TABLE 100
REGISTRATION OF COMPONENTS IN BENZENE SERVICE TO BARGE DOCK, WEST OF TANK FARM

Tag Identification	Monitoring Frequency	Component Type	Phase	Benzene Concentration	Figure #	Control Room					
9539	Q	V	L	57.6	100	LOS	RECYCLE LINE	PUMPS 1/2	OLD TANK MANIFOLD	BLOCKING VALVE	Y
9583	Q	V O/E	L	57.6	100	LOS	VENT RELEASE	PUMPS 1/2	VENT RELEASE	BLOCKING VALVE	Y
9990	Q	V O/E	L	57.6	100	LOS	DUAL FILTERS	PUMPS 1/2	FILTER #1 CLEANOUT VALVE	ABOVE FILTER #1	
9991	Q	V	L	57.6	100	LOS	DUAL FILTERS	PUMPS 1/2	BLOCKING VALVE TO FILTER	ABOVE FILTER #1	
9992	Q	V	L	57.6	100	LOS	DUAL FILTERS	PUMPS 1/2	BLOCKING VALVE TO FILTER	ABOVE FILTER #2	
9993	Q	V O/E	L	57.6	100	LOS	DUAL FILTERS	PUMPS 1/2	FILTER #2 CLEANOUT VALVE	ABOVE FILTER #2	
9584	Q	V O/E	L	57.6	100	LOS	DOCK FEEDING	PUMPS 1/2	LIGHT OIL BARGE LOADING LINE	CLEANOUT	Y
9585	Q	V O/E	L	57.6	100	LOS	DOCK FEEDING	PUMPS 1/2	LIGHT OIL BARGE LOADING LINE	BLIND	Y
9586	Q	V O/E	L	57.6	100	LOS	KEYSTONE L.O.	PUMPS 1/2	BLIND	BLIND	Y
9588	Q	V O/E	L	57.6	100	LOS	DOCK FEEDING	PUMPS 1/2	LIGHT OIL BARGE LOADING LINE	CLEANOUT	Y
9590	Q	V O/E	L	57.6	100	LOS	DOCK FEEDING	PUMPS 1/2	LIGHT OIL BARGE LOADING LINE	CLEANOUT	Y
9589	Q	V O/E	L	57.6	100	LOS	DOCK FEEDING	PUMPS 1/2	KEYSTONE RETURN LINE/CONT. WATER LINE	CLEANOUT	Y
9985	Q	V	L	57.6	100	LOS	KEYSTONE L.O.	PUMPS 1/2	1" CLEANOUT LINE	FIRST VALVE	Y
9986	Q	V O/E	L	57.6	100	LOS	KEYSTONE L.O.	PUMPS 1/2	1" CLEANOUT LINE	CLEANOUT VALVE	Y
9987	Q	V	L	57.6	100	LOS	KEYSTONE L.O.	PUMPS 1/3	MAIN BLOCKING VALVE TO STORAGE TANKS	BLOCKING VALVE	Y
9988	Q	V	L	57.6	100	LOS	KEYSTONE L.O.	PUMPS 1/4	SECONDARY BLOCKING VALVE TO TANKS 61 THRU 64	BLOCKING VALVE	Y
9989	Q	V	L	57.6	100	LOS	KEYSTONE L.O.	PUMPS 1/5	SECONDARY BLOCKING VALVE TO TANKS 59 AND 60	BLOCKING VALVE	Y
9591	A	V	L	57.6	100	LOS	KEYSTONE L.O.	EAST SIDE	KEYSTONE RETURN LINE/CONT. WATER LINE	BLOCKING-DTM	DTM
9594	A	V	L	57.6	100	LOS	KEYSTONE L.O.	EAST SIDE	KEYSTONE RETURN LINE/CONT. WATER LINE	BLOCKING-DTM	DTM
9592	A	V	L	57.6	100	LOS	DOCK FEEDING	EAST SIDE	LIGHT OIL BARGE LOADING LINE	BLOCKING-DTM	DTM
9593	A	V	L	57.6	100	LOS	DOCK FEEDING	EAST SIDE	LIGHT OIL BARGE LOADING LINE	BLOCKING-DTM	DTM
	A,V,O	C(x17)	L	57.6	100	LOS	DOCK FEEDING	GENERAL	FLANGES ON LOADING/CONT. WATER LINES	LOADING LINE	Y
	A,V,O	C	L	57.6	100	LOS	DOCK FEEDING	EAST SIDE	FLANGES ON LOADING/CONT. WATER LINES	LOADING LINE-DTM	DTM

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TABLE 101
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
TO BARGE DOCK, DOWNRIVER

Tag Identification	Monitoring Frequency	Component Type	Phase	Benzene Concentration	Figure #	Control Room				
9400	Q	V	L	57.6	101	BARGE	DOCK FEEDING	LOADING LINE	BLOCKING	Y
9401	Q	V	L	57.6	101	BARGE	DOCK FEEDING	LOADING LINE	INSTRUMENT AIR	Y
9402	Q	V	L	57.6	101	BARGE	DOCK FEEDING	LOADING LINE-V11	BLOCKING	Y
9403	Q	V	L	57.6	101	BARGE	DOCK FEEDING	LOADING LINE-V12	BLOCKING	Y
9404	Q	O/E	G	80.0	101	BARGE	DOCK VAPOR COLLECTION SYSTEM	VAPOR RETURN LINE	FLAME ARRESTOR	Y
9405	Q	V O/E	G	80.0	101	BARGE	DOCK VAPOR COLLECTION SYSTEM	VAPOR RETURN LINE-V1204	CLEANOUT	Y
9406	Q	V	G	80.0	101	BARGE	DOCK VAPOR COLLECTION SYSTEM	VAPOR RETURN LINE	PRESSURE VALVE	Y
9407	A,V,O	C	G	80.0	101	BARGE	DOCK VAPOR COLLECTION SYSTEM	VAPOR RETURN LINE	PRESURE GAUGE	Y
9408	Q	V	G	80.0	101	BARGE	DOCK VAPOR COLLECTION SYSTEM	VAPOR RETURN LINE-V9	BLOCKING	Y
9409	Q	V	G	80.0	101	BARGE	DOCK VAPOR COLLECTION SYSTEM	VAPOR RETURN LINE-AV8	AUTO VALVE	Y
9410	Q	V	G	80.0	101	BARGE	DOCK VAPOR COLLECTION SYSTEM	VAPOR RETURN LINE-AV7	AUTO VALVE	Y
9411	Q	V	G	80.0	101	BARGE	DOCK VAPOR COLLECTION SYSTEM	VAPOR RETURN LINE-AV6	AUTO VALVE	Y
9412	Q	V	G	80.0	101	BARGE	DOCK VAPOR COLLECTION SYSTEM	VAPOR RETURN LINE	CHECK VALVE	Y
9413	Q	V	G	80.0	101	BARGE	DOCK VAPOR COLLECTION SYSTEM	VAPOR RETURN LINE	STEAM IN	Y
9414	Q	V	G	80.0	101	BARGE	DOCK VAPOR COLLECTION SYSTEM	VAPOR RETURN LINE	CHECK VALVE	Y
9415	Q	V	G	80.0	101	BARGE	DOCK VAPOR COLLECTION SYSTEM	VAPOR RETURN LINE-AV4	AUTO VALVE	Y
9416	Q	V	G	80.0	101	BARGE	DOCK VAPOR COLLECTION SYSTEM	VAPOR RETURN LINE	BLOCKING	Y

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TABLE 103
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
CONTAMINATED WATER DISCHARGE SYSTEM

Tag Identification	Monitoring Frequency	Component Type	Phase	Benzene Concentration	Figure #	Control Room					
9540	Q	V O/E	L	7.5	103	LOS	CONTAM WATER	SUCTION	CLEANOUT	MAIN HEADER LINE	Y
9541	Q	V	L	7.5	103	LOS	CONTAM WATER	SUCTION	BLOCKING	MAIN HEADER LINE	Y
9542	Q	V O/E	L	7.5	103	LOS	CONTAM WATER	SUCTION	CLEANOUT	MAIN HEADER LINE	Y
9543	Q	V	L	7.5	103	LOS	CONTAM WATER	SUCTION	RECIRCULATION	MAIN HEADER LINE	Y
9544	Q	V O/E	L	7.5	103	LOS	CONTAM WATER	SUCTION	RECIRCULATION CLEANOUT	MAIN HEADER LINE	Y
9545	Q	V	L	7.5	103	LOS	CONTAM WATER	SUCTION	RECIRCULATION	MAIN HEADER LINE	Y
9546	Q	V	L	7.5	103	LOS	CONTAM WATER	SUCTION	BLOCKING	MAIN HEADER LINE	Y
9547	Q	V	L	7.5	103	LOS	CONTAM WATER	SUCTION	BLOCKING	P-2 INLET LINE	Y
9548	Q	V	L	7.5	103	LOS	CONTAM WATER	SUCTION	SAMPLE/DRAIN	P-2 INLET LINE	Y
9549	Q	V O/E	L	7.5	103	LOS	CONTAM WATER	SUCTION	SAMPLE/DRAIN O/E VALVE	P-2 INLET LINE	Y
9550	M	P	L	7.5	103	LOS	CONTAM WATER	P-2	CONTAMINATED WATER DISCHARGE PUMP	PUMP SEAL	Y
9551	Q	V	L	7.5	103	LOS	CONTAM WATER	DISCHARGE	SAMPLE	P-2 DISCHARGE LINE	Y
9552	Q	V O/E	L	7.5	103	LOS	CONTAM WATER	DISCHARGE	SAMPLE O/E	P-2 DISCHARGE LINE	Y
9553	Q	V O/E	L	7.5	103	LOS	CONTAM WATER	DISCHARGE	SAMPLE O/E	P-2 DISCHARGE LINE	Y
9554	Q	V	L	7.5	103	LOS	CONTAM WATER	DISCHARGE	CHECK VALVE	P-2 DISCHARGE LINE	Y
9555	Q	V	L	7.5	103	LOS	CONTAM WATER	DISCHARGE	BLOCKING	P-2 DISCHARGE LINE	Y
9556	Q	V	L	7.5	103	LOS	CONTAM WATER	SUCTION	BLOCKING	P-1 INLET LINE	Y
9557	Q	V O/E	L	7.5	103	LOS	CONTAM WATER	SUCTION	CLEANOUT	P-1 INLET LINE	Y
9566	Q	V	L	7.5	103	LOS	CONTAM WATER	SUCTION	STEAM INLET	P-1 INLET LINE	Y
9560	M	P	L	7.5	103	LOS	CONTAM WATER	P-1	CONTAMINATED WATER DISCHARGE PUMP	PUMP SEAL	Y
9561	Q	V	L	7.5	103	LOS	CONTAM WATER	DISCHARGE	SAMPLE BLOCKING	P-1 DISCHARGE LINE	Y
9562	Q	V O/E	L	7.5	103	LOS	CONTAM WATER	DISCHARGE	SAMPLE DRAIN O/E VALVE	P-1 DISCHARGE LINE	Y
9563	Q	V O/E	L	7.5	103	LOS	CONTAM WATER	DISCHARGE	SAMPLE DRAIN O/E VALVE	P-1 DISCHARGE LINE	Y
9564	Q	V	L	7.5	103	LOS	CONTAM WATER	DISCHARGE	PRESSURE VALVE	P-1 DISCHARGE LINE	Y
9565	A,V,O	C	L	7.5	103	LOS	CONTAM WATER	DISCHARGE	PRESSURE GAUGE	P-1 DISCHARGE LINE	Y
9567	Q	V	L	7.5	103	LOS	CONTAM WATER	DISCHARGE	CHECK VALVE	P-1 DISCHARGE LINE	Y
9568	Q	V	L	7.5	103	LOS	CONTAM WATER	DISCHARGE	BLOCKING	P-1 DISCHARGE LINE	Y
9569	Q	V O/E	L	7.5	103	LOS	CONTAM WATER	DISCHARGE	CLEANOUT	P-1 DISCHARGE LINE	Y
9986	Q	V									
9570	A,V,O	C	L	7.5	103	LOS	CONTAM WATER	DISCHARGE	PRESSURE SWITCH	MAIN HEADER LINE	Y
9576	A	V O/E	L	7.5	103	LOS	CONTAM WATER	DISCHARGE	VENT RELIEF VALVE O/E	MAIN HEADER VENT	DTM
9577	UTM	V	L	7.5	103	LOS	CONTAM WATER	DISCHARGE	BLOCKING	TANK LINES	UTM
9578	UTM	V	L	7.5	103	LOS	CONTAM WATER	DISCHARGE	BLOCKING	TANK LINES	UTM
9579	UTM	V	L	7.5	103	LOS	CONTAM WATER	DISCHARGE	BLOCKING	TANK LINES	UTM
9587	Q	V O/E	L	7.5	103	LOS	CONTAM WATER	SUCTION	CLEANOUT	SUCTION BLIND LINE	Y
	A,V,O	C(x11)	L	7.5	103	LOS	CONTAM WATER	GENERAL	UNMARKED FLANGES ON CONTAMINATED WATER SYSTEM	GENERAL	Y