500

.3 - 0.8 m/hr.

5000

250

1000

15000

15000

Appendix B  
Removable Contamination

<u>Area</u>	<u>dpm</u> <u>100 cm<sup>2</sup></u>	<u>dpm B-5</u> <u>100 cm<sup>2</sup></u>
Office Area	7.5	36
1-D Bld-1	12.5	51
	25.0	42
	<del>40.0</del>	53
	22.5	2.6
Laboratory	17.5	13
1-B Bld-1	20.0	84
	25.0	126
	47.5	20
	20.0	113
	35.0	69
Cartwalk	65.0	126
Bld - 1	62.5	<del>73</del>
	50.4	130
	107.5	180
Filter Press Pad	147.5	340
Bld 1	10.0	13

Sulfonation Room	45	71
Floor Bld - 1	35	402
	77.5	100
	40	20
	37.5	20
↓ Sulfonation Room		
Wall Bld - 1	165	131
	0	0
	20	55
	<del>20</del>	
END Storage Room	24	91
Bld - 1	24	0
	45	0
3 <sup>rd</sup> Floor Lab.	42	53
Bld - 1.	12	<del>124</del>
	25	208
Library 3 <sup>rd</sup> floor	42	37
Bld - 1		
Garage Storage Area		
Bld - 1 -	92	58
	360	595
Ball Mill Bldg.	30	0
	20	62
<del>                    </del>		



OLD Compressor Bldg. -	242	648
	145	320
<del>OLD Maintenance Bld</del>		
OLD Maintenance Bld -	107	262
	115	337
	197	390
Parking lot	7	0
Platform	15	47
Grinding Ball Mill	15	0
area	47	197.

U.S. ATOMIC ENERGY COMMISSION  
IDAHO OPERATIONS OFFICE  
ANALYTICAL CHEMISTRY BRANCH  
SAMPLE RECORD SHEET

REFERENCE: HEALTH SERVICES,  
LABORATORY

ROUTINE      SPECIAL     

SERIAL NO.     

SAMPLE FROM:       
COLLECTED BY:       
DATE SUBMITTED:     

SAMPLES RECEIVED:       
ANALYSIS COMPLETED:     

ANALYZED BY:     

SAMPLE			SAMPLE DESCRIPTION	ANAL. FOR #	INST. USED	QUANT. USED	TIME CNTD.	COUNT TIME	TOTAL COUNT	GROSS COUNT C/	BKGD. C/	NET COUNT C/	RESULTS D/
NO.	DATE	HOUR											
7/11	7/1		Soil, Burial Ground No. 1	nat		1.2		1.3	1.9	0.4	1.5	1.2	
				nat		0.5		6.0	18.8	18.8	0.0	2.5	
						(1.2)							
7/17			Soil, Burial Ground No. 2	nat		1.1			3.1	0.4	3.0	1.2	
				nat		0.5			78.3	18.8	0.0	1.1	
						(1.2)							
7/17			Soil, Burial Ground No. 3	nat		1.1			32.1	0.4	31.6	1.1	
				nat		0.5			20.0	18.8	1.2	6.1	
						(1.2)							
7/17			Soil, Burial Ground No. 4	nat		1.3			3.0	0.4	2.6	4.2	
				nat		0.5			88.0	18.8	69.2	2.5	
						(1.2)							
7/20			Soil, Burial Ground No. 5	nat		1.1			23.0	0.4	22.6	7.6	
				nat		0.5			44.2	18.8	25.4	2.0	
						(1.2)							
			Soil, Burial Ground No. 6	nat		1.5							
						(1.2)							

NOT FIED:      TIME:      RESAMPLING:      YES      NO     

RECOMMENDED:      YES      NO     

APPROVED:      SECTION CHIEF

U.S. ATOMIC ENERGY COMMISSION  
IDAHO OPERATIONS OFFICE  
ANALYTICAL CHEMISTRY BRANCH  
SAMPLE RECORD SHEET

REFERENCE: HEALTH SERVICES  
LABORATORY

ROUTINE \_\_\_\_\_ SPECIAL \_\_\_\_\_

SERIAL NO. 5167

SAMPLE FROM: Water  
COLLECTED BY: Protein  
DATE SUBMITTED: 8/8/74

SAMPLES RECEIVED: 8/16/74  
ANALYSIS COMPLETED: 9/9/74

ANALYZED BY: ADT

SAMPLE			SAMPLE DESCRIPTION	ANAL. FOR	INST. USED	QUANT. USED	TIME CNTD.	COUNT TIME	TOTAL COUNT	GROSS COUNT C/	BKGD. C/	NET COUNT C/	RESULTS D/
NO.	DATE	HOUR											
7104	9/1		Water, Stream (W.E. Craco)	nat		0.1	200	1	32 x 10 <sup>3</sup>	10	0.4	3.6	3.2 x 10 <sup>3</sup>
			Shoffield No. 1	nat		0.05	60	6.9 x 10 <sup>4</sup>	1.2 x 10 <sup>5</sup>	0.2	0.0		< 3 x 10 <sup>2</sup>
			Plant processed	CFSS					8.9 x 10 <sup>4</sup>	0.4			

NOT FIED: \_\_\_\_\_ TIME: 11:5 REAMPLING: YES \_\_\_\_\_  
RECOMMENDED: NO \_\_\_\_\_ APPROVED: \_\_\_\_\_ SECTION CHIEF

U.S. ATOMIC ENERGY COMMISSION  
 IDAHO OPERATIONS OFFICE  
 ANALYTICAL CHEMISTRY BRANCH  
 SAMPLE RECORD SHEET

REFERENCE: HEALTH SERVICES  
 LABORATORY

ROUTINE  SPECIAL

SERIAL NO: \_\_\_\_\_

SAMPLE FROM: \_\_\_\_\_  
 COLLECTED BY: W. J. ...  
 DATE SUBMITTED: 7/74

SAMPLES RECEIVED: 11/74  
 ANALYSIS COMPLETED: 1/9/74

ANALYZED BY: ARIF

SAMPLE			SAMPLE DESCRIPTION	ANAL. FOR	INST. USED	QUANT. USED	TIME CNTD.	COUNT TIME	TOTAL COUNT	GROSS COUNT C/	BKGD. C/	NET COUNT C/	RESULTS D/
NO.	DATE	HOUR											
2115	7/1		Water, outside plant	nat				1320	24	24	31		
2118			Water, inside plant	nat		0.05		1600	24	24	0.0	$2.3 \times 10^{-3}$	

NOT FIED: \_\_\_\_\_ TIME: 11:50 RESAMPLING: YES \_\_\_\_\_  
 RECOMMENDED: NO \_\_\_\_\_ APPROVED: ARIF SECTION CHIEF