APPENDIX E
LEAK SUMMARY

ED_002508A_00001286-00001

USX CLAIRTON COKE WORKS BENZENE NESHAPS LEAKS

GROUP	TAG	CONTROL ROOM	USX ID	FIGURE	TYPE EQUIPMENT	DESCRIPTION	FIRST DATE	FIRST PPM	SECOND DATE	SECOND PPM
A	003	1	C-500	23	DUAL AXI	SEAL GAS RECYCLE LINE DRAIN	30-Aug-90	>10000		
B	044	1	D-203	19	LO DECANTER	LEVEL CONTROL VALVE	30-May-90	1000		
B	046	1	D-203	19	LO DECANTER	MANWAY	11-Dec-89	>10000		
B	069	1	P-202C	19	LO PUMP	PUMP SEAL	19-Nov-90	>10000		
B	086	1	D-202	19	LO DECANTER	RELIEF VALVE	31-Jul-90	>10000		
B	093	1	D-203	19	LO DECANTER	RELIEF VALVE	30-Jul-90	>10000	29-Aug-90	>10000
B	145	1	SSS-2	22	SUP STILL SPIRAL	OUTLET CLEANOUT VALVE	29-Aug-90	>10000		
B	226	1	P207H	21	LO PUMP	PUMP SEAL	29-Aug-90	500		
B	416	1	C155	12	MAIN AXI	SEAL VENT	20-Nov-90	1000		
B	490	1	C-180	17	MAIN AXI	DISCHARGE SEAL	30-Aug-90	>10000		
C	138	2	C-515	28	DUAL AXI	SEAL VENT DRAIN	20-Nov-90	>10000		
C	142	2	C-515	28	DUAL AXI	SEAL GAS RECYCLE DRAIN	30-Aug-90	>10000		
C	313	2	C-533	34	DUAL AXI	SEAL VENT DRAIN	20-Nov-90	>10000		
C	55	2	C506	25	DUAL AXI	SEAL VENT DRAIN	20-Nov-90	3000		
D	427	2	B-426	65	TRANSFER LINE	LO VALVE LO TO BLOWDOWN TANK	13-Dec-89	>10000		
D	431	2	B-426	65	TRANSFER LINE	METHANOL TO BLOWDOWN TANK	27-Jun-90	500 MEOH		
D	460	2	B-426	67	BLOWDOWN TANK	FRONT DRAIN	21-Nov-90	>10000		
D	490	2	P-426	68	TRANSFER PUMP	BLOWDOWN TANK TRANSFER PUMP SEAL	21-Nov-90	3000 V		
E	018	2	E-424	66	HEAT EXCHANGER	INLET TO HEAT EXCHANGER	21-Nov-90	>10000		
E	026	2	E-424	66	COOLER	CLEANOUT ON LO/METHANOL LINE FROM E-424	27-Jun-90	500 V MEOH		
E	103	2	R586	55	LO REGENERATER	504C2 LOADING VALVE	28-Aug-90	>10000 V,A,O	21-Sep-90	2600
E	160	2	R-586	55	LO REGENERATOR	LIGHT OIL WASH HIGH VALVE	21-Nov-90	>10000		
E	201	2	R-586	55	LO REGENERATOR	VENTING NITROGEN INLET CLEANOUT	21-Nov-90	3000		
E	209	2	E-634	50	SUB GAS COOLER	SUB GAS OUTLET VALVE	21-Nov-90	3000		
E	223	2	E-637	50	COOLER	OUTLET CLEANOUT VALVE	31-May-90	2500	27-Jun-90	2500 V
E	230	2	E-638	50	HEAT EXCHANGER	SUB GAS INLET CLEANOUT - LEFT	21-Nov-90	2000		
E	231	2	E-638	50	COOLER	INLET VALVE	31-Aug-90	>10000	31-Oct-90	1000 V
E	238	2	E-638	50	HEAT EXCHANGER	TOP CLEANOUT OUTLET SIDE	21-Nov-90	1000		
E	263	2	E-639	59	HEAT EXCHANGER	GAS INLET CLEANOUT	21-Nov-90	550		
E	288	2	D-604	63	LO DECANTER	CLEANOUT VALVE ON VENT LINE	31-Aug-90	>10000		
E	289	2	D-604	63	LO DECANTER	CLEANOUT VALVE ON VENT LINE	31-Aug-90	>10000		
E	403	2	QUAD 6	74	MAIN QUAD	ACETONE MANIFOLD LEFT FRONT CLEANOUT	27-Jun-90	500 V MEOH		
F	075	2	P-619B	64	LO PUMP	PUMP SEAL	31-May-90	>10000	21-Sep-90	>10000
F	076	2	P-619A	64	LO PUMP	PUMP SEAL	21-Sep-90	3000	20-Nov-90	1000

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USX CLAIRTON COKE WORKS BENZENE NESHAPS LEAKS

GROUP	TAG	THIRD DATE	THIRD PPM	FOURTH DATE	FOURTH PPM	FIFTH DATE	FIFTH PPM	SIXTH DATE	SIXTH PPM	SEVENTH DATE	SEVENTH PPM	EIGHTH DATE
A	003											
B	044											
B	046											
B	069											
B	086											
B	093											
B	145											
B	226											
B	416											
B	490											
C	138											
C	142											
C	313											
C	55											
D	427											
D	431											
D	460											
D	490											
E	018											
E	026											
E	103	31-Oct-90	2300 V									
E	160											
E	201											
E	209											
E	223											
E	230											
E	231	21-Nov-90	>500									
E	238											
E	263											
E	288											
E	289											
E	403											
F	075	31-Oct-90	>10000									
F	076											

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USX CLAIRTON COKE WORKS BENZENE NESHAPS LEAKS

GROUP	TAG	CONTROL ROOM	USX ID	FIGURE	TYPE EQUIPMENT	DESCRIPTION	FIRST DATE	FIRST PPM	SECOND DATE	SECOND PPM
F	098	2	VL-524-C2	64	CONTROL VALVE	LO TRANSFER LINE CONTROL VALVE	12-Dec-89	>10000	27-Jun-90	>10000 V
F	115	2	VL-524-C2	64	CONROL VALVE	CLEANOUT AFTER CONTROL STATION	21-Sep-90	>10000		
F	141	2	D-575	49	LO SEPERATER	CONTROL STATION BYPASS	31-May-90	>10000		
F	181	2	D-602	60	LO SEPERATER	BOTTOM DRAIN CONTROL VALVE	31-May-90	1000	30-Aug-90	>10000 V
F	190	2	D-602	60	LO SEPERATER	DISCHARGE LINE ON LEVEL CONTROL	26-Jun-90	0 V	30-Aug-90	1200
F	204	2	D-624	62	LO SEPERATER	CONTROL STATION BLOCKING VALVE	30-Aug-90	1000		
F	207	2	VL520FF-2"	62	CONTROL VALVE	CONTROL VALVE BYPASS D-624	12-Dec-90	>10,000		

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USX CLAIRTON COKE WORKS BENZENE NESHAPS LEAKS

GROUP	TAG	EIGHTH PPM	NINTH DATE	NINTH PPM	TENTH DATE	TENTH PPM	ELEVENTH DATE	ELEVENTH PPM	TWELFTH DATE	TEWLFTH PPM
A	003									
B	044									
B	046									
B	069									
B	086									
B	093									
B	145									
B	226									
B	416									
B	490									
C	138									
C	142									
C	313									
C	55									
D	427									
D	431									
D	460									
D	490									
E	018									
E	026									
E	103									
E	160									
E	201									
E	209									
E	223									
E	230									
E	231									
E	238									
E	263									
E	288									
E	289									
E	403									
F	075									
F	076									

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USX CLAIRTON COKE WORKS BENZENE NESHAPS LEAKS

GROUP	TAG	THIRD DATE	THIRD PPM	FOURTH DATE	FOURTH PPM	FIFTH DATE	FIFTH PPM	SIXTH DATE	SIXTH PPM	SEVENTH DATE	SEVENTH PPM	EIGHTH DATE
F	098											
F	115											
F	141											
F	181	20-Nov-90	4000 V									
F	190	21-Sep-90	>10000									
F	204											
F	207											

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USX CLAIRTON COKE WORKS BENZENE NESHAPS LEAKS

GROUP	TAG	EIGHTH PPM	NINTH DATE	NINTH PPM	TENTH DATE	TENTH PPM	ELEVENTH DATE	ELEVENTH PPM	TWELFTH DATE	TEWLFTH PPM
F	098									
F	115									
F	141									
F	181									
F	190									
F	204									
F	207									

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