

INDUSTRIAL HYGIENE SAMPLE CONCENTRATION DATA ENTRY

NAME OF INVESTIGATOR: DEAN WALTERS

CHEMICAL NAME ASBESTOS DR# 0027-0713

PLANT CELL SERVICE PLANT NO. 0561

SAMPLE DATE (MMDDYY) 02 09 88
 SAMPLE NUMBER 08385
 SAMPLING TIME IN MIN. 480
 SAMPLE VOLUME IN LITERS 960
 SAMPLE TYPE (A, S OR P)

A=AREA

S=SHORT TERM

P=PERSONAL

IF AREA, DESCRIBE

RESPIRATOR TYPE (1 TO 7):

8 OR 12 HOUR SHIFT

SHIFT 1, 2, OR 3

EMPLOYEE I.D. NO.

IH JOB ASSIGNMENT #

P
3
8
1
436.41-6283
CELL SERVICE

SAMPLE CONCENTRATION RESULT 049

COMMENTS: Concentration - 50 min. lunch break - 6 hr. 10 min.
Restoring asbestos in chlorine whse. / have mixing Pulp in
Cell Service

*RESPIRATOR TYPE: 1 = NOT USED 2 = MOUTH-BIT 3 = HALF FACE
 4 = FULL FACE 5 = AIR LINE 6 = DUST MASK 7 = SCBA

RAW DATA:

START TIME: 6:15 AM
 STOP TIME: 2:15 PM
 BEGINNING FLOW RATE: 2.0 L/min
 ENDING FLOW RATE: 2.0 L/min

DO A 110535
 CONFIDENTIAL

INDUSTRIAL HYGIENE SAMPLE CONCENTRATION DATA ENTRY

NAME OF INVESTIGATOR: DEAN WALTERS

CHEMICAL NAME ASBESTOS DR# 0027-0713

PLANT CELL SERVICE PLANT NO. 0561

SAMPLE DATE (MMDDYY) 02 09 88
 SAMPLE NUMBER 08395
 SAMPLING TIME IN MIN. 480
 SAMPLE VOLUME IN LITERS 960.0
 SAMPLE TYPE (A, S OR P)

A=AREA

S=SHORT TERM

P=PERSONAL

IF AREA, DESCRIBE

RESPIRATOR TYPE (1 TO 7):

8 OR 12 HOUR SHIFT

SHIFT 1, 2, OR 3

EMPLOYEE I.D. NO.

IH JOB ASSIGNMENT #

SAMPLE CONCENTRATION RESULT 0.37

COMMENTS: 1 hr Running Cathode Washer, 50 min lunch +
Break 6 hr 10 min Cleaning + Restocking Asbestos in Chlorine
chamber

*RESPIRATOR TYPE: 1 = NOT USED 2 = MOUTH-BIT 3 = HALF FACE
 4 = FULL FACE 5 = AIR LINE 6 = DUST MASK 7 = SCBA

RAW DATA:

START TIME: 6:15 AM
 STOP TIME: 2:15 PM
 BEGINNING FLOW RATE: 2.0 l/min
 ENDING FLOW RATE: 2.0 l/min

DO A 110536
 CONFIDENTIAL

INDUSTRIAL HYGIENE SAMPLE CONCENTRATION DATA ENTRY

NAME OF INVESTIGATOR: DEAN WALTERS

CHEMICAL NAME ASBESTOS DR# 0027-0713

PLANT CELL SERVICE PLANT NO. 0561

SAMPLE DATE (MMDDYY) 02 22 88
 SAMPLE NUMBER 08498
 SAMPLING TIME IN MIN. 480
 SAMPLE VOLUME IN LITERS 960.0
 SAMPLE TYPE (A, S OR P)

A=AREA

S=SHORT TERM

P=PERSONAL

IF AREA, DESCRIBE

RESPIRATOR TYPE (1 TO 7):

8 OR 12 HOUR SHIFT

SHIFT 1, 2, OR 3

EMPLOYEE I.D. NO.

IH JOB ASSIGNMENT #

A
Debugger Room
8
1

SAMPLE CONCENTRATION RESULT 0.01

COMMENTS: mon. ten was placed in south side of
asbestos room west of door in parking

RESPIRATOR TYPE: 1 = NOT USED 2 = MOUTH-BIT 3 = HALF FACE
 4 = FULL FACE 5 = AIR LINE 6 = DUST MASK 7 = SCBA

RAW DATA:

START TIME: 6:00 AM
 STOP TIME: 2:00 PM
 BEGINNING FLOW RATE: 2.0 L/min
 ENDING FLOW RATE: 2.0 L/min

INDUSTRIAL HYGIENE SAMPLE CONCENTRATION DATA ENTRY

NAME OF INVESTIGATOR: DEAN WALTERS

CHEMICAL NAME ASBESTOS DR# 0027-0713

PLANT CELL SERVICE PLANT NO. 0561

SAMPLE DATE (MMDDYY) 02 22 88
 SAMPLE NUMBER 08326
 SAMPLING TIME IN MIN. 480
 SAMPLE VOLUME IN LITERS 960.0
 SAMPLE TYPE (A, S OR P)

A=AREA

S=SHORT TERM

P=PERSONAL

IF AREA, DESCRIBE

RESPIRATOR TYPE (1 TO 7)*

8 OR 12 HOUR SHIFT

SHIFT 1, 2, OR 3

EMPLOYEE I.D. NO.

IH JOB ASSIGNMENT #

SAMPLE CONCENTRATION RESULT .02 f/cc

COMMENTS: Placed in N-W corner of DeBagger Room in
Pearling

RESPIRATOR TYPE: 1 = NOT USED 2 = MOUTH-BIT 3 = HALF FACE
 4 = FULL FACE 5 = AIR LINE 6 = DUST MASK 7 = SCBA

RAW DATA:

START TIME: 6:00 AM
 STOP TIME: 2:00 PM
 BEGINNING FLOW RATE: 2.0 L/min
 ENDING FLOW RATE: 2.0 L/min

DO A 110538
 CONFIDENTIAL

INDUSTRIAL HYGIENE SAMPLE CONCENTRATION DATA ENTRY

NAME OF INVESTIGATOR: DEAN WALTERS

CHEMICAL NAME ASBESTOS DR# 0027-0713

PLANT CELL SERVICE PLANT NO. 0561

SAMPLE DATE (MMDDYY) 03 16 88
 SAMPLE NUMBER 08490
 SAMPLING TIME IN MIN. 480
 SAMPLE VOLUME IN LITERS 960
 SAMPLE TYPE (A, S OR P)

A=AREA

S=SHORT TERM

P=PERSONAL

IF AREA, DESCRIBE

RESPIRATOR TYPE (1 TO 7)*

8 OR 12 HOUR SHIFT

SHIFT 1, 2, OR 3

EMPLOYEE I.D. NO.

IH JOB ASSIGNMENT #

P
1
8
1
436-56-7476
Contractor

SAMPLE CONCENTRATION RESULT 01

COMMENTS: Contractor working station 7 washing
nodes 3 hrs 10 min. St. min lunch & break, dropping
cells into pit 4 hrs

*RESPIRATOR TYPE: 1 = NOT USED 2 = MOUTH-BIT 3 = HALF FACE
 4 = FULL FACE 5 = AIR LINE 6 = DUST MASK 7 = SCBA

RAW DATA:

START TIME: 6:00 AM
 STOP TIME: 2:00 PM
 BEGINNING FLOW RATE: 2.0 L/min
 ENDING FLOW RATE: 2.0 L/min

DO A 110539
 CONFIDENTIAL

INDUSTRIAL HYGIENE SAMPLE CONCENTRATION DATA ENTRY

NAME OF INVESTIGATOR: Dean Walters

CHEMICAL NAME Asbestos DR# 0027-0713

PLANT Cell Service PLANT NO. 0561

SAMPLE DATE (MMDDYY) 05/04/88

SAMPLE NUMBER 08483

SAMPLING TIME IN MIN. 480

SAMPLE VOLUME IN LITERS 960.0

SAMPLE TYPE (A, S OR P)

A=AREA

S=SHORT TERM

P=PERSONAL

IF AREA, DESCRIBE P

RESPIRATOR TYPE (1 TO 7): 3

8 OR 12 HOUR SHIFT 8

SHIFT 1, 2, OR 3 1

EMPLOYEE I.D. NO. 436-41-6283 (CONTRACT)

IH JOB ASSIGNMENT # Contractor

SAMPLE CONCENTRATION RESULT 0.08

COMMENTS: 3 hr 30 min Repairing Cathodes, lunch + break 50 min
3 hr 40 min mixing Pulp using Experimental Debagger

RESPIRATOR TYPE: 1 = NOT USED 2 = MOUTH-BIT 3 = HALF FACE
 4 = FULL FACE 5 = AIR LINE 6 = DUST MASK 7 = SCBA

RAW DATA:

START TIME: 4:00 AM

STOP TIME: 12:00 NOON

BEGINNING FLOW RATE: 2.0 l/m

ENDING FLOW RATE: 2.0 l/m

INDUSTRIAL HYGIENE SAMPLE CONCENTRATION DATA ENTRY

NAME OF INVESTIGATOR: Dean Walters

CHEMICAL NAME ASBESTOS DR# 0027-0713

PLANT Cell Service PLANT NO. 0561

SAMPLE DATE (MMDDYY) 05 04 88

SAMPLE NUMBER 28484

SAMPLING TIME IN MIN. 480

SAMPLE VOLUME IN LITERS 236.0

SAMPLE TYPE (A, S OR P) _____

A=AREA

S=SHORT TERM

P=PERSONAL

IF AREA, DESCRIBE A

RESPIRATOR TYPE (1 TO 7): See comments

8 OR 12 HOUR SHIFT _____

SHIFT 1, 2, OR 3 8

EMPLOYEE I.D. NO. _____

IH JOB ASSIGNMENT # _____

SAMPLE CONCENTRATION RESULT 0.04

COMMENTS: North DE West Door in Peaking of Asbestos Room.
Personnel Working in Area Dumped 30 min Mixed Pulp
3 News 40 min using Experimental Debagex

*RESPIRATOR TYPE: 1 = NOT USED 2 = MOUTH-BIT 3 = HALF FACE
 4 = FULL FACE 5 = AIR LINE 6 = DUST MASK 7 = SCBA

RAW DATA:

START TIME: 4:30 AM

STOP TIME: 12:30 PM

BEGINNING FLOW RATE: 2.0 L/min

ENDING FLOW RATE: 1.9 L/min

DO A 110541
 CONFIDENTIAL

INDUSTRIAL HYGIENE SAMPLE CONCENTRATION DATA ENTRY

NAME OF INVESTIGATOR: Dean Walters

CHEMICAL NAME ASBESTOS DR# 0027-0713

PLANT Cell SERVICE PLANT NO. 0561

SAMPLE DATE (MMDDYY) 05 09 88
 SAMPLE NUMBER 08486
 SAMPLING TIME IN MIN. 480
 SAMPLE VOLUME IN LITERS 936.0
 SAMPLE TYPE (A, S OR P)

A=AREA
 S=SHORT TERM
 P=PERSONAL

IF AREA, DESCRIBE A
 RESPIRATOR TYPE (1 TO 7): See Comments
 8 OR 12 HOUR SHIFT 8
 SHIFT 1, 2, OR 3 1
 EMPLOYEE I.D. NO. _____
 IH JOB ASSIGNMENT # _____

SAMPLE CONCENTRATION RESULT 0.05

COMMENTS: ASBESTOS Room - West Wall North of Doors in Parking
Personnel Dumped ASBESTOS (2) Times 50 min. Mixed
Pulp 4 Hours

RESPIRATOR TYPE: 1 = NOT USED 2 = MOUTH-BIT 3 = HALF FACE
 4 = FULL FACE 5 = AIR LINE 6 = DUST MASK 7 = SCBA

RAW DATA:

START TIME: 6:00 AM
 STOP TIME: 2:00 PM
 BEGINNING FLOW RATE: 2.0 L/min
 ENDING FLOW RATE: 1.9 L/min

INDUSTRIAL HYGIENE SAMPLE CONCENTRATION DATA ENTRY

NAME OF INVESTIGATOR: Dean Walters

CHEMICAL NAME Asbestos DR# 0027-0713

PLANT Cell Service PLANT NO. 0561

SAMPLE DATE (MMDDYY) 05 09 88
 SAMPLE NUMBER 08487
 SAMPLING TIME IN MIN. 490
 SAMPLE VOLUME IN LITERS 960.0
 SAMPLE TYPE (A,S OR P)

A=AREA

S=SHORT TERM

P=PERSONAL

IF AREA, DESCRIBE

RESPIRATOR TYPE (1 TO 7):*

8 OR 12 HOUR SHIFT

SHIFT 1, 2, OR 3

EMPLOYEE I.D. NO.

IH JOB ASSIGNMENT #

SAMPLE CONCENTRATION RESULT 0.05

COMMENTS: Sample South of Experimental Debagger on Rest.
Personnel Dumped (2) Times 50 min. (PQW) mixed Pulp 4 H.R.
"Experimental Debagger not used"

*RESPIRATOR TYPE: 1 = NOT USED 2 = MOUTH-BIT 3 = HALF FACE
 4 = FULL FACE 5 = AIR LINE 6 = DUST MASK 7 = SCBA

RAW DATA:

START TIME: 6:00 AM
 STOP TIME: 2:00 PM
 BEGINNING FLOW RATE: 2.04/m
 ENDING FLOW RATE: 2.04/m

DO A 110543
 CONFIDENTIAL

INDUSTRIAL HYGIENE SAMPLE CONCENTRATION DATA ENTRY

NAME OF INVESTIGATOR: DEAN WALTERS

CHEMICAL NAME ASBESTOS DR# 0027-0713

PLANT CELL SERVICE PLANT NO. 0561

SAMPLE DATE (MMDDYY) 05 09 88

SAMPLE NUMBER 8488

SAMPLING TIME IN MIN. 480

SAMPLE VOLUME IN LITERS 960.0

SAMPLE TYPE (A, S OR P) _____

A=AREA

S=SHORT TERM

P=PERSONAL

IF AREA, DESCRIBE _____

RESPIRATOR TYPE (1 TO 7): _____

8 OR 12 HOUR SHIFT _____

SHIFT 1, 2, OR 3 _____

EMPLOYEE I.D. NO. 43856-2213

IH JOB ASSIGNMENT # Contractor

SAMPLE CONCENTRATION RESULT 0.01

COMMENTS: STAIN Lunch & Break 2 Hr Raw F-503 Filter

2 Hr 40 min Hauled Asbestos From Chlorine Wksh

RESPIRATOR TYPE: 1 = NOT USED 2 = MOUTH-BIT 3 = HALF FACE
4 = FULL FACE 5 = AIR LINE 6 = DUST MASK 7 = SCBA

RAW DATA:

START TIME: 6:00am

STOP TIME: 2:00pm

BEGINNING FLOW RATE: 2.0 l/min

ENDING FLOW RATE: 2.0 l/min

INDUSTRIAL HYGIENE SAMPLE CONCENTRATION DATA ENTRY

NAME OF INVESTIGATOR: DEAN WALTERS

CHEMICAL NAME ASBESTOS DR# 0027-0713

PLANT CELL SERVICE PLANT NO. 0561

SAMPLE DATE (MMDDYY) 05/10/88
 SAMPLE NUMBER 08398
 SAMPLING TIME IN MIN. 480
 SAMPLE VOLUME IN LITERS 912.0
 SAMPLE TYPE (A, S OR P)

A=AREA

S=SHORT TERM

P=PERSONAL

IF AREA, DESCRIBE

RESPIRATOR TYPE (1 TO 7)*

8 OR 12 HOUR SHIFT

SHIFT 1, 2, OR 3

EMPLOYEE I.D. NO.

IH JOB ASSIGNMENT #

SAMPLE CONCENTRATION RESULT 0.07

COMMENTS: 50 min. Lunch + Break 50 min. Dumped asbestos
Worked upstairs in De Bagger Room 6 hrs 20 minutes
Cathode Hook up

RESPIRATOR TYPE: 1 = NOT USED 2 = MOUTH-BIT 3 = HALF FACE
 4 = FULL FACE 5 = AIR LINE 6 = DUST MASK 7 = SCBA

RAW DATA:

START TIME: 6:00am
 STOP TIME: 2:00pm
 BEGINNING FLOW RATE: 2.0 l/m
 ENDING FLOW RATE: 1.8 l/m

DO A 110545
 CONFIDENTIAL

6

INDUSTRIAL HYGIENE SAMPLE CONCENTRATION DATA ENTRY

NAME OF INVESTIGATOR: DEAN WALTERS

CHEMICAL NAME ASBESTOS DR# 0027-0713

PLANT CELL SERVICE PLANT NO. 0561

SAMPLE DATE (MMDDYY) 05 10 88

SAMPLE NUMBER 08489

SAMPLING TIME IN MIN. 480

SAMPLE VOLUME IN LITERS 960

SAMPLE TYPE (A, S OR P) _____

A=AREA

S=SHORT TERM

P=PERSONAL

IF AREA, DESCRIBE _____

RESPIRATOR TYPE (1 TO 7):* _____

8 OR 12 HOUR SHIFT _____

SHIFT 1, 2, OR 3 _____

EMPLOYEE I.D. NO. 432978 (Dea)

IH JOB ASSIGNMENT # Daw CS

SAMPLE CONCENTRATION RESULT 0.02

COMMENTS: Drawing Cathodes

RESPIRATOR TYPE: 1 = NOT USED 2 = MOUTH-BIT 3 = HALF FACE
4 = FULL FACE 5 = AIR LINE 6 = DUST MASK 7 = SCBA

RAW DATA:

START TIME: 6:00am
STOP TIME: 2:00pm
BEGINNING FLOW RATE: 2.6/m
ENDING FLOW RATE: 2.04/m

INDUSTRIAL HYGIENE SAMPLE CONCENTRATION DATA ENTRY

NAME OF INVESTIGATOR: DEAN WALTERS

CHEMICAL NAME ASBESTOS DR# 0027-0713

PLANT Cell Service PLANT NO. 0561

SAMPLE DATE (MMDDYY) 05/18/88
SAMPLE NUMBER 02399
SAMPLING TIME IN MIN. 2.40
SAMPLE VOLUME IN LITERS 744.0
SAMPLE TYPE (A, S OR P) _____

(A=AREA

S=SHORT TERM

P=PERSONAL

IF AREA, DESCRIBE

RESPIRATOR TYPE (1 TO 7):*

8 OR 12 HOUR SHIFT

SHIFT 1, 2, OR 3

EMPLOYEE I.D. NO.

IH JOB ASSIGNMENT #

AREA
See Comments
1
8
1

SAMPLE CONCENTRATION RESULT 1.025

COMMENTS: Sample was Placed EAST OF ESD9 APPR. 4 FT IN Horizontal
Position. "note" ESD9 has A Relief Cover. Personnel Donned Asbestos 1 Time
As Appropriate

*RESPIRATOR TYPE: 1 = NOT USED 2 = MOUTH-BIT 3 = HALF FACE
4 = FULL FACE 5 = AIR LINE 6 = DUST MASK 7 = SCBA

RAW DATA:

START TIME: _____
STOP TIME: _____
BEGINNING FLOW RATE: _____
ENDING FLOW RATE: _____

INDUSTRIAL HYGIENE SAMPLE CONCENTRATION DATA ENTRY

NAME OF INVESTIGATOR: DEAN WALTERS

CHEMICAL NAME ASBESTOS DR# 0027-0713

PLANT CELL SERVICE PLANT NO. 0561

SAMPLE DATE (MMDDYY) 05 27 88
 SAMPLE NUMBER 08482
 SAMPLING TIME IN MIN. 240
 SAMPLE VOLUME IN LITERS 9.36
 SAMPLE TYPE (A, S OR P)

A=AREA

S=SHORT TERM

P=PERSONAL

IF AREA, DESCRIBE

RESPIRATOR TYPE (1 TO 7):*

8 OR 12 HOUR SHIFT

SHIFT 1, 2, OR 3

EMPLOYEE I.D. NO.

IH JOB ASSIGNMENT #

12 - Equipment
D-517 - See Comment
8
L
-
-

SAMPLE CONCENTRATION RESULT 6.03

COMMENTS: D-517 Entry Preparation

*RESPIRATOR TYPE: 1 = NOT USED 2 = MOUTH-BIT 3 = HALF FACE
 4 = FULL FACE 5 = AIR LINE 6 = DUST MASK 7 = SCBA

RAW DATA:

START TIME: 9:50 AM
 STOP TIME: 1:50 PM
 BEGINNING FLOW RATE: 4.0 L/min
 ENDING FLOW RATE: 3.8 L/min

INDUSTRIAL HYGIENE SAMPLE CONCENTRATION DATA ENTRY

NAME OF INVESTIGATOR: DEAN WALTERS

CHEMICAL NAME ASBESTOS DR# 0027-0713

PLANT CELL SERVICE PLANT NO. 0561

SAMPLE DATE (MMDDYY) 07 14 88
 SAMPLE NUMBER 08464
 SAMPLING TIME IN MIN. 450
 SAMPLE VOLUME IN LITERS 877.500
 SAMPLE TYPE (A, S OR P)

A=AREA

S=SHORT TERM

P=PERSONAL

IF AREA, DESCRIBE

RESPIRATOR TYPE (1 TO 7):*

8 OR 12 HOUR SHIFT

SHIFT 1, 2, OR 3

EMPLOYEE I.D. NO.

IH JOB ASSIGNMENT #

SAMPLE CONCENTRATION RESULT 0.01

COMMENTS: 50 MIN LUNCH & BREAK 4 HR Dropped in
Cathodes 2 HR 40 MIN Hauled Turnaround Equipment To Chlorine
(Anode Line)

RESPIRATOR TYPE: 1 = NOT USED 2 = MOUTH-BIT 3 = HALF FACE
 4 = FULL FACE 5 = AIR LINE 6 = DUST MASK 7 = SCBA

RAW DATA:

START TIME: 6:00 AM
 STOP TIME: 1:30 PM
 BEGINNING FLOW RATE: 2.0 L/min
 ENDING FLOW RATE: 1.9 L/min

INDUSTRIAL HYGIENE SAMPLE CONCENTRATION DATA ENTRY

NAME OF INVESTIGATOR: DEAN WALTERS

CHEMICAL NAME ASBESTOS DR# 0027-0713

PLANT CELL SERVICE PLANT NO. 0561

SAMPLE DATE (MMDDYY) 07 14 88
 SAMPLE NUMBER 08465
 SAMPLING TIME IN MIN. 450
 SAMPLE VOLUME IN LITERS 872.500
 SAMPLE TYPE (A, S OR P)

A=AREA

S=SHORT TERM

P=PERSONAL

IF AREA, DESCRIBE

RESPIRATOR TYPE (1 TO 7)*

8 OR 12 HOUR SHIFT

SHIFT 1, 2, OR 3

EMPLOYEE I.D. NO.

IH JOB ASSIGNMENT #

P
1
8
1
434-52-0942
Contractor

SAMPLE CONCENTRATION RESULT 0.010

COMMENTS: 50 min. Lunch + Break
6 hours 40 minutes Digging in Cathodes Canada Line)

*RESPIRATOR TYPE: 1 = NOT USED 2 = MOUTH-BIT 3 = HALF FACE
 4 = FULL FACE 5 = AIR LINE 6 = DUST MASK 7 = SCBA

RAW DATA:

START TIME: 6:00 AM
 STOP TIME: 1:30 PM
 BEGINNING FLOW RATE: 2.0 L/min
 ENDING FLOW RATE: 1.9 L/min

DO A 110550
 CONFIDENTIAL

INDUSTRIAL HYGIENE SAMPLE CONCENTRATION DATA ENTRY

NAME OF INVESTIGATOR: DEAN WALTERS

CHEMICAL NAME ASBESTOS DR# 0027-0713

PLANT CELL SERVICE PLANT NO. 0561

SAMPLE DATE (MMDDYY) 07 21 88
 SAMPLE NUMBER 08400
 SAMPLING TIME IN MIN. 480
 SAMPLE VOLUME IN LITERS 936.000
 SAMPLE TYPE (A, S OR P)

A=AREA

S=SHORT TERM

P=PERSONAL

IF AREA, DESCRIBE P

RESPIRATOR TYPE (1 TO 7): 3

8 OR 12 HOUR SHIFT 8

SHIFT 1, 2, OR 3 1

EMPLOYEE I.D. NO. 439-56-2213

IH JOB ASSIGNMENT # Construction

SAMPLE CONCENTRATION RESULT .019

COMMENTS: 57 min lunch + Break 1 hr cleaning Asbestos Room
6 hr 10 min Hooking up Cathodes

RESPIRATOR TYPE: 1 = NOT USED 2 = MOUTH-BIT 3 = HALF FACE
 4 = FULL FACE 5 = AIR LINE 6 = DUST MASK 7 = SCBA

RAW DATA:

START TIME: 6:00 am
 STOP TIME: 2:00 pm
 BEGINNING FLOW RATE: 2.0 l/min
 ENDING FLOW RATE: 1.9 l/min

DO A 110551
 CONFIDENTIAL

INDUSTRIAL HYGIENE SAMPLE CONCENTRATION DATA ENTRY

NAME OF INVESTIGATOR: DEAN WALTERS

CHEMICAL NAME ASBESTOS DR# 0027-0713

PLANT CELL SERVICE PLANT NO. 0561

SAMPLE DATE (MMDDYY) 07 21 88
 SAMPLE NUMBER 08401
 SAMPLING TIME IN MIN. 48.0
 SAMPLE VOLUME IN LITERS 960.000
 SAMPLE TYPE (A, S OR P)

A=AREA

S=SHORT TERM

P=PERSONAL

IF AREA, DESCRIBE

RESPIRATOR TYPE (1 TO 7):

8 OR 12 HOUR SHIFT

SHIFT 1, 2, OR 3

EMPLOYEE I.D. NO.

IH JOB ASSIGNMENT #

P
3
8
1
436-47-6283
Construction

SAMPLE CONCENTRATION RESULT 0.057

COMMENTS: 50 min Lunch & break 2 1/2 Hour Hooking
up latrines 3 Hour 40 min mixing Pulp

RESPIRATOR TYPE: 1 = NOT USED 2 = MOUTH-BIT 3 = HALF FACE
 4 = FULL FACE 5 = AIR LINE 6 = DUST MASK 7 = SCBA

RAW DATA:

START TIME: 6:00 AM
 STOP TIME: 2:00 PM
 BEGINNING FLOW RATE: 2.0 L/min
 ENDING FLOW RATE: 2.0 L/min

DO A 110552
 CONFIDENTIAL

INDUSTRIAL HYGIENE SAMPLE CONCENTRATION DATA ENTRY

NAME OF INVESTIGATOR: DEAN WALTERS

CHEMICAL NAME ASBESTOS DR# 0027-0713

PLANT CELL SERVICE PLANT NO. 0561

SAMPLE DATE (MMDDYY) 07 21 88
 SAMPLE NUMBER 08402
 SAMPLING TIME IN MIN. 450
 SAMPLE VOLUME IN LITERS 877.500
 SAMPLE TYPE (A, S OR P)

A=AREA

S=SHORT TERM

P=PERSONAL

IF AREA, DESCRIBE

RESPIRATOR TYPE (1 TO 7):

8 OR 12 HOUR SHIFT

SHIFT 1, 2, OR 3

EMPLOYEE I.D. NO.

IH JOB ASSIGNMENT #

P
1
8
1.000
433517
0.05

SAMPLE CONCENTRATION RESULT 0.010

COMMENTS: 50 min Lunch + Break 6 min 40 min Dr

*RESPIRATOR TYPE: 1 = NOT USED 2 = MOUTH-BIT 3 = HALF FACE
 4 = FULL FACE 5 = AIR LINE 6 = DUST MASK 7 = SCBA

RAW DATA:

START TIME: 6:00 AM
 STOP TIME: 1:30 PM
 BEGINNING FLOW RATE: 2.0 lpm
 ENDING FLOW RATE: 1.9 lpm

INDUSTRIAL HYGIENE SAMPLE CONCENTRATION DATA ENTRY

NAME OF INVESTIGATOR: DEAN WALTERS

CHEMICAL NAME ASBESTOS DR# 0027-0713

PLANT CELL SERVICE PLANT NO. 0561

SAMPLE DATE (MMDDYY) 08 09 88
 SAMPLE NUMBER 08403
 SAMPLING TIME IN MIN. 480
 SAMPLE VOLUME IN LITERS 260
 SAMPLE TYPE (A, S OR P)

A=AREA
 S=SHORT TERM
 P=PERSONAL

IF AREA, DESCRIBE Asbestos Room
 RESPIRATOR TYPE (1 TO 7): 8
 8 OR 12 HOUR SHIFT 8
 SHIFT 1, 2, OR 3 1
 EMPLOYEE I.D. NO. 1
 IH JOB ASSIGNMENT # 1

SAMPLE CONCENTRATION RESULT 0.01

COMMENTS: Sample placed north of west door in parking
Personal on bed Pulp 4 1/2 hours

RESPIRATOR TYPE: 1 = NOT USED 2 = MOUTH-BIT 3 = HALF FACE
 4 = FULL FACE 5 = AIR LINE 6 = DUST MASK 7 = SCBA

RAW DATA:

START TIME: 6:00 am
 STOP TIME: 2:00 pm
 BEGINNING FLOW RATE: 2.0 L/min
 ENDING FLOW RATE: 2.0 L/min

DO A 110554
 CONFIDENTIAL

INDUSTRIAL HYGIENE SAMPLE CONCENTRATION DATA ENTRY

NAME OF INVESTIGATOR: DEAN WALTERS

CHEMICAL NAME ASBESTOS DR# 0027-0713

PLANT CELL SERVICE PLANT NO. 0561

SAMPLE DATE (MMDDYY) 08 07 88
 SAMPLE NUMBER 08404
 SAMPLING TIME IN MIN. 480
 SAMPLE VOLUME IN LITERS 760.000
 SAMPLE TYPE (A, S OR P)

A=AREA

S=SHORT TERM

P=PERSONAL

IF AREA, DESCRIBE

RESPIRATOR TYPE (1 TO 7):*

8 OR 12 HOUR SHIFT

SHIFT 1, 2, OR 3

EMPLOYEE I.D. NO.

IH JOB ASSIGNMENT #

SAMPLE CONCENTRATION RESULT 0.017

COMMENTS: Sample EAST OF TANK under conveyor
Personnel mixed Pulp 4 1/2 hours

*RESPIRATOR TYPE: 1 = NOT USED 2 = MOUTH-BIT 3 = HALF FACE
 4 = FULL FACE 5 = AIR LINE 6 = DUST MASK 7 = SCBA

RAW DATA:

START TIME: 6:00 AM
 STOP TIME: 2:00 PM
 BEGINNING FLOW RATE: 2.0 L/min
 ENDING FLOW RATE: 2.0 L/min

DO A 110555
 CONFIDENTIAL

INDUSTRIAL HYGIENE SAMPLE CONCENTRATION DATA ENTRY

NAME OF INVESTIGATOR: DEAN WALTERS

CHEMICAL NAME ASBESTOS DR# 0027-0713

PLANT CELL SERVICE PLANT NO. 0561

SAMPLE DATE (MMDDYY) 08 09 88
 SAMPLE NUMBER 08406
 SAMPLING TIME IN MIN. 480
 SAMPLE VOLUME IN LITERS 936.000
 SAMPLE TYPE (A, S OR P)

A=AREA

S=SHORT TERM

P=PERSONAL

IF AREA, DESCRIBE

RESPIRATOR TYPE (1 TO 7):

8 OR 12 HOUR SHIFT

SHIFT 1, 2, OR 3

EMPLOYEE I.D. NO.

IH JOB ASSIGNMENT #

SAMPLE CONCENTRATION RESULT 0.011

COMMENTS: South of mixing tank on Post. Personal
Mixed Pulp 4 1/2 hours

RESPIRATOR TYPE: 1 = NOT USED 2 = MOUTH-BIT 3 = HALF FACE
 4 = FULL FACE 5 = AIR LINE 6 = DUST MASK 7 = SCBA

RAW DATA:

START TIME: 6:00 AM
 STOP TIME: 2:00 PM
 BEGINNING FLOW RATE: 2.0 l/m
 ENDING FLOW RATE: 1.9 l/m

INDUSTRIAL HYGIENE SAMPLE CONCENTRATION DATA ENTRY

NAME OF INVESTIGATOR: DEAN WALTERS

CHEMICAL NAME ASBESTOS DR# 0027-0713

PLANT CELL SERVICE PLANT NO. 0561

SAMPLE DATE (MMDDYY) 08 09 88
 SAMPLE NUMBER 8407
 SAMPLING TIME IN MIN. 400
 SAMPLE VOLUME IN LITERS 936.000
 SAMPLE TYPE (A, S OR P)

A=AREA

S=SHORT TERM

P=PERSONAL

IF AREA, DESCRIBE

RESPIRATOR TYPE (1 TO 7):

8 OR 12 HOUR SHIFT

SHIFT 1, 2, OR 3

EMPLOYEE I.D. NO.

IH JOB ASSIGNMENT #

SAMPLE CONCENTRATION RESULT 0.025

COMMENTS: 50 min lunch & break, 1 hour checkout
Equip, 4 1/2 hours mixing Puff Experimental (Debagge not in use)
1 hour 40 min cleaning up in Asbestos Room

RESPIRATOR TYPE: 1 = NOT USED 2 = MOUTH-BIT 3 = HALF FACE
 4 = FULL FACE 5 = AIR LINE 6 = DUST MASK 7 = SCBA

RAW DATA:

START TIME: 6:00 AM
 STOP TIME: 2:00 PM
 BEGINNING FLOW RATE: 2.0 L/min
 ENDING FLOW RATE: 1.9 L/min

INDUSTRIAL HYGIENE SAMPLE CONCENTRATION DATA ENTRY

NAME OF INVESTIGATOR: DEAN WALTERS

CHEMICAL NAME ASBESTOS DR# 0027-0713

PLANT CELL SERVICE PLANT NO. 0561

SAMPLE DATE (MMDDYY) 08-16-88
 SAMPLE NUMBER 8408
 SAMPLING TIME IN MIN. 300
 SAMPLE VOLUME IN LITERS 1035.000
 SAMPLE TYPE (A, S OR P)

A=AREA

S=SHORT TERM

P=PERSONAL

IF AREA, DESCRIBE

RESPIRATOR TYPE (1 TO 7):

8 OR 12 HOUR SHIFT

SHIFT 1, 2, OR 3

EMPLOYEE I.D. NO.

IH JOB ASSIGNMENT #

A- Equipment
Test to Help Tank
1
1
1

SAMPLE CONCENTRATION RESULT 0.010

COMMENTS: Vessel Entry Preparation:

RESPIRATOR TYPE: 1 = NOT USED 2 = MOUTH-BIT 3 = HALF FACE
 4 = FULL FACE 5 = AIR LINE 6 = DUST MASK 7 = SCBA

RAW DATA:

START TIME: 6:15 AM
 STOP TIME: 11:15 AM
 BEGINNING FLOW RATE: 3.5 L/min
 ENDING FLOW RATE: 3.4 L/min

DO A 110558
 CONFIDENTIAL

INDUSTRIAL HYGIENE SAMPLE CONCENTRATION DATA ENTRY

NAME OF INVESTIGATOR: DEAN WALTERS

CHEMICAL NAME ASBESTOS DR# 0027-0713

PLANT CELL SERVICE PLANT NO. 0561

SAMPLE DATE (MMDDYY) 08 29 88
 SAMPLE NUMBER 08409
 SAMPLING TIME IN MIN. 465
 SAMPLE VOLUME IN LITERS 906.75
 SAMPLE TYPE (A,S OR P)

A=AREA

S=SHORT TERM

P=PERSONAL

IF AREA, DESCRIBE

RESPIRATOR TYPE (1 TO 7):#

8 OR 12 HOUR SHIFT

SHIFT 1, 2, OR 3

EMPLOYEE I.D. NO.

IH JOB ASSIGNMENT #

P

3

8

1

432978

Dean

Set PW OS

SAMPLE CONCENTRATION RESULT 0.01

COMMENTS: 45 min Lunch & Break 15 min shutting Down Equip.
3 Hr. 30 min Pulling Samples From Baked Cathodes, 3 Hr 15
min Working At BFD Breaking Down Cells

RESPIRATOR TYPE: 1 = NOT USED 2 = MOUTH-BIT 3 = HALF FACE
 4 = FULL FACE 5 = AIR LINE 6 = DUST MASK 7 = SCBA

RAW DATA:

START TIME: 6:15 AM

STOP TIME: 2:00 PM

BEGINNING FLOW RATE: 2.0 cfm

ENDING FLOW RATE: 1.9 cfm

DO A 110559
 CONFIDENTIAL

INDUSTRIAL HYGIENE SAMPLE CONCENTRATION DATA ENTRY

NAME OF INVESTIGATOR: DEAN WALTERS

CHEMICAL NAME ASBESTOS DR# 0027-0713

PLANT CELL SERVICE PLANT NO. 0561

SAMPLE DATE (MMDDYY) 09 26 88
 SAMPLE NUMBER 08411
 SAMPLING TIME IN MIN. 450
 SAMPLE VOLUME IN LITERS 900.000
 SAMPLE TYPE (A, S OR P)

A=AREA

S=SHORT TERM

P=PERSONAL

IF AREA, DESCRIBE IT
 RESPIRATOR TYPE (1 TO 7)* OV 573 NORTH
 8 OR 12 HOUR SHIFT 8
 SHIFT 1, 2, OR 3 1
 EMPLOYEE I.D. NO. -
 IH JOB ASSIGNMENT # -

SAMPLE CONCENTRATION RESULT 0.010

COMMENTS: NORTH OF DRAWING KIT WHILE SANDBLASTING NEAR TD-1

*RESPIRATOR TYPE: 1 = NOT USED 2 = MOUTH-BIT 3 = HALF FACE
 4 = FULL FACE 5 = AIR LINE 6 = DUST MASK 7 = SCBA

RAW DATA:

START TIME: 06:30pm
 STOP TIME: 2:00pm
 BEGINNING FLOW RATE: 2.0 lpm
 ENDING FLOW RATE: 2.0 lpm

DO A 110560
 CONFIDENTIAL

INDUSTRIAL HYGIENE SAMPLE CONCENTRATION DATA ENTRY

NAME OF INVESTIGATOR: DEAN WALTERS

CHEMICAL NAME ASBESTOS DR# 0027-0713

PLANT CELL SERVICE PLANT NO. 0561

SAMPLE DATE (MMDDYY) 10 06 88
 SAMPLE NUMBER 08413
 SAMPLING TIME IN MIN. 30 MIN (EXCURSION)
 SAMPLE VOLUME IN LITERS 60
 SAMPLE TYPE (A,S OR P)

A=AREA

S=SHORT TERM

P=PERSONAL

IF AREA, DESCRIBE

RESPIRATOR TYPE (1 TO 7):

8 OR 12 HOUR SHIFT

SHIFT 1, 2, OR 3

EMPLOYEE I.D. NO.

IH JOB ASSIGNMENT #

S P
1
8 hr
1
434543788
Contractor

SAMPLE CONCENTRATION RESULT 0.02

COMMENTS: Dropping in cathodes (Buckled down cathodes (made Live))

RESPIRATOR TYPE: 1 = NOT USED 2 = MOUTH-BIT 3 = HALF FACE
 4 = FULL FACE 5 = AIR LINE 6 = DUST MASK 7 = SCBA

RAW DATA:

START TIME: 9:15 Am

STOP TIME: 9:45 Am

BEGINNING FLOW RATE: 2.0 l/m

ENDING FLOW RATE: 2.0 l/m

DO A 110561
 CONFIDENTIAL

INDUSTRIAL HYGIENE SAMPLE CONCENTRATION DATA ENTRY

NAME OF INVESTIGATOR: DEAN WALTERS

CHEMICAL NAME ASBESTOS DR# 0027-0713

PLANT CELL SERVICE PLANT NO. 0561

SAMPLE DATE (MMDDYY) 10-06-88
 SAMPLE NUMBER 08412
 SAMPLING TIME IN MIN. 30 min (EXHAUSTION)
 SAMPLE VOLUME IN LITERS 60.0
 SAMPLE TYPE (A, S OR P)

A=AREA

S=SHORT TERM

P=PERSONAL

IF AREA, DESCRIBE

RESPIRATOR TYPE (1 TO 7):*

8 OR 12 HOUR SHIFT

SHIFT 1, 2, OR 3

EMPLOYEE I.D. NO.

IH JOB ASSIGNMENT #

SP
1
8
1
437-42-888
CONTAMIN

SAMPLE CONCENTRATION RESULT 0.01

COMMENTS: Dropping 1N Cathodes + Buckled Down Cathodes
Atode Line

RESPIRATOR TYPE: 1 = NOT USED 2 = MOUTH-BIT 3 = HALF FACE
 4 = FULL FACE 5 = AIR LINE 6 = DUST MASK 7 = SCBA

RAW DATA:

START TIME: 9:15 AM
 STOP TIME: 9:45 AM
 BEGINNING FLOW RATE: 2.0 L/M
 ENDING FLOW RATE: 2.0 L/M

DO A 110562
 CONFIDENTIAL

INDUSTRIAL HYGIENE SAMPLE CONCENTRATION DATA ENTRY

NAME OF INVESTIGATOR: DEAN WALTERS

CHEMICAL NAME ASBESTOS DR# 0027-0713

PLANT CELL SERVICE PLANT NO. 0561

SAMPLE DATE (MMDDYY) 10 21 88

SAMPLE NUMBER 8418

SAMPLING TIME IN MIN. 470

SAMPLE VOLUME IN LITERS 916.5

SAMPLE TYPE (A, S OR P)

A=AREA

S=SHORT TERM

P=PERSONAL

IF AREA, DESCRIBE P

RESPIRATOR TYPE (1 TO 7)* 3

8 OR 12 HOUR SHIFT 8

SHIFT 1, 2, OR 3 1

EMPLOYEE I.D. NO. 436-41.6283

IH JOB ASSIGNMENT # Contractor

SAMPLE CONCENTRATION RESULT 0.066

COMMENTS: mixing Pulp (new top Compacted Bags) manually, 50 min lunch + break, 30 min cleaning Ditch, 6 hr 30 min

RESPIRATOR TYPE: 1 = NOT USED 2 = MOUTH-BIT 3 = HALF FACE
4 = FULL FACE 5 = AIR LINE 6 = DUST MASK 7 = SCBA

RAW DATA:

START TIME: 2:25 PM
STOP TIME: 2:05 PM
BEGINNING FLOW RATE: 2.0 L/min
ENDING FLOW RATE: 2.0 L/min

INDUSTRIAL HYGIENE SAMPLE CONCENTRATION DATA ENTRY

NAME OF INVESTIGATOR: DEAN WALTERS

CHEMICAL NAME ASBESTOS DR# 0027-0713

PLANT CELL SERVICE PLANT NO. 0561

SAMPLE DATE (MMDDYY) 10-29-88
 SAMPLE NUMBER DP420
 SAMPLING TIME IN MIN. 30 min (excursion)
 SAMPLE VOLUME IN LITERS 58.500
 SAMPLE TYPE (A, S OR P)

A=AREA

S=SHORT TERM

P=PERSONAL

IF AREA, DESCRIBE

RESPIRATOR TYPE (1 TO 7):

8 OR 12 HOUR SHIFT

SHIFT 1, 2, OR 3

EMPLOYEE I.D. NO.

IH JOB ASSIGNMENT #

S P
3
1
438-46-0054
Contractor

SAMPLE CONCENTRATION RESULT 0.02 f/cc

COMMENTS: DISPOSING OF Contaminated Clothing

RESPIRATOR TYPE: 1 = NOT USED 2 = MOUTH-BIT 3 = HALF FACE
 4 = FULL FACE 5 = AIR LINE 6 = DUST MASK 7 = SCBA

RAW DATA:

START TIME: 12:15 PM
 STOP TIME: 12:45 PM
 BEGINNING FLOW RATE: 2.0 L/min
 ENDING FLOW RATE: 1.9 L/min

DO A 110564
 CONFIDENTIAL

INDUSTRIAL HYGIENE SAMPLE CONCENTRATION DATA ENTRY

NAME OF INVESTIGATOR: DEAN WALTERS

CHEMICAL NAME ASBESTOS DR# 0027-0713

PLANT CELL SERVICE PLANT NO. 0561

SAMPLE DATE (MMDDYY) 11-15-88

SAMPLE NUMBER 08425

SAMPLING TIME IN MIN. 480

SAMPLE VOLUME IN LITERS 936

SAMPLE TYPE (A, S OR P)

A=AREA

S=SHORT TERM

P=PERSONAL

IF AREA, DESCRIBE P

RESPIRATOR TYPE (1 TO 7):# 3

8 OR 12 HOUR SHIFT 8

SHIFT 1, 2, OR 3 1

EMPLOYEE I.D. NO. 436-41-6283

IH JOB ASSIGNMENT # Contractor

SAMPLE CONCENTRATION RESULT 0.37 "Semi" Kan - 0.20

COMMENTS: 50 min lunch & break 6.0K mixing Pulp using
"Compressed" bags of ASBESTOS 1 hr 10 min washing down area

RESPIRATOR TYPE: 1 = NOT USED 2 = MOUTH-BIT 3 = HALF FACE
 4 = FULL FACE 5 = AIR LINE 6 = DUST MASK 7 = SCBA

RAW DATA:

START TIME: 6:00 AM

STOP TIME: 2:00 PM

BEGINNING FLOW RATE: 2.0 L/min

ENDING FLOW RATE: 1.9 L/min

DO A 110565
 CONFIDENTIAL

INDUSTRIAL HYGIENE SAMPLE CONCENTRATION DATA ENTRY

NAME OF INVESTIGATOR: DEAN WALTERS

CHEMICAL NAME ASBESTOS DR# 0027-0713

PLANT CELL SERVICE PLANT NO. 0561

SAMPLE DATE (MMDDYY) 11/17/88
 SAMPLE NUMBER 08426
 SAMPLING TIME IN MIN. 480
 SAMPLE VOLUME IN LITERS 936.0
 SAMPLE TYPE (A,S OR P)

A=AREA

S=SHORT TERM

(P)=PERSONAL

IF AREA, DESCRIBE

RESPIRATOR TYPE (1 TO 7):

8 OR 12 HOUR SHIFT

SHIFT 1, 2, OR 3

EMPLOYEE I.D. NO.

IN JOB ASSIGNMENT #

P
1
8
1
434-54-3788
Extractor

SAMPLE CONCENTRATION RESULT 0.02

COMMENTS: 50 min lunch & break 1 hour CP rated
Washer, 6 hr 10 min. Repairing Cathodes Revised Cathodes

RESPIRATOR TYPE: 1 = NOT USED 2 = MOUTH-BIT 3 = HALF FACE
 4 = FULL FACE 5 = AIR LINE 6 = DUST MASK 7 = SCBA

RAW DATA:

START TIME: 6:00AM
 STOP TIME: 2:00PM
 BEGINNING FLOW RATE: 2.0 L/min
 ENDING FLOW RATE: 1.9 L/min

DO A 110566
 CONFIDENTIAL

INDUSTRIAL HYGIENE SAMPLE CONCENTRATION DATA ENTRY

NAME OF INVESTIGATOR: DEAN WALTERS

CHEMICAL NAME ASBESTOS DR# 0027-0713

PLANT CELL SERVICE PLANT NO. 0561

SAMPLE DATE (MMDDYY) 11-17-88
 SAMPLE NUMBER 08427
 SAMPLING TIME IN MIN. 480
 SAMPLE VOLUME IN LITERS 936.0
 SAMPLE TYPE (A,S OR P)

A=AREA

S=SHORT TERM

P=PERSONAL

IF AREA, DESCRIBE

RESPIRATOR TYPE (1 TO 7):

8 OR 12 HOUR SHIFT

SHIFT 1, 2, OR 3

EMPLOYEE I.D. NO.

IH JOB ASSIGNMENT #

P
1
8
1
432-56-2213
Contractor

SAMPLE CONCENTRATION RESULT 0.0/c

COMMENTS: SD

RESPIRATOR TYPE: 1 = NOT USED 2 = MOUTH-BIT 3 = HALF FACE
 4 = FULL FACE 5 = AIR LINE 6 = DUST MASK 7 = SCBA

RAW DATA:

START TIME: 6:00 AM
 STOP TIME: 2:00 PM
 BEGINNING FLOW RATE: 2.0 l/m
 ENDING FLOW RATE: 1.9 l/m

DO A 110567
 CONFIDENTIAL

INDUSTRIAL HYGIENE SAMPLE CONCENTRATION DATA ENTRY

NAME OF INVESTIGATOR: DEAN WALTERS

CHEMICAL NAME ASBESTOS DR# 0027-0713

PLANT CELL SERVICE PLANT NO. 0561

SAMPLE DATE (MMDDYY) 11/30/88
 SAMPLE NUMBER 05430
 SAMPLING TIME IN MIN. 30
 SAMPLE VOLUME IN LITERS 58.5
 SAMPLE TYPE (A, S OR P)

A=AREA

S=SHORT TERM

P=PERSONAL

IF AREA, DESCRIBE

RESPIRATOR TYPE (1 TO 7):#

8 OR 12 HOUR SHIFT

SHIFT 1, 2, OR 3

EMPLOYEE I.D. NO.

IH JOB ASSIGNMENT #

S P
1
8
1
436-50-8990
Contractor

SAMPLE CONCENTRATION RESULT 0.019

COMMENTS: (Excursion) Drapping in Cathodes

RESPIRATOR TYPE: 1 = NOT USED 2 = MOUTH-BIT 3 = HALF FACE
 4 = FULL FACE 5 = AIR LINE 6 = DUST MASK 7 = SCBA

RAW DATA:

START TIME: 12:10 PM
 STOP TIME: 12:40 PM
 BEGINNING FLOW RATE: 2.0 L/min
 ENDING FLOW RATE: 1.9 L/min

DO A 110568
 CONFIDENTIAL

INDUSTRIAL HYGIENE SAMPLE CONCENTRATION DATA ENTRY

NAME OF INVESTIGATOR: DEAN WALTERS

CHEMICAL NAME ASBESTOS DR# 0027-0713

PLANT CELL SERVICE PLANT NO. 0561

SAMPLE DATE (MMDDYY) 11 30 88
 SAMPLE NUMBER 08431
 SAMPLING TIME IN MIN. 30
 SAMPLE VOLUME IN LITERS 60.0
 SAMPLE TYPE (A, S OR P)

A=AREA

☒ SHORT TERM

☐ PERSONAL

IF AREA, DESCRIBE

RESPIRATOR TYPE (1 TO 7):

8 OR 12 HOUR SHIFT

SHIFT 1, 2, OR 3

EMPLOYEE I.D. NO.

IH JOB ASSIGNMENT #

S.P.

1

8

1

438-46-005-4

Contractor

SAMPLE CONCENTRATION RESULT 0.016

COMMENTS: 30 MIN EXCURSION Dropping in Cathodes

RESPIRATOR TYPE: 1 = NOT USED 2 = MOUTH-BIT 3 = HALF FACE
 4 = FULL FACE 5 = AIR LINE 6 = DUST MASK 7 = SCBA

RAW DATA:

START TIME: 12:10 PM
 STOP TIME: 12:30 PM
 BEGINNING FLOW RATE: 2.0 L/min
 ENDING FLOW RATE: 2.0 L/min

DO A 110569
 CONFIDENTIAL

INDUSTRIAL HYGIENE SAMPLE CONCENTRATION DATA ENTRY

NAME OF INVESTIGATOR: DEAN WALTERS

CHEMICAL NAME ASBESTOS DR# 0027-0713

PLANT CELL SERVICE PLANT NO. 0561

SAMPLE DATE (MMDDYY) 12-01-88
 SAMPLE NUMBER 08429
 SAMPLING TIME IN MIN. 390
 SAMPLE VOLUME IN LITERS 1345.500
 SAMPLE TYPE (A,S OR P)

A=AREA

S=SHORT TERM

P=PERSONAL

IF AREA, DESCRIBE

RESPIRATOR TYPE (1 TO 7):

8 OR 12 HOUR SHIFT

SHIFT 1, 2, OR 3

EMPLOYEE I.D. NO.

IH JOB ASSIGNMENT #

1 - Equipment
D-201 South Texas Pulp Tank
8
1
1
1

SAMPLE CONCENTRATION RESULT 5.01

COMMENTS: D-201 South Texas Pulp Tank Vessel Entry Preparation

RESPIRATOR TYPE: 1 = NOT USED 2 = MOUTH-BIT 3 = HALF FACE
 4 = FULL FACE 5 = AIR LINE 6 = DUST MASK 7 = SCBA

RAW DATA:

START TIME: 6:15 AM
 STOP TIME: 12:45 PM
 BEGINNING FLOW RATE: 3.5 L/min
 ENDING FLOW RATE: 3.4 L/min

INDUSTRIAL HYGIENE SAMPLE CONCENTRATION DATA ENTRY

NAME OF INVESTIGATOR: DEAN WALTERS

CHEMICAL NAME ASBESTOS DR# 0027-0713

PLANT CELL SERVICE PLANT NO. 0561

SAMPLE DATE (MMDDYY) 12 26 88

SAMPLE NUMBER 08435

SAMPLING TIME IN MIN. 480

SAMPLE VOLUME IN LITERS 9.36

SAMPLE TYPE (A, S OR P)

A=AREA

S=SHORT TERM

P=PERSONAL

IF AREA, DESCRIBE Asbestos Room

RESPIRATOR TYPE (1 TO 7):# 8

8 OR 12 HOUR SHIFT 8

SHIFT 1, 2, OR 3 1

EMPLOYEE I.D. NO. _____

IH JOB ASSIGNMENT # _____

SAMPLE CONCENTRATION RESULT 5.01

COMMENTS: sample was placed under conveyor belt of pulp mixing
trucks. Personnel worked with asbestos in where I have 5 hours since
mixed pulp

RESPIRATOR TYPE: 1 = NOT USED 2 = MOUTH-BIT 3 = HALF FACE
 4 = FULL FACE 5 = AIR LINE 6 = DUST MASK 7 = SCBA

RAW DATA:

START TIME: 6:00 am

STOP TIME: 2:00 pm

BEGINNING FLOW RATE: 2.0 l/min

ENDING FLOW RATE: 1.94 l/min

DO A 110571
 CONFIDENTIAL

INDUSTRIAL HYGIENE SAMPLE CONCENTRATION DATA ENTRY

NAME OF INVESTIGATOR: DEAN WALTERS

CHEMICAL NAME ASBESTOS DR# 0027-0713

PLANT CELL SERVICE PLANT NO. 0561

SAMPLE DATE (MMDDYY) 12 09 88
 SAMPLE NUMBER 08440
 SAMPLING TIME IN MIN. 480
 SAMPLE VOLUME IN LITERS 960
 SAMPLE TYPE (A, S OR P)

A=AREA

S=SHORT TERM

P=PERSONAL

IF AREA, DESCRIBE Asbestos Room

RESPIRATOR TYPE (1 TO 7)* 8

8 OR 12 HOUR SHIFT 8

SHIFT 1, 2, OR 3 1

EMPLOYEE I.D. NO. -

IH JOB ASSIGNMENT # -

SAMPLE CONCENTRATION RESULT .04

COMMENTS: NORTH OF WEST DOOR IN PARKING, PERSONAL HAROLD
ASBESTOS IN WISE 1 HOUR mixed HUFF 5 HOUR SEMI

RESPIRATOR TYPE: 1 = NOT USED 2 = MOUTH-BIT 3 = HALF FACE
 4 = FULL FACE 5 = AIR LINE 6 = DUST MASK 7 = SCBA

RAW DATA:

START TIME: 6:00am
 STOP TIME: 2:00pm
 BEGINNING FLOW RATE: 2.0 L/min
 ENDING FLOW RATE: 1.9 L/min

DO A 110572
 CONFIDENTIAL

INDUSTRIAL HYGIENE SAMPLE CONCENTRATION DATA ENTRY

NAME OF INVESTIGATOR: DEAN WALTERS

CHEMICAL NAME ASBESTOS DR# 0027-0713

PLANT CELL SERVICE PLANT NO. 0561

SAMPLE DATE (MMDDYY) 12 02 78

SAMPLE NUMBER 08437

SAMPLING TIME IN MIN. 475

SAMPLE VOLUME IN LITERS 950

SAMPLE TYPE (A, S OR P) _____

A=AREA

S=SHORT TERM

P=PERSONAL

IF AREA, DESCRIBE _____

RESPIRATOR TYPE (1 TO 7): _____

8 OR 12 HOUR SHIFT _____

SHIFT 1, 2, OR 3 _____

EMPLOYEE I.D. NO. 436-41-6283

IH JOB ASSIGNMENT # Contractor

SAMPLE CONCENTRATION RESULT 0.10

COMMENTS: 50 min lunch & break, 1 hour check equipment.
1 hour Hauled Asbestos into waste, 5 hours 5 min mixing paper

RESPIRATOR TYPE: 1 = NOT USED 2 = MOUTH-BIT 3 = HALF FACE
 4 = FULL FACE 5 = AIR LINE 6 = DUST MASK 7 = SCBA

RAW DATA:

START TIME: 6:00 AM

STOP TIME: 1:55 PM

BEGINNING FLOW RATE: 2.0 L/min

ENDING FLOW RATE: 2.0 L/min

DO A 110573
 CONFIDENTIAL

INDUSTRIAL HYGIENE SAMPLE CONCENTRATION DATA ENTRY

NAME OF INVESTIGATOR: DEAN WALTERS

CHEMICAL NAME ASBESTOS DR# 0027-0713

PLANT CELL SERVICE PLANT NO. 0561

SAMPLE DATE (MMDDYY) 12-02-88

SAMPLE NUMBER 08438

SAMPLING TIME IN MIN. 482

SAMPLE VOLUME IN LITERS 264.0

SAMPLE TYPE (A, S OR P) A

A=AREA

S=SHORT TERM

P=PERSONAL

IF AREA, DESCRIBE Asbestos Room

RESPIRATOR TYPE (1 TO 7): 8

8 OR 12 HOUR SHIFT 8

SHIFT 1, 2, OR 3 1

EMPLOYEE I.D. NO. _____

IH JOB ASSIGNMENT # _____

SAMPLE CONCENTRATION RESULT 0.18

COMMENTS: Sample on West S. East of Pulp Milling Tank
Procedure: Blended asbestos 10 Whse 1 Hr. Mixed Pulp 5 Hr 5 min

RESPIRATOR TYPE: 1 = NOT USED 2 = MOUTH-BIT 3 = HALF FACE
 4 = FULL FACE 5 = AIR LINE 6 = DUST MASK 7 = SCBA

RAW DATA:

START TIME: 6:00 am

STOP TIME: 2:02 PM

BEGINNING FLOW RATE: 2.0 l/min

ENDING FLOW RATE: 2.0 l/min

DO A 110574
 CONFIDENTIAL

6

INDUSTRIAL HYGIENE SAMPLE CONCENTRATION DATA ENTRY

NAME OF INVESTIGATOR: DEAN WALTERS

CHEMICAL NAME ASBESTOS DR# 0027-0713

PLANT CELL SERVICE PLANT NO. 0561

SAMPLE DATE (MMDDYY) 12-9-88
SAMPLE NUMBER 08439
SAMPLING TIME IN MIN. 480
SAMPLE VOLUME IN LITERS 760
SAMPLE TYPE (A, S OR P)

A=AREA

S=SHORT TERM

P=PERSONAL

IF AREA, DESCRIBE

RESPIRATOR TYPE (1 TO 7):*

8 OR 12 HOUR SHIFT

SHIFT 1, 2, OR 3

EMPLOYEE I.D. NO.

IH JOB ASSIGNMENT #

SAMPLE CONCENTRATION RESULT 0.05

COMMENTS: Sample Placed under ^{DW} conveyor East of mix tank
Personnel Noted asbestos in waste. I have mixed Huffs 5 Hrs 5 min.

RESPIRATOR TYPE: 1 = NOT USED 2 = MOUTH-BIT 3 = HALF FACE
4 = FULL FACE 5 = AIR LINE 6 = DUST MASK 7 = SCBA

RAW DATA:

START TIME: 6:00 AM

STOP TIME: 2:00 PM

BEGINNING FLOW RATE: 2.0 L/min

ENDING FLOW RATE: 2.0 L/min

DO A 110575
CONFIDENTIAL