

WASHINGTON WORKS
INDUSTRIAL HYGIENE REPORT
FROM 1-Jan-1995 TO 18-Dec-1997

18-Dec-1997
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AREA: FLUOROCARBONS - COPOLYMERS

CHEMICAL

SAMPLE LOCATION

*:CONTROL

✓ C-8/FC-143 610 (P/S) BEAD SWECO SCREENER OPERAT

DATE: 9-Jul-1997 NOTEBOOK: TCP02, P293 EMPLOYEE #00000

DURATION: 390 CONC: 0.02 MPB PERS CODE: 18PJ

SAMPLE TYPE: P PERCENTAGE: 4%

*: *contract*

TO: R Zipfel
S. Chapman
T. Raylis

cc: J. J. J. J.

per R. Zipfel request:

C-8 Sampling at Bead facility - last

3 yrs;

Circle note personal or area sample;

✓ Notes these samples were not
included in Jennifer's report

Continue set sampling frequency

TCP 603 was 090, now 030 days

TCP 610 090 days

TCP 611 180 days

Happy Holidays!

EID093079

RJ2021164



EID093079

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AREA: FLUOROCARBONS - COPOLYMERS

CHEMICAL	SAMPLE LOCATION		
			*:CONTROL
✓ C-8/FC-143	603 (P/S) & A/S - BEAD OVEN ROOM	(18	*:RESP PROT
DATE: 11-Jul-1995	NOTEBOOK: TCP01,P848	EMPLOYEE #10159	
DURATION: 360	CONC: 0.13 MPB	PERS CODE: 18PJ	
SAMPLE TYPE: P	PERCENTAGE: 23%		
✓ C-8/FC-143	603 (P/S) & A/S - BEAD OVEN ROOM	(18	*:RESP PROT
DATE: 13-Jun-1996	NOTEBOOK: TCP02,P059	EMPLOYEE #00000	<i>contract</i>
DURATION: 375	CONC: 0.02 MPB	PERS CODE: 18PJ	
SAMPLE TYPE: P	PERCENTAGE: 4%		
✓ C-8/FC-143	603 (P/S) & A/S - BEAD OVEN ROOM	(18	*:RESP PROT
DATE: 27-Mar-1997	NOTEBOOK: TCP02,P230	EMPLOYEE #00000	<i>contract</i>
DURATION: 270	CONC: 0.18 MPB	PERS CODE: 18PJ	
SAMPLE TYPE: P	PERCENTAGE: 32%		
✓ C-8/FC-143	603 P/S & (A/S) - BEAD OVEN ROOM	(18	*:RESP PROT
DATE: 27-Mar-1997	NOTEBOOK: TCP02,P230	EMPLOYEE #00000	
DURATION: 120	CONC: 0.96 MPB	PERS CODE:	
SAMPLE TYPE: A	PERCENTAGE: 171% *****		
✓ C-8/FC-143	603 P/S & (A/S) - BEAD OVEN ROOM	(18	*:RESP PROT
DATE: 9-Jul-1997	NOTEBOOK: TCP02,P292	EMPLOYEE #00000	
DURATION: 390	CONC: 0.83 MPB	PERS CODE:	
SAMPLE TYPE: A	PERCENTAGE: 148% *****		
✓ C-8/FC-143	603 (P/S) & A/S - BEAD OVEN ROOM	(18	*:RESP PROT
DATE: 9-Jul-1997	NOTEBOOK: TCP02,P291	EMPLOYEE #00000	<i>contract</i>
DURATION: 390	CONC: 0.08 MPB	PERS CODE: 18PJ	
SAMPLE TYPE: P	PERCENTAGE: 14%		
✓ C-8/FC-143	603 P/S & (A/S) - BEAD OVEN ROOM	(18	*:RESP PROT
DATE: 21-Oct-1997	NOTEBOOK: TCP02,P375	EMPLOYEE #00000	
DURATION: 360	CONC: 47.86 MPB	PERS CODE:	
SAMPLE TYPE: A	PERCENTAGE: ***** over 1000% *****		

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AREA: FLUOROCARBONS - COPOLYMERS

CHEMICAL SAMPLE LOCATION

*:CONTROL

✓ C-8/FC-143 611 BEAD - P/S-A/S - LASER INSPECT *:
DATE: 27-Mar-1997 NOTEBOOK: TCP02,P231 EMPLOYEE #00000
DURATION: 420 CONC: 0.01 MPB PERS CODE: 18PJ
SAMPLE TYPE: P PERCENTAGE: 2%

✓ C-8/FC-143 611 BEAD - P/S-A/S - LASER INSPECT *:
DATE: 27-Mar-1997 NOTEBOOK: TCP02,P231 EMPLOYEE #00000
DURATION: 420 CONC: 0.01 MPB PERS CODE:
SAMPLE TYPE: A PERCENTAGE: 2%

✓ C-8/FC-143 611 BEAD - P/S-A/S - LASER INSPECT *:
DATE: 8-Apr-1997 NOTEBOOK: TCP02,P242 EMPLOYEE #00000
DURATION: 180 CONC: <.01 MPB PERS CODE:
SAMPLE TYPE: A PERCENTAGE: 2%

✓ C-8/FC-143 611 BEAD - P/S-A/S - LASER INSPECT *:
DATE: 8-Apr-1997 NOTEBOOK: TCP02,P243 EMPLOYEE #00000
DURATION: 180 CONC: 0.02 MPB PERS CODE: 18PJ
SAMPLE TYPE: P PERCENTAGE: 4%

✓ C-8/FC-143 611 BEAD - P/S-A/S - LASER INSPECT *:
DATE: 7-Oct-1997 NOTEBOOK: TCP02,P369 EMPLOYEE #00000
DURATION: 360 CONC: <.01 MPB PERS CODE:
SAMPLE TYPE: A PERCENTAGE: 2%

RJ2021166

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Area	Location	Sample Location	Surface	Result (ppb)	Source
Homopolymers (B162)	Polyketide Control Room Area	outside door on the stand that holds the trash C-8 unit behind Control Room at Clean Room end of dryers on top of cabinets	Metal	4478.8	Nichols
Homopolymers (B162)	Dryer Area		Painted Metal	310.2	Nichols
Homopolymers (B162)	C-8 Recovery Control Room	on top of small silver box on wall to the right as you enter in front of Dry Screen Room (Wax Room) and on small metal shelf on #2 Dryer side	Metal	154.8	Nichols
Homopolymers (B162)	Dryer Area	at front end of Polyketide Control Room	Metal	124.8	Nichols
FEP (B162) Areas	#1 Flake Storage Hopper	positioned approximately in the middle of the entire area on only flat surface that was dirty	Metal	83.4	Nichols
Homopolymers (B162)	C-8 Recovery Control Room Area	small white refrigerator to the left of mixing hood by C-8 tank	Metal	62.8	Nichols
Homopolymers (B162)	Polyketide Control Room Area	Top of oven room hood vent #3 oven	Painted Metal	77.4	Nichols
B-123 Seed Facility	Seed Facility	Oven room weigh desk	Metal	73.2	Skakala Dines 12/16/97 Note
B-123 Seed Facility	Seed Facility		Metal	70.1	Skakala Dines 12/16/97 Note
Homopolymers (B162)	Fine Powder Finishing (Dryer)	top of monitor	Plastic	62.2	Nichols
FEP (B162) Areas	#1 FEP Clean Room	Along long rectangular lengthwise beam	Metal	58.0	Skakala Dines 12/16/97 Note
Homopolymers (B162)	Autoclave Control Room	on top of long shelf that has monitors sitting on it	Laminated Wood	48.5	Nichols
B-123 Seed Facility	Seed Facility	Along glove storage box in pacifier room in Foreman's room adjacent to monitor room on top of cabinet in rear corner	Plastic	45.7	Skakala Dines 12/16/97 Note
Homopolymers (B162)	Fine Powder Finishing (Dryer)		Painted Metal	40.1	Nichols
Homopolymers (B162)	Control Room	Dry Screen Room on blue switch bases for molekule analyzer	Painted Metal	38.8	Nichols
Homopolymers (B162)	Dryer Area	behind the packout dispersion area on tan supply cabinet by desk	Painted Metal	31.1	Nichols
Homopolymers (B162)	Warehouse	on inside ledge of north end of AC part of the Autoclave Control Room HVAC unit	Metal	29.7	Nichols
Homopolymers (B162)	Roof Area	along west wall by #3 Dryer on top of yellow breathing air box	Painted Metal	29.3	Nichols
Homopolymers (B162)	Dryer Area	on top of two silver cabinets caught in-between Control Room	Painted Metal	28.8	Nichols
Homopolymers (B162)	Autoclave/Polyketide Control Room	on base of the backside (west unit side) of the FPDryer area and close ingredient hood exhaust	Metal	28.5	Nichols
Homopolymers (B162)	Roof Area	at small control panel (across from stairwell doorway) on top of face shield box	Clear Plastic	27.2	Nichols
Homopolymers (B162)	Packout Dispersion Area	across from door to smoking area - on top of microwave	Plastic Covered	25.8	Nichols
Homopolymers (B162)	Women's Lounge	warehouse along turnaround area - on top of box for safety glasses beside of door from turnaround area	Painted Wood	26.7	Nichols
FEP (B162) Areas	Warehouse	on top of desk/storage stand in-between the Dispersion Packout and wash basin	Metal	25.5	Nichols
FEP (B162) Areas	Dispersion Packout Area	on top of vent above the bench	Metal	25.8	Nichols
Homopolymers (B162)	Smoking Area	In-between Dispersion Packout and Dry Flake Packout leading to second floor) on ledge halfway upstairs	Metal	25.5	Nichols
FEP (B162) Areas	Stairwell	on top of monitor at far end (from door) of control panel	Plastic	23.4	Nichols
Homopolymers (B162)	Monomer Control Room	FEP Ovens - top of yellow metal - #1 oven	Painted Metal	23.4	Skakala Dines 12/5/97 Note
FEP (B162) Areas	Oven Area	on top of refrigerator	Metal	23.2	Nichols
Homopolymers (B162)	Autoclave Control Room	Along refrigerator in breakroom	Plastic Covered	22.8	Skakala Dines 12/16/97 Note
B-123 Seed Facility	Seed Facility	on top of microwave	Painted Metal	21.2	Nichols
Homopolymers (B162)	Polyketide Control Room	inside on small ledge to left of corridor by Monomer Control Room - last office on left (R108) on filing cabinet right of desk	Painted Metal	18.3	Nichols
FEP (B162) Areas	#3 Stab Drop		Painted Metal	17.5	Nichols
Homopolymers (B162)	N. Office area		Painted Metal	16.4	Nichols
Homopolymers (B162)	Roof Area	on small ledge at bottom of Wax Room HVAC unit's intake	Metal	16.8	Nichols
Homopolymers (B162)	Lunchroom - Monomer Control		Painted Metal	16.8	Nichols
Homopolymers (B162)	Room Area	on underside of the N. Office HVAC unit intake	Metal	15.8	Nichols
Homopolymers (B162)	Roof Area	on top of monitor (over vent) in computer/monitor room adjacent to control area	Plastic	15.3	Nichols
Homopolymers (B162)	Monomer Control Room	on top of lockers against the wall beside of the old Extruder Control Room	Painted Metal	15.2	Nichols
FEP (B162) Areas	Extruder Area	Boilzone top in Rulerator CFI	Metal	14.1	Skakala Dines 12/16/97 Note
B-123 Seed Facility	Seed Facility	FEP Ovens - top of exhaust - tray out #3	Metal	13.8	Skakala Dines 12/5/97 Note
FEP (B162) Areas	Oven Area	on top of white exhaust vent on HVAC unit in southwest corner of area (to the side of doorway to hallway office)	Painted Metal	13.8	Nichols
FEP (B162) Areas	Extruder Area	Along both freezing	Metal	11.8	Skakala Dines 12/16/97 Note
FEP (B162) Areas	#2 FEP Clean Room	at west end of Monomer Control Room HVAC unit on top of small box underneath of larger safety switch box	Metal	11.2	Nichols
Homopolymers (B162)	Roof Area		Metal	11.0	Nichols
Homopolymers (B162)	Smoking Area	collected sample of dust in vent (weighing 0.00351 grams) small blue box under large blue box on wall around corner from bathroom across from stretcher	Painted Metal	9.9	Nichols
FEP (B162) Areas	Full Area	N. Tank Farm - top of breathing air station	Metal	9.3	Skakala Dines 12/5/97 Note
N. Tank Farm		Convey ramp line 60 poliboth	Plastic	9.0	Skakala Dines 12/16/97 Note
Homopolymers (B162)	Fine Powder Packout Room	on top of monitor in middle of control panel	Plastic	8.6	Nichols
Homopolymers (B162)	Monomer Control Room	FEP Ovens - top of exhaust - #1 & #2	Painted Metal	8.3	Skakala Dines 12/5/97 Note
FEP (B162) Areas	Oven Area	on top of black air mask box at breathing air station 18	Painted Metal	8.2	Nichols
FEP (B162) Areas	Dry Flake Packout Area	FEP Ovens - plastic shield - tray out #3	Metal	8.0	Skakala Dines 12/5/97 Note
FEP (B162) Areas	Oven Area	on top of old Oven Control Room AG unit behind Control Room in front of conveyor system	Painted Metal	7.8	Nichols
Homopolymers (B162)	Oven Area	Top of Plexiglas weigh station	Plastic	7.8	Skakala Dines 12/16/97 Note
Homopolymers (B162)	Fine Powder Packout Room	Top of control panel line #3	Metal	6.9	Skakala Dines 12/16/97 Note
Homopolymers (B162)	Fine Powder Packout Room	on top of control panel line #2	Metal	6.8	Skakala Dines 12/16/97 Note
FEP (B162) Areas	Oven Area	on top of storage cabinets along back wall across from Oven #3	Metal	6.5	Nichols
FEP (B162) Areas	Second Floor Polyketide Control Room	at far end (from door) of control area on top of box that houses two monitors	Laminated Wood	6.1	Nichols
FEP (B162) Areas	Oven Area	on blue "check scale" panel box in-between conveyor system and Oven #1	Painted Metal	4.7	Nichols
Homopolymers (B162)	Polyketide Control Room	on top of black coat rack inside door	Painted Metal	4.5	Nichols
FEP (B162) Areas	Oven Area	on blue box on wall in-between Oven #2 and the old Oven Control Room	Painted Metal	4.5	Nichols
Homopolymers (B162)	Fine Powder Packout Room	Top of temperature control box across from Polyketide Control Room - on top of brown vending machine	Metal	4.5	Skakala Dines 12/16/97 Note
FEP (B162) Areas	Break Room	on top of breathing air station 34 black box in-between Oven #2 and conveyor system	Painted Metal	4.1	Nichols
FEP (B162) Areas	Oven Area	on top of monitor along dividing wall	Plastic	2.8	Nichols
FEP (B162) Areas	New Control Room	N. Tank Farm - top of meter	Metal	1.9	Nichols
N. Tank Farm		B-12 office behind the trucks	Metal	1.8	Skakala Dines 12/5/97 Note
B-12		doorframe, as you enter Control Room (roughly 100cm ²) area	Metal	1.4	Skakala Dines 12/5/97 Note
Homopolymers (B162)	Polyketide Control Room		Metal	1.1	Nichols
B-12		B-12 M. Bailey's office on cabinet	Metal	0.7	Skakala Dines 12/5/97 Note
B-12		B-12 top of filing cabinet	Metal	0.5	Skakala Dines 12/5/97 Note
FEP (B162) Areas	Oven Area	FEP Ovens - top of plastic shield - #1 & #2	Metal	0.3	Skakala Dines 12/5/97 Note

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Air Samples

Position	Sample #	Payroll #	Date	Result (mpb)	Wind/ Morning	Wind/ Afternoon	Weather	Notes	Roof
N. Offices Roof HVAC	(TMO045)		07/10/97	Spilled	S	SW	Clear		Y
FEP Oven Control Room, Position 2	(TCP231)		08/07/97	Spilled	S	NNE	Clear		
A/S Bead Oven Room	COPOLYMERS		9/97-11/97	47.86					
FEP Oven Control Room, Position 1	(TCP231)		07/17/97	4.31	NE	NE	Clear		
FP&D Autoclave Control Room Intake	(TMO045)		07/25/97	2.90	S	E	Cloudy		
FP Finishing Dryer Operator	(TTF102/08PI)	4872	07/14/97	2.43					
Wax Room HVAC Intake	(TMO045)		07/29/97	2.17	S	N	Clear		Y
Wax Room HVAC Intake	(TMO045)		07/24/97	2.13	S	S	Rain		Y
Granular Polykettle Control Room	(TTF060)		07/09/97	1.91	E	NWS	Rain		
Granular Polykettle Control Room	(TTF060)		07/29/97	1.80	S	N	Clear	Note 2	
FEP Oven Control Room, Position 2	(TCP231)		07/18/97	1.59	NE	NE	Clear		
Wax Room HVAC Intake	(TMO045)		07/22/97	1.21	SW	NWS	Cloudy		Y
Wax Room HVAC Intake	(TMO045)		07/23/97	1.08	S	W	Cloudy		Y
FP&D Autoclave Control Room Intake	(TMO045)		07/24/97	0.96	S	S	Rain		
FP&D Autoclave Control Room Intake	(TMO045)		07/29/97	0.94	S	N	Clear	Note 2	
FP Finishing (Dryer) Control Room	(TTF031)		07/21/97	0.76	NE	NE	Clear		
Wax Room HVAC Intake	(TMO045)		07/25/97	0.69	S	E	Cloudy		Y
Wax Room	(TTF028)		07/23/97	0.52	S	W	Cloudy		
FP&D Autoclave Control Room Intake	(TMO045)		07/23/97	0.51	S	W	Cloudy		
FEP Polykettle Control Room, Position 1	(TCP215)		08/04/97	0.48	S	SSE	Stormy		
Monomer Control Room HVAC Intake	(TMO045)		07/29/97	0.45	S	N	Clear	Note 2	Y
FEP Extruder Control Room	(TCP268)		07/28/97	0.45	N	NS	Cloudy		
B162 2nd Level Outside Smoking Area	(TMO048)		07/09/97	0.43	E	NW	Rain		Y
Wax Room	(TTF028)		07/24/97	0.43	S	S	Rain		
Wax Room	(TTF028)		07/21/97	0.42	NE	NE	Clear		
Wax Room	(TTF028)		08/04/97	0.41	S	SSE	Stormy		
Wax Room	(TTF028)		07/11/97	0.40	S	S	Clear		
Monomer Control Room HVAC Intake	(TMO045)		07/24/97	0.39	S	S	Rain		Y
Wax Room	(TTF028)		07/10/97	0.37	S	SW	Clear		
#3 Slab Drop While In Use	(TCP237)		07/28/97	0.37				Note 3	
Wax Room	(TTF028)		07/25/97	0.36	S	E	Cloudy		
Monomer Control Room HVAC Intake	(TMO045)		07/25/97	0.34	S	E	Cloudy		Y
FP Finishing (Dryer) Control Room	(TTF031)		07/23/97	0.33	S	W	Cloudy		
B162 2nd Level Outside Smoking Area	(TMO048)		07/11/97	0.32	S	S	Clear		Y
FP&D Autoclave Control Room Intake	(TMO045)		08/05/97	0.30	SSE	SSE	Clear		
FEP Polykettle Control Room, Position 1	(TCP215)		07/29/97	0.29	S	N	Clear	Note 2	
Wax Room	(TTF028)		07/22/97	0.28	SW	NWS	Cloudy		
B162 2nd Level Outside Smoking Area	(TMO048)		07/10/97	0.26	S	SW	Clear		Y
Wax Room HVAC Intake	(TMO045)		07/21/97	0.26	NE	NE	Clear		Y
FP Finishing Dryer Operator	(TTF102/08PI)	4382	07/25/97	0.26					
FEP Oven Control Room, Position 2	(TCP231)		07/29/97	0.25	S	N	Clear	Note 2	
#3 Slab Drop While In Use	(TCP237)		08/08/97	0.25				Note 4	
B162 2nd Level Outside Smoking Area	(TMO048)		07/23/97	0.23	S	W	Cloudy		Y
B162 2nd Level Outside Smoking Area	(TMO048)		07/25/97	0.23	S	E	Cloudy		Y
FEP Polykettle Control Room, Position 1	(TCP215)		08/07/97	0.23	S	NNE	Clear		
FEP Oven Control Room, Position 2	(TCP231)		08/08/97	0.23	SSW	SW	Clear		
B162 2nd Level Outside Smoking Area	(TMO048)		07/24/97	0.22	S	S	Rain		Y
N. Offices Roof HVAC	(TMO045)		07/25/97	0.22	S	E	Cloudy	Note 2	Y
Wax Room HVAC Intake	(TMO045)		08/05/97	0.19	SSE	SSE	Clear		Y
FP&D Autoclave Control Room Intake	(TMO045)		07/22/97	0.19	SW	NWS	Cloudy		
FEP Oven Control Room, Position 1	(TCP231)		07/28/97	0.19	N	NS	Cloudy		
FEP Oven Control Room, Position 2	(TCP231)		07/14/97	0.18	NE	NE	Clear		
FP Finishing Dryer Operator	(TTF102/08PI)	4824	07/25/97	0.18					
B162 2nd Level Outside Smoking Area	(TMO045)		07/21/97	0.17	NE	NE	Clear		Y
Monomer Control Room HVAC Intake	(TMO045)		07/22/97	0.17	SW	NWS	Cloudy		Y
FEP Oven Control Room, Position 1	(TCP231)		07/29/97	0.17	S	N	Clear	Note 2	
Monomer Control Room HVAC Intake	(TMO045)		07/23/97	0.16	S	W	Cloudy		Y
FEP Oven Control Room, Position 2	(TCP231)		07/16/97	0.16	NE	E	Clear		
FP Finishing Dryer Operator	(TTF102/08PI)	10203	08/06/97	0.16					
N. Offices Roof HVAC	(TMO045)		07/21/97	0.15	NE	NE	Clear		Y
B162 2nd Level Outside Smoking Area	(TMO048)		07/22/97	0.15	SW	NWS	Cloudy		Y
P/S FEP E&I Mech / Shutdown	COPOLYMERS		9/97-11/97	0.15					
N. Offices Roof HVAC	(TMO045)		07/24/97	0.14	S	S	Rain		Y
N. Offices Roof HVAC	(TMO045)		07/11/97	0.13	S	S	Clear		Y
Monomer Control Room	(TMO100)		08/05/97	0.13	SSE	SSE	Clear		
C-8 Recovery Operator	(TTF068/08PM)		07/17/97	0.12	NE	NE	Clear		
FEP Oven Control Room, Position 1	(TCP231)		07/30/97	0.12	S	SSW	Clear	Note 2	
FEP Polykettle Control Room, Position 2	(TCP215)		08/04/97	0.12	S	SSE	Stormy		

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Air Samples

A/S FEP Slab Racks	COPOLYMERS	9/97-11/97	0.12					
Monomer Control Room HVAC Intake	(TMO045)	07/21/97	0.11	NE	NE	Clear		Y
N. Offices Roof HVAC	(TMO045)	07/23/97	0.11	S	W	Cloudy		Y
Granular Polykettle Control Room	(TTF060)	07/11/97	0.11	S	S	Clear		
FP Finishing (Dryer) Control Room	(TTF031)	07/30/97	0.11	S	SSW	Clear	Note 2	
N. Offices Roof HVAC	(TMO045)	07/09/97	0.10	E	NW	Rain		Y
FEP Oven Control Room, Position 1	(TCP231)	07/14/97	0.09	NE	NE	Clear		
FEP Oven Control Room, Position 2	(TCP231)	07/17/97	0.08	NE	NE	Clear		
FP Finishing (Dryer) Control Room	(TTF031)	07/25/97	0.08	S	E	Cloudy		
A/S #2 Initiator Platform	COPOLYMERS	9/97-11/97	0.08					
N. Offices Roof HVAC	(TMO045)	07/22/97	0.07	SW	NWS	Cloudy		Y
Monomer Control Room HVAC Intake	(TMO045)	08/05/97	0.07	SSE	SSE	Clear		Y
FEP Oven Control Room, Position 1	(TCP231)	07/16/97	0.07	NE	E	Clear		
FEP Oven Control Room, Position 2	(TCP231)	07/28/97	0.07	N	NS	Cloudy		
FEP Oven Control Room, Position 2	(TCP231)	07/31/97	0.07	S	NNW	Clear	Note 2	
B162 2nd Level Outside Smoking Area	(TMO048)	08/07/97	0.06	S	NNE	Clear		Y
Wax Room	(TTF028)	07/09/97	0.06	E	NW	Rain		
FP Finishing (Dryer) Control Room	(TTF031)	07/11/97	0.06	S	S	Clear		
FEP Oven Control Room, Position 1	(TCP231)	07/18/97	0.06	NE	NE	Clear		
C-8 Recovery Operator	(TTF068/08PM)	08/05/97	0.06	SSE	SSE	Clear		
FP Finishing Dryer Operator	(TTF102/08PM)	10177	08/06/97					
FP Finishing Dryer Operator	(TTF102/08PM)	10214	08/12/97					
B162 2nd Level Outside Smoking Area	(TMO048)	08/04/97	0.05	S	SSE	Stormy		Y
FP&D Autoclave Control Room	(TTF010)	07/11/97	0.05	S	S	Clear		
FEP Extruder Control Room	(TCP268)	07/14/97	0.05	NE	NE	Clear		
FEP Polykettle Control Room, Position 1	(TCP215)	07/14/97	0.05	NE	NE	Clear		
FP Finishing (Dryer) Control Room	(TTF031)	07/24/97	0.05	S	S	Rain		
Monomer Control Room	(TMO100)	07/28/97	0.05	N	NS	Cloudy		
FEP Oven Control Room, Position 1	(TCP231)	08/06/97	0.05	S	SSE	Clear		
FEP Extruder Control Room	(TCP268)	07/18/97	0.04	NE	E	Clear		
FEP Extruder Control Room	(TCP268)	07/17/97	0.04	NE	NE	Clear		
New FEP Control Room	(TCP280)	07/17/97	0.04	NE	NE	Clear		
FEP Extruder Control Room	(TCP268)	07/18/97	0.04	NE	NE	Clear		
FP&D Autoclave Control Room	(TTF010)	07/25/97	0.04	S	E	Cloudy		
New FEP Control Room	(TCP280)	07/28/97	0.04	N	NS	Cloudy		
FEP Polykettle Control Room, Position 2	(TCP215)	07/31/97	0.04	S	NNW	Clear	Note 2	
FEP Oven Control Room, Position 1	(TCP231)	08/07/97	0.04	S	NNE	Clear		
FP Finishing (Dryer) Control Room	(TTF031)	08/07/97	0.04	S	NNE	Clear		
P/S FEP PK Operator	COPOLYMERS	9/97-11/97	0.04					
New FEP Control Room	(TCP280)	07/14/97	0.03	NE	NE	Clear		
FEP Polykettle Control Room, Position 2	(TCP215)	07/29/97	0.03	S	N	Clear	Note 2	
FEP Oven Control Room, Position 1	(TCP231)	07/31/97	0.03	S	NNW	Clear	Note 2	
FEP Oven Control Room, Position 2	(TCP231)	08/04/97	0.03	S	SSE	Stormy		
FP Finishing (Dryer) Control Room	(TTF031)	08/06/97	0.03	S	SSE	Clear		
P/S Shift Mechanic	MONOMER	9/97-11/97	0.03					
P/S Fine Powder Dryer Op	HOMOPOLYMERS	9/97-11/97	0.03					
P/S Day Poly Area Mechanic	HOMOPOLYMERS	9/97-11/97	0.03					
New FEP Control Room	(TCP280)	07/16/97	0.02	NE	E	Clear		
FP Finishing (Dryer) Control Room	(TTF031)	07/22/97	0.02	SW	NWS	Cloudy		
FP&D Autoclave Control Room	(TTF010)	07/23/97	0.02	S	W	Cloudy		
Monomer Control Room	(TMO100)	07/23/97	0.02	S	W	Cloudy		
FP&D Autoclave Control Room	(TTF010)	07/24/97	0.02	S	S	Rain		
Monomer Control Room	(TMO100)	07/25/97	0.02	S	E	Cloudy		
FEP Oven Control Room, Position 1	(TCP231)	08/04/97	0.02	S	SSE	Stormy		
FEP Oven Control Room, Position 2	(TCP231)	08/06/97	0.02	S	SSE	Clear		
FP&D Autoclave Control Room	(TTF010)	08/07/97	0.02	S	NNE	Clear		
A/S #2 Booster Pump	COPOLYMERS	9/97-11/97	0.02					
P/S FEP General Day Mech	COPOLYMERS	9/97-11/97	0.02					
P/S FEP General Shift Mech	COPOLYMERS	9/97-11/97	0.02					
P/S FEP General Day Mech	COPOLYMERS	9/97-11/97	0.02					
FP Finishing (Dryer) Control Room	(TTF031)	07/10/97	0.01	S	SW	Clear		
FEP Polykettle Control Room, Position 2	(TCP215)	07/17/97	0.01	NE	NE	Clear		
FEP Polykettle Control Room, Position 2	(TCP215)	07/18/97	0.01	NE	NE	Clear		
New FEP Control Room	(TCP280)	07/18/97	0.01	NE	NE	Clear		
FP&D Autoclave Control Room	(TTF010)	07/28/97	0.01	N	NS	Cloudy		
Monomer Control Room	(TMO100)	07/29/97	0.01	S	N	Clear		
FEP Polykettle Control Room, Position 2	(TCP215)	07/30/97	0.01	S	SSW	Clear	Note 2	
New FEP Control Room	(TCP280)	07/30/97	0.01	S	SSW	Clear	Note 2	
FEP Polykettle Control Room, Position 1	(TCP215)	08/08/97	0.01	SSW	SW	Clear		
P/S Dispersion Packout	HOMOPOLYMERS	9/97-11/97	0.01					

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P/S FEP General Shift Mech	COPOLYMERS	9/97-11/97	0.01						
P/S FEP E&I Mechanic	COPOLYMERS	9/97-11/97	0.01						
B162 2nd Level Outside Smoking Area	(TMO048)	07/30/97	0.00	S	SSW	Clear	Note 2	Y	
C-8 Recovery Operator	(TTF068/08PM)	07/08/97	0.00	NE	NE	Clear	Note 1		
Granular Polykettle Control Room	(TTF060)	07/08/97	0.00	NE	NE	Clear	Note 1		
FP Finishing (Dryer) Control Room	(TTF031)	07/09/97	0.00	E	NW	Rain	Note 1		
FP&D Autoclave Control Room	(TTF010)	07/09/97	0.00	E	NW	Rain	Note 1		
FP&D Autoclave Control Room	(TTF010)	07/10/97	0.00	S	SW	Clear	Note 1		
Granular Polykettle Control Room	(TTF060)	07/10/97	0.00	S	SW	Clear	Note 1		
FEP Polykettle Control Room, Position 2	(TCP215)	07/14/97	0.00	NE	NE	Clear	Note 1		
FP Finishing Dryer Operator	(TTF102/08PI)	07/14/97	0.00				Note 1		
FEP Polykettle Control Room, Position 1	(TCP215)	07/16/97	0.00	NE	E	Clear	Note 1		
FEP Polykettle Control Room, Position 2	(TCP215)	07/16/97	0.00	NE	E	Clear	Note 1		
FEP Polykettle Control Room, Position 1	(TCP215)	07/17/97	0.00	NE	NE	Clear	Note 1		
FEP Polykettle Control Room, Position 1	(TCP215)	07/18/97	0.00	NE	NE	Clear	Note 1		
FP&D Autoclave Control Room	(TTF010)	07/21/97	0.00	NE	NE	Clear	Note 1		
Granular Polykettle Control Room	(TTF060)	07/21/97	0.00	NE	NE	Clear	Note 1		
Monomer Control Room	(TMO100)	07/21/97	0.00	NE	NE	Clear	Note 1		
FP&D Autoclave Control Room	(TTF010)	07/22/97	0.00	SW	NWS	Cloudy	Note 1		
Granular Polykettle Control Room	(TTF060)	07/22/97	0.00	SW	NWS	Cloudy	Note 1		
Monomer Control Room	(TMO100)	07/22/97	0.00	SW	NWS	Cloudy	Note 1		
Granular Polykettle Control Room	(TTF060)	07/22/97	0.00	S	W	Cloudy	Note 1		
Granular Polykettle Control Room	(TTF060)	07/24/97	0.00	S	S	Rain	Note 1		
Monomer Control Room	(TMO100)	07/24/97	0.00	S	S	Rain	Note 1		
Granular Polykettle Control Room	(TTF060)	07/25/97	0.00	S	E	Cloudy	Note 1		
FEP Polykettle Control Room, Position 1	(TCP215)	07/28/97	0.00	N	NS	Cloudy	Note 1		
FEP Polykettle Control Room, Position 2	(TCP215)	07/28/97	0.00	N	NS	Cloudy	Note 1		
Granular Polykettle Control Room	(TTF060)	07/28/97	0.00	N	NS	Cloudy	Note 1		
FEP Extruder Control Room	(TCP268)	07/28/97	0.00	N	NS	Cloudy	Note 1		
FP&D Autoclave Control Room	(TTF010)	07/29/97	0.00	S	N	Clear	Note 2		
New FEP Control Room	(TCP280)	07/29/97	0.00	S	N	Clear	Note 2		
FEP Extruder Control Room	(TCP268)	07/29/97	0.00	S	N	Clear	Note 2		
FEP Oven Control Room, Position 2	(TCP231)	07/30/97	0.00	S	SSW	Clear	Note 2		
FEP Polykettle Control Room, Position 1	(TCP215)	07/30/97	0.00	S	SSW	Clear	Note 2		
FEP Extruder Control Room	(TCP268)	07/30/97	0.00	S	SSW	Clear	Note 2		
FEP Polykettle Control Room, Position 1	(TCP215)	07/31/97	0.00	S	NNW	Clear	Note 2		
FP Finishing (Dryer) Control Room	(TTF031)	07/31/97	0.00	S	NNW	Clear	Note 2		
FP&D Autoclave Control Room	(TTF010)	07/31/97	0.00	S	NNW	Clear	Note 2		
Granular Polykettle Control Room	(TTF060)	07/31/97	0.00	S	NNW	Clear	Note 2		
Monomer Control Room	(TMO100)	07/31/97	0.00	S	NNW	Clear	Note 2		
New FEP Control Room	(TCP280)	07/31/97	0.00	S	NNW	Clear	Note 2		
FEP Extruder Control Room	(TCP268)	07/31/97	0.00	S	NNW	Clear	Note 2		
FP Finishing (Dryer) Control Room	(TTF031)	08/04/97	0.00	S	SSE	Stormy	Note 1		
FP&D Autoclave Control Room	(TTF010)	08/04/97	0.00	S	SSE	Stormy	Note 1		
Granular Polykettle Control Room	(TTF060)	08/04/97	0.00	S	SSE	Stormy	Note 1		
Monomer Control Room	(TMO100)	08/04/97	0.00	S	SSE	Stormy	Note 1		
New FEP Control Room	(TCP280)	08/04/97	0.00	S	SSE	Stormy	Note 1		
FP Finishing (Dryer) Control Room	(TTF031)	08/04/97	0.00	S	SSE	Stormy	Note 1		
FP&D Autoclave Control Room	(TTF010)	08/05/97	0.00	SSE	SSE	Clear	Note 1		
Granular Polykettle Control Room	(TTF060)	08/05/97	0.00	SSE	SSE	Clear	Note 1		
FEP Extruder Control Room	(TCP268)	08/05/97	0.00	SSE	SSE	Clear	Note 1		
FEP Polykettle Control Room, Position 1	(TCP215)	08/06/97	0.00	S	SSE	Clear	Note 1		
FEP Polykettle Control Room, Position 2	(TCP215)	08/06/97	0.00	S	SSE	Clear	Note 1		
New FEP Control Room	(TCP280)	08/06/97	0.00	S	SSE	Clear	Note 1		
FEP Polykettle Control Room, Position 2	(TCP215)	08/06/97	0.00	S	SSE	Clear	Note 1		
Granular Polykettle Control Room	(TTF060)	08/07/97	0.00	S	NNE	Clear	Note 1		
Monomer Control Room	(TMO100)	08/07/97	0.00	S	NNE	Clear	Note 1		
New FEP Control Room	(TCP280)	08/07/97	0.00	S	NNE	Clear	Note 1		
C-8 Recovery Operator	(TTF068/08PM)	08/07/97	0.00	S	NNE	Clear	Note 1		
FEP Extruder Control Room	(TCP268)	08/08/97	0.00	SSW	SW	Clear	Note 1		
FEP Oven Control Room, Position 1	(TCP231)	08/08/97	0.00	SSW	SW	Clear	Note 1		
FEP Polykettle Control Room, Position 2	(TCP215)	08/08/97	0.00	SSW	SW	Clear	Note 1		
FP Finishing (Dryer) Control Room	(TTF031)	08/08/97	0.00	SSW	SW	Clear	Note 1		
FP&D Autoclave Control Room	(TTF010)	08/08/97	0.00	SSW	SW	Clear	Note 1		
Granular Polykettle Control Room	(TTF060)	08/08/97	0.00	SSW	SW	Clear	Note 1		
Monomer Control Room	(TMO100)	08/08/97	0.00	SSW	SW	Clear	Note 1		
New FEP Control Room	(TCP280)	08/08/97	0.00	SSW	SW	Clear	Note 1		
FEP Polykettle Control Room, Position 1	(TCP215)	08/08/97	0.00	SSW	SW	Clear	Note 1		
FEP Polykettle Control Room, Position 2	(TCP215)	08/12/97	0.00	S	SEE	Rain	Note 1		
FP Finishing (Dryer) Control Room	(TTF031)	08/12/97	0.00	S	SEE	Rain	Note 1		
		08/12/97	0.00	SSE	E	Rain	Note 1		

Air Samples

FP Finishing Dryer Operator	(TTF102/08PI)	4382	08/12/97	0.00					Note 1
FP Finishing Dryer Operator	(TTF102/08PI)	4824	08/12/97	0.00					Note 1
FP&D Autoclave Control Room	(TTF010)		08/12/97	0.00	SSE	E	Rain		Note 1
Granular Polykettle Control Room	(TTF060)		08/12/97	0.00	SSE	E	Rain		Note 1
Monomer Control Room	(TMO100)		08/12/97	0.00	SSE	E	Rain		Note 1
New FEP Control Room	(TCP280)		08/12/97	0.00	SSE	E	Rain		Note 1
FEP Polykettle Control Room, Position 1	(TCP215)		08/13/97	0.00	S	SE	Rain		Note 1
FEP Polykettle Control Room, Position 2	(TCP215)		08/13/97	0.00	S	SE	Rain		Note 1
FP Finishing (Dryer) Control Room	(TTF031)		08/13/97	0.00	S	SE	Rain		Note 1
FP&D Autoclave Control Room	(TTF010)		08/13/97	0.00	S	SE	Rain		Note 1
Granular Polykettle Control Room	(TTF060)		08/13/97	0.00	S	SE	Rain		Note 1
Monomer Control Room	(TMO100)		08/13/97	0.00	S	SE	Rain		Note 1
New FEP Control Room	(TCP280)		08/13/97	0.00	S	SE	Rain		Note 1
P/S Fine Powder Packout	HOMOPOLYMERS		9/97-11/97	0.00					
A/S Wax Room	HOMOPOLYMERS		9/97-11/97	0.00					
A/S Dryer Control Room	HOMOPOLYMERS		9/97-11/97	0.00					
A/S Dryer Control Room	HOMOPOLYMERS		9/97-11/97	0.00					
A/S Gran PK Control Room	HOMOPOLYMERS		9/97-11/97	0.00					
P/S C-8 Rec Op Chg Filters	HOMOPOLYMERS		9/97-11/97	0.00					
P/S Fine Powder AC Op	HOMOPOLYMERS		9/97-11/97	0.00					
P/S Day Poly E&I Mechanic	HOMOPOLYMERS		9/97-11/97	0.00					
P/S FEP Flake Packout Op	COPOLYMERS		9/97-11/97	0.00					
P/S Wet Finishing Operator	COPOLYMERS		9/97-11/97	0.00					
P/S FEP Extruder Operator	COPOLYMERS		9/97-11/97	0.00					
P/S Bead Laser Insp	COPOLYMERS		9/97-11/97	0.00					