*VPS START JOB03416 70S TCT032L AECXTX1 FRI 28 MAY 1999 12.16.03

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INDUSTRIAL HYGIENE DEPARTMENT - PLANT 515
DETAIL REPORT FOR ASBESTOS
********** PLANT WIDE **********
1970 THROUGH 1979

PROCESS: ACETIC ESTERS/ACIDS
BLDG NO: 21

CONTAMINANT: ASBESTOS

RECORD NUMBER	DATE	EQPT	JOB TITLE	SAMP TOTL TIME		AIR CONC	CEIL/ STEL	8-HOUR T.W.A. CONC.	THRESHOLD LIMIT VALUE	BOOTS WORN	PROTECT CLOTHING WORN	GLOVES WORN	GOGGLES WORN	RESP WORN
1245	08/23/78	SOUTHWEST		0394	<	.1000 F/CC			2.000	NO	NO	NO	NO	NO

10L
THE SAMPLE WAS TAKEN AT THE PIPERACK STANCHION WEST OF BLDG. 21.THE SAMPLING POINT WAS DOWNWIND OF THE CLEANUP AREA.THE DEMOLITION CREW WERE CLEANING UP OLD INSULATION AND PUTTING IT IN PLASTIC BAGS FOR DISPOSAL.SAMPLE TAKEN BY FILTER CASS-ETTE.

1611	11/03/78	SOUTHWEST		0440	<	.0100 F/CC			2.000	NO	NO	NO	NO	NO

10M
AREA SAMPLE PLACED AT BREATHING ZONE LEVEL NEAR THE WEST SIDE WALK AT THE SOUTH END OF BLDG.21.THE SAMPLE WAS TAKEN TO DET-ERMINE ASBESTOS FIBER CONTAMINATION FROM THE DEMOLITION AREA. WINDS WERE VARIABLE FROM NORTH TO SOUTHEAST.DEMOLITION CREW CLEANING UP THE AREA AND BAGGING INSULATION.DEMOLITION CLEAN-UP PEOPLE WERE WEARING DUST MASKS AND COVERALLS.

1612	11/03/78	NORTHWEST		0440	<	.0100 F/CC			2.000	NO	NO	NO	NO	NO

10M
AREA SAMPLE PLACED AT BREATHING ZONE LEVEL WEST OF BLDG.21 ON A PIPERACK SUPPORT NEAR THE SIDEWALK.THE SAMPLE WAS TAKEN TO DETERMINE ASBESTOS FIBER CONTAMINATION FROM THE DEMOLITION AREA.THE DEMOLITION CREW WAS CLEANING UP THE AREA AND BAGGING INSULATION.WINDS WERE VARIABLE FROM NORTH TO SOUTHEAST.CLEAN-UP PEOPLE WERE WEARING DUST MASKS AND COVERALLS.

1613	11/03/78	NORTH		0439	<	.0100 F/CC			2.000	NO	NO	NO	NO	NO

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DETAIL REPORT FOR ASBESTOS
********** PLANT WIDE **********
1970 THROUGH 1979

PROCESS: ACETIC ESTERS/ACIDS
BLDG NO: 21

CONTAMINANT: ASBESTOS

RECORD NUMBER	DATE	EQPT	JOB TITLE	SAMP TOTL TIME		AIR CONC	CEIL/ STEL	8-HOUR T.W.A. CONC.	THRESHOLD LIMIT VALUE	BOOTS WORN	PROTECT CLOTHING WORN	GLOVES WORN	GOGGLES WORN	RESP WORN
				10M		AREA SAMPLE PLACED AT BREATHING ZONE LEVEL NORTH OF BLDG.21 AT THE OLD SUMP PITS.THE SAMPLE WAS TAKEN TO DETERMINE ASBESTOS FIBER CONTAMINATION FROM THE DEMOLITION AREA.THE DEMOLITION CREW WAS CLEANING UP THE AREA AND BAGGING INSULATION.THE WINDS WERE VARIABLE FROM NORTH TO SOUTHEAST.CLEAN-UP PEOPLE WERE WEARING DUST MASKS AND COVERALLS.								
1614	11/03/78	SOUTH		0440	<	.0100 F/CC			2.000	NO	NO	NO	NO	NO
				10M		AREA SAMPLE PLACED AT BREATHING ZONE LEVEL SOUTH OF BLDG.21 AT THE TANK AREA.THE SAMPLE WAS TAKEN TO DETERMINE ASBESTOS FIBER CONTAMINATION FROM THE DEMOLITION AREA.THE DEMOLITION CREW WAS CLEANING UP THE AREA AND BAGGING INSULATION.WINDS WERE VARIABLE FROM NORTH TO SOUTHEAST.CLEAN-UP PEOPLE WERE WEARING DUST MASKS AND COVERALLS.								
1615	11/03/78	SOUTHEAST		0440	<	.0100 F/CC			2.000	NO	NO	NO	NO	NO
				10M		AREA SAMPLE PLACED AT BREATHING ZONE LEVEL SOUTHEAST OF BLDG. 21 AT THE TANK AREA.THE SAMPLE WAS TAKEN TO DETERMINE ASBESTOS FIBER CONTAMINATION FROM THE DEMOLITION AREA.THE DEMOLITION CREW WAS CLEANING UP THE AREA AND BAGGING INSULATION.THE WINDS WERE VARIABLE FROM NORTH TO SOUTHEAST.CLEAN-UP PEOPLE WERE WEARING DUST MASKS AND COVERALLS.								
1616	11/03/78	EAST		0440	<	.0100 F/CC			2.000	NO	NO	NO	NO	NO
				10M										

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INDUSTRIAL HYGIENE DEPARTMENT - PLANT 515
DETAIL REPORT FOR ASBESTOS
********** PLANT WIDE **********
1970 THROUGH 1979

PROCESS: ACETIC ESTERS/ACIDS
BLDG NO: 21

CONTAMINANT: ASBESTOS

RECORD NUMBER	DATE	EQPT	JOB TITLE	SAMP TOTL TIME		AIR CONC	CEIL/ STEL	8-HOUR T.W.A. CONC.	THRESHOLD LIMIT VALUE	BOOTS WORN	PROTECT CLOTHING WORN	GLOVES WORN	GOGGLES WORN	RESP WORN
						AREA SAMPLE PLACED AT BREATHING ZONE LEVEL EAST OF BLDG.21 AT THE TANK AREA.THE SAMPLE WAS TAKEN TO DETERMINE ASBESTOS FIBER CONTAMINATION FROM THE DEMOLITION AREA.THE DEMOLITION CREW WAS CLEANING UP THE AREA AND BAGGING INSULATION.THE WINDS WERE VARIABLE FROM NORTH TO SOUTHEAST.CLEAN-UP PEOPLE WERE WEARING DUST MASKS AND COVERALLS.								
1641	11/08/78	SOUTH		0397	<	.0100 F/CC			2.000	NO	NO	NO	NO	NO
			10M			AREA SAMPLE PLACED AT BREATHING ZONE LEVEL SOUTH OF BLDG.21 AT THE TANK AREA.THE SAMPLE WAS TAKEN TO DETERMINE ASBESTOS FIBER CONTAMINATION FROM THE DEMOLITION AREA.THE DEMOLITION CREW WAS CLEANING UP THE AREA AND BAGGING INSULATION.WINDS WERE FROM THE SOUTHEAST.CLEAN-UP PEOPLE WERE WEARING DUST MASKS AND COVERALLS.								
1642	11/08/78	SOUTHEAST		0397		.0120 F/CC			2.000	NO	NO	NO	NO	NO
			10M			AREA SAMPLE PLACED AT BREATHING ZONE LEVEL SOUTHEAST OF BLDG. 21 AT THE TANK AREA.THE SAMPLE WAS TAKEN TO DETERMINE ASBESTOS FIBER CONTAMINATION FROM THE DEMOLITION AREA.THE DEMOLITION CREW WAS CLEANING UP THE AREA AND BAGGING INSULATION.THE WINDS WERE FROM THE SOUTHEAST.CLEAN-UP PEOPLE WERE WEARING DUST MASKS AND COVERALLS.								
1643	11/08/78	EAST		0395	<	.0100 F/CC			2.000	NO	NO	NO	NO	NO
			14M											

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INDUSTRIAL HYGIENE DEPARTMENT - PLANT 515
DETAIL REPORT FOR ASBESTOS
********** PLANT WIDE **********
1970 THROUGH 1979

PROCESS: ACETIC ESTERS/ACIDS
BLDG NO: 21

CONTAMINANT: ASBESTOS

RECORD NUMBER	DATE	EQPT	JOB TITLE	SAMP TOTL TIME		AIR CONC	CEIL/ STEL	8-HOUR T.W.A. CONC.	THRESHOLD LIMIT VALUE	BOOTS WORN	PROTECT CLOTHING WORN	GLOVES WORN	GOGGLES WORN	RESP WORN
						AREA SAMPLE PLACED AT BREATHING ZONE LEVEL EAST OF BLDG.21 AT THE TANK AREA.THE SAMPLE WAS TAKEN TO DETERMINE ASBESTOS FIBER CONTAMINATION FROM THE DEMOLITION AREA.THE DEMOLITION CREW WAS CLEANING UP THE AREA AND BAGGING INSULATION.WINDS WERE FROM THE SOUTHEAST.CLEAN-UP PEOPLE WERE WEARING DUST MASKS AND COVERALLS.								
1644	11/08/78	ALL AREAS	CHIEF OP 0391			.0180 F/CC		.0180	2.000	NO	NO	NO	NO	NO
						10M CHIEF OPERATOR PERFORMING DUTIES AS FIRE WATCH FOR THE DEMOLITION AREA.ROAMS AROUND ALL DAY OVER THE AREA WATCHING WORK IN PROGRESS.STAYS UPWIND OF ASBESTOS HANDLING.								
1645	11/09/78	SOUTHWEST		0430		.0110 F/CC			2.000	NO	NO	NO	NO	NO
						10M AREA SAMPLE PLACED AT BREATHING ZONE LEVEL NEAR THE WEST SIDE WALK AT THE SOUTH END OF BLDG.21.THE SAMPLE WAS TAKEN TO DETERMINE ASBESTOS FIBER CONTAMINATION FROM THE DEMOLITION AREA. THE DEMOLITION CREW WAS CLEANING UP THE AREA AND BAGGING THE INSULATION.ONE LARGE VESSEL WAS REMOVED FROM THE STRUCTURE AND THE INSULATION REMOVED FROM IT.THE CLEAN-UP CREW WORE DUST MASKS AND COVERALLS.WINDS WERE FROM THE NORTHEAST.								
1646	11/09/78	SOUTH		0430	<	.0100 F/CC			2.000	NO	NO	NO	NO	NO
						10M AREA SAMPLE PLACED AT BREATHING ZONE LEVEL NEAR THE TANK AREA SOUTH OF BLDG.21.THE SAMPLE WAS TAKEN TO DETERMINE ASBESTOS								

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DETAIL REPORT FOR ASBESTOS
********** PLANT WIDE **********
1970 THROUGH 1979

PROCESS: ACETIC ESTERS/ACIDS
BLDG NO: 21

CONTAMINANT: ASBESTOS

RECORD NUMBER	DATE	EQPT	JOB TITLE	SAMP TOTL TIME		AIR CONC	CEIL/ STEL	8-HOUR T.W.A. CONC.	THRESHOLD LIMIT VALUE	BOOTS WORN	PROTECT CLOTHING WORN	GLOVES WORN	GOGGLES WORN	RESP WORN
						FIBER CONTAMINATION FROM THE DEMOLITION AREA.THE DEMOLITION CREW REMOVED A LARGE VESSEL FROM THE STRUCTURE.THE INSULATION WAS REMOVED FROM THE VESSEL.AND PUT IN PLASTIC BAGS.THE CLEAN UP CREW WORE DUST MASKS AND COVERALLS.WINDS WERE FROM THE NORTHEAST.									
1649	11/09/78	SOUTHEAST		0430	<	.0100 F/CC			2.000	NO	NO	NO	NO	NO
						10M AREA SAMPLE PLACED AT BREATHING ZONE LEVEL NEAR THE TANK AREA SOUTHEAST OF BLDG.21.THE SAMPLE WAS TAKEN TO DETERMINE ASBESTOS FIBER CONTAMINATION FROM THE DEMOLITION AREA.THE DEMOLITION CREW REMOVED A LARGE VESSEL FROM THE STRUCTURE.THE INSULATION WAS REMOVED FROM THE VESSEL AND PUT IN PLASTIC BAGS. THE CLEAN-UP CREW WORE DUST MASKS AND COVERALLS.WINDS WERE FROM THE NORTHEAST.									
1650	11/09/78	ALL AREAS	CHIEF OP	0431	<	.0100 F/CC	.0100		2.000	NO	NO	NO	NO	NO
						10M CHIEF OPERATOR PERFORMING DUTIES AS FIRE WATCH FOR THE DEMOLITION AREA.ROAMS AROUND OVER THE ENTIRE AREA ALL DAY WATCHING THE DEMOLITION WORK IN PROGRESS.HE STAYS UPWIND OF THE ASBESTOS HANDLING.									
1671	11/10/78	NORTHWEST		0450	<	.0100 F/CC			2.000	NO	NO	NO	NO	NO
						10M AREA SAMPLE PLACED AT BREATHING ZONE LEVEL NORTHWEST OF BLDG. 21 NEAR THE SIDEWALK.SAMPLE WAS TAKEN TO DETERMINE ASBESTOS									

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DETAIL REPORT FOR ASBESTOS
********** PLANT WIDE **********
1970 THROUGH 1979

PROCESS: ACETIC ESTERS/ACIDS
BLDG NO: 21

CONTAMINANT: ASBESTOS

RECORD NUMBER	DATE	EQPT	JOB TITLE	SAMP TOTL TIME		AIR CONC	CEIL/ STEL	8-HOUR T.W.A. CONC.	THRESHOLD LIMIT VALUE	BOOTS WORN	PROTECT CLOTHING WORN	GLOVES WORN	GOGGLES WORN	RESP WORN
						FIBER CONTAMINATION FROM THE DEMOLITION AREA.THE INSULATION WAS PLACED IN PLASTIC BAGS.CLEAN-UP PEOPLE WORE DUST MASKS AND COVERALLS.WINDS WERE FROM THE SOUTHEAST.								
1672	11/10/78	SOUTHWEST		0450	<	.0100 F/CC		2.000	NO	NO	NO	NO	NO	
						10M AREA SAMPLE PLACED AT BREATHING ZONE LEVEL SOUTHWEST OF BLDG. 21 NEAR THE SIDEWALK.SAMPLE WAS TAKEN TO DETERMINE ASBESTOS FIBER CONTAMINATION FROM THE DEMOLITION AREA.THE INSULATION WAS PLACED IN PLASTIC BAGS.CLEAN-UP CREWS WORE DUST MASKS AND COVERALLS.WINDS WERE FROM THE SOUTHEAST.								
1673	11/10/78	SOUTHWEST		0445	<	.0100 F/CC		2.000	NO	NO	NO	NO	NO	
						10M AREA SAMPLE PLACED AT BREATHING ZONE LEVEL SOUTHEAST OF BLDG. 21 NEAR THE TANK AREA.SAMPLE WAS TAKEN TO DETERMINE ASBESTOS FIBER CONTAMINATION FROM THE DEMOLITION AREA.THE INSULATION WAS PLACED IN PLASTIC BAGS.CLEAN-UP PEOPLE WORE DUST MASKS AND COVERALLS.WINDS WERE FROM THE SOUTHEAST.								
1674	11/10/78	NORTH		0450	<	.0100 F/CC		2.000	NO	NO	NO	NO	NO	
						10M AREA SAMPLE PLACED AT BREATHING ZONE LEVEL NORTH OF BLDG.21 NEAR THE SUMP PITS.SAMPLE WAS TAKEN TO DETERMINE ASBESTOS FIBER CONTAMINATION FROM THE DEMOLITION AREA.THE INSULATION WAS PLACED IN PLASTIC BAGS.CLEAN-UP PEOPLE WORE DUST MASKS AND COVERALLS.WINDS WERE FROM THE SOUTHEAST.								

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DETAIL REPORT FOR ASBESTOS
********** PLANT WIDE **********
1970 THROUGH 1979

PROCESS: ACETIC ESTERS/ACIDS
BLDG NO: 21

CONTAMINANT: ASBESTOS

RECORD NUMBER	DATE	EQPT	JOB TITLE	SAMP TOTL TIME		AIR CONC	CEIL/ STEL	8-HOUR T.W.A. CONC.	THRESHOLD LIMIT VALUE	BOOTS WORN	PROTECT CLOTHING WORN	GLOVES WORN	GOGGLES WORN	RESP WORN
1702	11/15/78	NORTH		0475		.0500 F/CC			2.000	NO	NO	NO	NO	NO
		10M AREA SAMPLE PLACED AT BREATHING ZONE LEVEL NORTH OF BLDG.21 NEAR THE SUMP PITS.THE SAMPLE WAS TAKEN TO DETERMINE ASBESTOS FIBER CONTAMINATION FROM THE DEMOLITION AREA.ALL INSULATION WAS PLACED IN PLASTIC BAGS.THE CLEAN-UP CREW WAS WEARING DUST MASKS AND COVERALLS.WINDS WERE SOUTHEAST.													
1703	11/15/78	NORTHWEST		0475	<	.0100 F/CC			2.000	NO	NO	NO	NO	NO
		10M AREA SAMPLE PLACED AT BREATHING ZONE LEVEL NORTHWEST OF BLDG-21 NEAR THE SIDEWALK.THE SAMPLE WAS TAKEN TO DETERMINE ASBESTOS FIBER CONTAMINATION FROM THE DEMOLITION AREA.ALL INSULATION WAS PLACED IN PLASTIC BAGS.THE CLEAN-UP CREW WAS WEARING DUST MASKS AND COVERALLS.WINDS WERE SOUTHEAST.													
1704	11/15/78	SOUTH		0475	<	.0100 F/CC			2.000	NO	NO	NO	NO	NO
		10M AREA SAMPLE PLACED AT BREATHING ZONE LEVEL SOUTH OF BLDG.21 AT THE TANK AREA.THE SAMPLE WAS TAKEN TO DETERMINE ASBESTOS FIBER CONTAMINATION FROM THE DEMOLITION AREA.ALL INSULATION WAS PLACED IN PLASTIC BAGS.THE CLEAN-UP CREW WAS WEARING DUST MASKS AND COVERALLS.WINDS WERE SOUTHEAST.													
1705	11/15/78	SOUTHEAST		0475		.2300 F/CC			2.000	NO	NO	NO	NO	NO
		10M AREA SAMPLE PLACED AT BREATHING ZONE LEVEL SOUTHEAST OF BLDG.												

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INDUSTRIAL HYGIENE DEPARTMENT - PLANT 515
DETAIL REPORT FOR ASBESTOS
********** PLANT WIDE **********
1970 THROUGH 1979

PROCESS: ACETIC ESTERS/ACIDS
BLDG NO: 21

CONTAMINANT: ASBESTOS

RECORD NUMBER	DATE	EQPT	JOB TITLE	SAMP TOTL TIME	AIR CONC	CEIL/ STEL	8-HOUR T.W.A. CONC.	THRESHOLD LIMIT VALUE	BOOTS WORN	PROTECT CLOTHING WORN	GLOVES WORN	GOGGLES WORN	RESP WORN

21 NEAR THE TANK AREA.THE SAMPLE WAS TAKEN TO DETERMINE ASBE-
STOS FIBER CONTAMINATION FROM THE DEMOLITION AREA.ALL INSUL-
ATION WAS PLACED IN PLASTIC BAGS.THE CLEAN-UP CREW WAS WEAR-
ING DUST MASKS AND COVERALLS.WINDS WERE SOUTHEAST.

1675	11/10/78	ALL AREAS	CHIEF OP 0455		.0100 PPM		.0100	2.000	NO	NO	NO	NO	NO

10M
CHIEF OPERATOR PERFORMING DUTIES AS FIRE WATCH FOR THE DEMO-
LITION AREA.ROAMS AROUND THE ENTIRE AREA ALL DAY WATCHING THE
DEMOLITION WORK IN PROGRESS.HE STAYS UPWIND OF THE ASBESTOS
HANDLING.

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INDUSTRIAL HYGIENE DEPARTMENT - PLANT 515
DETAIL REPORT FOR ASBESTOS
********** PLANT WIDE **********
1970 THROUGH 1979

PROCESS: DOWTHERM FURNACES
BLDG NO: 20

CONTAMINANT: ASBESTOS

RECORD NUMBER	DATE	EQPT	JOB TITLE	SAMP TOTL TIME		AIR CONC	CEIL/ STEL	8-HOUR T.W.A. CONC.	THRESHOLD LIMIT VALUE	BOOTS WORN	PROTECT CLOTHING WORN	GLOVES WORN	GOGGLES WORN	RESP WORN
0967	07/06/78	PIPERACK		0404	<	1.0000 F/CC			2.000	NO	NO	NO	NO	NO

10L
SAMPLE WAS COLLECTED AT THE PIPERACK STANCHION NORTHWEST OF THE DEMOLITION AREA,AT BREATHING ZONE LEVEL.WINDS WERE SSE BY SE.SAMPLE WAS TAKEN TO DETERMINE AIRBORNE ASBESTOS FIBER CONT AMINATION OF ADJACENT AREAS.

0968	07/06/78	PIPERACK		0404	<	1.0000 F/CC			2.000	NO	NO	NO	NO	NO

10L
SAMPLE WAS COLLECTED AT THE PIPERACK STANCHION NNW OF THE DEMOLITION AREA,AT BREATHING ZONE LEVEL.WINDS WERE SSE BY SE SAMPLE WAS TAKEN TO DETERMINE AIRBORNE ASBESTOS FIBER CONT-AMINATION OF ADJACENT AREAS.

1178	08/07/78	PIPERACK		0220	<	1.0000 F/CC			2.000	NO	NO	NO	NO	NO

10L
SAMPLE WAS TAKEN DOWNWIND OF THE DOWTHERM FURNACE BLDG.WINDS WERE EAST TO NORTHEAST.SAMPLER WAS PLACED AT BREATHING ZONE LEVEL ON THE PIPERACK STANCHION WEST OF THE BLDG.THE SAMPLE WAS TAKEN TO DETERMINE AIRBORNE ASBESTOS FIBER CONTAMINATION OF ADJACENT AREAS.

1179	08/07/78	PIPERACK		0220	<	1.0000 F/CC			2.000	NO	NO	NO	NO	NO

10L
SAMPLE WAS TAKEN DOWNWIND OF THE DOWTHERM FURNACE BLDG.WINDS WERE EAST TO NORTHEAST.SAMPLER WAS PLACED AT BREATHING ZONE

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INDUSTRIAL HYGIENE DEPARTMENT - PLANT 515
DETAIL REPORT FOR ASBESTOS
********** PLANT WIDE **********
1970 THROUGH 1979

PROCESS: DOWTHERM FURNACES
BLDG NO: 20

CONTAMINANT: ASBESTOS

RECORD NUMBER	DATE	EQPT	JOB TITLE	SAMP TOTL TIME		AIR CONC	CEIL/ STEL	8-HOUR T.W.A. CONC.	THRESHOLD LIMIT VALUE	BOOTS WORN	PROTECT CLOTHING WORN	GLOVES WORN	GOGGLES WORN	RESP WORN
						LEVEL ON THE PIPERACK STANCHION SOUTHWEST OF THE BLDG. THE SAMPLE WAS TAKEN TO DETERMINE AIRBORNE ASBESTOS FIBER CONTAMINATION OF ADJACENT AREAS.								
1244	08/23/78	SOUTHWEST		0402	<	.1000 F/CC			2.000	NO	NO	NO	NO	NO
						10L THE SAMPLE WAS TAKEN AT THE WEST END OF THE SUMP PIT SOUTH OF BLDG.20.THE DEMOLITION CREW WERE CLEANING THE AREA OF THE OLD INSULATION,SHOVELING IT UP AND PLACING IT IN PLASTIC BAGS FOR DISPOSAL.SAMPLES WERE TAKEN BY CELLULOSE FILTER CASSETTE.								

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INDUSTRIAL HYGIENE DEPARTMENT - PLANT 515
DETAIL REPORT FOR ASBESTOS
********** PLANT WIDE **********
1970 THROUGH 1979

PROCESS: ENERGY SYS COOLING WATER
BLDG NO: 9

CONTAMINANT: ASBESTOS

RECORD NUMBER	DATE	EQPT	JOB TITLE	SAMP TOTL TIME	AIR CONC	CEIL/ STEL	8-HOUR T.W.A. CONC.	THRESHOLD LIMIT VALUE	BOOTS WORN	PROTECT CLOTHING WORN	GLOVES WORN	GOGGLES WORN	RESP WORN
2116	01/30/79			0139	.1000 F/CC			2.000	NO	NO	NO	NO	NO
			44 AREA SAMPLE TAKEN AT BREATHING ZONE LEVEL SOUTH OF THE ROPED OFF AREA FOR INSULATION REMOVAL.THE JOHNS-MANVILLE CREW WERE REMOVING INSULATION FROM THE 70# STEAM LINES.										
2117	01/30/79			0139	2.2000 F/CC			2.000	NO	NO	NO	NO	NO
			44 AREA SAMPLE TAKEN AT BREATHING ZONE LEVEL EAST OF THE AREA THAT WAS ROPED OFF FOR INSULATION REMOVAL.THE JOHNS-MANVILLE CREW WERE REMOVING INSULATION FROM THE 70# STEAM LINES.										
2115	01/30/79	C	INSULR	0138	2.6000 F/CC			2.000	NO	YES	YES	YES	YES
			REMOVING OLD INSULATION FROM THE 70# STEAM HEADER LINES IN THE NORTHEAST CORNER OF BLDG.9.ALL DOORS WERE CLOSED AND VERY LITTLE AIR MOVEMENT WAS OBSERVED.THE AREA WAS ROPED OFF WITH CAUTION LABELED PLASTIC TAPE AND ASBESTOS HAZARD SIGNS WERE POSTED.THERE WERE NO UNAUTHORIZED PERSONNEL IN THE AREA.WATER FROM A SPRAY NOZZLE WAS KEPT RUNNING ON ALL INSULATION AS IT WAS REMOVED.THE INSULATION WAS PROPPED TO THE FLOOR WHERE IT COULD BE PICKED UP AND PLACED IN PLASTIC BAGS.ALL PERSONNEL COULD BE PICKED UP AND PLACED IN PLASTIC BAGS.ALL PERSONNEL										
2118	01/30/79	C	LABRER	0128	.6000 F/CC			2.000	NO	YES	YES	YES	YES
			44										

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INDUSTRIAL HYGIENE DEPARTMENT - PLANT 515
DETAIL REPORT FOR ASBESTOS
********** PLANT WIDE **********
1970 THROUGH 1979

PROCESS: ENERGY SYS COOLING WATER
BLDG NO: 9

CONTAMINANT: ASBESTOS

RECORD NUMBER	DATE	EQPT	JOB TITLE	SAMP TOTL TIME	AIR CONC	CEIL/ STEL	8-HOUR T.W.A. CONC.	THRESHOLD LIMIT VALUE	BOOTS WORN	PROTECT CLOTHING WORN	GLOVES WORN	GOGGLES WORN	RESP WORN

BAGGING WET INSULATION FROM THE 70# STEAM LINES.ALL MATERIAL
WAS WET AND IN PILES ON THE FLOOR.IT WAS SHOVELED INTO PLAS-
TIC BAGS,SEALED,LABELED AND TAKEN FROM THE AREA FOR DISPOSAL.
PROTECTIVE EQUIPMENT WAS WORN,GLOVES,GOGGLES,DUST RESPIRATORS
AND COVERALLS.

2119	01/30/79	C	LABRER	0121	1.2000	F/CC		2.000	NO	YES	YES	YES	YES

44
BAGGING WET INSULATION FROM THE 70# STEAM LINES.ALL MATERIAL
WAS WET AND IN PILES ON THE FLOOR.IT WAS SHOVELED INTO PLAS-
TIC BAGS,SEALED,LABELED AND TAKEN FROM THE AREA FOR DISPOSAL.
PROTECTIVE EQUIPMENT WAS WORN,GLOVES,GOGGLES,DUST RESPIRATORS
AND DISPOSABLE COVERALLS.

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Union Carbide trial exhibit UC-1057: Industrial Hygiene Department, Plant 515: Detail Report for Asbestos Air Sam...
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INDUSTRIAL HYGIENE DEPARTMENT - PLANT 515
DETAIL REPORT FOR ASBESTOS
********** PLANT WIDE **********
1970 THROUGH 1979

PROCESS: ENERGY SYS COOLING WATER
BLDG NO: 52

CONTAMINANT: ASBESTOS

RECORD NUMBER	DATE	EQPT	JOB TITLE	SAMP TOTL TIME	AIR CONC	CEIL/ STEL	8-HOUR T.W.A. CONC.	THRESHOLD LIMIT VALUE	BOOTS WORN	PROTECT CLOTHING WORN	GLOVES WORN	GOGGLES WORN	RESP WORN
2541	03/28/79	PUMPHSE 5		0145	.1300 F/CC			2.000	NO	NO	NO	NO	NO
				44									
				THIS WAS AN AREA SAMPLE TAKEN ON TOP OF CWP 51 IN BLDG 52. CONSTRUCTION WORKERS REMOVED INSULATION FROM A PIPE IN BLDG 52. THE INSULATION WAS WETTED BEFORE AND DURING THE REMOVAL AND THEN PLACED IN PLASTIC BAGS.									
2538	03/28/79	PUMPHSE 5	C LABRER	0160	1.3800 F/CC			2.000	NO	YES	YES	NO	YES
				44									
				CONSTRUCTION LABORER WHO ASSISTED THE INSULATOR IN REMOVING INSULATION FROM A PIPE IN BLDG 52 AND FOR A DISTANCE OF APPROXIMATELY 6 FT OUTSIDE THE BLDG, AND FROM A VALVE A THE INTERSECTION OF THE PIPERACKS SW OF BLDG 52. THE INSULATION WAS WETTED BEFORE AND DURING REMOVAL AND THEN PLACED IN PLASTIC BAGS.									
2539	03/28/79	PUMPHSE 5	C LABRER	0155	1.9000 F/CC			2.000	NO	YES	YES	NO	YES
				44									
				CONSTRUCTION LABORER WHO ASSISTED THE INSULATOR IN REMOVING INSULATION FROM A PIPE IN BLDG 52 AND FOR A DISTANCE OF 6 FT OUTSIDE THE BLDG. ALSO FROM A VALVE ON THE PIPE AT THE INTERSECTION OF THE PIPERACK SW OF BLDG 52. THE INSULATION WAS WETTED DURING AND BEFORE REMOVAL, AND THEN PLACED IN PLASTIC BAGS.									
2540	03/28/79	PUMPHSE 5	C INSULR	0150	.8900 F/CC			2.000	NO	YES	YES	NO	YES

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INDUSTRIAL HYGIENE DEPARTMENT - PLANT 515
DETAIL REPORT FOR ASBESTOS
********** PLANT WIDE **********
1970 THROUGH 1979

PROCESS: ENERGY SYS COOLING WATER
BLDG NO: 52

CONTAMINANT: ASBESTOS

RECORD NUMBER	DATE	EQPT	JOB TITLE	SAMP TOTL TIME	AIR CONC	CEIL/ STEL	8-HOUR T.W.A. CONC.	THRESHOLD LIMIT VALUE	BOOTS WORN	PROTECT CLOTHING WORN	GLOVES WORN	GOGGLES WORN	RESP WORN
44													

A CONSTRUCTION INSULATOR WHO WETTED AND REMOVED INSULATION FROM A PIPE IN BLDG 52, FOR 6 FT OUTSIDE THE WALL AND FROM A VALVE ON THE PIPE AT THE INTERSECTION OF THE PIPERACKS SW OF BLDG 52.

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INDUSTRIAL HYGIENE DEPARTMENT - PLANT 515
DETAIL REPORT FOR ASBESTOS
********** PLANT WIDE **********
1970 THROUGH 1979

PROCESS: ENERGY SYS PIPE RACK DIST
BLDG NO:

CONTAMINANT: ASBESTOS

RECORD NUMBER	DATE	EQPT	JOB TITLE	SAMP TOTL TIME	AIR CONC	CEIL/ STEL	8-HOUR T.W.A. CONC.	THRESHOLD LIMIT VALUE	BOOTS WORN	PROTECT CLOTHING WORN	GLOVES WORN	GOGGLES WORN	RESP WORN
2570	03/30/79	AVE C-4 ST C	INSULR	0112	.3400 F/CC			2.000	NO	YES	YES	NO	YES
		44 REMOVING INSULATION FROM PIPE IN THE PIPERACK CROSSING AVE C INSULATION WAS CAREFULLY REMOVED,WATER SPRAYED AND PUT INTO PLASTIC BAGS FOR DISPOSAL.											
2571	03/30/79	AVE C-4 ST C	INSULR	0112	.5600 F/CC			2.000	NO	YES	YES	NO	YES
		44 REMOVING INSULATION FROM PIPE IN THE PIPERACK CROSSING AVE C INSULATION WAS CAREFULLY REMOVED,WATER SPRAYED AND PUT INTO PLASTIC BAGS FOR DISPOSAL.											
2572	03/30/79	AVE C-4 ST C	LABRER	0133	.3800 F/CC			2.000	NO	YES	YES	NO	YES
		44 BAGGING INSULATION REMOVED FROM PIPES IN THE PIPERACK CROSSING AVE C.CLEANING UP INSULATION FROM UNDER THE PIPERACK.											
2573	03/30/79	AVE C-4 ST C	LABRER	0133	.7600 F/CC			2.000	NO	YES	YES	NO	YES
		44 BAGGING INSULATION REMOVED FROM PIPES IN THE PIPERACK CROSSING AVE.C.CLEANING UP INSULATION FROM UNDER THE PIPERACK.											

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INDUSTRIAL HYGIENE DEPARTMENT - PLANT 515
DETAIL REPORT FOR ASBESTOS
********** PLANT WIDE **********
1970 THROUGH 1979

PROCESS: ENERGY SYS PIPE RACK DIST
BLDG NO: 144

CONTAMINANT: ASBESTOS

RECORD NUMBER	DATE	EQPT	JOB TITLE	SAMP TOTL TIME	AIR CONC	CEIL/ STEL	8-HOUR T.W.A. CONC.	THRESHOLD LIMIT VALUE	BOOTS WORN	PROTECT CLOTHING WORN	GLOVES WORN	GOGGLES WORN	RESP WORN
0882	06/29/77	STEAM LINE C	INSULR	0040	.5000 F/CC		.0400	2.000	NO	YES	YES	NO	YES
	PIPERACK NORTH OF BLDG 144.												
0882	06/29/77	STEAM LINE C	INSULR	0040	.5000 F/CC		.0400	2.000	NO	YES	YES	NO	YES
	PIPERACK NORTH OF BLDG 144.												
0882	06/29/77	STEAM LINE C	INSULR	0040	2.0000 F/CC		.1600	2.000	NO	YES	YES	NO	YES
	PIPERACK NORTH OF BLDG 144.												

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INDUSTRIAL HYGIENE DEPARTMENT - PLANT 515
DETAIL REPORT FOR ASBESTOS
********** PLANT WIDE **********
1970 THROUGH 1979

PROCESS: ETHANOL CONVERSION
BLDG NO: CONV

CONTAMINANT: ASBESTOS

RECORD NUMBER	DATE	EQPT	JOB TITLE	SAMP TOTL TIME	AIR CONC	CEIL/ STEL	8-HOUR T.W.A. CONC.	THRESHOLD LIMIT VALUE	BOOTS WORN	PROTECT CLOTHING WORN	GLOVES WORN	GOGGLES WORN	RESP WORN
2403	03/14/79	NO OF B-94	C INSULR	0068	.1700 F/CC		.0200	2.000	NO	YES	YES	YES	YES

44
TELLEPSEN INSULATER REMOVING INSULATION FROM PIPES ON THE GR-
OUND NORTH OF B-94,NEAR THE #5 PROCESS WATER TANK.AS THE IN-
SULATION WAS REMOVED IT WAS KEPT WET AND PUT IN PLASTIC BAGS
FOR DISPOSAL.

RECORD NUMBER	DATE	EQPT	JOB TITLE	SAMP TOTL TIME	AIR CONC	CEIL/ STEL	8-HOUR T.W.A. CONC.	THRESHOLD LIMIT VALUE	BOOTS WORN	PROTECT CLOTHING WORN	GLOVES WORN	GOGGLES WORN	RESP WORN
2404	03/14/79	NO OF B-94	C INSULR	0068	.1300 F/CC		.0200	2.000	NO	YES	YES	YES	YES

44
TELLEPSEN INSULATOR REMOVING INSULATION FROM PIPES ON THE GR-
OUND NORTH OF B-94,NEAR THE #5 PROCESS WATER TANK.AS THE IN-
SULATION WAS REMOVED IT WAS KEPT WET AND PUT IN PLASTIC BAGS
FOR DISPOSAL.

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INDUSTRIAL HYGIENE DEPARTMENT - PLANT 515
DETAIL REPORT FOR ASBESTOS
********** PLANT WIDE **********
1970 THROUGH 1979

PROCESS: ETHY OX DERIV GLYCOL RFNG
BLDG NO: 220

CONTAMINANT: ASBESTOS

RECORD NUMBER	DATE	EQPT	JOB TITLE	SAMP TOTL TIME	AIR CONC	CEIL/ STEL	8-HOUR T.W.A. CONC.	THRESHOLD LIMIT VALUE	BOOTS WORN	PROTECT CLOTHING WORN	GLOVES WORN	GOGGLES WORN	RESP WORN
2136	02/01/79	PS STILL	C INSULR	0325	.4000 F/CC		.2700	2.000	NO	YES	YES	YES	YES

44
REMOVING INSULATION FROM THE 70# STEAM LINES ON THE PARAFFIN STRIPPING STILL ON THE SECOND LEVEL OF THE STRUCTURE-BLDG.220 THE INSULATION WAS CAREFULLY REMOVED AND PUT IN PLASTIC BAGS AS IT WAS TAKEN FROM THE PIPES.THE INSULATION WAS KEPT WET AS IT WAS REMOVED.THE AREA WAS ROPED OFF AND POSTED WITH CAUTION SIGNS FOR ASBESTOS.PERSONNEL WERE WEARING GLOVES,GOGGLES,DUST RESPIRATORS AND COVERALLS.

RECORD NUMBER	DATE	EQPT	JOB TITLE	SAMP TOTL TIME	AIR CONC	CEIL/ STEL	8-HOUR T.W.A. CONC.	THRESHOLD LIMIT VALUE	BOOTS WORN	PROTECT CLOTHING WORN	GLOVES WORN	GOGGLES WORN	RESP WORN
2137	02/01/79	PS STILL	C INSULR	0325	.1000 F/CC		.0700	2.000	NO	YES	YES	YES	YES

44
REMOVING INSULATION FROM THE 70# STEAM LINES ON THE PARAFFIN STRIPPING STILL ON THE SECOND LEVEL OF THE STRUCTURE-BLDG.220 THE INSULATION WAS CAREFULLY REMOVED AND PUT IN PLASTIC BAGS AS IT WAS TAKEN FROM THE PIPES.THE INSULATION WAS KEPT WET AS IT WAS REMOVED.THE AREA WAS ROPED OFF AND POSTED WITH CAUTION SIGNS FOR ASBESTOS.PERSONNEL WERE WEARING GLOVES,GOGGLES,DUST RESPIRATORS AND COVERALLS.

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INDUSTRIAL HYGIENE DEPARTMENT - PLANT 515
DETAIL REPORT FOR ASBESTOS
********** PLANT WIDE **********
1970 THROUGH 1979

PROCESS: ETHYLENEAMINES
BLDG NO: 51

CONTAMINANT: ASBESTOS

RECORD NUMBER	DATE	EQPT	JOB TITLE	SAMP TOTL TIME	AIR CONC	CEIL/ STEL	8-HOUR T.W.A. CONC.	THRESHOLD LIMIT VALUE	BOOTS WORN	PROTECT CLOTHING WORN	GLOVES WORN	GOGGLES WORN	RESP WORN
0841	06/19/77	NO 1 FLCHR		0153	.0100 F/CC			2.000	NO	NO	NO	NO	NO
0839	06/19/77	WATER COL	C INSULR	0169	.1300 F/CC		.1300	2.000	NO	YES	NO	NO	YES
0839	06/19/77	WATER COL	C INSULR	0169	.0600 F/CC		.0600	2.000	NO	YES	NO	NO	YES
0839	06/19/77	WATER COL	C INSULR	0169	.1100 F/CC		.1100	2.000	NO	YES	NO	NO	YES
0839	06/19/77	WATER COL	C LABRER	0171	.0700 F/CC		.0700	2.000	NO	YES	NO	NO	YES
0840	06/19/77	NO SIDE	DISTL OP	0160	.0000 F/CC		.0000	2.000	NO	NO	NO	NO	NO
3338	06/17/79	BATCH STIL	C INSULR	0295	1.6600 F/CC		1.0200	2.000	NO	YES	YES	YES	YES

THE INSULATORS WERE REMOVING INSULATION FROM THE TOP PORTION OF THE BATCH STILL. PROTECTIVE CLOTHING WAS WORN AND THE IN-

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INDUSTRIAL HYGIENE DEPARTMENT - PLANT 515
DETAIL REPORT FOR ASBESTOS
********** PLANT WIDE **********
1970 THROUGH 1979

PROCESS: ETHYLENEAMINES
BLDG NO: 51

CONTAMINANT: ASBESTOS

RECORD NUMBER	DATE	EQPT	JOB TITLE	SAMP TOTL TIME		AIR CONC	CEIL/ STEL	8-HOUR T.W.A. CONC.	THRESHOLD LIMIT VALUE	BOOTS WORN	PROTECT CLOTHING WORN	GLOVES WORN	GOGGLES WORN	RESP WORN
			SULATION WAS WETTED BEFORE REMOVAL. TWELVE INSULATORS WERE WORKING ON THE JOB.											
3339	06/17/79	BATCH STIL C INSULR	0295			3.1400 F/CC		1.9300	2.000	NO	YES	YES	YES	YES
			THE INSULATOR WAS REMOVING INSULATION FROM THE BATCH STILL. PROTECTIVE CLOTHING WAS WORN AND THE INSULATION WAS WETTED. 12 INSULATORS WORKED ON THE JOB.											
3340	06/17/79	BATCH STIL C INSULR	0295			1.2100 F/CC		.7400	2.000	NO	YES	YES	YES	YES
			THE INSULATOR WAS REMOVING INSULATION FROM THE TOP PART OF THE BATCH STILL. PROTECTIVE CLOTHING WAS WORN AND THE INSULATION WAS WETTED. 12 INSULATORS WORKED ON THE JOB.											
3341	06/17/79	BATCH STIL C INSULR	0295			.1100 F/CC		.0700	2.000	NO	YES	YES	YES	YES
			THE INSULATOR WAS REMOVING INSULATION FROM THE TOP SECTION OF THE BATCH STILL. PROTECTIVE CLOTHING WAS WORN AND THE INSULATION WAS WETTED. 12 INSULATORS WORKED ON THE JOB.											
3778	09/12/79	#2 HPA	DISTL OP	0431	<	.0100 F/CC		.0100	2.000	NO	NO	NO	NO	NO
			BRAKING THE FLETCHER CENTRIFUGE ON THE HEAVY POLY AMINES #2 SYSTEM.THIS BRAKING JOB WAS PERFORMED 4 TIMES DURING THE DAY											

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INDUSTRIAL HYGIENE DEPARTMENT - PLANT 515
DETAIL REPORT FOR ASBESTOS
********** PLANT WIDE **********
1970 THROUGH 1979

PROCESS: FABRICATION SHOP
BLDG NO: 215

CONTAMINANT: ASBESTOS

RECORD NUMBER	DATE	EQPT	JOB TITLE	SAMP TOTL TIME	AIR CONC	CEIL/ STEL	8-HOUR T.W.A. CONC.	THRESHOLD LIMIT VALUE	BOOTS WORN	PROTECT CLOTHING WORN	GLOVES WORN	GOGGLES WORN	RESP WORN
0026	06/20/73		INSULATR	0010	.0430 F/CC				NO	NO	NO	NO	YES

REMOVING KAYLO INSULATION FROM A 2' SECTION OF A HEAT EXCHANGER. THE INSULATION WAS CAREFULLY REMOVED AND PLACED IN PLASTIC BAGS TO BE REPLACED AFTER REPAIR WORK IS COMPLETED (KAYLO WAS NOT WETTED DOWN)

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INDUSTRIAL HYGIENE DEPARTMENT - PLANT 515
DETAIL REPORT FOR ASBESTOS
********** PLANT WIDE **********
1970 THROUGH 1979

PROCESS: HP OXO REACTION
BLDG NO: 79

CONTAMINANT: ASBESTOS

RECORD NUMBER	DATE	EQPT	JOB TITLE	SAMP TOTL TIME	AIR CONC	CEIL/ STEL	8-HOUR T.W.A. CONC.	THRESHOLD LIMIT VALUE	BOOTS WORN	PROTECT CLOTHING WORN	GLOVES WORN	GOGGLES WORN	RESP WORN
2360	03/08/79	ALARM 625		0315	.0300 F/CC			2.000	NO	NO	NO	NO	NO

10
SAMPLE WAS TO EVALUATE THE EFFICIENCY OF WETTING INSULATION PRIOR TO REMOVAL TO ALLEVIATE THE POSSIBILITY OF AIRBORNE ASBESTOS.

2357	03/08/79	S PIPE RCK C	INSULR	0315	.0200 F/CC		.0100	2.000	NO	YES	YES	NO	YES

10
INSULATOR STRIPPED APPROXIMATLY 100 FEET OF ASBESTOS INSULATION. MATERIAL WAS SOAKED WITH WATER SPRAY PRIOR TO ANY WORK.

2358	03/08/79	S PIPE RCK C	INSULR	0315	.0500 F/CC		.0300	2.000	NO	YES	YES	NO	YES

10
LABORER WAS ASSIGNED THE TASK OF REMOVING AND BAGGING THE ASBESTOS WHICH WAS REMOVED

2359	03/08/79	S PIPE RCK C	INSULR	0315	.0300 F/CC		.0200	2.000	NO	YES	YES	NO	YES

10
LABORER WAS ASSIGNED TASK OF REMOVING INSULATION WHICH HAD FELL TO THE GROUND. ALL INSULATION WAS WET PRIOR TO REMOVAL AND DURING BAGGING.

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INDUSTRIAL HYGIENE DEPARTMENT - PLANT 515
DETAIL REPORT FOR ASBESTOS
********** PLANT WIDE **********
1970 THROUGH 1979

PROCESS: INSULATION SHOP
BLDG NO: 216

CONTAMINANT: ASBESTOS

RECORD NUMBER	DATE	EQPT	JOB TITLE	SAMP TOTL TIME		AIR CONC	CEIL/ STEL	8-HOUR T.W.A. CONC.	THRESHOLD LIMIT VALUE	BOOTS WORN	PROTECT CLOTHING WORN	GLOVES WORN	GOGGLES WORN	RESP WORN
0010	09/28/71		INSULATR	0015		8.0000 F/CC				NO	NO	NO	NO	YES
			SAWING KAYLO - TWO PORTABLE FLOOR FANS-VACUUM HOOD OVER SAW BLADE AND VACUUM UNDER SAW TABLE-BOTH WORE DUST RESPIRATORS. WERN PUSHING MATERIAL INTO SAW-MOST DUST WHICH ESCAPES HOOD GOES BEHIND THE SAW BLADE.												
0010	09/28/71		INSULATR	0014	<	1.0000 F/CC				NO	NO	NO	NO	YES
			SAWING KAYLO - TWO PORTABLE FLOOR FANS-VACUUM HOOD OVER SAW BLADE AND VACUUM UNDER SAW TABLE-BOTH WORE DUST RESPIRATORS. STANDING ON OPPOSITE SIDE OF SAW-RECEIVING STRIPS AND STACK-ING THEM IN A BOX.												
0012	10/04/71		INSULATR	0010	<	1.0000 F/CC				NO	NO	NO	NO	NO
			SAWING KAYLO-20 PIPE INSULATION-SOFT BREEZE BLOWING ANY DUST AWAY FROM INSULATOR.											
0012	10/04/71		INSULATR	0019	<	1.0000 F/CC				NO	NO	NO	NO	NO
			SAWING JOHNS-MANVILLE THERMOBESTOS PIPE INSULATION 12"X1 1/2" ON BAND SAW.											
0012	10/04/71		INSULATR	0012	<	1.0000 F/CC				NO	NO	NO	NO	NO
			SAWING JOHNS-MANVILLE THERMOBESTOS PIPE INSULATION 12"X1 1/2" ON BAND SAW.											

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INDUSTRIAL HYGIENE DEPARTMENT - PLANT 515
DETAIL REPORT FOR ASBESTOS
********** PLANT WIDE **********
1970 THROUGH 1979

PROCESS: INSULATION SHOP
BLDG NO: 216

CONTAMINANT: ASBESTOS

RECORD NUMBER	DATE	EQPT	JOB TITLE	SAMP TOTL TIME	AIR CONC	CEIL/ STEL	8-HOUR T.W.A. CONC.	THRESHOLD LIMIT VALUE	BOOTS WORN	PROTECT CLOTHING WORN	GLOVES WORN	GOGGLES WORN	RESP WORN
0013	10/06/71		INSULATR	0012	7.1500 F/CC				NO	NO	NO	NO	NO
	CUTTING KAYLO-10 20"X1 1/2" ON THE BAND SAW. SAW BLADE OPENING SLOT WAS COVERED WITH MASKING TAPE FOR SET-UP PURPOSES DURING PART OF SAMPLING TIME CAUSING A PARTIAL SHUTOFF TO THE VACUUM BELOW THE SAW BLADE.												
0013	10/06/71		INSULATR	0016	1.1500 F/CC				NO	NO	NO	NO	NO
	CUTTING KAYLO-10 USING BAND SAW.												
0013	10/06/71		INSULATR	0015	1.4000 F/CC				NO	NO	NO	NO	NO
	CUTTING JOHNS-MANVILLE PIPE INSULATION AND KAYLO-10 BLOCKS 16", 18", & 24" USING BAND SAW.												
0013	10/06/71		INSULATR	0016	.5000 F/CC				NO	NO	NO	NO	NO
	SAWING JOHNS-MANVILLE PIPE INSULATION USING BAND SAW.												
0014	10/07/71		INSULATR	0015	2.0500 F/CC				NO	NO	NO	NO	NO
	SAWING KAYLO-10 BLOCKS ON BAND SAW-4 MIN. SAWING KAYLO-10 BLOCKS ON TABLE SAW-11 MIN.												
0014	10/07/71		INSULATR	0008	1.9500 F/CC				NO	NO	NO	NO	NO

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INDUSTRIAL HYGIENE DEPARTMENT - PLANT 515
DETAIL REPORT FOR ASBESTOS
********** PLANT WIDE **********
1970 THROUGH 1979

PROCESS: INSULATION SHOP
BLDG NO: 216

CONTAMINANT: ASBESTOS

RECORD NUMBER	DATE	EQPT	JOB TITLE	SAMP TOTL TIME	AIR CONC	CEIL/ STEL	8-HOUR T.W.A. CONC.	THRESHOLD LIMIT VALUE	BOOTS WORN	PROTECT CLOTHING WORN	GLOVES WORN	GOGGLES WORN	RESP WORN
					SAWING KAYLO-10 BLOCKS ON TABLE SAW.								
0001	01/24/72		LABORER	0012	3.0000 F/CC				NO	NO	NO	NO	NO
					CLEANING THE CYCLONE SEPARATOR ON THE VACUUM SYSTEM.(SMALL COLLECTOR) COVER PLATE REMOVED - ASBESTOS IS JARRED LOOSE WITH A STICK AND THE COLLECTED ASBESTOS DUST FALLS INTO A CARDBOARD BOX. IT THEN IS DUMPED INTO A BARREL WITH A COVER FOR REMOVAL FROM THE AREA. COVER PLATE THEN PUT BACK IN PLACE								
0002	01/24/72		LABORER	0021	3.6000 F/CC				NO	NO	NO	NO	YES
					REMOVING ASBESTOS FROM THE BAG HOUSE. A POLYETHYLENE TUBE IS ATTACHED TO THE BOTTOM OF THE HOPPER AND THE DUST IS JARRED LOOSE AND TRAVELS THROUGH THE POLY TUBE INTO A DUMPSTER BOX FOR REMOVAL FROM THE AREA. HE WEARS A RESPIRATOR DURING THIS OPERATION.								

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INDUSTRIAL HYGIENE DEPARTMENT - PLANT 515
DETAIL REPORT FOR ASBESTOS
********** PLANT WIDE **********
1970 THROUGH 1979

PROCESS: ISOPROPANOL REF & ESTERS
BLDG NO: 16

CONTAMINANT: ASBESTOS

RECORD NUMBER	DATE	EQPT	JOB TITLE	SAMP TOTL TIME	AIR CONC	CEIL/ STEL	8-HOUR T.W.A. CONC.	THRESHOLD LIMIT VALUE	BOOTS WORN	PROTECT CLOTHING WORN	GLOVES WORN	GOGGLES WORN	RESP WORN
3052	05/18/79	NE ROOM		0150	.0700 F/CC				NO	NO	NO	NO	NO

THE DEJEAN CONSTRUCTION COMPANY WAS REMOVING INSULATION, SOME OF WHICH CONTAINED ASBESTOS, FROM BEAMS AND PIPES. THE MONITOR WAS PLACED IN THE CENTER OF THE NORTHEAST ROOM.

3053	05/21/79	NE ROOM		0440	.0200 F/CC				NO	NO	NO	NO	NO

DEJEAN CONSTRUCTION COMPANY WAS REMOVING INSULATION FROM BEAM AND PIPES. ALL THE INSULATION DOES NOT CONTAIN ASBESTOS. THE MONITOR WAS PLACED ON A SCAFFOLD AT BREATHING ZONE HEIGHT IN THE CENTER OF THE NORTHEAST ROOM.

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INDUSTRIAL HYGIENE DEPARTMENT - PLANT 515
DETAIL REPORT FOR ASBESTOS
********** PLANT WIDE **********
1970 THROUGH 1979

PROCESS: ISOPROPANOL REF & ESTERS
BLDG NO: 17

CONTAMINANT: ASBESTOS

RECORD NUMBER	DATE	EQPT	JOB TITLE	SAMP TOTL TIME	AIR CONC	CEIL/ STEL	8-HOUR T.W.A. CONC.	THRESHOLD LIMIT VALUE	BOOTS WORN	PROTECT CLOTHING WORN	GLOVES WORN	GOGGLES WORN	RESP WORN
0021	12/08/72			0057	.3000 F/CC				NO	NO	NO	NO	NO
	REMOVING KAYLO-20 INSULATION FROM A CONVERTER ON NORTH SIDE OF BLDG. BLOCKS SURROUNDING FLANGE ARE SAVED-NEXT TO KETTLE TORN OUT AND THROWN AWAY. INSULATION WAS NOT WETTED DOWN-DUST RESPIRATORS WERE WORN AT ALL TIMES. AREA SAMPLE WAS TAKEN DOWNWIND AT A DISTANCE OF 6 FEET.												
0022	12/08/72			0015	.7000 F/CC				NO	NO	NO	NO	NO
	AREA SAMPLES WERE TAKEN DOWNWIND AT A DISTANCE OF 6 FEET.												
0022	12/08/72			0036	1.6000 F/CC				NO	NO	NO	NO	NO
	AREA SAMPLES WERE TAKEN DOWNWIND AT A DISTANCE OF 6 FEET.												
0021	12/08/72		INSULATR	0015	1.7000 F/CC				NO	NO	NO	NO	YES
	REMOVING KAYLO-20 INSULATION FROM A CONVERTER ON NORTH SIDE OF BLDG. BLOCKS SURROUNDING FLANGE ARE SAVED-NEXT TO KETTLE TORN OUT AND THROWN AWAY. INSULATION WAS NOT WETTED DOWN-DUST RESPIRATORS WERE WORN AT ALL TIMES.												
0021	12/08/72		INSULATR	0017	1.1000 F/CC				NO	NO	NO	NO	YES
	REMOVING KAYLO-20 INSULATION FROM A CONVERTER ON NORTH SIDE OF BLDG. BLOCKS SURROUNDING FLANGE ARE SAVED-NEXT TO KETTLE												

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DETAIL REPORT FOR ASBESTOS
********** PLANT WIDE **********
1970 THROUGH 1979

PROCESS: ISOPROPANOL REF & ESTERS
BLDG NO: 17

CONTAMINANT: ASBESTOS

RECORD NUMBER	DATE	EQPT	JOB TITLE	SAMP TOTL TIME	AIR CONC	CEIL/ STEL	8-HOUR T.W.A. CONC.	THRESHOLD LIMIT VALUE	BOOTS WORN	PROTECT CLOTHING WORN	GLOVES WORN	GOGGLES WORN	RESP WORN

TORN OUT AND THROWN AWAY. INSULATION WAS NOT WETTED DOWN-DUST RESPIRATORS WERE WORN AT ALL TIMES.

0021	12/08/72		INSULATR	0025	1.0000 F/CC				NO	NO	NO	NO	YES

REMOVING KAYLO-20 INSULATION FROM A CONVERTER ON NORTH SIDE OF BLDG. BLOCKS SURROUNDING FLANGE ARE SAVED-NEXT TO KETTLE TORN OUT AND THROWN AWAY. INSULATION WAS NOT WETTED DOWN-DUST RESPIRATORS WERE WORN AT ALL TIMES.

0021	12/08/72		INSULATR	0015	2.3000 F/CC				NO	NO	NO	NO	YES

REMOVING KAYLO-20 INSULATION FROM A CONVERTER ON NORTH SIDE OF BLDG. BLOCKS SURROUNDING FLANGE ARE SAVED-NEXT TO KETTLE TORN OUT AND THROWN AWAY. INSULATION WAS NOT WETTED DOWN-DUST RESPIRATORS WERE WORN AT ALL TIMES.

0021	12/08/72		INSULATR	0017	3.0000 F/CC				NO	NO	NO	NO	YES

REMOVING KAYLO-20 INSULATION FROM A CONVERTER ON NORTH SIDE OF BLDG. BLOCKS SURROUNDING FLANGE ARE SAVED-NEXT TO KETTLE TORN OUT AND THROWN AWAY. INSULATION WAS NOT WETTED DOWN-DUST RESPIRATORS WERE WORN AT ALL TIMES.

0021	12/08/72		INSULATR	0025	1.7000 F/CC				NO	NO	NO	NO	YES

REMOVING KAYLO-20 INSULATION FROM A CONVERTER ON NORTH SIDE OF BLDG. BLOCKS SURROUNDING FLANGE ARE SAVED-NEXT TO KETTLE TORN OUT AND THROWN AWAY. INSULATION WAS NOT WETTED DOWN-DUST

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DETAIL REPORT FOR ASBESTOS
********** PLANT WIDE **********
1970 THROUGH 1979

PROCESS: ISOPROPANOL REF & ESTERS
BLDG NO: 17

CONTAMINANT: ASBESTOS

RECORD NUMBER	DATE	EQPT	JOB TITLE	SAMP TOTL TIME	AIR CONC	CEIL/ STEL	8-HOUR T.W.A. CONC.	THRESHOLD LIMIT VALUE	BOOTS WORN	PROTECT CLOTHING WORN	GLOVES WORN	GOGGLES WORN	RESP WORN

RESPIRATORS WERE WORN AT ALL TIMES.

0022	12/08/72		INSULATR 0015		1.4000 F/CC		NO	NO	NO	NO	YES

REMOVING KAYLO-20 INSULATION FROM A CONVERTER ON NORTH SIDE OF BLDG. BLOCKS SURROUNDING FLANGE ARE SAVED-NEXT TO KETTLE, TORN OUT AND THROWNAWAY. INSULATION WAS NOT WETTED DOWN-DUST RESPIRATORS WERE WORN AT ALL TIMES.

0022	12/08/72		INSULATR 0028		4.8000 F/CC		NO	NO	NO	NO	YES

REMOVING KAYLO-20 INSULATION FROM A CONVERTER ON NORTH SIDE OF BLDG. BLOCKS SURROUNDING FLANGE ARE SAVED-NEXT TO KETTLE, TORN OUT AND THROWNAWAY. INSULATION WAS NOT WETTED DOWN-DUST RESPIRATORS WERE WORN AT ALL TIMES.

0022	12/08/72		INSULATR 0015		1.0000 F/CC		NO	NO	NO	NO	YES

REMOVING KAYLO-20 INSULATION FROM A CONVERTER ON NORTH SIDE OF BLDG. BLOCKS SURROUNDING FLANGE ARE SAVED-NEXT TO KETTLE, TORN OUT AND THROWNAWAY. INSULATION WAS NOT WETTED DOWN-DUST RESPIRATORS WERE WORN AT ALL TIMES.

0022	12/08/72		INSULATR 0027		3.1000 F/CC		NO	NO	NO	NO	YES

REMOVING KAYLO-20 INSULATION FROM A CONVERTER ON NORTH SIDE OF BLDG. BLOCKS SURROUNDING FLANGE ARE SAVED-NEXT TO KETTLE, TORN OUT AND THROWNAWAY. INSULATION WAS NOT WETTED DOWN-DUST RESPIRATORS WERE WORN AT ALL TIMES.

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DETAIL REPORT FOR ASBESTOS
********** PLANT WIDE **********
1970 THROUGH 1979

PROCESS: LP OXO REFINING
BLDG NO: 45

CONTAMINANT: ASBESTOS

RECORD NUMBER	DATE	EQPT	JOB TITLE	SAMP TOTL TIME	AIR CONC	CEIL/ STEL	8-HOUR T.W.A. CONC.	THRESHOLD LIMIT VALUE	BOOTS WORN	PROTECT CLOTHING WORN	GLOVES WORN	GOGGLES WORN	RESP WORN
0011	10/04/71		INSULATR 0015		3.2000 F/CC				NO	NO	NO	NO	NO

TEARING OUT OLD INSULATION ON 3 MANHEADS AND 1 VALVE ON #1 HYDROGENATOR. MANHEAD COVERS WERE SLICED OFF WITH A KNIFE AND REMOVED INTACT.(NOT MUCH VISIBLE DUST) VALVE INSULATION WAS REMOVED WITH A KNIFE AND WAS DUSTIER THAN THE MANHEADS. 12 MINUTES SPENT ON MANHEADS-3 MINUTES ON VALVE.

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INDUSTRIAL HYGIENE DEPARTMENT - PLANT 515
DETAIL REPORT FOR ASBESTOS
********** PLANT WIDE **********
1970 THROUGH 1979

PROCESS: MACHINE SHOP
BLDG NO: 5

CONTAMINANT: ASBESTOS

RECORD NUMBER	DATE	EQPT	JOB TITLE	SAMP TOTL TIME	AIR CONC	CEIL/ STEL	8-HOUR T.W.A. CONC.	THRESHOLD LIMIT VALUE	BOOTS WORN	PROTECT CLOTHING WORN	GLOVES WORN	GOGGLES WORN	RESP WORN
1771	11/14/77		MACHINST	0090	.0130 F/CC		.0020	2.000	NO	NO	YES	NO	NO

TLV MKNG BABBIT BRNGS
USING ASBESTOS SHEET TO INSULATE BRNG FROM BENCH SURFACE
EXPOSURE
WAS CALCULATED AS FOLLOWS: ((1.5X.013)+(6.5X0))/8

UCTC 11871

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INDUSTRIAL HYGIENE DEPARTMENT - PLANT 515
DETAIL REPORT FOR ASBESTOS
********** PLANT WIDE **********
1970 THROUGH 1979

PROCESS: N-PARAFFINS
BLDG NO:

CONTAMINANT: ASBESTOS

RECORD NUMBER	DATE	EQPT	JOB TITLE	SAMP TOTL TIME		AIR CONC	CEIL/ STEL	8-HOUR T.W.A. CONC.	THRESHOLD LIMIT VALUE	BOOTS WORN	PROTECT CLOTHING WORN	GLOVES WORN	GOGGLES WORN	RESP WORN
1743	11/07/77	W FENCE LN		0421	<	2.0000 F/CC			2.000	NO	NO	NO	NO	NO
		DURING DEMOLITION												
1743	11/07/77	W FENCE LN		0421	<	2.0000 F/CC			2.000	NO	NO	NO	NO	NO
		DURING DEMOLITION												

UCTC 11872

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DETAIL REPORT FOR ASBESTOS
********** PLANT WIDE **********
1970 THROUGH 1979

PROCESS: N-PARAFFINS
BLDG NO: 211

CONTAMINANT: ASBESTOS

RECORD NUMBER	DATE	EQPT	JOB TITLE	SAMP TOTL TIME		AIR CONC	CEIL/ STEL	8-HOUR T.W.A. CONC.	THRESHOLD LIMIT VALUE	BOOTS WORN	PROTECT CLOTHING WORN	GLOVES WORN	GOGGLES WORN	RESP WORN
1742	11/04/77	E FENCE LN		0130	<	2.0000 F/CC			2.000	NO	NO	NO	NO	NO
			DURING DEMOLITION											
1742	11/04/77	E FENCE LN		0110	<	2.0000 F/CC			2.000	NO	NO	NO	NO	NO
			DURING DEMOLITION											

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INDUSTRIAL HYGIENE DEPARTMENT - PLANT 515
DETAIL REPORT FOR ASBESTOS
********** PLANT WIDE **********
1970 THROUGH 1979

PROCESS: OLEFINS 3 AREA
BLDG NO:

CONTAMINANT: ASBESTOS

RECORD NUMBER	DATE	EQPT	JOB TITLE	SAMP TOTL TIME	AIR CONC	CEIL/ STEL	8-HOUR T.W.A. CONC.	THRESHOLD LIMIT VALUE	BOOTS WORN	PROTECT CLOTHING WORN	GLOVES WORN	GOGGLES WORN	RESP WORN
3937	10/21/79	COMP AREA	C INSULR 0195		.3000 F/CC		.1200	2.000	NO	YES	YES	YES	YES

REMOVING INSULATION FROM THE 501 WASTE HEAT BOILER.THE INSULATION IS KEPT WET AS IT IS REMOVED,PUT IN PLASTIC BAGS,SEALED LABELED AND REMOVED FROM THE AREA.

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INDUSTRIAL HYGIENE DEPARTMENT - PLANT 515
DETAIL REPORT FOR ASBESTOS
********** PLANT WIDE **********
1970 THROUGH 1979

PROCESS: OLEFINS 3 COMPRESSOR AREA
BLDG NO: COMP

CONTAMINANT: ASBESTOS

RECORD NUMBER	DATE	EQPT	JOB TITLE	SAMP TOTL TIME	AIR CONC	CEIL/ STEL	8-HOUR T.W.A. CONC.	THRESHOLD LIMIT VALUE	BOOTS WORN	PROTECT CLOTHING WORN	GLOVES WORN	GOGGLES WORN	RESP WORN
2488	03/26/79	E544DEAER		0060	.0300 F/CC			2.000	NO	NO	NO	NO	NO
	BOILER DEAERATER SOUTH OF CRUDE DRIP TANK 43.AREA SAMPLE LOCATED EAST TANK 43 ON BENZENE HAZARD SIGN. 44 CONTRACT PERSONEL REMOVED INSULATION FROM PIPES ATTACHED TO THE BOILER DEAERATER.												
2489	03/26/79	E544DEAER	C INSULR	0060	.0500 F/CC			2.000	NO	YES	YES	NO	YES
	BOILER DEAERATER SOUTH OF CRUDE DRIP TANK 43 44 CONTRACT INSULATOR REMOVED INSULATION FROM PIPES ATTACHED TO THE DEAEROTOR SO THE DEAERATER COULD BE DISCONNECTED AND REMOVED. THE INSUALTION WAS WETTED BEFORE AND DURING REMOVAL AND THEN PLACED IN PLASTIC BAGS.												
2490	03/26/79	E544DEAER	C LABRER	0040	.0400 F/CC			2.000	NO	YES	YES	NO	YES
	BOILER DEAERATER SOUTH OF CRUDE DRIP TANK 43 44 CONTRACT LABOR ASSISTED IN THE REMOVAL OF INSULATION FROM PIPES ATTACHED TO THE DEAERATER. HE WETTED THE INSULATION BEFORE AND DURING REMOVAL, THEN PLACED THE INSULATION IN PLASTIC BAGS.												
3932	10/21/79	COMP AREA	C INSULR	0195	1.3000 F/CC		.5300	2.000	NO	YES	YES	YES	YES

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DETAIL REPORT FOR ASBESTOS
********** PLANT WIDE **********
1970 THROUGH 1979

PROCESS: OLEFINS 3 COMPRESSOR AREA
BLDG NO: COMP

CONTAMINANT: ASBESTOS

RECORD NUMBER	DATE	EQPT	JOB TITLE	SAMP TOTL TIME	AIR CONC	CEIL/ STEL	8-HOUR T.W.A. CONC.	THRESHOLD LIMIT VALUE	BOOTS WORN	PROTECT CLOTHING WORN	GLOVES WORN	GOGGLES WORN	RESP WORN
					REMOVING INSULATION FROM THE 501 WASTE HEAT BOILER.THE INSULATION WAS KEPT WET WITH WATER SPAY AS IT WAS REMOVED,THEN IT WAS PUT IN PLASTIC BAGS FOR DISPOSAL.								
3933	10/21/79	COMP AREA	C INSULR 0195		.9000 F/CC		.3700	2.000	NO	YES	YES	YES	YES
					REMOVING INSULATION FROM THE 501 WASTE HEAT BOILER.THE INSULATION WAS KEPT WET WITH WATER SPRAY AS IT WAS REMOVED,THEN IT WAS PUT IN PLASTIC BAGS FOR DISPOSAL.								
3934	10/21/79	COMP AREA	C LABRER 0220		.1000 F/CC		.0500	2.000	YES	YES	YES	YES	YES
					AS THE INSULATION IS REMOVED THE LABORERS PUT IT IN PLASTIC BAGS,TIE THEM,ATTACH LABELS AND LOAD THEM ON A FLATBED TRUCK FOR DISPOSAL.THE GENERAL AREA IS CLEANED UP AND WASHED DOWN WITH WATER. 501 WHB								
3935	10/21/79	COMP AREA	C LABRER 0224		.1000 F/CC		.0500	2.000	YES	YES	YES	YES	YES
					PUT INSULATION IN PLASTIC BAGS AS IT WAS REMOVED BY THE INSULATORS,TIED THEM,ATTACHED LABELS AND LOADED THE BAGS ONTO A FLATBED TRUCK FOR DISPOSAL.WASHED THE WHOLE AREA DOWN WITH A WATER HOSE. 501 WHB								
3936	10/21/79	COMP AREA	C INSULR 0195		.6000 F/CC		.2400	2.000	NO	YES	YES	YES	YES
					REMOVING INSULATION FROM THE 501 WASTE HEAT BOILER.AS THE INSULATION IS REMOVED IT IS KEPT WET WITH A WATER SPRAY,PUT IN PLASTIC BAGS,WHICH ARE THEN SEALED,LABELED AND REMOVED FOR								

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DETAIL REPORT FOR ASBESTOS
********** PLANT WIDE **********
1970 THROUGH 1979

PROCESS: OLEFINS 3 COMPRESSOR AREA
BLDG NO: COMP

CONTAMINANT: ASBESTOS

RECORD NUMBER	DATE	EQPT	JOB TITLE	SAMP TOTL TIME	AIR CONC	CEIL/ STEL	8-HOUR T.W.A. CONC.	THRESHOLD LIMIT VALUE	BOOTS WORN	PROTECT CLOTHING WORN	GLOVES WORN	GOGGLES WORN	RESP WORN

DISPOSAL.

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DETAIL REPORT FOR ASBESTOS
********** PLANT WIDE **********
1970 THROUGH 1979

PROCESS: OLEFINS 3 FURNACE AREA
BLDG NO: 223

CONTAMINANT: ASBESTOS

RECORD NUMBER	DATE	EQPT	JOB TITLE	SAMP TOTL TIME	AIR CONC	CEIL/ STEL	8-HOUR T.W.A. CONC.	THRESHOLD LIMIT VALUE	BOOTS WORN	PROTECT CLOTHING WORN	GLOVES WORN	GOGGLES WORN	RESP WORN
2287	02/26/79	FURNACE 3	C INSULR	0090	.5200 F/CC		.1000	2.000	NO	YES	YES	NO	YES

44M
REMOVAL AND BAGGING OF APPROXIMATLY 75 FEET OF SIX INCH INSULATION. INSULATION WAS WETTED AND BAGGED IMMEDIATELY. NO ADDITIONAL ASBESTOS WORK WAS DONE DURING THE DAY. AN 8-HOUR TWA PERSONNEL VALUE CAN BE USED.

RECORD NUMBER	DATE	EQPT	JOB TITLE	SAMP TOTL TIME	AIR CONC	CEIL/ STEL	8-HOUR T.W.A. CONC.	THRESHOLD LIMIT VALUE	BOOTS WORN	PROTECT CLOTHING WORN	GLOVES WORN	GOGGLES WORN	RESP WORN
2288	02/26/79	FURNACE 3	C INSULR	0090	1.0000 F/CC		.1900	2.000	NO	YES	YES	NO	YES

44M
REMOVAL AND BAGGING OF APPROXIMATLY 75 FEET OF SIX INCH INSULATION. MATERIAL WAS WET DURING REMOVAL AND BAGGED AFTER REMOVAL. NO PRIOR WORK DURING THE DAY INVOLVED ASBESTOS THEREFORE A TWA WAS USED FOR PERSONNEL EXPOSURE DATA.

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DETAIL REPORT FOR ASBESTOS
********** PLANT WIDE **********
1970 THROUGH 1979

PROCESS: SALVAGE OPERATIONS
BLDG NO: 281

CONTAMINANT: ASBESTOS

RECORD NUMBER	DATE	EQPT	JOB TITLE	SAMP TOTL TIME		AIR CONC	CEIL/ STEL	8-HOUR T.W.A. CONC.	THRESHOLD LIMIT VALUE	BOOTS WORN	PROTECT CLOTHING WORN	GLOVES WORN	GOGGLES WORN	RESP WORN
0028	06/25/73	PUMP 3		0025		.0510 F/CC				NO	NO	NO	NO	NO
0028	06/25/73	PUMP 3		0013		.0500 F/CC				NO	NO	NO	NO	NO
0218	06/07/74	DESK		0060	<	1.0000 F/CC			5.000	NO	NO	NO	NO	NO
0034	02/03/75		ON TABLE	0040	<	1.0000 F/CC			5.000	NO	NO	NO	NO	NO
0034	02/03/75		ON TABLE	0039	<	1.0000 F/CC			5.000	NO	NO	NO	NO	NO
1201	10/29/75			0075	<	1.0000 F/CC			5.000	NO	NO	NO	NO	NO
1264	07/16/76			0045		.1000 F/CC			.500	NO	NO	NO	NO	NO

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INDUSTRIAL HYGIENE DEPARTMENT - PLANT 515
DETAIL REPORT FOR ASBESTOS
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1970 THROUGH 1979

PROCESS: SALVAGE OPERATIONS
BLDG NO: 281

CONTAMINANT: ASBESTOS

RECORD NUMBER	DATE	EQPT	JOB TITLE	SAMP TOTL TIME		AIR CONC	CEIL/ STEL	8-HOUR T.W.A. CONC.	THRESHOLD LIMIT VALUE	BOOTS WORN	PROTECT CLOTHING WORN	GLOVES WORN	GOGGLES WORN	RESP WORN
0061	01/12/77	WORK AREA		0030		.0800 F/CC			2.000	NO	NO	NO	NO	NO
		WORK AREA												
0893	07/06/77	WORK BENCH		0030		.0500 F/CC			2.000	NO	NO	NO	NO	NO
0047	01/05/78			0030		.1000 F/CC			2.000	NO	NO	NO	NO	NO
1272	08/29/78	WORK SHOP		0030		.1600 F/CC			2.000	NO	NO	NO	NO	NO
		10L AREA SAMPLE WAS TAKEN ON THE WORK BENCH AT WORK SHOP IN B-281 SAMPLE WAS COLLECTED BY UCC METHOD 38C-29X4-R1, BY PASSING AIR THROUGH AND OPEN FACE FILTER CASSETTE CONTAINING A MEM- BRANE FILTER.												
1410	09/25/78	WORK BENCH		0030	<	.0100 F/CC			2.000	NO	NO	NO	NO	NO
		10M SAMPLE WAS TAKEN DURING GASKET CUTTING OPERATION WITH DOORS AND WINDOWS OPENED. VENTILATION WAS ADEQUATE, WIND DIRECTION WAS SE.												

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1970 THROUGH 1979

PROCESS: SALVAGE OPERATIONS
BLDG NO: 281

CONTAMINANT: ASBESTOS

RECORD NUMBER	DATE	EQPT	JOB TITLE	SAMP TOTL TIME		AIR CONC	CEIL/ STEL	8-HOUR T.W.A. CONC.	THRESHOLD LIMIT VALUE	BOOTS WORN	PROTECT CLOTHING WORN	GLOVES WORN	GOGGLES WORN	RESP WORN
1420	09/26/78	WORK BENCH		0448		.0950 F/CC			2.000	NO	NO	NO	NO	NO
		10L SAMPLE WAS TAKEN WORK SHOP B-281 DURING GASKET CUTTING OPERATION FROM GARLOCK HH460. VENTILATION WAS ADEQUATE WITH TWO ELECTRIC FANS ON THE DOORS AND WINDOWS WERE OPEN AND WIND DIRECTION WAS SE.												
1439	09/28/78	WORK BENCH		0420	<	.0100 F/CC			2.000	NO	NO	NO	NO	NO
		10L SAMPLE WAS TAKEN ON TOP OF THE WORK BENCH AT B-281 WHILE CUTTING GASKETS OUT OF GARLOCK HH460. VENTILATION WAS ADEQUATE WITH DOORS AND WINDOWS OPENED, TWO ELECTRIC FANS ON AND THE WIND COMING SE.												
2784	04/18/79	WORK BENCH		0428	<	.0030 F/CC			2.000	NO	NO	NO	NO	NO
		10 AREA SAMPLE WAS TAKEN INSIDE BLDG-281 ON TOP OF THE WORKING BENCH WHILE GENERAL HELPER WAS CUTTING GASKET MATERIAL. PROPER VENTILATION WAS PROVIDED.												
0019	11/14/72		GEN HELP	0024		1.5000 F/CC				NO	NO	NO	NO	NO
		CUTTING RAYBESTOS-MANHATTAN 680 INTO GASKETS OF VARIOUS SIZES.												

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PROCESS: SALVAGE OPERATIONS
BLDG NO: 281

CONTAMINANT: ASBESTOS

RECORD NUMBER	DATE	EQPT	JOB TITLE	SAMP TOTL TIME	AIR CONC	CEIL/ STEL	8-HOUR T.W.A. CONC.	THRESHOLD LIMIT VALUE	BOOTS WORN	PROTECT CLOTHING WORN	GLOVES WORN	GOGGLES WORN	RESP WORN
0019	11/14/72		GEN HELP	0017	1.2500 F/CC				NO	NO	NO	NO	NO
	CUTTING RAYBESTOS-MANHATTAN 680 INTO GASKETS OF VARIOUS SIZES.												
0019	11/14/72		GEN HELP	0026	1.6500 F/CC				NO	NO	NO	NO	NO
	CUTTING RAYBESTOS-MANHATTAN 680 INTO GASKETS OF VARIOUS SIZES.												
0020	11/14/72		LABORER	0009	5.6600 F/CC				NO	NO	NO	NO	NO
	CLEANING UP GASKET TRIMMINGS AND SWEEPING THE FLOOR IN 281 USING FLOOR SWEEP AND A WIDE PUSH BROOM. LOTS OF VISIBLE DUST.												
0027	06/25/73	PUMP 4	GEN HELP	0022	.0130 F/CC				NO	NO	NO	NO	NO
	WAS CUTTING RM #680 ASBESTOS GASKETS.												
0027	06/25/73	PUMP 4	GEN HELP	0020	.0630 F/CC				NO	NO	NO	NO	NO
	WAS CUTTING RM #680 ASBESTOS GASKETS.												
0027	06/25/73	PUMP 4	GEN HELP	0018	.0150 F/CC				NO	NO	NO	NO	NO

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INDUSTRIAL HYGIENE DEPARTMENT - PLANT 515
DETAIL REPORT FOR ASBESTOS
********** PLANT WIDE **********
1970 THROUGH 1979

PROCESS: SALVAGE OPERATIONS
BLDG NO: 281

CONTAMINANT: ASBESTOS

RECORD NUMBER	DATE	EQPT	JOB TITLE	SAMP TOTL TIME		AIR CONC	CEIL/ STEL	8-HOUR T.W.A. CONC.	THRESHOLD LIMIT VALUE	BOOTS WORN	PROTECT CLOTHING WORN	GLOVES WORN	GOGGLES WORN	RESP WORN
			WAS CUTTING RM #680 ASBESTOS GASKETS.											
0217	06/07/74		GEN HELP 0060		<	1.0000 F/CC			5.000	NO	NO	NO	NO	NO
			WINDS SE - DOORS AND WINDOWS OPEN - TWO FLOOR FANS BEING USED VENTILATION GOOD.											
0034	02/03/75		GEN HELP 0041		<	1.0000 F/CC			5.000	NO	NO	NO	NO	NO
			CUTTG GASKETS HHP-46C											
0034	02/03/75		GEN HELP 0034		<	1.0000 F/CC			5.000	NO	NO	NO	NO	NO
			CUTTG GASKETS HHP-46C											
1199	10/29/75		GEN HELP 0015		<	1.0000 F/CC			5.000	NO	NO	NO	NO	NO
			GASKET CUTTING											
1200	10/29/75		GEN HELP 0075		<	1.0000 F/CC			5.000	NO	NO	NO	NO	NO
			AT DESK											

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INDUSTRIAL HYGIENE DEPARTMENT - PLANT 515
DETAIL REPORT FOR ASBESTOS
********** PLANT WIDE **********
1970 THROUGH 1979

PROCESS: SALVAGE OPERATIONS
BLDG NO: 281

CONTAMINANT: ASBESTOS

RECORD NUMBER	DATE	EQPT	JOB TITLE	SAMP TOTL TIME	AIR CONC	CEIL/ STEL	8-HOUR T.W.A. CONC.	THRESHOLD LIMIT VALUE	BOOTS WORN	PROTECT CLOTHING WORN	GLOVES WORN	GOGGLES WORN	RESP WORN
1264	07/16/76		GEN HELP	0045	.1000 F/CC		.1000	.500	NO	NO	NO	NO	NO
		GASKET CUTTING											
0062	01/12/77		CLERK	0030	.0300 F/CC		.0300	2.000	NO	NO	NO	NO	NO
0892	07/06/77		GEN HELP	0030	.0500 F/CC			2.000	NO	NO	NO	NO	NO
0046	01/05/78		GEN HELP	0030	.0600 F/CC			2.000	NO	NO	NO	NO	NO
1271	08/29/78	WORK BENCH	GEN HELP	0030	.0500 F/CC			2.000	NO	NO	NO	NO	NO
		10L SUBJECT WAS SAMPLE FOR A PERIOD OF 30 MINUTES WHILE CUTTING GASKETS OUT OF ASBESTOS. SAMPLES WERE COLLECTED BY PASSING AIR THROUGH AN OPEN FACE MEMBRANE FILTER CASSETTE.											
1409	09/25/78		GEN HELP	0438	.0200 F/CC		.0200	2.000	NO	NO	NO	NO	NO

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INDUSTRIAL HYGIENE DEPARTMENT - PLANT 515
DETAIL REPORT FOR ASBESTOS
********** PLANT WIDE **********
1970 THROUGH 1979

PROCESS: SALVAGE OPERATIONS
BLDG NO: 281

CONTAMINANT: ASBESTOS

RECORD NUMBER	DATE	EQPT	JOB TITLE	SAMP TOTL TIME		AIR CONC	CEIL/ STEL	8-HOUR T.W.A. CONC.	THRESHOLD LIMIT VALUE	BOOTS WORN	PROTECT CLOTHING WORN	GLOVES WORN	GOGGLES WORN	RESP WORN
						10M SUBJECT WAS MONITORED WHILE CUTTING GASKETS FROM GARLOCK HH-4 60. SAMPLES WERE COLLECTED BY PASSING AIR THROUGH AND OPEN FACE FILTER CASSETTE.								
1411	09/25/78		GEN HELP	0030	<	.0100 F/CC			2.000	NO	NO	NO	NO	NO
						10M MR. EVANS WAS MONITORED WHILE CUTTING GASKETS FROM GARLOCK HH -460. SAMPLES WERE COLLECTED BY PASSING AIR THROUGH AN OPEN FACE FILTER CASSETTE.								
1421	09/26/78		GEN HELP	0448	<	.0100 F/CC	.0100		2.000	NO	NO	NO	NO	NO
						10L SAMPLES WERE TAKEN WHILE CUTTING GASKETS FROM GARLOCK HH-460. SAMPLES WERE COLLECTED BY PASSING AIR THROUGH AND OPEN FACE FILTER CASSETTE.								
1425	09/27/78	GSKT SHOP	GEN HELP	0360	<	.0100 F/CC	.0100		2.000	NO	NO	NO	NO	NO
						10L EVALUATION OF POSSIBLE EXPOSURE DURING GASKET CUTTING.								
1426	09/27/78	GSKT SHOP	GEN HELP	0015	<	.0100 F/CC			2.000	NO	NO	NO	NO	NO
						10L								

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INDUSTRIAL HYGIENE DEPARTMENT - PLANT 515
DETAIL REPORT FOR ASBESTOS
********** PLANT WIDE **********
1970 THROUGH 1979

PROCESS: SALVAGE OPERATIONS
BLDG NO: 281

CONTAMINANT: ASBESTOS

RECORD NUMBER	DATE	EQPT	JOB TITLE	SAMP TOTL TIME		AIR CONC	CEIL/ STEL	8-HOUR T.W.A. CONC.	THRESHOLD LIMIT VALUE	BOOTS WORN	PROTECT CLOTHING WORN	GLOVES WORN	GOGGLES WORN	RESP WORN
			SAMPLED DURING CUTTING OF ASBESTOS CONTAINING MTRL.											
1438	09/28/78		GEN HELP	0480		.1300 F/CC		.1300	2.000	NO	NO	NO	NO	NO
			10L SAMPLE WAS TAKEN WHILE CUTTING GASKETS FROM GARLOCK HH460. THE VENTILATION WAS ADEQUATE AND THE WIND DIRECTION WAS SE.											
1443	09/29/78		GEN HELP	0428	<	.0100 F/CC		.0100	2.000	NO	NO	NO	NO	NO
			10L SAMPLE WAS TAKEN WHILE CUTTING GASKETS FROM GARLOCK HH-460. SAMPLES WERE COLLECTE BY PASSING AIR THROUGH AND OPEN FACE FILTER CASSETTE CONTAINING A MILLIPORE CELLUCOSE ESTER MEM BRANE FILTER WHERE THE SAMPLE IS COLLECTED.											
1444	09/29/78		GEN HELP	0015	<	.0100 F/CC			2.000	NO	NO	NO	NO	NO
			10L SAMPLE WAS TAKEN WHILE CUTTING GASKETS FROM GARLOCK HH-460. DOORS AND WINDOWS WERE OPENED AND THE VENTILATION WAS ADEQUA- TE.											
2783	04/18/79	WORK SHOP	GEN HELP	0430	<	.0020 F/CC		.0020	2.000	NO	NO	NO	NO	NO
			10											

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INDUSTRIAL HYGIENE DEPARTMENT - PLANT 515
DETAIL REPORT FOR ASBESTOS
********** PLANT WIDE **********
1970 THROUGH 1979

PROCESS: SALVAGE OPERATIONS
BLDG NO: 281

CONTAMINANT: ASBESTOS

RECORD NUMBER	DATE	EQPT	JOB TITLE	SAMP TOTL TIME	AIR CONC	CEIL/ STEL	8-HOUR T.W.A. CONC.	THRESHOLD LIMIT VALUE	BOOTS WORN	PROTECT CLOTHING WORN	GLOVES WORN	GOGGLES WORN	RESP WORN

PERSONNEL WAS MONITORED WHILE CUTTING GASKET MATERIAL GARLOCK
HH-P-46C AT BLDG-281 AT WORK SHOP. VENTILATION WAS ADEQUATE.

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INDUSTRIAL HYGIENE DEPARTMENT - PLANT 515
DETAIL REPORT FOR ASBESTOS
********** PLANT WIDE **********
1970 THROUGH 1979

PROCESS: SVR CLARIFICATION
BLDG NO: 122

CONTAMINANT: ASBESTOS

RECORD NUMBER	DATE	EQPT	JOB TITLE	SAMP TOTL TIME		AIR CONC	CEIL/ STEL	8-HOUR T.W.A. CONC.	THRESHOLD LIMIT VALUE	BOOTS WORN	PROTECT CLOTHING WORN	GLOVES WORN	GOGGLES WORN	RESP WORN
0053	02/06/75			0004	<	1.0000 F/CC			5.000	NO	NO	NO	NO	NO
		LAB BENCH												
1236	08/09/76	CLARIFIER		0010		.4100 F/CC			2.000	NO	NO	NO	NO	NO
0112	01/13/77	WORK AREA		0030		.0300 F/CC			.500	NO	NO	NO	NO	NO
0914	07/12/77	WORK BENCH		0015		.0000 F/CC			2.000	NO	NO	NO	NO	NO
1536	10/18/78			0030	<	.0100 F/CC			2.000	NO	NO	NO	NO	NO
		11L AREA SAMPLE WAS TAKEN ON TOP OF THE FILTER MIX TK-13046 IN B-122 2ND LEVEL WHILE OPERATOR ADD FIBRA-FLO TO MIX TK.												
0219	06/10/74		CLARF OP	0008	<	1.0000 F/CC			5.000	NO	NO	NO	NO	YES

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INDUSTRIAL HYGIENE DEPARTMENT - PLANT 515
DETAIL REPORT FOR ASBESTOS
********** PLANT WIDE **********
1970 THROUGH 1979

PROCESS: SVR CLARIFICATION
BLDG NO: 122

CONTAMINANT: ASBESTOS

RECORD NUMBER	DATE	EQPT	JOB TITLE	SAMP TOTL TIME		AIR CONC	CEIL/ STEL	8-HOUR T.W.A. CONC.	THRESHOLD LIMIT VALUE	BOOTS WORN	PROTECT CLOTHING WORN	GLOVES WORN	GOGGLES WORN	RESP WORN
			SAMPLED WHILE ADDING JOHNS-MANVILLE FIBRA-FLO CELITE DIATOMITE FIBER-AID CONTAINING ASBESTOS FIBER - ONE HALF SACK											
0219	06/10/74		LABORER	0031	<	1.0000 F/CC			5.000	NO	NO	NO	NO	NO
			FLOOR SWEEP SPRINKLED ON THE FLOOR PRIOR TO SWEEPING											
0053	02/06/75		CLARF OP	0004	<	1.0000 F/CC			5.000	NO	NO	NO	NO	YES
			ADDING J-M FIBRA-FLO DUST MSK											
1398	12/15/75		CLARF OP	0015	<	5.0000 F/CC			2.000	NO	NO	NO	NO	YES
1236	08/09/76	CLARIFIER	CLARF OP	0010		.7700 F/CC		.7700	2.000	NO	NO	NO	NO	NO
0111	01/13/77		CLARF OP	0030		.0100 F/CC		.0100	2.000	NO	NO	NO	NO	YES
			MSK10MIN											

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DETAIL REPORT FOR ASBESTOS
********** PLANT WIDE **********
1970 THROUGH 1979

PROCESS: SVR CLARIFICATION
BLDG NO: 122

CONTAMINANT: ASBESTOS

RECORD NUMBER	DATE	EQPT	JOB TITLE	SAMP TOTL TIME		AIR CONC	CEIL/ STEL	8-HOUR T.W.A. CONC.	THRESHOLD LIMIT VALUE	BOOTS WORN	PROTECT CLOTHING WORN	GLOVES WORN	GOGGLES WORN	RESP WORN
0913	07/12/77		CLARF OP	0015		.0000 F/CC			2.000	NO	NO	NO	NO	YES
		ADDING FIBRA-FLO DUSTMI15												
1535	10/18/78		CLARF OP	0030	<	.0100 F/CC		.0100	2.000	NO	NO	NO	NO	YES
		11L SAMPLES WERE TAKEN WHILE OPERATOR WAS ADDING FIBRA-FLO TO NO-13046 MIX TK. SAMPLES WERE COLLECTED BY PASSING AIR THROUGH A FILTER CASSETTE CONTAINING A MILLIPORE 37MM CELLULOSE FILTER WHERE THE FIBERS ARE COLLECTED BY MEANS OF OPEN FACE TECH. DUST RESPIRATOR WAS WORN DURING THE OPERATION.												

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INDUSTRIAL HYGIENE DEPARTMENT - PLANT 515
DETAIL REPORT FOR ASBESTOS
********** PLANT WIDE **********
1970 THROUGH 1979

PROCESS: SVR DISTILLATION
BLDG NO: 114

CONTAMINANT: ASBESTOS

RECORD NUMBER	DATE	EQPT	JOB TITLE	SAMP TOTL TIME	AIR CONC	CEIL/ STEL	8-HOUR T.W.A. CONC.	THRESHOLD LIMIT VALUE	BOOTS WORN	PROTECT CLOTHING WORN	GLOVES WORN	GOGGLES WORN	RESP WORN
0033	01/31/74		INSULATR	0021	.8200 F/CC			5.000	NO	NO	NO	NO	YES
0033	01/31/74		INSULATR	0020	.3300 F/CC			5.000	NO	NO	NO	NO	YES
0034	01/31/74		INSULATR	0025	.6100 F/CC			5.000	NO	NO	NO	NO	YES
0034	01/31/74		INSULATR	0018	.8200 F/CC			5.000	NO	NO	NO	NO	YES

UCTC 11891

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INDUSTRIAL HYGIENE DEPARTMENT - PLANT 515
DETAIL REPORT FOR ASBESTOS
********** PLANT WIDE **********
1970 THROUGH 1979

PROCESS: SVR DRYING
BLDG NO: 121

CONTAMINANT: ASBESTOS

RECORD NUMBER	DATE	EQPT	JOB TITLE	SAMP TOTL TIME	AIR CONC	CEIL/ STEL	8-HOUR T.W.A. CONC.	THRESHOLD LIMIT VALUE	BOOTS WORN	PROTECT CLOTHING WORN	GLOVES WORN	GOGGLES WORN	RESP WORN
0015	08/21/72	NE CORNER	INSULATR	0012	5.8200 F/CC				NO	NO	NO	NO	NO

CLEANED UP THE DEBRIS FROM A KAYLO TEAR OUT JOB ON A VESSEL INSIDE BLDG 121 IN THE NORTHEAST CORNER OF THE GROUND FLOOR. MATERIAL IS SWEPT INTO PILES AND SHOVELED INTO PLASTIC BAGS HELD OPEN BY TWO MEN. THERE WAS A CONSIDERABLE AMOUNT OF DUST INVOLVED IN THIS CLEAN-UP METHOD.

0015	08/21/72	NE CORNER	INSULATR	0014	7.7100 F/CC				NO	NO	NO	NO	NO

CLEANED UP THE DEBRIS FROM A KAYLO TEAR OUT JOB ON A VESSEL INSIDE BLDG 121 IN THE NORTHEAST CORNER OF THE GROUND FLOOR. MATERIAL IS SWEPT INTO PILES AND SHOVELED INTO PLASTIC BAGS HELD OPEN BY TWO MEN. THERE WAS A CONSIDERABLE AMOUNT OF DUST INVOLVED IN THIS CLEAN-UP METHOD.

0016	08/21/72	NE CORNER	INSULATR	0010	11.8200 F/CC				NO	NO	NO	NO	NO

CLEANED UP THE DEBRIS FROM A KAYLO TEAR OUT JOB ON A VESSEL INSIDE BLDG 121 IN THE NORTHEAST CORNER OF THE GROUND FLOOR. MATERIAL WAS SWEPT INTO PILES AND SHOVELED INTO PLASTIC BAGS HELD OPEN BY TWO MEN. THERE IS A CONSIDERABLE AMOUNT OF DUST INVOLVED IN THIS CLEAN-UP METHOD.

0016	08/21/72	NE CORNER	INSULATR	0017	10.4600 F/CC				NO	NO	NO	NO	NO

CLEANED UP THE DEBRIS FROM A KAYLO TEAR OUT JOB ON A VESSEL INSIDE BLDG 121 IN THE NORTHEAST CORNER OF THE GROUND FLOOR. MATERIAL WAS SWEPT INTO PILES AND SHOVELED INTO PLASTIC BAGS HELD OPEN BY TWO MEN. THERE IS A CONSIDERABLE AMOUNT OF DUST INVOLVED IN THIS CLEAN-UP METHOD.

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DETAIL REPORT FOR ASBESTOS
********** PLANT WIDE **********
1970 THROUGH 1979

PROCESS: SYN GAS COMPRESSION
BLDG NO: 139

CONTAMINANT: ASBESTOS

RECORD NUMBER	DATE	EQPT	JOB TITLE	SAMP TOTL TIME	AIR CONC	CEIL/ STEL	8-HOUR T.W.A. CONC.	THRESHOLD LIMIT VALUE	BOOTS WORN	PROTECT CLOTHING WORN	GLOVES WORN	GOGGLES WORN	RESP WORN
2283	02/23/79	SE CORNER		0161	.2700 F/CC			2.000	NO	NO	NO	NO	NO
			44 AREA SAMPLE JUST OUTSIDE THE DOOR AT THE SOUTHEAST CORNER OF BLDG.139.SAMPLER WAS PLACED AT BREATHING ZONE LEVEL.THE SMPLE WAS COLLECTED DURING THE INSULATION REMOVAL IN THE PIPE RACK SOUTHEAST OF B-139.										
2284	02/23/79	STAIR SE		0216	.0700 F/CC			2.000	NO	NO	NO	NO	NO
			44 AREA SAMPLE TAKEN AT BREATHING ZONE LEVEL AT THE STAIRWELL JUST INSIDE THE DOOR AT THE SOUTHEAST CORNER OF BLDG.139.THE SAMPLE WAS COLLECTED DURING THE INSULATION REMOVAL IN THE PIPE RACK SOUTHEAST OF BLDG.139.										
2281	02/23/79	PIPE RACK C	INSULR	0193	.5200 F/CC		.2100	2.000	NO	YES	YES	YES	YES
			44 INSULATION WAS REMOVED FROM TWO 36 FEET SECTIONS OF PIPE IN THE PIPE RACK AT THE SOUTHEAST CORNER OF BLDG.139.THE INSULATION WAS WETTED DOWN AS IT WAS STRIPPED FROM THE PIPES AND THE INSULATION WAS PLACED IN PLASTIC BAGS FOR DISPOSAL.ALL OF THE PERSONNEL INVOLVED WERE WEARING RESPIRATORS,GLOVES,DISPOSABLE COVERALLS AND GOGGLES.										
2282	02/23/79	PIPE RACK C	INSULR	0193	.1700 F/CC		.0700	2.000	NO	YES	YES	YES	YES
			44										

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INDUSTRIAL HYGIENE DEPARTMENT - PLANT 515
DETAIL REPORT FOR ASBESTOS
********** PLANT WIDE **********
1970 THROUGH 1979

PROCESS: SYN GAS COMPRESSION
BLDG NO: 139

CONTAMINANT: ASBESTOS

RECORD NUMBER	DATE	EQPT	JOB TITLE	SAMP TOTL TIME		AIR CONC	CEIL/ STEL	8-HOUR T.W.A. CONC.	THRESHOLD LIMIT VALUE	BOOTS WORN	PROTECT CLOTHING WORN	GLOVES WORN	GOGGLES WORN	RESP WORN
						INSULATION WAS REMOVED FROM TWO 36 FEET SECTIONS OF PIPE IN THE PIPE RACK SOUTHEAST OF BLDG.139.AS THE INSULATION WAS REMOVED,IT WAS WETTED DOWN AND PLACED IN PLASTIC BAGS FOR DISPOSAL.ALL PERSONNEL WERE WEARING RESPIRATORS,GLOVES,GOGGLES, AND DISPOSABLE COVERALLS.								
2285	02/23/79	PIPE RACK	C LABRER 0196	44	<	.0100 F/CC		.0100	2.000	NO	YES	YES	YES	YES
						INSULATION WAS REMOVED FROM TWO 36 FEET SECTIONS OF PIPE IN THE PIPE RACK SOUTHEAST OF BLDG.139.AS THE INSULATION WAS REMOVED IT WAS KEPT WET AND PLACED IN PLASTIC BAGS FOR DISPOSAL RESPIRATORS,GOGGLES,GLOVES AND DISPOSABLE COVERALLS WERE WORN BY ALL PERSONNEL INVOLVED.								
2286	02/23/79	PIPE RACK	C LABRER 0196	44		.0300 F/CC		.0100	2.000	NO	YES	YES	YES	YES
						INSULATION WAS REMOVED FROM TWO 36 FEET SECTIONS OF PIPE IN THE PIPE RACK SOUTHEAST OF BLDG.139.ALL INSULATION WAS KEPT WET AS IT WAS REMOVED.THE INSULATION WAS PLACED IN PLASTIC BAGS FOR DISPOSAL.RESPIRATORS,GLOVES,GOGGLES AND DISPOSABLE COVERALLS WERE WORN BY ALL PERSONNEL.								

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INDUSTRIAL HYGIENE DEPARTMENT - PLANT 515
DETAIL REPORT FOR ASBESTOS
********** PLANT WIDE **********
1970 THROUGH 1979

PROCESS: VINYL ACETATE
BLDG NO: 110

CONTAMINANT: ASBESTOS

RECORD NUMBER	DATE	EQPT	JOB TITLE	SAMP TOTL TIME	AIR CONC	CEIL/ STEL	8-HOUR T.W.A. CONC.	THRESHOLD LIMIT VALUE	BOOTS WORN	PROTECT CLOTHING WORN	GLOVES WORN	GOGGLES WORN	RESP WORN
0014	08/18/72		INSULATR	0015	2.0000 F/CC				NO	NO	NO	NO	NO
	KAYLO INSULATION BEING REMOVED FROM THE COLUMN SHELL. CARE IS EXERCISED IN REMOVAL TO KEEP FROM DAMAGING THE KAYLO BLOCKS.												
0014	08/18/72		INSULATR	0015	1.4000 F/CC				NO	NO	NO	NO	NO
	KAYLO INSULATION BEING REMOVED FROM THE COLUMN SHELL. CARE IS EXERCISED IN REMOVAL TO KEEP FROM DAMAGING THE KAYLO BLOCKS.												
0380	02/19/76		INSULATR	0033	.1700 F/CC			5.000	NO	NO	NO	NO	NO
	USING ASBESTOS TAPE												
0380	02/19/76		INSULATR	0030	.0400 F/CC			5.000	NO	NO	NO	NO	NO
	USING ASBESTOS TAPE												

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INDUSTRIAL HYGIENE DEPARTMENT - PLANT 515
DETAIL REPORT FOR ASBESTOS
********** PLANT WIDE **********
1970 THROUGH 1979

PROCESS: VINYLITE REFRIGERATION
BLDG NO: 113

CONTAMINANT: ASBESTOS

RECORD NUMBER	DATE	EQPT	JOB TITLE	SAMP TOTL TIME	AIR CONC	CEIL/ STEL	8-HOUR T.W.A. CONC.	THRESHOLD LIMIT VALUE	BOOTS WORN	PROTECT CLOTHING WORN	GLOVES WORN	GOGGLES WORN	RESP WORN
2326	03/01/79	E	PIPE RCK	0060	.0600 F/CC			2.000	NO	NO	NO	NO	NO
			44										
			EVALUATION OF ASBESTOS BEING BLOWN DOWNWIND FROM JOB										
2327	03/01/79	E	PIPE RK C	INSULR 0060	1.7900 F/CC		.2200	2.000	NO	YES	YES	NO	YES
			44										
			INSULATOR REMOVED TWO ONE FOOT SECTIONS OFINSULATION. PRIOR TO AND DURING REMOVAL INSULATION WAS SPRAYED WITH WATER. SOME PROBLEMS AROSE WITH INADEQUATE WETTING DURING CUTTING, THIS WAS DUE TO THE LACK OF A LABORER TO ASSIST INSULATOR. WORKER HAD NO OTHER EXPOSURES TO ASBESTOS THERE-BY A TWA IS USED.										

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INDUSTRIAL HYGIENE DEPARTMENT - PLANT 515
DETAIL REPORT FOR ASBESTOS
********** PLANT WIDE **********
1970 THROUGH 1979

PROCESS:
BLDG NO:

CONTAMINANT:

RECORD NUMBER	DATE	EQPT	JOB TITLE	SAMP TOTL TIME	AIR CONC	CEIL/ STEL	8-HOUR T.W.A. CONC.	THRESHOLD LIMIT VALUE	BOOTS WORN	PROTECT CLOTHING WORN	GLOVES WORN	GOGGLES WORN	RESP WORN

TOTAL NUMBER OF ITEMS RETRIEVED 814

UCTC 11897

Union Carbide trial exhibit UC-1057: Industrial Hygiene Department, Plant 515: Detail Report for Asbestos Air Sam...
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