PLAINTIFF'S EXHIBIT
DOW-1966

[illegible] OF 1980 MONITORING DATA

	# Tested	Average Reading	Highest Reading
1. HCBD			
A. Personnel - TWA			
Limit: 50 ppb	4	.31 ppb	.[illegible] ppb
B. Excursion	2	47.95 ppb	51.[illegible] ppb
1) Highest reading was HCBD sampling as requirement for disposal.			
C. Area	15	16.05 ppb	[illegible]
1) Highest reading obtained while draining HCBD system. A significant reading occurred while the HCBD system was being purged.			
2. NOISE			
A. Personnel - TWA			
Limit: 85 db (A) @ 100%	3-	87.8%	[illegible]
1) The highest result was obtained from contract employee who spent all day in the caustic and power area. Other upper range readings were obtained from the power operators.			

S1011026

Summary of 1980 Monitoring Data

	# Tested	Average Reading	Highest Reading
3. CHLORINE			
A. Personnel - TWA			
Limit: 1 ppm C	13	<.1 ppm	<.1 ppm
B. Excursion	12	<1.25 ppm	4.65 ppm
1) Ph sampling on the cells while back-pressuring was occurring resulted in the high reading. Other excursion readings were obtained while sampling chlorine.			
C. Area	13	<.461 ppm	1.53 ppm
1 The significant readings collected from area sampling occurred as a result of cell startups and a process upset.			
4. CAUSTIC			
A. Personnel - TWA	10	.059 mg/m³	[illegible]
Limit: 2 mg/m³ C			
B. Excursion	7	.035 mg/m³	[illegible]
C. Area	3	.177 mg/m³	.34 mg/m³
5. ASBESTOS			
A. Excursion			
Limit: 2 fib/cc >5	12	<.107 fib/cc>5μ	.16 fib/cc>5

ST0178266

	# Tested	...erage Reading	Highest Readin...
[redacted]			
6. HCL			
A. Excursion			
Limit: 7 mg/m³ C	4	.011 mg/m³	.016 m...
7. SULFURIC ACID			
A. Excursion			
Limit: 3 mg/m³	3	<.044 mg/m³	.09... m...

SI0178261

[redacted]

ST0178272

Block 3601 Person or Area Monitored [illegible] Sample № 01206

Monitoring for Cadmium Type Sample: ☐ Personnel ☐ Area ☑ Excursion ☐ Other Date 4/22/20

Other Chemicals Present: Job Classification SOT Description of task performed during monitoring period including any unusual activities [illegible]

Time Started 1605

Time Stopped 1715

Beginning Flow Rate 2.0 l/m Respirator used ☑ Yes ☐ No Type? N95

Ending Flow Rate 2.0 Wind, Temp. and Humidity NMEDS

Calibration Check Prior to Monitoring? ☑ Yes ☐ No

Calibration Equipment Used? [illegible] Form filled in by [illegible]

NOTE: Job description must be concise and complete.

ST0178273

Block 5601 Person or Area Monitored [illegible] Sample № 01208

Monitoring for [illegible] Type Sample: ☐ Personnel ☐ Area

☑ Excursion ☐ Other Date 1/10/90

Other Chemicals Present: Job Classification S.T Description of task performed during monitoring period including any unusual activities [illegible]

Time Started 1105

Time Stopped 1530

Beginning Flow Rate 2.0 l/m Respirator used ☑ Yes ☐ No Type? [illegible]

Ending Flow Rate 1.9 l/m

Wind, Temp. and Humidity SE @ 6

Calibration Check Prior to Monitoring? ☑ Yes ☐ No

Calibration Equipment Used? [illegible]

Form filled in by [illegible] Paul

NOTE: Job description must be concise and complete.

12 Block 3601 ST0178274 Person or Area Monitored Donald Young Sample № 00450

Monitoring for Asbestos

Type Sample: ☐ Personnel ☐ Area ☑ Excursion ☐ Other

Date 5/28/80

Job Classification OTT Description of task performed during monitoring period including any unusual activities Pulping cells S-3

Other Chemicals Present:

Time Started 1220

Time Stopped 1405

Beginning Flow Rate 1.7 l/min Respirator used ☑ Yes ☐ No Type? Half-face

Ending Flow Rate 1.7 l/min

Wind, Temp. and Humidity S-SE @ 5

Calibration Check Prior to Monitoring? ☑ Yes ☐ No

Calibration Equipment Used? Brooks

NOTE: Job description must be concise and complete.

Form filled in by [illegible]

DOW LOUISIANA DIVISION INDUSTRIAL HYGIENE

---

13 Block 3601 Person or Area Monitored Randy Gary Sample № 00451

Monitoring for Asbestos

Type Sample: ☐ Personnel ☐ Area ☒ Excursion ☐ Other

Date 5/28/80

Job Classification SOT Description of task performed during monitoring period including any unusual activities Pulping Cells

Other Chemicals Present:

Time Started 1235

Time Stopped 1405

Beginning Flow Rate 1.7 l/min Respirator used ☑ Yes ☐ No Type? Half-face

Ending Flow Rate 1.7 l/min

Wind, Temp. and Humidity S-SE @ 5

Calibration Check Prior to Monitoring? ☑ Yes ☐ No

Calibration Equipment Used? Brooks

NOTE: Job description must be concise and complete.

Form filled in by [illegible]

ST0178275

Block 3601 Person or Area Monitored [illegible] Sample № 00266

Monitoring for Acrylonitrile Type Sample: ☐ Personnel ☐ Area

☑ Excursion ☐ Other Date 5/15/80

Job Classification OTT Description of task performed during monitoring period

Other Chemicals Present: including any unusual activities Piping Cells

Time Started 1215

Time Stopped 1340

Beginning Flow Rate 1.7 l/min Respirator used ☑ Yes ☐ No Type? Half face

Ending Flow Rate 1.7 l/min

Wind, Temp. and Humidity

Calibration Check Prior to Monitoring? ☑ Yes ☐ No SE @ 6

Calibration Equipment Used? Rotameter

NOTE: Job description must be concise and complete. Form filled in by [illegible]

DOW LOUISIANA DIVISION INDUSTRIAL HYGIENE

ST0178276

Block 3601

Monitoring for Pulp

Other Chemicals Present:

Time Started 0945

Time Stopped 1030

Beginning Flow Rate 1.7 l/min

Ending Flow Rate 1.7 l/min

Calibration Check Prior to Monitoring? ☑ Yes ☐ No

Calibration Equipment Used? Brooks

NOTE: Job description must be concise and complete.

Person or Area Monitored Bruce Mill

Sample № 00443

Type Sample: ☐ Personnel ☐ Area

☑ Excursion ☐ Other

Date 4/9/80

Job Classification SOT

Description of task performed during monitoring period including any unusual activities Pulping on S-6

Respirator used ☑ Yes ☐ No

Type? Half-face

Wind, Temp. and Humidity

N-MW: 4

Form filled in by Jackie Fuel

DOW LOUISIANA DIVISION INDUSTRIAL HYGIENE

ST0178277

Block 2601 Person or Area Monitored Kraft Section Sample № 00434

Monitoring for Chlorine Type Sample: ☐ Personnel ☐ Area

☑ Excursion ☐ Other Date 3/20/80

Job Classification OII Description of task performed during monitering period

Other Chemicals Present: including any unusual activities Pulping Cells

Time Started 1430

Time Stopped 1530

Beginning Flow Rate 1.7 L/m Respirator used ☑ Yes ☐ No Type? Half-face

Ending Flow Rate 1.7 Wind, Temp. and Humidity

Calibration Check Prior to Monitering? ☑ Yes ☐ No SW 12

Calibration Equipment Used? Bacho

NOTE: Job description must be concise and complete. Form filled in by Jackie Paul

DOW LOUISIANA DIVISION INDUSTRIAL HYGIENE

ST0170278

Block 3601

Monitoring for Asbestos

Other Chemicals Present:

Person or Area Monitored John Doe

Type Sample: ☐ Personnel ☐ Area ☑ Excursion ☐ Other

Job Classification OIL

Including any unusual activities Pulping S-6, 5 and 1

Sample № 00444

Date 5/1/80

Description of task performed during monitoring period

Time Started 0935

Time Stopped 1040

Beginning Flow Rate 1.7 l/min

Ending Flow Rate 1.7 l/min

Respirator used ☑ Yes ☐ No

Type? Half-face

Calibration Check Prior to Monitoring? ☑ Yes ☐ No

Calibration Equipment Used? Bubble

Wind, Temp. and Humidity

SE 6 mph

NOTE: Job description must be concise and complete.

Form filled in by

Asbestos	12	HCl	7	Noise	21	Total 1
Cl2	40	H2SO4	4	~~Chlorothene~~	~~15~~	
HCBD	36	NaOH	17			

	Area	Test for	Comments	# Test	
1	Brine	✓ Cl2	Normal rds	3	///
2		✓ Cl2	Stat	4	////
		✓ HCBD	normal rds	2	//
4		✓ NaOH	normal rds	3	///
5		✓ Noise	normal rds	4	////
6		~~H2SO4~~	~~peak~~	~~4~~	
7	Liquefaction	✓ HCL	peak amp	4	////
8		✓ Cl2	Chromatograph	4	////
9		✓ Cl2	normal rds	2	//
10		~~Cl2~~	~~stat~~	~~2~~	
11		✓ HCBD	norm rds	2	//
12		HCBD	disassembly	20	~~////~~ //
13		HCBD	stationary	8	~~////~~ ~~////~~
14		✓ Noise	normal rds	3	///
15					
16	Cells	✓ Cl2	norm rds	6	~~////~~ /
17		✓ Cl2	Stat	4	////
18		Asbestos	pulping	12	~~////~~ ~~////~~
19		✓ Noise	normal rds	3	///
20					
21	Cell Crew	✓ NaOH	cell data	4	////
22		Cl2	cell data	8	////
23		~~HCBD~~	~~normal rds~~	~~2~~	
24		✓ Cl2	Bring up series	2	////
25					
26	Power	✓ Noise	normal rds	6	~~////~~ /
27		✓ Cl2	stationary	2	//
28					
29					
30	Caustic	✓ NaOH	nor rds	4	////
31		✓ Noise	nor rds	4	////
32					
33	~~Stat~~ - Peaks	//			
34	Craft - Peaks				
35					
36	EDO (all peak)	~~HCBD~~		~~2~~	
37		Cl2		3	
38	3 pio	NaOH		6	///
39	5	✓ Noise		3	///
40					
	S/S	✓ Noise		4	////

T - 301 log
Clarifier - Sparkler Filter

SAMPLING SCHEDULE FOR 1980

HAZARD	NO. OF SAMPLES	QUARTER
Asbestos	3	1
	3	2
	3	3
	3	4
HCBD	6	1
	24	2
	6	3
	0	4
Chlorine	10	1
	10	2
	10	3
	10	4
HCl	1	1
	1	2
	1	3
	1	4
Sulfuric Acid	1	1
	1	2
	1	3
	1	4
Caustic	4	1
	4	2
	5	3
	4	4
Noise	6	1
	7	2
	7	3
	7	4
Chlorothene	7	1
	8	2
TOTAL SAMPLES	155	

SHORT TERM SAMPLING APX. 27%

SHORT TERM SAMPLING ON INSTRUMENT AND CRAFTSMAN AS NEEDED

ST0178260

1980 GOALS AND ACCOMPLISHMENTS

1. HCBD system is no longer in operation and will be completely demolitioned this year.

   All vessels pertaining to the HCBD system have been removed.

2. We now have block chlorine monitors in service which are to be used in detecting areas of chlorine exposure.

   The performance on the monitoring system has been improved and is reliable in detecting chlorine.

3. Wet asbestos pulping system will be in service this year.

   We now have a wet asbestos wagon which is used in puling cells. The wagon is filled with wet asbestos at Cell Service which eliminates having to handle the dry pulp.

4. We plan to eliminate chlorine cell dampers and water seal pots in the cell area this year.

   This was accomplished during the shutdown.

S10178281

Additional Accomplishments

1. Improvements to the respiratory equipment were made this year. Scott air paks were wall mounted for quicker and easier access. Robertshaw 5-minute escape supplied air paks were mounted throughout the plant to replace full-face cartridge masks.

2. Repaired liquid distributor baffle in T-200 scrubber which improved scrubbing efficiency and lessens emissions when in service.

3. The air wash column silencers were replaced which reduced noise levels significantly.

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NAME	1980		
Cochran, R.	5/30		
Canova, P.	5/30	Terminated	Aug '80
Cole, S.	5/30		
Lewis, J.	7/29		
Lindsly, J.	5/12		
Marshall, J.	5/30		
Rawlings, J.	5/30		
Sharkey, B.	5/12		
Wade, K.	5/28		
Ross, Kelley S.	7/29		
Kracen, Jackie	5/12	Terminated	Aug '80
[illegible]	7/25		
Babin, W.	7/17		
Jones, B.	10/2		
Almond, C.	5/7	Transferred	Sept '80
Dwyer, G.	5/21		
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S1017282

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Paul, J.	5/7		
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Stewart, L.	5/28		
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Venable, M.	5/31		
Wade, C.	5/28		
Wales, W.	5/22	Transfer to	Left dept July '80
Williams, A.	5/7		
Williams, F.	7/31		
Williams, S.	5/28		
Young, D.	5/30		
Zeringue, J.	5/	Omitted	8/80

ST0173260

#4 Block 3601 Person or Area Monitored Allen Hearth Sample № 01560

Monitoring for Asbestos Type Sample: ☐ Personnel ☐ Area

☒ Excursion ☐ Other Date 11/25/80

Other Chemicals Present: Job Classification SOT Description of task performed during monitoring period including any unusual activities Pulling Wire

Time Started 0930

Time Stopped 1030

Beginning Flow Rate 2.0 l/m Respirator used ☒ Yes ☐ No Type? 3

Ending Flow Rate 2.0 l/m

Wind, Temp. and Humidity Wind @ 10

Calibration Check Prior to Monitoring? ☑ Yes ☐ No

Calibration Equipment Used? Rotameter

Form filled in by J Pond

NOTE: Job description must be concise and complete.

DOW LOUISIANA DIVISION INDUSTRIAL HYGIENE

ST0178269

#4 Block 3601

Person or Area Monitored Benson Mabile

Sample № 01539

Monitoring for Asbestos

Type Sample: ☐ Personnel ☐ Area ☒ Excursion ☐ Other

Date 11/25/80

Other Chemicals Present:

Job Classification SOT

Description of task performed during monitoring period including any unusual activities [illegible]

Time Started 1330

Time Stopped 1545

Beginning Flow Rate 2.0 l/min

Respirator used ☒ Yes ☐ No

Type? 2

Ending Flow Rate 2.0 l/min

Wind, Temp. and Humidity

Calibration Check Prior to Monitoring? ☒ Yes ☐ No

Calibration Equipment Used? Brush Meter

Form filled in by J. Paul

NOTE: Job description must be concise and complete.

DOW LOUISIANA DIVISION INDUSTRIAL HYGIENE

ST0178270

#4 Block 3601

Person or Area Monitored Larry Lawton / Cells

Sample № 01538

Monitoring for Asbestos

Type Sample: ☐ Personnel ☐ Area

☒ Excursion ☐ Other

Date 11-21-80

Other Chemicals Present:

Job Classification SOI

Description of task performed during monitoring period including any unusual activities Pulping Cells

Time Started 2:00 PM

Time Stopped 4:00 PM

Beginning Flow Rate 2.0 l/min

Respirator used ☒ Yes ☐ No

Type? 3

Ending Flow Rate 2.0 l/min

Wind, Temp. and Humidity

Calibration Check Prior to Monitoring? ☒ Yes ☐ No

Calibration Equipment Used? [illegible]

NOTE: Job description must be concise and complete.

Form filled in by [illegible]

DOW LOUISIANA DIVISION INDUSTRIAL HYGIENE

ST0178271

#2 3601

ock

onitoring for Asbestos

Person or Area Monitored Platte Gordon

Sample № 01564

Type Sample: ☐ Personnel ☐ Area

☒ Excursion ☐ Other

Date 11/14/

Chemicals Present:

Job Classification [illegible]

Description of task performed during monitoring period

Including any unusual activities [illegible]

me Started 10:50

me Stopped 11:10

ginning Flow Rate 2.0 l/m

Respirator used ☒ Yes ☐ No

Type?

ding Flow Rate 2.0 l/m

Wind, Temp. and Humidity

libration Check Prior to Monitoring? ☒ Yes ☐ No

libration Equipment Used? [illegible]

Form filled in by J. [illegible]

OTE: Job description must be concise and complete.

LOUISIANA DIVISION INDUSTRIAL HYGIENE

ASBESTOS EMPLOYEE EXPOSURE SUMMARY

S10170321

EMPLOYEE EXPOSURE SUMMARY

QUARTER 1 YEAR [illegible]

PLANT 3A 11 BLOCK 3601 STRESS [illegible]

MINIMAL DETECTABLE LIMIT AND UNIT 201 [illegible] > 5 u

TLV LIMIT 2 [illegible] > 5 u

			PERSONNEL					AREA				EXCURSION			
NO.	JOB CLASS	AREA/ TASK	*PT. EQ.	TWA BASIS	NO. SAMPLES	AVG.	HIGH	SAMPLE DURATION	NO. SAMPLES	AVG.	HIGH	EXCUR. DURATION	NO. SAMPLES	AVG.	HIGH
01	OTT	4	2									1 [illegible]	1	<.01	<.01
0	OT														
03	SOT														
04	OS														
05	SS														
06	EDO														
07	LAB														
08	TECH														
09	CLER.														
10	INSTR														
11	LABORER														
12	SUMMER														
1	CONT MAINT														
14	NON-OS SPEC.														
15	SECUR.														
16	MATL CONT														
17	LOADING														
18	T/C CLNG														
19	MGRS/NON-OP														
20	AREA SAMP (NO JC)														

* PROTECTIVE EQUIPMENT: (1) Mouthbit (2) Full Face (3) Half or Dust Face (4) Air Supply (5) Hearing Protection

3101 10320

EMPLOYEE EXPOSURE SUMMARY

QUARTER 2 YEAR 80

PLANT PAI BLOCK 3601 STRESS Asbestos MINIMAL DETECTABLE LIMIT AND UNIT .01 fib/cc = 5m

TLV LIMIT 2 fib/cc = 5m

NO.	JOB CLASS	AREA/ TASK	PERSONNEL *PT. EQ.	PERSONNEL TWA BASIS	PERSONNEL NO. SAMPLES	PERSONNEL AVG.	PERSONNEL HIGH	AREA SAMPLE DURATION	AREA NO. SAMPLES	AREA AVG.	AREA HIGH	EXCURSION EXCUR. DURATION	EXCURSION NO. SAMPLES	EXCURSION AVG.	EXCURSION HIGH
01	OTT	4	2									1hr 25min	1	<.01	<.01
0	OT														
03	SOT	4	2									1hr 30min	1	.05	.05
04	OS														
05	SS														
06	EDO														
07	LAB														
08	TECH														
09	CLER.														
10	INSTR														
11	LABORER														
12	SUMMER														
*	CONT MAINT														
14	NON-OS SPEC.														
15	SECUR.														
16	MATL CONT														
17	LOADING														
18	T/C CLNG														
19	MGRS/NON-OP														
20	AREA SAMP (NO JC)														

* PROTECTIVE EQUIPMENT: (1) Mouthbit (2) Full Face (3) Half or Dust Face (4) Air Supply (5) Hearing Protection

3101 10329

EMPLOYEE EXPOSURE SUMMARY

QUARTER 2 YEAR 1980

PLANT CHTI BLOCK 3601 STRESS Asbestos

MINIMAL DETECTABLE LIMIT AND UNIT .001 fib/cc > 5μ

TLV LIMIT 2 fib/cc > 5μ

			PERSONNEL					AREA				EXCURSION			
NO.	JOB CLASS	AREA/ TASK	*PT. EQ.	TWA BASIS	NO. SAMPLES	AVG.	HIGH	SAMPLE DURATION	NO. SAMPLES	AVG.	HIGH	EXCUR. DURATION	NO. SAMPLES	AVG.	HIGH
01	OTT	2	2									1 hr 3 min	1	0.4	0.4
C	OT														
03	SOT	4	2									45 min	1	.10	.10
04	OS														
05	SS														
06	EDO														
07	LAB														
08	TECH														
09	CLER.														
10	INSTR														
11	LABORER														
12	SUMMER														
[illegible]	CONT MAINT														
14	NON-OS SPEC.														
15	SECUR.														
16	MATL CONT														
17	LOADING														
18	T/C CLNG														
19	MGRS/NON-OP														
20	AREA SAMP (NO JC)														

* PROTECTIVE EQUIPMENT: (1) Mouthbit (2) Full Face (3) Half or Dust Face (4) Air Supply (5) Hearing Protection

[illegible]

EMPLOYEE EXPOSURE SUMMARY

QUARTER 2 YEAR [illegible]

PLANT [illegible] BLOCK 3601 STRESS Asbestos MINIMAL DETECTABLE LIMIT AND UNIT [illegible]

TLV LIMIT 2 fib/cc >5 μ

			PERSONNEL					AREA				EXCURSION			
NO.	JOB CLASS	AREA/ TASK	*PT. EQ.	TWA BASIS	NO. SAMPLES	AVG.	HIGH	SAMPLE DURATION	NO. SAMPLES	AVG.	HIGH	EXCUR. DURATION	NO. SAMPLES	AVG.	HIGH
01	OTT	4	2									1 hr 45 min	1	.03	.03
0	OT														
03	SOT														
04	OS														
05	SS														
06	EDO														
07	LAB														
08	TECH														
09	CLER.														
10	INSTR														
11	LABORER														
12	SUMMER														
1	CONT MAINT														
14	NON-OS SPEC.														
15	SECUR.														
16	MATL CONT														
17	LOADING														
18	T/C CLNG														
19	MGRS/NON-OP														
20	AREA SAMP (NO JC)														

* PROTECTIVE EQUIPMENT: (1) Mouthbit (2) Full Face (3) Half or Dust Face (4) Air Supply (5) Hearing Protection

ST0178331

EMPLOYEE EXPOSURE SUMMARY

QUARTER [illegible] YEAR [illegible]

PLANT CAI BLOCK 36-4 STRESS [illegible]

MINIMAL DETECTABLE LIMIT AND UNIT .001 [illegible]

TLV LIMIT 2 fib/cc > 5 μ

NO.	JOB CLASS	AREA/ TASK	PERSONNEL *PT. EQ.	TWA BASIS	NO. SAMPLES	AVG.	HIGH	AREA SAMPLE DURATION	NO. SAMPLES	AVG.	HIGH	EXCURSION EXCUR. DURATION	NO. SAMPLES	AVG.	HIGH
01	OTT														
02	OT														
03	SOT	4	2									1 hr 10 min	1	.05	.05
04	OS														
05	SS														
06	EDO														
07	LAB														
08	TECH														
09	CLER.														
10	INSTR														
11	LABORER														
12	SUMMER														
13	CONT MAINT														
14	NON-OS SPEC.														
15	SECUR.														
16	MATL CONT														
17	LOADING														
18	T/C CLNG														
19	MGRS/NON-OP														
20	AREA SAMP (NO JC)														

* PROTECTIVE EQUIPMENT: (1) Mouthbit (2) Full Face (3) Half or Dust Face (4) Air Supply (5) Hearing Protection

PLANT C/I BLOCK 3601 STRESS [illegible]

MINIMAL DETECTABLE LIMIT AND UNIT .001 fil/cc >5μ

TLV LIMIT 2 fil/cc >5μ

NO.	JOB CLASS	AREA/ TASK	PERSONNEL					AREA				EXCURSION			
			*PT. EQ.	TWA BASIS	NO. SAMPLES	AVG.	HIGH	SAMPLE DURATION	NO. SAMPLES	AVG.	HIGH	EXCUR. DURATION	NO. SAMPLES	AVG.	HIGH
01	OTT														
02	OT														
03	SOT	4	2									1h 25min	1	.15	.15
04	OS														
05	SS														
06	EDO														
07	LAB														
08	TECH														
09	CLER.														
10	INSTR														
11	LABORER														
12	SUMMER														
1	CONT MAINT														
14	NON-OS SPEC.														
15	SECUR.														
16	MATL CONT														
17	LOADING														
18	T/C CLNG														
19	MGRS/NON-OP														
20	AREA SAMP (NO JC)														

* PROTECTIVE EQUIPMENT: (1) Mouthbit (2) Full Face (3) Half or Dust Face (4) Air Supply (5) Hearing Protection

S101 78333

EMPLOYEE EXPOSURE SUMMARY

QUARTER 1 YEAR 1700

PLANT CA II BLOCK 3601 STRESS Asbestos

MINIMAL DETECTABLE LIMIT AND UNIT .001 fib/cc > 5μ

TLV LIMIT 2 fib/cc > 5μ

			PERSONNEL					AREA				EXCURSION			
NO.	JOB CLASS	AREA/ TASK	*PT. EQ.	TWA BASIS	NO. SAMPLES	AVG.	HIGH	SAMPLE DURATION	NO. SAMPLES	AVG.	HIGH	EXCUR. DURATION	NO. SAMPLES	AVG.	HIGH
01	OTT														
02	OT														
03	SOT	4	2									1hr 10min	1	.12	.12
04	OS														
05	SS														
06	EDO														
07	LAB														
08	TECH														
09	CLER.														
10	INSTR														
11	LABORER														
12	SUMMER														
1	CONT MAINT														
14	NON-OS SPEC.														
15	SECUR.														
16	MATL CONT														
17	LOADING														
18	T/C CLNG														
19	MGRS/NON-OP														
20	AREA SAMP (NO JC)														

* PROTECTIVE EQUIPMENT: (1) Mouthbit (2) Full Face (3) Half or Dust Face (4) Air Supply (5) Hearing Protection

S101 78334

EMPLOYEE EXPOSURE SUMMARY

QUARTER 4 YEAR 1980

PLANT CAII BLOCK 3601 STRESS Asbestos

MINIMAL DETECTABLE LIMIT AND UNIT .001 fib/cc >5μ

TLV LIMIT 2 fib/cc >5μ

			PERSONNEL					AREA				EXCURSION			
NO.	JOB CLASS	AREA/ TASK	*PT. EQ.	TWA BASIS	NO. SAMPLES	AVG.	HIGH	SAMPLE DURATION	NO. SAMPLES	AVG.	HIGH	EXCUR. DURATION	NO. SAMPLES	AVG.	HIGH
01	OTT														
0	OT														
03	SOT	4	2									2hr 15min	1	.08	.08
04	OS														
05	SS														
06	EDO														
07	LAB														
08	TECH														
09	CLER.														
10	INSTR														
11	LABORER														
12	SUMMER														
1	CONT MAINT														
14	NON-OS SPEC.														
15	SECUR.														
16	MATL CONT														
17	LOADING														
18	T/C CLNG														
19	MGRS/NON-OP														
20	AREA SAMP (NO JC)														

* PROTECTIVE EQUIPMENT: (1) Mouthbit (2) Full Face (3) Half or Dust Face (4) Air Supply (5) Hearing Protection

S101[illegible] EMPLOYEE EXPOSURE SUMMARY QUARTER 1 YEAR 1980

PLANT CA II BLOCK 3601 STRESS Asbestos MINIMAL DETECTABLE LIMIT AND UNIT .001 fib/cc >5μ

TLV LIMIT 2 fib/cc >5μ

NO.	JOB CLASS	AREA/ TASK	PERSONNEL *PT. EQ.	TWA BASIS	NO. SAMPLES	AVG.	HIGH	AREA SAMPLE DURATION	NO. SAMPLES	AVG.	HIGH	EXCURSION EXCUR. DURATION	NO. SAMPLES	AVG.	HIGH
01	OTT														
02	OT														
03	SOT	1	2									2 hr	1	.16	.16
04	OS														
05	SS														
06	EDO														
07	LAB														
08	TECH														
09	CLER.														
10	INSTR														
11	LABORER														
12	SUMMER														
1	CONT MAINT														
14	NON-OS SPEC.														
15	SECUR.														
16	MATL CONT														
17	LOADING														
18	T/C CLNG														
19	MGRS/NON-OP														
20	AREA SAMP [illegible]JC)														

* [illegible]TIVE EQUIPMENT: (1) Mouthbit (2) Full Face (3) Half or [illegible] Face (4) Air Supply (5) [illegible]

ST0178336

EMPLOYEE EXPOSURE SUMMARY

QUARTER 7 YEAR 1980

PLANT [illegible] BLOCK 3601 STRESS [illegible]

MINIMAL DETECTABLE LIMIT AND UNIT .001 fib/cc >5μ

TLV LIMIT 2 fib/cc >5μ

			PERSONNEL					AREA				EXCURSION			
NO.	JOB CLASS	AREA/ TASK	*PT. EQ.	TWA BASIS	NO. SAMPLES	AVG.	HIGH	SAMPLE DURATION	NO. SAMPLES	AVG.	HIGH	EXCUR. DURATION	NO. SAMPLES	AVG.	HIGH
01	OFT														
02	OT														
03	SOT	4	2									1 hr	1	.12	.12
04	OS														
05	SS														
06	EDO														
07	LAB														
08	TECH														
09	CLER.														
10	INSTR														
11	LABORER														
12	SUMMER														
1	CONT MAINT														
14	NON-OS SPEC.														
15	SECUR.														
16	MATL CONT														
17	LOADING														
18	T/C CLNG														
19	MGRS/NON-OP														
20	AREA SAMP (NO JC)														

* PROTECTIVE EQUIPMENT: (1) Mouthbit (2) Full Face (3) Half or Dust Face (4) Air Supply (5) Hearing Protection

ST0170345

TEST RESULTS BY CLASSIFICATION

S101 16346

CLASSIFICATION: OTT

TYPE	AREA	JOB CLASS.	NAME	TIME START	TIME STOP	DURATION	CALIBRATE BEFORE/AFTER	WIND COND.	SAFETY EQUIPMENT	HCBD	NOISE	CHLORINE	ASBESTOS	CAUSTIC	HCl	H_2SO_4	CHLOROTHENE	REMARKS
										50 ppb	85db 100%	1 ppm	2 f/cc >5μ	2 mg/m³	7 mg/m³	1 mg/m³	350 ppm	OSHA OR DOW STANDARD
E	11	OTT	Redacted	1308	1405	57min	5/5	[illegible]	3			1.05						catching fish - background

S101 78347

CLASSIFICATION: OTT

DATE	TYPE	AREA	JOB CLASS.	NAME	TIME START	TIME STOP	DURATION	CALIBRATE BEFORE/AFTER	WIND COND.	SAFETY EQUIPMENT	HCBD	NOISE	CHLORINE	ASBESTOS	CAUSTIC	HCl	H_2SO_4	CHLOROTHENE	REMARKS
											50 ppb	85dbA 100%	1 ppm	2 fib/cc >5μ	2 mg/m³	7 mg/m³	1 mg/m³	350 ppm	OSHA OR DOW STANDARD
/20	P	3	OTT	Redacted	0800	1600	8 hr	[illegible]	[illegible]	0	.13								Gen. duties in Brine area
/2[illegible]	E	4	OTT		1430	1530	1 hr	1.7/1.7	SW@12	3				<.01					Pulping cells
/21	P	11	OTT		0800	1530	7½ hr	1.7/1.5	NE@16	3					.243				Running pH
/21	E	11	OTT		0800	1200	4 hr	1.7/1.2	NE@16	0					.054				Running pH
/25	E	4	OTT		0800			1.7/	NE@10	3	Need sample expected to [illegible]								Pulping Cells
/1	P	3	OTT		0800	1600	8 hr	.146/.113	SE@8	0	0.3								Gen. Brine area
/9	P	3	OTT		0800	1600	8 hr.			5		5							Gen. Brine area
/1	E	4	OTT		0735	1040	1 hr 5 min	1.7/1.7	SE@6	3				0.4					Pulping Cells
/9	P	4	OTT		0730	1535	8 hr.	.5/.5	NE@6	0			<.1						Cell Ops.
/15	E	4	OTT		1215	1340	1 hr 25 min	1.7/1.7	SE@6	3				<.01					Pulping Cells
/23	P	3	OTT		0730	1525	8 hr	.55/.5	SW@2	0			<.1						Gen. Duties
/28	E	4	OTT		1330	1405	1 hr 45 min	[illegible]/1.7	SSE@5	3				0.03					Pulping Cells
/2.	P	3	OTT		0735	1535	8 hr	.05/.45	SSE@5	0			<.1						Gen. duties
/5	P	3	OTT		0730	1400	6½ hr	.9/1.55	SE@4	0					.025				Gen Duties Brine
/26	P	3	OTT		0730	1515	7 hr 45 min	1.7/1.65	SSE@6	0					.100				Gen Duties Brine
/17	P	3	OTT		0730	1535	8 hr 5 min	2.0/.5	SW@2	0					.034				Gen Duties Brine
/27	P	3	OTT	[illegible]	0730	1530	8 hr			5		0							Brine-general
/12	P	3	OTT	[illegible]	0730	1535	8 hr 5 min			5		61							Brine-general
/19	P	11	OTT	[illegible]	0730	1530	8 hr			5		2							Cell Crew
/18	P	3	OTT		0730	1530	8 hr			5		16							Brine-general
/16	P	3	OTT		0730	1530	8 hr			5		5							Brine-general
/17	E	11	OTT	[illegible]	1320	1410	50 min	.5/.5	SW@10	3			2.5						Catching pH's Back pressure
/10	E	11	OTT	[illegible]	1405	1450	45 min	.05/.5	NE@2	3			.18						Catching pH's on Cells

ST0178349

CLASSIFICATION: O.T.

[illegible]	TYPE	AREA	JOB CLASS.	NAME	TIME START	TIME STOP	DURATION	CALIBRATE BEFORE/AFTER	WIND COND.	SAFETY EQUIPMENT	HCBD	NOISE	CHLORINE	ASBESTOS	CAUSTIC	HCl	H_2SO_4	CHLOROTHENE	REMARKS
											50 ppb	85dbl 100%	1 ppm	2 fib/cc >5μ	2 mg/m³	7 mg/m³	1 mg/m³	350 ppm	OSHA OR DOW STANDARD
130	P	3	OT	Redacted	0730	1330	6 hr	.5 [illegible]	W@3-5	0			<.1						Brine - general
36	E	11	OT		0935	1015	40 min	1.7/1.7	[illegible]	0					.023				Catching gel's
15	E	4	OT		1215	1250	40 min	.5/.5	SE@6	3			4.65						Catching PH's Back pressure

CLASSIFICATION: SOT ST0170349

	TYPE	AREA	JOB CLASS.	NAME	TIME START	TIME STOP	DURATION	CALIBRATE BEFORE/AFTER	WIND COND.	SAFETY EQUIPMENT	HCBD	NOISE	CHLORINE	ASBESTOS	CAUSTIC	HCl	H_2SO_4	CHLOROTHENE	REMARKS
											50 ppb	85dbl 100%	1 ppm	2 f/cc >5μ	2 mg/m³	7 mg/m³	1 mg/m³	350 ppm	OSHA OR DOW STANDARD
24	E	4	SOT	Redacted	1400	1600	2 hr	3.0/6.0		3				.16					Pulping Cellar
25		4	SOT		1330	1545	2 hr 15 m	2.0/2.0	NW 12	3				.08					Pulping Cellar
25	E	4	SOT		0930	1030	1 hr	2.0/2.0	NW 10	3				.12					Pulping Cellar
30	E	2	SOT		1401	1406	5 min	.5/.5	NW 10	0						.016			entering HC.1 samples

CLASSIFICATION: SOT

	TYPE	AREA	JOB CLASS.	NAME	TIME START	TIME STOP	DURATION	CALIBRATE BEFORE/AFTER	WIND COND.	SAFETY EQUIPMENT	HCBD	NOISE	CHLORINE	ASBESTOS	CAUSTIC	HCl	H_2SO_4	CHLOROTHENE	REMARKS
											50 ppb	85dbA 100%	1 ppm	2 fib/cc >5μ	2 mg/m³	7 mg/m³	1 mg/m³	350 ppm	OSHA OR DOW STANDARD
16	E	2	SOT	Redacted	0830	0850	20 min	.5l/.5	SSE@6	0			.10						[illegible] samples
17		2	SOT		0830	0835	5 min	.5l/.5	NE@6	0						<.01			catching HCl samples
2	P	5	SOT		0730	1535	8 hr 5 min	2.0l/1.5	NE@6-8	0					.036				gen. duties in caustic area
12	E	4	SOT		0835	1240	4 hr 5 min	.5l/.5	NE@6-8	3			<.1						Bringing up cells
2	E	4	SOT		0835	1130	3 hr 5 min	.5l/.5	NE@6-8	3			<.1						ditto
15	E	4	SOT		1405	1530	1 hr 25 min	2.0/1.0	SE@6					.15					Pulping Cells
16	P	5	SOT		0730	1530	8 hr			5		99							Caustic - gen.
16	P	6	SOT		0730	1530	8 hr			5		50							Power - gen
17	P	4	SOT		0730	1530	8 hr			5		97							Cells - gen.
2	P	2	SOT		0730	1530	8 hr			5		14							Liq - special proj.
15	P	5	SOT		0730	1525	7 hr 5 min			5		45							Caustic - gen
15	P	2	SOT		0730	1530	8 hr			5		40							Liq - sp. project
13	E	4	SOT		1605	1715	1 hr 10 min	2.0l/2.0	NNE@2	3				.05					Pulping Cells
19	P	4	SOT		0730	1530	8 hr			5		23							Cells
18	P	6	SOT		0730	1530	8 hr			5		105							Power
18	P	2	SOT		0730	1530	8 hr			5		28							Liquefaction
16	P	6	SOT		0730	1530	8 hr			5		105							Power
16	P	4	SOT		0730	1530	8 hr			5		17							Cells - gen.
13	E	2	SOT		11:53	12:05	18 min	.5l/.5	ENE@9	3			<.1						Catching gas chromatograph
13	P	2	SOT		0730	1530	8 hr	.5l/.5	ENE@9	0			<.1						Liquefaction - gen.
3	P	4	SOT		0730	1530	8 hr	.5l/.5	ENE@9	0			<.1						Cell area - gen.
19	E	4	SOT		1050	1110	1 hr 10 min	2.0/2.0	NE@9	3				.12					Pulping cells

S101 78351

CLASSIFICATION: S.O.T.

	TYPE	AREA	JOB CLASS.	NAME	TIME START	TIME STOP	DURATION	CALIBRATE BEFORE/AFTER	WIND COND.	SAFETY EQUIPMENT	HCBD	NOISE	CHLORINE	ASBESTOS	CAUSTIC	HCl	H_2SO_4	CHLOROTHENE	REMARKS
											50 ppb	85dbl 100%	1 ppm	2 fib/cc >5μ	2 mg/m³	7 mg/m³	1 mg/m³	350 ppm	OSHA OR DOW STANDARD
0	P	5	SOT	Redacted	0800	1600	8 hr	1.5/1.5	[illegible]	0					.026				General Duties
2	P	2	SOT		0800	1600	8 hr	.154/.143	SE@8	0	.11								Gen. Duties
11	E	5	SOT		0800	1300	5 hr	1.7/1.7	NE@6	0	See E DO								
15	P	6	SOT		0800	1600	8 hr			5		18							Gen. Duties
15	P	4	SOT		0800	1600	8 hr			5		25							Gen. Duties
1	P	2	SOT		0800	1600	8 hr	.15/.146	SE@5	0	0.7								Gen. Duties
	P	6	SOT		0800	1600	8 hr			5		1							Gen. Duties
7	E	4	SOT		0945	1050	45 min	1.73/1.7	NW@4	3				.10					Pulping [illegible]
11	P	5	SOT		0800	1600	8 hr			5		20							Gen. Duties
19	E	2	SOT		1010	1040	30 min	1.153/1.15	NE@6	1			2.99						Sampling gas Chromatograph
7	P	[illegible]	SOT		0715	1530	8 hr.		NE@6	5		15							Gen. duties
23	P	4	SOT		0730	1525	8 hr	.55/.5	SW@2	0			<.1						Gen. duties
2	E	4	SOT		1235	1405	1 hr 30	1.7/1.7	SSE@5	3				.05					Pulping Cells
29	P	2	SOT		0730	1535	8 hr	.5/.4	SSE@5	0			<.1						Gen. duties
30	E	2	SOT		1310	1320	10 min	.6/.6	SE@7	1			1.64						Sampling gas Chromatograph
30	P	5	SOT		0700	1555	6 hr 55	1.7/1.6	SE@7	0					.05				Gen. Duties
16	P	5	SOT		0730	1500	7½ hr	1.7/1.7	W@6	0					.04				Gen Duties
26	P	4	SOTT		0730	1430	7 hrs	.55/.5	W@6	0			<.1						Gen Duties
28	E	4	SOT		0945	1025	40 min	1.7/1.7	WSW@7	0					.06				Catching gph's on cells
27	P	4	SOTT		0730	1330	6 hr	.5/.5	NNW@3	0			<.1						Gen. Duties
31	E	2	SOT		1315	1317	2 min	.5/.5	NNW@2	0						<.01			Catching HCl [illegible]
31	P	2	SOT		0730	1330	6 hr	.5/.35	SSE@1	0			<.1						Gen duties Liq.
6	E	2	SOT		1300	1305	5 min	.5/.5	E@7	0						<.01			Catching HCl [illegible]

CLASSIFICATION: O.S.

	TYPE	AREA	JOB CLASS.	NAME	TIME START	TIME STOP	DURATION	CALIBRATE BEFORE/AFTER	WIND COND.	SAFETY EQUIPMENT	HCBD	NOISE	CHLORINE	ASBESTOS	CAUSTIC	HCl	H_2SO_4	CHLOROTHENE	REMARKS
											50 ppb	85dbl 100%	1 ppm	2 fib/cc >5μ	2 mg/m³	7 mg/m³	1 mg/m³	350 ppm	OSHA OR DOW STANDARD
/12	E	2	OS	Redacted	1005	1010	5 min	.15/.15	SSE@15	4	✓81.0								Catching HCBD Sample
/1	[illegible]	2	OS		1040	1325	2 hr 45 min	.14/.0	SSE@5	4	✓14.9								Doing area [illegible]
/18	E	3	OS		0750	1010	20 min	.5/.5	S@4	3			1.45						Catching [illegible] Clean sample
/11	P	4	OS		0730	1530	8 hr	.5/.4	ENE@10	2			<.1						Cell area - zone
/11	P	5	OS		0730	1530	8 hr			5		40							Caustic area

S101 /0353

CLASSIFICATION: EDO

DATE	TYPE	AREA	JOB CLASS.	NAME	TIME START	TIME STOP	DURATION	CALIBRATE BEFORE/AFTER	WIND COND.	SAFETY EQUIPMENT	HCBD	NOISE	CHLORINE	ASBESTOS	CAUSTIC	HCl	H_2SO_4	CHLOROTHENE	REMARKS
											50 ppb	85dbl 100%	1 ppm	2 fib/cc >5μ	2 mg/m³	7 mg/m³	1 mg/m³	350 ppm	OSHA OR DOW STANDARD
/21	E	5	SOT	Redacted	0800	1300	5 hr	1.7/1.7	N@16	0					✓ .036				[illegible]
/26	E	2	SOT		1215	1530	3 hr 15 min	.55/.58	W@6	0							✓ <.01		[illegible]
/31	E	5	M-W		1215	1400	1 hr 45 min	1.7/1.7	W@3	0					✓ .02				P328 alignment
/31	E	5	M-W		1215	1400	1 hr 45 min	1.7/1.65	W@3	0					✓ .03				[illegible]
/27	P	4	OS		0730	1530	8 hr	.58/.41	N@6	0			<.1						Cell area - working on safety [illegible]
/24	P	2	OS		0730	1515	7 hr 45			5		25							EDO - Lig - Purif
/24	P	2	OS		0730	1500	7 hr			5		39							EDO - Lig
/24	P		OS		0730	1500	7 hr			5		67							EDO - General

S101783S4

CLASSIFICATION: INST.

DATE	TYPE	AREA	JOB CLASS.	NAME	TIME START	TIME STOP	DURATION	CALIBRATE BEFORE/AFTER	WIND COND.	SAFETY EQUIPMENT	HCBD	NOISE	CHLORINE	ASBESTOS	CAUSTIC	HCl	H_2SO_4	CHLOROTHENE	REMARKS
											50 ppb	85db/ 100%	1 ppm	2 f.i/cc >5μ	2 mg/m³	7 mg/m³	1 mg/m³	350 ppm	OSHA OR DOW STANDARD
5	P	5	IT	Redacted	0730	1400	6½ hr	1.7/1.65	SBQ	0					.013				
7	P	5	IS		0730	1335	6 hr 5'	1.71/1.53	SBQ	0					.021				
27	P	6	IS		0730	1530	8 hr			5		28							
12	P		IS.		0730	1530	8 hr			5		7							

CLASSIFICATION: CRAFT

	TYPE	AREA	JOB CLASS.	NAME	TIME START	TIME STOP	DURATION	CALIBRATE BEFORE/AFTER	WIND COND.	SAFETY EQUIPMENT	HCBD	NOISE	CHLORINE	ASBESTOS	CAUSTIC	HCl	H_2SO_4	CHLOROTHENE	REMARKS
											50 ppb	85dbA 100%	1 ppm	2 fib/cc >5μ	2 mg/m³	7 mg/m³	1 mg/m³	350 ppm	OSHA OR DOW STANDARD
5	E	3	E.Ap.	Redacted	0900	1445	5hr 45min	.5l/	SE@4	0			✓ <.1						Pulling wire in cell area; C202 compound
3	P	6	P-W		0730	1530	8hr			5		58							Power area
3	P		Laborer		0730	1530	8 hr			5		117							General area - Cleanup
23	E	2	Millwright		1400	1420	20 min	.5l/.5	SSW@9	0							.031		Pulling H_2SO_4 pump
23	E	2	Millwright		1400	1420	20 min	.5/.5	SSW@9	0							.091		ditto
31	E	5	Laborer		0800	1200	4 hr	2.0l/2.0	SSE@2	0					.025				Trenching by FV303
31	E		Painter		0750			.5l/	SSE@2				✓ Last sample			✓			
31	E	2	Pipefitter		0800			.5l/	SSE@2				voided				✓		D2.4 remove old vent & piping

STUDY [illegible]
CLASSIFICATION: Shift Supv.

DATE	TYPE	AREA	JOB CLASS.	NAME	TIME START	TIME STOP	DURATION	CALIBRATE BEFORE/AFTER	WIND COND.	SAFETY EQUIPMENT	HCBD	NOISE	CHLORINE	ASBESTOS	CAUSTIC	HCl	H_2SO_4	CHLOROTHENE	REMARKS
											50 ppb	85dbl 100%	1 ppm	2 f/cc >5μ	2 mg/m³	7 mg/m³	1 mg/m³	350 ppm	OSHA OR DOW STANDARD
11	P			Redacted	0500	1600	8 hr			5		65							Gen. duties
26	P				0730	1530	8 hr			5		0							Gen duties
19	P				0730	1530	8 hr			5		16							Gen duties
17	P				0730	1530	8 hr			5		41							Gen duties

CHEM-ALERT II ENVIRONMENTAL TESTING STOTTLER

YEAR: 1980

CLASSIFICATION: Area Samples

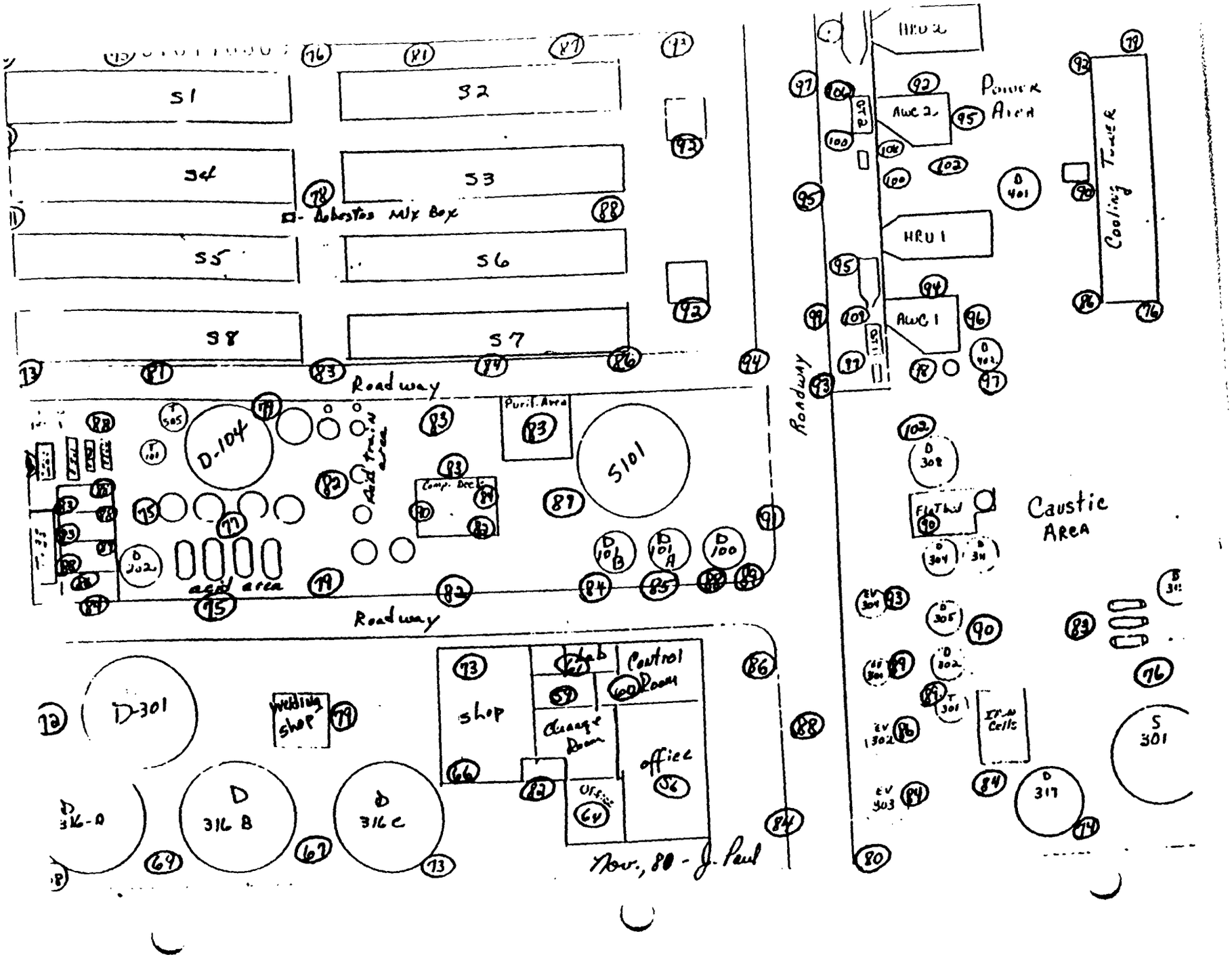
	TYPE	AREA	JOB CLASS.	NAME	TIME START	TIME STOP	DURATION	CALIBRATE BEFORE/AFTER	WIND COND.	SAFETY EQUIPMENT	HCBD	NOISE	CHLORINE	ASBESTOS	CAUSTIC	HCl	H_2SO_4	CHLOROTHENE	REMARKS
											50 ppb	95dbA 100%	1 ppm	2 f/cc >5μ	2 mg/m³	7 mg/m³	1 mg/m³	350 ppm	OSHA OR DOW STANDARD
A	A	2	-		0795	1600	5 hrs	1.4/1.2	SW	—	.03								Grab sample by Sample II
2	A	2			1415	1600	1.75 hrs	.13/.05	SSE@2	-								0.9	Sample from Sump II
1	A	2			0650	1600	8 hrs	.15/.14	SE@5	—	0.9								Grab sample by Sample II
11	E	2			1640	1525	2.75 hrs	.16/.16	SSE@5	—	82.7								Open end of T-304
11	C	2			1040	1325	2.75 hrs	.16/.16	SSE@5	—	4.6								NW Perimeter of Dike Area
9	A	2			0735	1535	8 hrs	.17/.11	SE@6		2.1								S. of Hill storage Area
1	A	2			0735	1535	8 hrs	.14/.14	SE@6		2.0								Empty PC-20 filter - on top
30	A	2			0915	1400	4 hrs 45	.16/.11	SE@7		16.7								Drummed up material D-504 in Dy Area
3	A	2			0820	1450	6 hrs 30	.17/.14	SSE@6		3.6								Inside manhole of NW Dike area - pumping
13	A	2			0820	1455	6 hrs 35	.17/.15	SSE@6		5.3								Scrubber deck - pumping
12	A	2			0820	1450	6 hrs 30	.14/.13	SSE@6		80.2								Bay T-304 inside dike - pumping
4	A	2			0730	1530	8 hrs	.17/.13	SE@3		.9								NW manhole of area by asphalt plant
5	A	2			0730	1530	8 hrs	.17/.17	SE@3		39.4								Base T-304 NW side
18	A	4			0700	1500	6 hrs	5/5.5	S@4				<.1						Top S-2 area
1/18	A	4			0900	1500	6 hrs	.5/.35	S@4				<.1						3rd level NW perimeter of Area by dike Drum.
1/18	A	6			0700	1500	6 hrs	.5/.5	S@4				1.45						S-1 and RT-2.
30	A	5			1330	1400	30 min	1.7/1.7	NW@3.5						.34				Scrubber deck
30	A	5			1330	1405	35 min	1.7/1.7	NW@3.5						.04				Top of T-301
30	A	5			1335	1410	40 min	1.7/1.7	NW@3.5						.15				from Cellar
30	A	3			0730	1350	6 hrs 20	.5/.5	NW@3.5				.140						1st deck Perifo
30	A	6			0730	1345	6 hrs 15	.5/.5	NW@3.5				<.1						RT-1 deck
126	A	4			0730	1530	8 hrs	.5/.45	SSE@6				<.1						Bay. Dual Column Cells
126	A	4			0730	1530	8 hrs	.5/.5	SSE@6				<.1						Top tip S-2 area

CLASSIFICATION: Area Samples

	TYPE	AREA	JOB CLASS.	NAME	TIME START	TIME STOP	DURATION	CALIBRATE BEFORE/AFTER	WIND COND.	SAFETY EQUIPMENT	HCBD	NOISE	CHLORINE	ASBESTOS	CAUSTIC	HCl	H_2SO_4	CHLOROTHENE	REMARKS
											50 ppb	85dbA 100%	1 ppm	2 fib/cc >5μ	2 mg/m³	7 mg/m³	1 mg/m³	350 ppm	OSHA OR DOW STANDARD
27	A	3			0730	1520	7hr 50	.55/.3	N@6	0			.167						1st deck purif. NE corner
13		4			0815	1330	5hr 15	.5/.4	NNW@8	0			.92						starting. Power area 6-1
13	A	4			0815	1330	5hr 15	.5/.5	NNW@8	0			1.53						starting) S-6 cell
11	A	3			0730	1530	8hr	.5/.45	SNE@10	0			.31						Comp. deck across from S-7
11	A	3			0730	1530	8hr	.5/.5	SNE@10	0			.42						grid across from S-7 by Cold
12	A	3			0730	1530	8hr	.78/.65	NNE@10	0			.56						Purif. deck across from S-7
20	A	2			0730	1530	8hr	.157/.143	NNW@2	0	0.11								Across from T504 NE [illegible]
20	A	2			0730	1530	8hr	.162/.158	NNW@2	0	2.27								Base of T504 pump SE
20	A	2			0730	1530	8hr	.159/.150	NNW@2	0	0.11								Base of T504 - east side

PLANT NOISE SURVEY MAP

S101/0855



S1
S2
S4
S3
Asbestos Mix Box
S5
S6
S8
S7
Roadway
D-104
Purif. Area
S101
Comp. Deck
acid area
Roadway
D-301
welding shop
shop
Control Room
Change Room
office
D 316 B
D 316 C
Nov., 80 - J. Paul
HRU 2
AWC 2
Power Area
HRU 1
AWC 1
Cooling Tower
Roadway
Caustic Area
Flat bed
Iron Cells
S 301
D 317