PLAINTIFF'S EXHIBIT
KRC-24

ASBESTOS EQUIPMENT LOG HARRIS 12/3/90

ASBESTOS FIBERS

K 007578

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS			IN SERVICE			TO BE REMOVED			REMOVED			JUNK			TO BE INSULATED		
			Y	N		Y	N		Y	N		Y	N		Y	N		Y	N	

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N	IN SERVICE Y	IN SERVICE N	TO BE REMOVED Y	TO BE REMOVED N	REMOVED Y	REMOVED N	JUNK Y	JUNK N	TO BE INSULATED Y	TO BE INSULATED N

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N	IN SERVICE Y	IN SERVICE N	TO BE REMOVED Y	TO BE REMOVED N	REMOVED Y	REMOVED N	JUNK Y	JUNK N	TO BE INSULATED Y	TO BE INSULATED N

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N	IN SERVICE Y	IN SERVICE N	TO BE REMOVED Y	TO BE REMOVED N	REMOVED Y	REMOVED N	JUNK Y	JUNK N	TO BE INSULATED Y	TO BE INSULATED N

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N	IN SERVICE Y	IN SERVICE N	TO BE REMOVED Y	TO BE REMOVED N	REMOVED Y	REMOVED N	JUNK Y	JUNK N	TO BE INSULATED Y	TO BE INSULATED N

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N	IN SERVICE Y	IN SERVICE N	TO BE REMOVED Y	TO BE REMOVED N	REMOVED Y	REMOVED N	JUNK Y	JUNK N	TO BE INSULATED Y	TO BE INSULATED N

K 007584

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N	IN SERVICE Y	IN SERVICE N	TO BE REMOVED Y	TO BE REMOVED N	REMOVED Y	REMOVED N	JUNK Y	JUNK N	TO BE INSULATED Y	TO BE INSULATED N

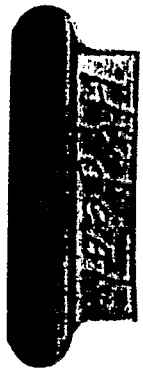
MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N	IN SERVICE Y	IN SERVICE N	TO BE REMOVED Y	TO BE REMOVED N	REMOVED Y	REMOVED N	JUNK Y	JUNK N	TO BE INSULATED Y	TO BE INSULATED N

K 007586

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS		IN SERVICE		TO BE REMOVED		REMOVED		JUNK		TO BE INSULATED	
			Y	N	Y	N	Y	N	Y	N	Y	N	Y	N



K 007588

MASTER EQUIPMENT LI

Hydeal

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N	IN SERVICE Y	IN SERVICE N	TO BE REMOVED Y	TO BE REMOVED N	REMOVED Y	REMOVED N	JUNK Y	JUNK N	TO BE INSULATED Y	TO BE INSULATED N	
DA 1431	# 2 toluene RERUN tower		X		X			X					X		C
EA 1438	# 2 toluene Reboiler		X		X			X					X		C
DA 1414	Benzene Column		X		X										

K 007589

Index

K 007590

MASTER EQUIPMENT LI

Udex

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N	IN SERVICE Y	IN SERVICE N	TO BE REMOVED Y	TO BE REMOVED N	REMOVED Y	REMOVED N	JUNK Y	JUNK N	TO BE INSULATED Y	TO BE INSULATED N	
EA 1404	Glycol Cooler		X		X					X			X		C
EA 1405	A+B Glycol Cooler		X		X					X			X		C
EA 1438	Xylene stripper Receiver			X	X					X				X	C
DA 1435	Xylene stripper Tower		X		X					X			X		
EA 1457	Xylene stripper Reboiler		X		X					X			X		
EA 1459	feed effuent Preheater		X		X					X			X		C
EA 1460	Purchased Xylene heater		X		X					X			X		C
EA 1461	C 9 bottoms heated		X		X					X			X		C
DA 1407	#1 Extractor Column		X		X					X			X		
DA 1404	Stripper Column		X		X					X			X		
DA 1409R	Water Still Column			X	X					X				X	C
DA 1410R	Solvent Regenerator Column			X	X					X				X	C
DA 1483	#2 Extract Column		X		X					X			X		
14EA 1312	Hot Feed Exchanger		X		X					X			X		
[illegible]	Solvent Regenerator Feed Preheater			X	X					X				X	C
EA 1414	H_2O Still Reboiler		X		X					X			X		
EA 1450	Solvent Regenerator Reboiler			X	X					X				X	C
EA 1463	Udex Stripper Condenser			X	X					X				X	C
EA 1464	Stripper Overhead Condenser			X	X					X				X	C
EA 1465	Extractor Charge Preheater		X		X					X			X		C
EA 1466A	Raffinate Feed Exchanger		X		X					X			X		C
EA 1466B	Raffinate Feed Exchanger			X	X					X				X	C

K 007591

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N		IN SERVICE Y	IN SERVICE N		TO BE REMOVED Y	TO BE REMOVED N		REMOVED Y	REMOVED N		JUNK Y	JUNK N		TO BE INSULATED Y	TO BE INSULATED N	
EA 1467	Extract Trim Cooler			X		X							X						X	C
EA 1467R	Extract Trim Cooler			X		X							X						X	C
14EA 1500	Stripper Reboiler			X		X							X						X	C
14EA 1502	Stripper Extract Condenser			X		X							X						X	C
14EA 1518	Stripper Steam Generator			X		X							X						X	C
14EA 1519	Condensate/Wash Water Exchanger			X		X							X						X	C
14EA 1520	Raffinate/Stripping Water Exchanger			X		X							X						X	C
EA 1418A B	Clay tower feed AB+CD		X				X						X					X		C
EA 1419 A B	Claytower feed Ht. Reboiler		X				X						X					X		C
EA 1430 ~~B~~ C A D	Pre heater		X			X							X					X		C
DA 1414	Hydeal		X			X							X					X		
EA 1422 A C B D	not on file (C compl)		X			X							X					X		C
EA 1426 AB	#2 toluene Rerun Reboler		X			X							X					X		
EA 1478	Toluene Column Reboiler			X									X						X	C
DA 1434	~~Clay tower~~ Solvent Treater		X	X									X					X		
DA 1413	Clay tower		X		X								X					X		
DA 1412	Clay tower		X		X								X					X		
EA 1427	orthoxylene Rerun Cooler		X				X						X					X		C
DA 1436	Xylene Clay tower (Top Asb)		X	X			X						X						X	
DA 1437	Clay treater (HAF) (Top Dome)		X	X		X													X	
DA 1438	HAF Clay treater (Top Dome)		X	X			X						X						X	
FA 1447	#1 Totuene Column			X			X						X						X	C

K 007592

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N	IN SERVICE Y	IN SERVICE N	TO BE REMOVED Y	TO BE REMOVED N	REMOVED Y	REMOVED N	JUNK Y	JUNK N	TO BE INSULATED Y	TO BE INSULATED N	
DA 1448	# 2 toluene Rerun Column		X		X			X					X		C
DA 1416	# 1 toluenen Rerun Column		X		X			X					X		C
EA 1496	A B exchanger			X	X			X						X	C
EA 1475	A B exchanger			X	X			X						X	C
14DA 2502	side Draw (ULTRAformate Tower		X					X					X		
EA# -1529	Toluenen Rerun			X				X						X	C
EA 1523	A B exchangers			X		X		X						X	C
EA 1449	exchanger		X		X			X					X		C
EA B 1419	exchanger A+B		X		X			X						X	C
EA 1418	exchanger A+B		X		X			X						X	C
EA 307	exchanger		X		X			X					X		C
FA 1430			X												

K 007593

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N		IN SERVICE Y	IN SERVICE N		TO BE REMOVED Y	TO BE REMOVED N		REMOVED Y	REMOVED N		JUNK Y	JUNK N		TO BE INSULATED Y	TO BE INSULATED N

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N		IN SERVICE Y	IN SERVICE N		TO BE REMOVED Y	TO BE REMOVED N		REMOVED Y	REMOVED N		JUNK Y	JUNK N		TO BE INSULATED Y	TO BE INSULATED N

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS		IN SERVICE		TO BE REMOVED		REMOVED		JUNK		TO BE INSULATED	
			Y	N	Y	N	Y	N	Y	N	Y	N	Y	N

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N	IN SERVICE Y	IN SERVICE N	TO BE REMOVED Y	TO BE REMOVED N	REMOVED Y	REMOVED N	JUNK Y	JUNK N	TO BE INSULATED Y	TO BE INSULATED N

-Asbestos X=Services

K 007598

P.M.B.

MASTER EQUIPMENT LI

PMB

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N	IN SERVICE Y	IN SERVICE N	TO BE REMOVED Y	TO BE REMOVED N	REMOVED Y	REMOVED N	JUNK Y	JUNK N	TO BE INSULATED Y	TO BE INSULATED N	
DA 2801	Tower Distillation Col.		X		X					X			X		C
EA 2824	exchanger			X											C
FA 2820	accumulator			X											C
EA 2807	Hydrolizer heater Cooler			X											C
FA 2813	accumulator			X											C
FA 2806	accumulator			X											C
FA 2828	accumulator			X											C
FA 2818	accumulator			X											C
FA 2805	accumulator			X											C
FA 2829	accumulator (DC 2805)			X											C
EA 2814	exchanger Reactor preheater			X	X			X		X		X	X		P
EA 2802	exchanger			X											P
EA 2826				X											
FA 2833				X											
FA 2818				X											
DA 2803				X											

K 007599

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N	IN SERVICE Y	IN SERVICE N	TO BE REMOVED Y	TO BE REMOVED N	REMOVED Y	REMOVED N	JUNK Y	JUNK N	TO BE INSULATED Y	TO BE INSULATED N

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N	IN SERVICE Y	IN SERVICE N	TO BE REMOVED Y	TO BE REMOVED N	REMOVED Y	REMOVED N	JUNK Y	JUNK N	TO BE INSULATED Y	TO BE INSULATED N

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N	IN SERVICE Y	IN SERVICE N	TO BE REMOVED Y	TO BE REMOVED N	REMOVED Y	REMOVED N	JUNK Y	JUNK N	TO BE INSULATED Y	TO BE INSULATED N

K 007602

Coker

K 007603

X=Asbestos X=Service
X=Reinsulate X=Remove

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N	IN SERVICE Y	IN SERVICE N	TO BE REMOVED Y	TO BE REMOVED N	REMOVED Y	REMOVED N	JUNK Y	JUNK N	TO BE INSULATED Y	TO BE INSULATED N	
	Coker	0414													
DA 1601	North Coke Drum ↓			X	X			X						X	C
DA 1602	South Coke Drum ↓			X	X			X						X	C
DA 1603	Main Column ↓			X	X			X					X	X	C
BA 1601	Coker Heater (some lines) Pool ?		X		X										
DA 16006	Blowdown scrubber ?			X	X									X	C
FA 1601	Main Col. O/H Receiver ?				X									P	C
FA 1602	Blowdown Drum ?			X	X									X	C
FA 1603	feed surge Drum Neg (Heat Asbestos)		X		X			X					X		
FA 1610	Blowdown Separator			X	X									P	C
FA 1715	Compressor feed Drum			X	X									P	C
EE 1601	Condenser			X	X									P	C
EA 1605	A Blowdown Cooler			X	X									P	C
EA 1606	oil Cooler			X	X									P	C
EA 1608	main Col. O/H Condenser			X	X									P	C
EA 1609	" " " "			X	X									P	C
EA 1611	Steam Generator ?			X	X									X	C
EA 1616	Blowdown scrubber Bt. Ht. ↓			X	X			X						X	C
EA 1729	1st Stage Intercooler			X	X									P	C
EA 1730	2nd " "			X	X									P	C
EA 1738	Naphtha Splitter Reboiler ?			X	X									I	C
EA 1741	Reboiler ↓			X	X			X						X	C
EA 1735	Exchanger ↓			X	X			X						X	C
EA 1610	A + B-C Exchanger =			X	X									X	C

K 007604

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N	IN SERVICE Y	IN SERVICE N	TO BE REMOVED Y	TO BE REMOVED N	REMOVED Y	REMOVED N	JUNK Y	JUNK N	TO BE INSULATED Y	TO BE INSULATED N	
	Coker														
DA 1605	Gas oil stripper			X	X			X						X	C
FA 1609	Condensate Accm.			X	X			X						X	C
CA 2268				X				X						X	
EA 1607	A+B-C listed as 1609 exchanger		X		X			X						X	
EA 1745	exchanger			X	X									X	C
EA 1741	exchanger			X	X									X	C
DA 1705	Debutanizer Col B			X	X									X	C
FA 1611	Flush oil K.O. Pot			X	X			X						X	C
EA 1612	A+B Heavy Gas oil			X	X			X						X	C
EA 1701	Naphtha Cooler			X	X			X						X	C
EA 1744	Reboiler			X	X			X						X	C
DA 1704	Debutanizer Column		X		X			X					X	/	
DA 1703	Splitter Column		X		X			X					X		
DA 1709	Caustic Regen.			X	X			X						X	C
EA 1937	B Naphtha Splitter			X	X			X						X	C
EA 1937	A Naphtha Splitter			X	X			X						X	C
EA 1721	Amine Reboiler			X	X			X						X	C
EA 1735	Absorber Reboiler			X	X			X						X	C
DA 1712	Absorber Deethanizer			X	X			X						X	C
EA 1734	Deethanizer Side Reboiler			X	X			X						X	C
EA 1743	Deethanizer Steam Reboiler			X	X			X						X	C
DA 1604	Light Gas Oil Stripper		X		X			X					X		

K 007605

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N	IN SERVICE Y	IN SERVICE N	TO BE REMOVED Y	TO BE REMOVED N	REMOVED Y	REMOVED N	JUNK Y	JUNK N	TO BE INSULATED Y	TO BE INSULATED N
DA 1711			X			X	X				X			X

K 007606

PAREX #1

K 007607

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N	IN SERVICE Y	IN SERVICE N	TO BE REMOVED Y	TO BE REMOVED N	REMOVED Y	REMOVED N	JUNK Y	JUNK N	TO BE INSULATED Y	TO BE INSULATED N	
LI	PAREX #1														
DA 1201	Absobent Chamber #1		X		X			X						X	
DA 1202	" " #2		X		X			X						X	
DA 1203	Raffinate Column (91)		X		X			X						X	C
DA 1204	Extract Column (91)		X		X			X						X	C
DA 1205	Absorbent Rerun Column (91)		X		X			X						X	C
EA 1207	exchanger		X			X	X							X	C
EA 1206	exchanger		X			X		X				X		X	C
EA 1213R	exchanger			X											C

K 007608

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N	IN SERVICE Y	IN SERVICE N	TO BE REMOVED Y	TO BE REMOVED N	REMOVED Y	REMOVED N	JUNK Y	JUNK N	TO BE INSULATED Y	TO BE INSULATED N

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N	IN SERVICE Y	IN SERVICE N	TO BE REMOVED Y	TO BE REMOVED N	REMOVED Y	REMOVED N	JUNK Y	JUNK N	TO BE INSULATED Y	TO BE INSULATED N

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS		IN SERVICE		TO BE REMOVED		REMOVED		JUNK		TO BE INSULATED	
			Y	N	Y	N	Y	N	Y	N	Y	N	Y	N

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N	IN SERVICE Y	IN SERVICE N	TO BE REMOVED Y	TO BE REMOVED N	REMOVED Y	REMOVED N	JUNK Y	JUNK N	TO BE INSULATED Y	TO BE INSULATED N

UNIFINER

X = Asbestos X = Service
X = Reinsutate X = Remove

MASTER EQUIPMENT LI

UNIFINER 0412

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N	IN SERVICE Y	IN SERVICE N	TO BE REMOVED Y	TO BE REMOVED N	REMOVED Y	REMOVED N	JUNK Y	JUNK N	TO BE INSULATED Y	TO BE INSULATED N	
DC 1201	Reactor		X			X	X					X		X	C
DA 1203	Stripper tower			X	X			X							C
EA 1206	Stripper Bottoms		X		X			X					X		C
EA 1201B	Prefrac. Feed Preheater		X		X			X					X		
EA 1259	Depentanizer Reboiler (A B & C).			X	X			X						X	C
EA 1251	Stripper exchanger			X				X						X	C
FA 1253	Stripper Receiver K.O Vessel			X				X						X	C
EA 1461	C9 Bottoms heater		X		X			X					X		C
EA 1460	Purchased Xylene heater		X		X			X					X		C
EA 1459	Feed effuent Preheater		X		X			X					X		C
DA 1201	Depentanizer tower		X		X			X					X		
EA 1308A	BTX splitter Condenser			X	X			X						X	C
EA 1312	exchanger			X	X			X						X	C
EA 1457	Xylene Stripper Reboiler		X		X										
DA 1435	Xylene Stripper Tower (Udex)		X		X			X					X		
FA 1438	Xylene stripper Receiver (Udex)			X	X			X					X		C
EA 1405	Glyol Cool (Udex Area)		X		X			X					X		C
EA 1201A	Depentanizer Feed ex.		X		X			X					X		
EA 1313	BTX Splitter Reboiler			X	X			X						X	C
EA 1311	BTX Splitter O/H exch.			X				X						X	C
EA 1317	A+B Stabilizer Cooler			X				X						X	C
EA 1315	Charger heater			X				X						X	C
EA 1302	Stabilizer Bot. Fd. exch			X				X						X	C

K 007614

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N	IN SERVICE Y	IN SERVICE N	TO BE REMOVED Y	TO BE REMOVED N	REMOVED Y	REMOVED N	JUNK Y	JUNK N	TO BE INSULATED Y	TO BE INSULATED N
FA 1257	Depentanizer Condensate Pot			X	X			X						X
~~FA 18~~														

K 007615

ortho Xylene

K 007616

MASTER EQUIPMENT LI

Ortho Xylene

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N	IN SERVICE Y	IN SERVICE N	TO BE REMOVED Y	TO BE REMOVED N	REMOVED Y	REMOVED N	JUNK Y	JUNK N	TO BE INSULATED Y	TO BE INSULATED N	
EA 2003	O.X. Recovery			X	X			X						X	C
FA 2002	orthoxylene Recycle Col. Acc.			X	X			X						X	C
EA 2005	orthoxylene Recycle Cooler			X	X			X						X	C
DA 2004	# 1 orthoxylene Recycle Col.			X	X			X						X	C
EA 2006A	orthoxylene Recycle Steam Gen.			X	X			X						X	C
EA 2006B	# 1 orthoxylene Recycle Steam Gen			X	X			X						X	C
EA 2006C	orthoxylene Recycle Steam Gen			X	X			X						X	C
DA 2001	Dome-Top head & Bott. orthoxylene finisting Col.		X	X	X			X					X		
DA 2002	Dome-Top head & Bott crystallizer		X	X	X			X					X		
DA 2003	Dome-Top head & Bott # 2 orthoxylene Recycle Col.		X	X	X			X					X		
GD 2008			X	X	X			X					X		
FA 2001	orthoxylene finishing Col.		X		X			X					X		
FA 2001	Dome		X		X			X					X		
FA 2008	ortho Recycle feed cond.			X	X			X						X	C
FA 2007	ortho Recycle " "			X	X			X						X	C

K 007617

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N		IN SERVICE Y	IN SERVICE N		TO BE REMOVED Y	TO BE REMOVED N		REMOVED Y	REMOVED N		JUNK Y	JUNK N		TO BE INSULATED Y	TO BE INSULATED N

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N	IN SERVICE Y	IN SERVICE N	TO BE REMOVED Y	TO BE REMOVED N	REMOVED Y	REMOVED N	JUNK Y	JUNK N	TO BE INSULATED Y	TO BE INSULATED N

K 007619

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N	IN SERVICE Y	IN SERVICE N	TO BE REMOVED Y	TO BE REMOVED N	REMOVED Y	REMOVED N	JUNK Y	JUNK N	TO BE INSULATED Y	TO BE INSULATED N

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N	IN SERVICE Y	IN SERVICE N	TO BE REMOVED Y	TO BE REMOVED N	REMOVED Y	REMOVED N	JUNK Y	JUNK N	TO BE INSULATED Y	TO BE INSULATED N

K 007621

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N		IN SERVICE Y	IN SERVICE N		TO BE REMOVED Y	TO BE REMOVED N		REMOVED Y	REMOVED N		JUNK Y	JUNK N		TO BE INSULATED Y	TO BE INSULATED N

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N	IN SERVICE Y	IN SERVICE N	TO BE REMOVED Y	TO BE REMOVED N	REMOVED Y	REMOVED N	JUNK Y	JUNK N	TO BE INSULATED Y	TO BE INSULATED N

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N	IN SERVICE Y	IN SERVICE N	TO BE REMOVED Y	TO BE REMOVED N	REMOVED Y	REMOVED N	JUNK Y	JUNK N	TO BE INSULATED Y	TO BE INSULATED N

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N	IN SERVICE Y	IN SERVICE N	TO BE REMOVED Y	TO BE REMOVED N	REMOVED Y	REMOVED N	JUNK Y	JUNK N	TO BE INSULATED Y	TO BE INSULATED N

DURENE

K 007626

X = Asbestos X = Service
X = Reinsul. X = Remove

MASTER EQUIPMENT LI

Durene 0484

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N	IN SERVICE Y	IN SERVICE N	TO BE REMOVED Y	TO BE REMOVED N	REMOVED Y	REMOVED N	JUNK Y	JUNK N	TO BE INSULATED Y	TO BE INSULATED N	
FA 2101	filter Drum Precooler		X		X			X					X		
EA 2102 A	exchanger Precooler		X		X			X					X		
EA 2102B	exchanger		X		X			X					X		
FA 2105	Oil Pot (Water Knock out Pot)		X		X			X					X		
TK 2104	FB 2102 Storage tank		X		X			X					X		
TK FB 2102	FB 2102 Storage tank		X		X			X					X		
TK FB 2103	FB 2103 Storage tank		X		X			X					X		
EA 2101	A-B-C-E-F-G-H exchanger		X		X			X					X		
FA 2103	hot flush Pot		X		X			X					X		C
FA 2113	vessel		X		X			X					X		
FA 2114	"		X		X			X					X		
FA 213	filter Pot		X		X			X					X		
FA 214	" " Accumulator		X		X			X					X		
FD 2101	melt tank		X		X			X					X		
GB 2101	A-B filter Pot 2nd Stage filter Drain			X	X			X						I	C
GB 2101	B-C filter Pot B+C		X		X			X					X		
FA 2103	hot flush Pot		X		X			X					X		
EA 2102	exchanger		X		X			X					X		
EA 2102G	exchanger		X		X			X					X		
EA 2101	A-B-C-D exchanger		X		X			X					X		

K 007627

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N	IN SERVICE Y	IN SERVICE N	TO BE REMOVED Y	TO BE REMOVED N	REMOVED Y	REMOVED N	JUNK Y	JUNK N	TO BE INSULATED Y	TO BE INSULATED N

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N	IN SERVICE Y	IN SERVICE N	TO BE REMOVED Y	TO BE REMOVED N	REMOVED Y	REMOVED N	JUNK Y	JUNK N	TO BE INSULATED Y	TO BE INSULATED N

K 007629

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N	IN SERVICE Y	IN SERVICE N	TO BE REMOVED Y	TO BE REMOVED N	REMOVED Y	REMOVED N	JUNK Y	JUNK N	TO BE INSULATED Y	TO BE INSULATED N

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N	IN SERVICE Y	IN SERVICE N	TO BE REMOVED Y	TO BE REMOVED N	REMOVED Y	REMOVED N	JUNK Y	JUNK N	TO BE INSULATED Y	TO BE INSULATED N

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N	IN SERVICE Y	IN SERVICE N	TO BE REMOVED Y	TO BE REMOVED N	REMOVED Y	REMOVED N	JUNK Y	JUNK N	TO BE INSULATED Y	TO BE INSULATED N

K 007632

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N	IN SERVICE Y	IN SERVICE N	TO BE REMOVED Y	TO BE REMOVED N	REMOVED Y	REMOVED N	JUNK Y	JUNK N	TO BE INSULATED Y	TO BE INSULATED N

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N	IN SERVICE Y	IN SERVICE N	TO BE REMOVED Y	TO BE REMOVED N	REMOVED Y	REMOVED N	JUNK Y	JUNK N	TO BE INSULATED Y	TO BE INSULATED N

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N	IN SERVICE Y	IN SERVICE N	TO BE REMOVED Y	TO BE REMOVED N	REMOVED Y	REMOVED N	JUNK Y	JUNK N	TO BE INSULATED Y	TO BE INSULATED N

21 P. Equipment

MASTER EQUIPMENT LI

CAT

X=Asbestos X=Service
X=Reinsulate X=Remove
C=Complete

MASTER EQUIPMENT LI

CAT 0402

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N	IN SERVICE Y	IN SERVICE N	TO BE REMOVED Y	TO BE REMOVED N	REMOVED Y	REMOVED N	JUNK Y	JUNK N	TO BE INSULATED Y	TO BE INSULATED N	
BA 101	RAW oil Ch. Heater s		X		X				X		X			X	C
BF 101	C. O. Boiler s		X		X				X		X			X	C
BG 102	Boiler FAN			X	X				X		X			X	C
EA 441	Reboiler			X	X			X						I	C
EA 434	EXCHANGER A+B			X	X			X						I	C
EA 214	EXCHANGER stripped		X			X		X					X		C
EA 220	CAT splitter Reboiler stripped EXCHANGER		X			X		X					X		C
EA 221	EXCHANGER (Cooler)				X			X						P	C
EA 425	EXCHANGER			X	X			X						I	C
EA 2300	EXCHANGER		X		X			X					X		
EA 245	ECHANGER			X				X						I	C
EA 182B	Reboiler			X	X			X						I	C
EA 122A	Reboiler			X	X			X						I	C
EA 109	ECHANGER		X		X			X					X		
EA 421	EXCHANGER		X		X			X					X		C
EA 106	EXCHANGER		X		X			X					X		
EA 102B	EXCHANGER		X		X			X					X		
EA 135	EXCHANGER			X	X			X						I	C
EA 125	EXCHANGER			X	X			X						I	C
DA 925	STRIPPER TOWER stripped						X						X		C
DA 417	tower Cumene Col. stripped		X			X		X						X	C
DA 418	Reatifier stripped		X			X	X							X	C

K 007637

MASTER EQUIPMENT LI

CAT

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N	IN SERVICE Y	IN SERVICE N	TO BE REMOVED Y	TO BE REMOVED N	REMOVED Y	REMOVED N	JUNK Y	JUNK N	TO BE INSULATED Y	TO BE INSULATED N	
EA 426	EXCHANGER same		X			X		X						X	G
EA 431	Preheater		X			X		X						X	
DA 404	-A+B- Reactor #1 + #2	on job completed schedule	X			X		X						X	C
FA 405	Deethanizer Reboiler	1+2	X			X	X				X			X	C
EA 426	Reboiler	striped	X			X		? X						?	C
RF 101	CAT hopper		X		X			X						X	C
01.J3	hogging ejector		X			X		X					X		
DA 405	tower - Depropanizer	sample # 936	X		X			X					X		
EA 406	Depropanizer Reboiler		X			X		X					X		
FD 408	Rectifier Bottoms			X	X			X					X		C
DA 423	Rectifier tower			X	X			X						X	C
FD 407	#4 Reactor filter Pot			X	X			X						X	C
FD 403	? filter Pot		X			X		?						X	?
EA 434	exchanger			X	X			X						X	C
FA 208	fuel Gas Drum				X			X						P	C
FA 206	splitter O/H Receiver				X			X						P	C
FF 421	water Knockout Pot			X	X			X						X	C
DA 416	Tower Cumene Column #1		X		X			X					X		
DA 415	Tower #4 Reactor		X		X			X					X		C
FA 417	Acid Knockout Drum			X	X			X						X	C
EA 210	Condenser				X			X						R	C
EA 263	[illegible]			X	X			X						X	C
EA 260	exchanger			X	X		X							X	C

K 007638

MASTER EQUIPMENT LI

CAT

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N	IN SERVICE Y	IN SERVICE N	TO BE REMOVED Y	TO BE REMOVED N	REMOVED Y	REMOVED N	JUNK Y	JUNK N	TO BE INSULATED Y	TO BE INSULATED N	
EA 217	A+B Cooler				X			X						P	C
EA 2306	Cooler				X			X						P	C
DA 404A	#1 Reactor 6/28/91 F		X		X			X					?		C
DA 404B	# 2 Reactor F		X		X			X					?		C
FD 410B	Slurry filter			X	X			X						I	C
FD 410A	" "			X	X			X						I	C
FA 220	Depro. Rebailer Cond. Recvr.			X	X			X						I	C
EA 134	exchanger			X	X			X						I	C
DA 423	Tower (Cumene)			X				X						I	C
FA 115	Tower (Condensate Sept.?)			X				X							C
DA 408	Deethanizer Tower			X		X	X				X			X	C
DA 102	Light cut Stripper		X			X		X					X		
DC 102	Reactor			X	X			X						I	C
EA 422	A+B exchanger			X	X			X						X	C
EA 708	exchanger				X			X						P	C
EA 102	B exchanger		X		X			X					X		
EA 101	exchanger (Oil Cooler)				X			X						P	C
EA 125	exchanger			X	X			X						X	C
EA 205	exchanger (Reboiler)		X		X			X					X		
EA 206	exchanger		X		X			X					X		
EA 203	exchanger				X			X						P	C
EA 207	exchanger				X			X						P	C
EA 208	exchanger ?		X		X			(X)					X		

K 007639

MASTER EQUIPMENT LI

CAT + VRU

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N	IN SERVICE Y	IN SERVICE N	TO BE REMOVED Y	TO BE REMOVED N	REMOVED Y	REMOVED N	JUNK Y	JUNK N	TO BE INSULATED Y	TO BE INSULATED N	
EA 422	EXCHANGER				X			X						P	C
EA 439	EXCHANGER		X		X			X						X	C
EA 401 B	EXCHANGER				X			X						P	C
EA 433	A+B EXCHANGER			X	X			X						X	C
EA 414	EXCHANGER				X			X						P	C
EA 1702	EXCHANGER				X			X						P	C
EA 219	EXCHANGER A+B				X			X						P	C
FA 114	Knock out Drum			X	X			X						X	C
FA 115	Condensate Separator			X	X			X						X	C
FE 102	Hopper				X			X						E	C
FA 135	Surge Tank			X	X			X						X	C
FA 105	Steam Drum		X		X			X					X		
DA 101	Tower		X		X			X					X		
DA 201B	#3 Stripper tower		X		X			X					X		
DA 202	Sponge Absorber ?			X	X			X					X		C
DA 203	Debutanizer		X		X			X					X		
DA 204	Depropanizer (1ERU)		X		X			X					X		
FA 220	Condensate Recover			X	X			X						X	C
EA 496	EXCHANGER			X	X			X						X	C
EA 226	EXCHANGER (VRU) Stripper Rebailer		X		X			X						X	
EA 227	EXCHANGER (VRU) Stripper Rebailer		X		X			X						X	
EA 224	Gasoline VRU EXCHANGER			X	X			X						I	C
EA 242	Debutanizer (VRU) EXCHANGER			X	X			X						I	C

K 007640

MASTER EQUIPMENT LI

Cat + VRU

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N	IN SERVICE Y	IN SERVICE N	TO BE REMOVED Y	TO BE REMOVED N	REMOVED Y	REMOVED N	JUNK Y	JUNK N	TO BE INSULATED Y	TO BE INSULATED N	
EA 235	(VRU). Depropanizer Reboiler			X	X			X						I	C
DA 211	# (VRU) 2 Stripper Tower			X	X			X						I	C
EA ~~428~~	Cumene reboiler		X		X					X		X	X		C
DA 208				X											
EA 226			X												
EA 227				X											
EA 442				X											
EA 224				X											
DA 207				X											
DA 218				X											
EA 235				X											
EA 502				X											

K 007641

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N	IN SERVICE Y	IN SERVICE N	TO BE REMOVED Y	TO BE REMOVED N	REMOVED Y	REMOVED N	JUNK Y	JUNK N	TO BE INSULATED Y	TO BE INSULATED N

MASTER EQUIPMENT LI

K 007643

MASTER EQUIPMENT LI

Pseudo Cumene

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N	IN SERVICE Y	IN SERVICE N	TO BE REMOVED Y	TO BE REMOVED N	REMOVED Y	REMOVED N	JUNK Y	JUNK N	TO BE INSULATED Y	TO BE INSULATED N
EA 2700	Prefractionation Column		X		X			X					X	
FA 2700	Prefractionation O.H. Accum.		X		X			X					X	
FA 2701	Recovery Column O.H. Accm.		X		X			X					X	

K 007644

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N	IN SERVICE Y	IN SERVICE N	TO BE REMOVED Y	TO BE REMOVED N	REMOVED Y	REMOVED N	JUNK Y	JUNK N	TO BE INSULATED Y	TO BE INSULATED N

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N	IN SERVICE Y	IN SERVICE N	TO BE REMOVED Y	TO BE REMOVED N	REMOVED Y	REMOVED N	JUNK Y	JUNK N	TO BE INSULATED Y	TO BE INSULATED N

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS		IN SERVICE		TO BE REMOVED		REMOVED		JUNK		TO BE INSULATED	
			Y	N	Y	N	Y	N	Y	N	Y	N	Y	N

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N	IN SERVICE Y	IN SERVICE N	TO BE REMOVED Y	TO BE REMOVED N	REMOVED Y	REMOVED N	JUNK Y	JUNK N	TO BE INSULATED Y	TO BE INSULATED N

K 007648

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N	IN SERVICE Y	IN SERVICE N	TO BE REMOVED Y	TO BE REMOVED N	REMOVED Y	REMOVED N	JUNK Y	JUNK N	TO BE INSULATED Y	TO BE INSULATED N

[illegible] EQUIPMENT LI

Penex

K 007650

X = WAS Asbestos X = Service
X = Reinsulate X = Removed
P = Painted

MASTER EQUIPMENT LI

PeNex 0434

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N	IN SERVICE Y	IN SERVICE N	TO BE REMOVED Y	TO BE REMOVED N	REMOVED Y	REMOVED N	JUNK Y	JUNK N	TO BE INSULATED Y	TO BE INSULATED N	
	Penex	0434													
EA 2449	EXCHANGER			X	X			X							C
EA 2450	EXCHANGER			X	X			X							C
EA 2457	EXCHANGER			X	X			X							C
EA 2452	EXCHANGER			X	X			X							C
EA 2454	EXCHANGER			X	X			X						P	C
EA 1302B	inlet & outlet lines		X		X			X					X		
EA 1502	exchanger			X				X					X	X	C
EA 1301	exchanger			X				X						X	C

K 007651

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS			IN SERVICE			TO BE REMOVED			REMOVED			JUNK			TO BE INSULATED		
			Y	N		Y	N		Y	N		Y	N		Y	N		Y	N	

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS			IN SERVICE			TO BE REMOVED			REMOVED			JUNK			TO BE INSULATED		
			Y	N		Y	N		Y	N		Y	N		Y	N		Y	N	

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N	IN SERVICE Y	IN SERVICE N	TO BE REMOVED Y	TO BE REMOVED N	REMOVED Y	REMOVED N	JUNK Y	JUNK N	TO BE INSULATED Y	TO BE INSULATED N

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N	IN SERVICE Y	IN SERVICE N	TO BE REMOVED Y	TO BE REMOVED N	REMOVED Y	REMOVED N	JUNK Y	JUNK N	TO BE INSULATED Y	TO BE INSULATED N

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N	IN SERVICE Y	IN SERVICE N	TO BE REMOVED Y	TO BE REMOVED N	REMOVED Y	REMOVED N	JUNK Y	JUNK N	TO BE INSULATED Y	TO BE INSULATED N

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N	IN SERVICE Y	IN SERVICE N	TO BE REMOVED Y	TO BE REMOVED N	REMOVED Y	REMOVED N	JUNK Y	JUNK N	TO BE INSULATED Y	TO BE INSULATED N

MASTER EQUIPMENT LI

ULTRAFORMER

K 007658

X= WAS Asbestos X= Service
X=reinsulated X= Removed
P= Painted

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N	IN SERVICE Y	IN SERVICE N	TO BE REMOVED Y	TO BE REMOVED N	REMOVED Y	REMOVED N	JUNK Y	JUNK N	TO BE INSULATED Y	TO BE INSULATED N	
	ULTRAformer	0413													
FA 2412	Steam blow down drum	413	X			X							X		C
FA 2404	Steam Gen		X			X							X		C
BA 2400	ULTRA. ReGen. Heater 2400-2401-2402-2403-2404		X			X							X		C
DA 2400	Stabilizer tower		X		X								X		C
EA 2401D	EXCHANGER			X		X		X						I	C
EA 2401B	EXCHANGER		X			X							X		C
EA 2402B	EXCHANGER			X				X						P	C
EA 2402A	EXCHANGER			X				X						P	C
	the ULTRAformer is 98% Asbestos free The ONLY Asbestos left is one 150# Steam line & Condensate line Complete														
	HDS														
EA 2404	ULTRA. EXCHANGERS A+B EXCHANGER		X			X							X		C

K 007659

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N	IN SERVICE Y	IN SERVICE N	TO BE REMOVED Y	TO BE REMOVED N	REMOVED Y	REMOVED N	JUNK Y	JUNK N	TO BE INSULATED Y	TO BE INSULATED N

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N	IN SERVICE Y	IN SERVICE N	TO BE REMOVED Y	TO BE REMOVED N	REMOVED Y	REMOVED N	JUNK Y	JUNK N	TO BE INSULATED Y	TO BE INSULATED N

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N	IN SERVICE Y	IN SERVICE N	TO BE REMOVED Y	TO BE REMOVED N	REMOVED Y	REMOVED N	JUNK Y	JUNK N	TO BE INSULATED Y	TO BE INSULATED N

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS			IN SERVICE			TO BE REMOVED			REMOVED			JUNK			TO BE INSULATED		
			Y	N		Y	N		Y	N		Y	N		Y	N		Y	N	

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N	IN SERVICE Y	IN SERVICE N	TO BE REMOVED Y	TO BE REMOVED N	REMOVED Y	REMOVED N	JUNK Y	JUNK N	TO BE INSULATED Y	TO BE INSULATED N

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N	IN SERVICE Y	IN SERVICE N	TO BE REMOVED Y	TO BE REMOVED N	REMOVED Y	REMOVED N	JUNK Y	JUNK N	TO BE INSULATED Y	TO BE INSULATED N

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N	IN SERVICE Y	IN SERVICE N	TO BE REMOVED Y	TO BE REMOVED N	REMOVED Y	REMOVED N	JUNK Y	JUNK N	TO BE INSULATED Y	TO BE INSULATED N

Pump House

K 007667

X = Asbestos X = Reinsulate
X = service X = Removed

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N	IN SERVICE Y	IN SERVICE N	TO BE REMOVED Y	TO BE REMOVED N	REMOVED Y	REMOVED N	JUNK Y	JUNK N	TO BE INSULATED Y	TO BE INSULATED N
	Pump House													
FB 130	Transite Pipe Removed		X			X			X		X			X

C

K 007668

P.X, 2, 3, Isom

X = Asbestos X = Reinsulate
X = Service X = Remove

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N	IN SERVICE Y	IN SERVICE N	TO BE REMOVED Y	TO BE REMOVED N	REMOVED Y	REMOVED N	JUNK Y	JUNK N	TO BE INSULATED Y	TO BE INSULATED N	
	PX #2 #3 + ISOM UNITS		Y	N	Y	N	Y	N	Y	N	Y	N	Y	N	
DC 2501	REACTOR ✓		X			X		X					X		C
DC 2201	OCT. REACTOR PAINTED ✓		X			X		X					X		C
EA 2201	EXCHANGER (Needs to be insulated) ✓		X			X		X					X		C
EA 2502	A, B, C, D + E EXCHANGER ✓		X		X			X					X		
?	ISOM HEATER (ALL LINES ✓)		X		X			X					X		
EA 2501	A + B EXCHANGERS ✓		X		X			X					X		
EA 2504	A, B, + C EXCHANGERS ✓			X	X			X					X	X	C
EA 2503	A + B EXCHANGERS ✓				X			X					P		C
DA 2551	C 2 STILL (ETHANE ST. II)		X			X		X					X		C
FD 2553	A + B XYLENE FEED DRIER		X			X		X						X	C
DA 2501	TOWER		X		X		X						X		
FA 2575	FLASH DRUM			X	X			X					X		C
EA 2557	PUMP		X			X		X					X		
FD 2553	XYLENE DRIER		X		X			X					X		C
FD 2554	XYLENE DRIER		X			X		X					X		C
EA 2552	EXCHANGER			X	X			X							C
FA 2559	[illegible]		X		X			X					X		
DA 2202	TOWER SPLITTER		X		X			X					X		
DA 2201	TOWER STABILIZER		X			X		X					X		
EA 2216	EXCHANGER		X		X			X					X		
EA 2206	EXCHANGER		X		X			X					X		
FA 2575	FLASH DRUM			X				X						I	C
FA 2502	REFLUX DRUM		X		X			X					X		

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N	IN SERVICE Y	IN SERVICE N	TO BE REMOVED Y	TO BE REMOVED N	REMOVED Y	REMOVED N	JUNK Y	JUNK N	TO BE INSULATED Y	TO BE INSULATED N	
EA 2506	A+B EXCHANGER		X		X			X					X		
EA 2564	EXCHANGER		X		X			X					X		
GB 2553	Oil Drum			X	X			X						I	C
EA 2551	EXCHANGER		X		X			X					X		
EA 2102	C Hydrogen make up Drier			X	X			X						I	C
DA 2201	Tower splitter /		X		X			X					X		
EA 2216	EXCHANGER		X		X			X					X		
DA 2507	Tower		X		X			X					X		
FA 2502	Toluene Column		X		X			X					X		
EA 2102	A B C MAKEUP Driers			X				X						X	C
FD 2502	make up Dryer			X				X						X	C
EA 2207	melt heater		X		X			X					X		C
EA 2203	Filtrate heater		X		X			X					X		C
EA 2205	1ST STAGE melt heater		X			X		X					X		C

K 007671

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N	IN SERVICE Y	IN SERVICE N	TO BE REMOVED Y	TO BE REMOVED N	REMOVED Y	REMOVED N	JUNK Y	JUNK N	TO BE INSULATED Y	TO BE INSULATED N

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N	IN SERVICE Y	IN SERVICE N	TO BE REMOVED Y	TO BE REMOVED N	REMOVED Y	REMOVED N	JUNK Y	JUNK N	TO BE INSULATED Y	TO BE INSULATED N

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N	IN SERVICE Y	IN SERVICE N	TO BE REMOVED Y	TO BE REMOVED N	REMOVED Y	REMOVED N	JUNK Y	JUNK N	TO BE INSULATED Y	TO BE INSULATED N

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N		IN SERVICE Y	IN SERVICE N		TO BE REMOVED Y	TO BE REMOVED N		REMOVED Y	REMOVED N		JUNK Y	JUNK N		TO BE INSULATED Y	TO BE INSULATED N

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N		IN SERVICE Y	IN SERVICE N		TO BE REMOVED Y	TO BE REMOVED N		REMOVED Y	REMOVED N		JUNK Y	JUNK N		TO BE INSULATED Y	TO BE INSULATED N

1 Platformer

K 007677

X=Asbestos X=Service
X=Reinsulate X=Remove

MASTER EQUIPMENT LI

Platformer 0411

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N	IN SERVICE Y	IN SERVICE N	TO BE REMOVED Y	TO BE REMOVED N	REMOVED Y	REMOVED N	JUNK Y	JUNK N	TO BE INSULATED Y	TO BE INSULATED N	
F.A 1302	—Prefractionator— BTX Splitter Reb. Heater		X			X			X		X		X		C
DC 1201	Reactor (Unifiner)		X			X	X							X	C

K 007678

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N	IN SERVICE Y	IN SERVICE N	TO BE REMOVED Y	TO BE REMOVED N	REMOVED Y	REMOVED N	JUNK Y	JUNK N	TO BE INSULATED Y	TO BE INSULATED N

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N	IN SERVICE Y	IN SERVICE N	TO BE REMOVED Y	TO BE REMOVED N	REMOVED Y	REMOVED N	JUNK Y	JUNK N	TO BE INSULATED Y	TO BE INSULATED N

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N	IN SERVICE Y	IN SERVICE N	TO BE REMOVED Y	TO BE REMOVED N	REMOVED Y	REMOVED N	JUNK Y	JUNK N	TO BE INSULATED Y	TO BE INSULATED N

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N	IN SERVICE Y	IN SERVICE N	TO BE REMOVED Y	TO BE REMOVED N	REMOVED Y	REMOVED N	JUNK Y	JUNK N	TO BE INSULATED Y	TO BE INSULATED N

MASTER EQUIPMENT LI

X=Asbestos X=Service
X=Reinsulate

MASTER EQUIPMENT LI

AIKAR

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N	IN SERVICE Y	IN SERVICE N	TO BE REMOVED Y	TO BE REMOVED N	REMOVED Y	REMOVED N	JUNK Y	JUNK N	TO BE INSULATED Y	TO BE INSULATED N	
DC 1801	Reactor	C	X		X			X					X		C
DC 1802	Reactor	C	X		X			X					X		C
DC 1803	Reactor	C	X			X				X				X	C
FA 1805	Vessel - Dryer-feed Deum	C	X		X			X		X			X		C
EA 1811	A+B Vessle	C		X										P	C
EA 1824A	exchANGER	C	X		X			X					X		C
EH 1829B	exchANGER	C	X		X			X					X		C
EA 1830	exchANGER Feed Heater 5th Rr. 6-11-96	C	X		X			X					X		C
EA 1828	exchANGER GAS feed Heater	C	X		X			X					X		C
EA 1810	exchANGER	C	X		X			X					X		C
EA 1809	exchANGER	C	X		X			X					X		C
EA 1804	exchANGER	C	X		X			X					X		C
DA 1801	Tower	C		X	X			X						X	C
DA 1802	Tower (Top head only) ① Amine Regenerator	C	X			X		X						X	C
DA 1808	Tower	C		X	X			X						X	C
DA 1815	Tower	C		X	X			X						X	C
EA 1803	exchANGER	C	X		X			X					X		C
EA 1840	A+B exchANGER	C		X				X						P	C
EA 1839	A+B+C exchANGER	C		X				X						P	C
EA 1XIIB	exchANGER 6-14-96	C	X			X		X					X		C
EA 631	exchANGER (Feed Heater	C	X		X			X					X		C
EA 1835	Poly Alkyl Col. Reboiler	C	X		X			X					X		C
EA 18?1	exchANGER splitter Reboiler	C	X		X			X					X		C

MASTER EQUIPMENT LI

ALKAR

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N	IN SERVICE Y	IN SERVICE N	TO BE REMOVED Y	TO BE REMOVED N	REMOVED Y	REMOVED N	JUNK Y	JUNK N	TO BE INSULATED Y	TO BE INSULATED N	
EA 1803	Pre heater		X		X		X						X		C
EA 1808	exchanger		X		X		X						X		C
DA 1811	Top + Bottom heads only		X		X		X						X		C
DA 1813	" " " "		X		X		X						X		C
EA 1838	Stripper Reboiler (Amine)		X		X		X						X		STRIP
FA 1812	Accumulator		X		X		X						X		C
DA 1810	BF3 stripper ② **		X		X		X						X		C
DA 1820	Ethyl Alky Tower Column ③		X		X		X						X		C
EA 1822	Benzene Reboiler * ④		X		X		X						X		
EA 1820	Benzene Drying Column *		X		X		X						X		C
EA 1818	Benzene Recycle Treater		X		X		X						X		C
EA 1819	Benzene Recycle treater		X		X		X						X		C
EH 1817A	Reboiler ⑤		X		X		X						X		
DA 1810	BF3 Stripper *		X		X		X						X		
EA 1812	BF3 exchanger		X		X		X						X		C
EA 1814	exchanger-BF3 Stripper		X		X		X						X		
EA 1820	exchanger		X		X		X						X		

K 007685

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N	IN SERVICE Y	IN SERVICE N	TO BE REMOVED Y	TO BE REMOVED N	REMOVED Y	REMOVED N	JUNK Y	JUNK N	TO BE INSULATED Y	TO BE INSULATED N

K 007686

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N		IN SERVICE Y	IN SERVICE N		TO BE REMOVED Y	TO BE REMOVED N		REMOVED Y	REMOVED N		JUNK Y	JUNK N		TO BE INSULATED Y	TO BE INSULATED N

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N	IN SERVICE Y	IN SERVICE N	TO BE REMOVED Y	TO BE REMOVED N	REMOVED Y	REMOVED N	JUNK Y	JUNK N	TO BE INSULATED Y	TO BE INSULATED N

K 007688

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N	IN SERVICE Y	IN SERVICE N	TO BE REMOVED Y	TO BE REMOVED N	REMOVED Y	REMOVED N	JUNK Y	JUNK N	TO BE INSULATED Y	TO BE INSULATED N

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N		IN SERVICE Y	IN SERVICE N		TO BE REMOVED Y	TO BE REMOVED N		REMOVED Y	REMOVED N		JUNK Y	JUNK N		TO BE INSULATED Y	TO BE INSULATED N

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS		IN SERVICE		TO BE REMOVED		REMOVED		JUNK		TO BE INSULATED	
			Y	N	Y	N	Y	N	Y	N	Y	N	Y	N

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS		IN SERVICE		TO BE REMOVED		REMOVED		JUNK		TO BE INSULATED	
			Y	N	Y	N	Y	N	Y	N	Y	N	Y	N

LAIKY

K 007693

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N	IN SERVICE Y	IN SERVICE N	TO BE REMOVED Y	TO BE REMOVED N	REMOVED Y	REMOVED N	JUNK Y	JUNK N	TO BE INSULATED Y	TO BE INSULATED N	
	Alky														
DA 316	Depropanizer			X		X	X							X	C
EA 334	Reboiler			X		X		?						X	C

K 007694

MASTER EQUIPMENT LI

Pseudo Cumene

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N	IN SERVICE Y	IN SERVICE N	TO BE REMOVED Y	TO BE REMOVED N	REMOVED Y	REMOVED N	JUNK Y	JUNK N	TO BE INSULATED Y	TO BE INSULATED N
EA 2700	Pre Fractionation Column		X		X			X					X	
EA 2700	" " Column Accum.		X		X			X					X	
EA 2701	Recovery Column OH. Acc.		X		X			X					X	

K 007695

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N		IN SERVICE Y	IN SERVICE N		TO BE REMOVED Y	TO BE REMOVED N		REMOVED Y	REMOVED N		JUNK Y	JUNK N		TO BE INSULATED Y	TO BE INSULATED N

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N		IN SERVICE Y	IN SERVICE N		TO BE REMOVED Y	TO BE REMOVED N		REMOVED Y	REMOVED N		JUNK Y	JUNK N		TO BE INSULATED Y	TO BE INSULATED N

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N	IN SERVICE Y	IN SERVICE N	TO BE REMOVED Y	TO BE REMOVED N	REMOVED Y	REMOVED N	JUNK Y	JUNK N	TO BE INSULATED Y	TO BE INSULATED N

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N	IN SERVICE Y	IN SERVICE N	TO BE REMOVED Y	TO BE REMOVED N	REMOVED Y	REMOVED N	JUNK Y	JUNK N	TO BE INSULATED Y	TO BE INSULATED N

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N	IN SERVICE Y	IN SERVICE N	TO BE REMOVED Y	TO BE REMOVED N	REMOVED Y	REMOVED N	JUNK Y	JUNK N	TO BE INSULATED Y	TO BE INSULATED N

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS		IN SERVICE		TO BE REMOVED		REMOVED		JUNK		TO BE INSULATED	
			Y	N	Y	N	Y	N	Y	N	Y	N	Y	N

MASTER EQUIPMENT LI

EQUIP NO.	EQUIPMENT DESCRIPTION	COST CENTER	ASBESTOS Y	ASBESTOS N		IN SERVICE Y	IN SERVICE N		TO BE REMOVED Y	TO BE REMOVED N		REMOVED Y	REMOVED N		JUNK Y	JUNK N		TO BE INSULATED Y	TO BE INSULATED N