

DERIVATIVES POINT SOURCES WITH POTENTIAL EDC OVEREXPOSURE

WASTE TREATMENT UNIT

<u>UNIT</u>	<u>DESCRIPTION</u>
WTU-TETRA	LSB-II (all streams into 6302/6303)
WTU-TETRA	DH STILL BOTTOMS
WTU-TETRA	BOTTOMS PRODUCT AFTER DRYER
WTU-TETRA	DH PRODUCT TANK
WTU-TETRA	DH FEED TANK
WTU-BTMS	PURCHASED BOTTOMS TRUCKS
WTU-BTMS	BOTTOMS PLANT PRODUCT
WTU-BTMS	WASTE RECOVERY REFLUX
WTU-BTMS	CLEAN-UP REFLUX
WTU-BTMS	BOTTOMS PLANT VENT
WTU-BTMS	BOTTOMS PLANT VENT SCRUBBER
WTU-BTMS	SLUDGE BOX
WTU-BTMS	NORTH CLASSIFIER EFFLUENT, ORGANICS AND SOLIDS
WTU-BTMS	LAB SAMPLE BOX
WTU	NO. 1 WTU STEAM STRIPPER
WTU	NO. 2 WTU STEAM STRIPPER
WTU	NO. 1 CSS STEAM STRIPPER
WTU	NO. 2 CSS STEAM STRIPPER
WTU	301 SEWER
WTU	BAT METAL STRIPPER FEED TANK
WTU	NO. 1 BAT METAL STRIPPER
WTU	NO. 2 BAT METAL STRIPPER
WTU	SOUTH CLASSIFIER EFFLUENT, ORGANICS AND SOLIDS
PER/TRI	REACTOR FEED
PER/TRI	REACTOR VENTS
PER/TRI	REACTOR VAPORIZER BLOWDOWNS
PER/TRI	LAB SAMPLE DRUM
EDC	EDC PRODUCT #2
EDC	NO. 1 EDC STRIPPER FEED
EDC	NO. 1 EDC STRIPPER REFLUX
EDC	NO. 2 EDC STRIPPER FEED
EDC	NO. 2 EDC STRIPPER REFLUX
EDC	NO. 2 EDC STILL BOTTOMS
EDC	EDC PRODUCT BEFORE THE NEUT.
EDC	EDC PRODUCT AFTER THE NEUT.
EDC	RECOVERY STILL FEED
EDC	RECOVERY STILL PRODUCT
EDC	RECOVERY STILL BOTTOMS
EDC	EDC NO. 1 REACTOR LIQUOR
EDC	EDC NO. 2 REACTOR LIQUOR

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EDC	NORTH DOCK STORAGE
EDC	SOUTH DOCK STORAGE
EDC	LAB SAMPLE BOX

TE-II	FURNACE FEED
TE-II	L/P EDC
TE-II	OHC EDC MAKE-UP
TE-II	HEAVY STILL BOTTOMS
TE-II	VC STILL BOTTOMS
TE-II	OHC REACTOR CRUDE
TE-II	LIGHT STILL BOTTOMS
TE-II	STEAM STRIPPER BOTTOMS
TE-II	REACTOR PHASE SEPARATOR
TE-II	EDC AFTER CHLORAL TREAT
TE-II	LIGHT STILL OVERHEADS
TE-II	DH STILL BOTTOMS
TE-II	LIGHTS STORAGE TANKS
TE-II	LAB SAMPLE DRUM

TE-II/MC	RECYCLE STILL REFLUX
TE-II/MC	PRODUCT STILL REFLUX
TE-II/MC	PRODUCT STILL BOTTOMS
TE-II/MC	RECYCLE STILL BOTTOMS
TE-II/MC	MC PRODUCT
TE-II/MC	VINYL STRIPPER BOTTOMS
TE-II/MC	VINYL STRIPPER BOTTOMS
TE-II/MC	VINYL STRIPPER FEED
TE-II/MC	MC REACTOR CRUDE
TE-II/MC	TCE TETRA TANK
TE-II/DCE	DCE STORAGE

VC-II/FURN	FURNACE FEED EDC
VC-II/FURN	HEAVY STILL REFLUX
VC-II/FURN	HEAVY STILL BOTTOMS
VC-II/OHC	LIGHT STILL REFLUX
VC-II/OHC	LIGHT STILL BOTTOMS
VC-II/OHC	DH BOTTOMS
VC-II/OHC	CHLORAL TREAT. PRODUCT
VC-II/OHC	OHC REACTOR CRUDE
VC-II/OHC	EDC RECYCLE
VC-II/OHC	OHC REACTOR VENT
VC-II/EDC	L/P REACTOR REFLUX
VC-II/EDC	L/P REACTOR LIQUOR
VC-II/EDC	L/P REACTOR VENT
VC-II/ST	SOUTH TERMINAL II
VC-II/ST	SOUTH TERMINAL CARBON BED
VC-II/NT	NORTH TERMINAL CARBON BED
VC-II/NT	SAMPLE DRUM

EC/HCL	HEAVY STILL BOTTOMS
SHIPPING	SUMP AND FLUSH TANK

SL 087915

LAKE CHARLES
LEIDEL-BUSCH STATISTICS
FROM: 370101-890228
REPORTED: 03/09/89

CHEM	DEPARTMENT	JOB TITLE	SAMP TYPE	NUM EMP JOB TITLE	NUMBER OF SAMPLES	RANGE	GEOM AVERAGE	PERCENT OVERSTANDARDS	PPG IPEL
EDC	ANCILLARY	MISC. NON-EXEMP	TWA	N/A	3	0.100 TO 0.160	0.117	0.03	5PPM
	COMP MACHN SHOPS	ELECTRICIAN	TWA	N/A	1	0.250 TO 0.250	0.250	.	5PPM
		INSTRUMENTATION MAN	TWA	N/A	1	0.100 TO 0.100	0.100	.	5PPM
		SHIFT REPAIRMAN	TWA	N/A	1	0.100 TO 0.100	0.100	.	5PPM
	CONTRACTOR	CONTRACT LABORER	STEL	N/A	3	28.100 TO 28.100	28.100	.	N/A
		GENERAL WORKER	TWA	N/A	11	0.100 TO 2.280	0.284	5.48	5PPM
	DERIV.-GENERAL	AREA SUPERVISOR	TWA	N/A	19	0.100 TO 0.130	0.101	0.03	5PPM
		ENVIRON. FOREMAN	TWA	N/A	4	0.110 TO 0.300	0.167	0.03	5PPM
		SAFETY SUPERVISOR	TWA	N/A	7	0.100 TO 0.100	0.100	0.03	5PPM
		SHIFT SUPERVISOR	TWA	N/A	9	0.140 TO 0.580	0.231	0.03	5PPM
	EC-VCM-HCL UNIT	AREA SUPERVISOR	TWA	N/A	5	0.100 TO 0.130	0.109	0.03	5PPM
		EC HCL OPERATOR	TWA	4	4	0.100 TO 0.320	0.185	0.03	5PPM
		FOREMAN	TWA	N/A	6	0.100 TO 0.610	0.153	0.03	5PPM
		LEAD OPERATOR	TWA	4	10	0.100 TO 0.410	0.149	0.03	5PPM
	EDC-VDC	AREA SUPERVISOR	TWA	N/A	19	0.100 TO 0.320	0.133	0.03	5PPM
		EDC-VDC OPERATOR	TWA	4	9	0.650 TO 3.640	1.854	5.48	5PPM
		FOREMAN	TWA	N/A	77	0.100 TO 8.030	0.380	0.10	5PPM
		LEAD OPERATOR	TWA	4	9	0.100 TO 2.100	0.371	0.47	5PPM
	LABORATORY	LABORATORY ANALYST	TWA	N/A	8	0.100 TO 0.870	0.320	0.03	5PPM
		LAB SENIOR ANALYST	STEL	N/A	1	7.880 TO 7.880	7.880	.	N/A
		LAB ASSOCIATE	TWA	N/A	8	0.100 TO 0.280	0.123	0.03	5PPM
		LAB. ASSISTANT	TWA	N/A	3	0.100 TO 0.490	0.199	0.03	5PPM
		LAB SENIOR ASSOCIATE	TWA	N/A	1	0.100 TO 0.100	0.100	.	5PPM
	MAJOR MAINTEN.	INSTRUMENTATION MAN	TWA	N/A	9	0.100 TO 0.630	0.163	0.03	5PPM
		LOGBOOK INSTRUM. MAN	TWA	N/A	1	0.100 TO 0.100	0.100	.	5PPM
	PER/TRI UNIT	AREA SUPERVISOR	TWA	N/A	1	0.370 TO 0.370	0.370	.	5PPM
		AUXILIARY OPERATOR	TWA	N/A	8	0.100 TO 0.250	0.152	0.03	5PPM
		FOREMAN	TWA	N/A	2	0.120 TO 0.250	0.173	.	5PPM
		LEAD OPERATOR	TWA	N/A	22	0.100 TO 0.350	0.164	0.03	5PPM
		PER/TRI AUX OPERATOR	TWA	N/A	8	0.100 TO 0.320	0.132	0.03	5PPM
			TWA	4	6	0.100 TO 0.350	0.177	0.03	5PPM

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LAKE CHARLES
LEIDEL-RUSCH STATISTICS
FROM: 870101-890228
REPORTED: 63/09/89

CHEM	DEPARTMENT JOB TITLE	SAMP TYPE	NUM EMP JOB TITLE	NUMBER OF SAMPLES	RANGE	GEOM AVERAGE	PERCENT OVERSTANDARDS	PPG IPEL
EDC	TRI-ETHANE II UNIT							
	AREA SUPERVISOR	TWA	N/A	13	0.160 TO 1.010	0.399	0.03	5PPM
	AUXILIARY OPERATOR	STEL	N/A	2	0.500 TO 2.570	1.111	.	N/A PPM
		TWA	N/A	3	0.540 TO 1.250	0.727	0.03	5PPM
	FOREMAN	TWA	N/A	15	0.220 TO 0.870	0.446	0.03	5PPM
	FURNACE OPERATOR	TWA	N/A	2	0.470 TO 0.860	0.636	.	5PPM
	LEAD OPERATOR	TWA	N/A	33	0.100 TO 2.180	0.477	0.03	5PPM
	MC-DCE OPERATOR	TWA	4	5	0.100 TO 0.620	0.341	0.03	5PPM
	DHC OPERATOR	TWA	4	13	0.390 TO 1.210	0.885	0.03	5PPM
	PROCESS OPERATOR	TWA	N/A	1	0.440 TO 0.440	0.440	.	5PPM
	SUPERVISOR	TWA	N/A	2	0.210 TO 0.310	0.255	.	5PPM
	T.E.2 AUX. OPERATOR	TWA	4	2	0.340 TO 0.570	0.544	.	5PPM
	T.E.2 FURNACE OPER.	TWA	4	7	0.540 TO 0.810	1.586	11.51	5PPM
	T.E.2 LEAD OPERATOR	TWA	4	6	0.440 TO 3.240	0.709	0.47	5PPM
	T.E.2 STABILIZER OPR	TWA	4	6	0.590 TO 0.960	0.761	0.03	5PPM
VCN II								
	AREA SUPERVISOR	TWA	N/A	32	0.100 TO 0.630	0.113	0.03	5PPM
	AUXILIARY OPERATOR	STEL	4	1	3.100 TO 3.100	3.100	.	N/A PPM
		TWA	4	2	1.170 TO 1.307	1.307	.	5PPM
	EDC OPERATOR	TWA	4	43	0.100 TO 0.269	0.269	0.35	5PPM
	EDC LEAD OPERATOR	TWA	4	8	0.050 TO 0.140	0.096	0.03	5PPM
	FOREMAN	TWA	N/A	25	0.100 TO 1.130	0.124	0.03	5PPM
	FURNACE OPERATOR	TWA	4	1	0.100 TO 0.100	0.100	.	5PPM
	LEAD OPERATOR	TWA	N/A	38	0.080 TO 1.200	0.126	0.03	5PPM
	DHC OPERATOR	TWA	4	42	0.100 TO 3.420	0.175	0.03	5PPM
	PROCESS OPERATOR	STEL	4	1	1.200 TO 1.200	1.200	.	N/A PPM
		TWA	4	60	0.100 TO 6.030	0.148	0.03	5PPM
	STORAGE OPERATOR	TWA	4	19	0.100 TO 0.310	0.135	0.03	5PPM
	SUPERVISOR	TWA	N/A	4	0.100 TO 0.130	0.107	0.03	5PPM
	VC AUX. OPERATOR	STEL	N/A	3	5.510 TO 35.900	12.532	.	N/A PPM
		TWA	N/A	11	0.100 TO 5.330	1.240	13.52	5PPM
	VCN LEAD OPERATOR	TWA	4	17	0.100 TO 2.260	0.141	0.03	5PPM
WTU-INCINERATOR								
	AREA SUPERVISOR	TWA	N/A	1	0.100 TO 0.100	0.100	.	5PPM
	AUXILIARY OPERATOR	TWA	4	22	0.100 TO 0.395	0.395	0.62	5PPM
	CPC OPERATOR	TWA	N/A	2	0.130 TO 0.280	0.191	.	5PPM
	FOREMAN	TWA	N/A	26	0.100 TO 0.267	0.267	1.08	5PPM
	INCINERATOR OPERATOR	TWA	4	9	0.100 TO 0.720	0.192	0.03	5PPM
	LEAD OPERATOR	TWA	N/A	2	0.110 TO 0.160	0.133	.	5PPM
	SUPERVISOR	TWA	N/A	4	0.100 TO 0.100	0.100	0.03	5PPM
	TETRA OPERATOR	TWA	N/A	16	0.320 TO 2.840	1.158	3.88	5PPM
	WTU-INCINER. LEAD OP.	TWA	4	7	0.100 TO 0.231	0.231	0.03	5PPM

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LAKE CHARLES
LEIDEL-BUSCH STATISTICS
FROM: 870101-890228
REPORTED: 03/09/89

CHEM	DEPARTMENT	SAMR	NUM EMP	NUMBER OF		GEOM	PERCENT	
	JOB TITLE	TYPE	JOB TITLE	SAMPLES	RANGE	AVERAGE	OVERSTANDARDS	PPG IPEL
EDC	PER/TRI UNIT							
	P/T LEAD OPERATOR	TWA	4	6	0.100 TO 0.310	0.171	0.03	SPPH
	P/T REACT OPERATOR	TWA	4	50	0.100 TO 0.430	0.161	0.03	SPPH
	P/T STILL OPERATOR	TWA	4	8	0.100 TO 0.430	0.156	0.03	SPPH
	PLNT B N. MAINT							
	CARPENTER	TWA	N/A	8	0.100 TO 0.420	0.127	0.03	SPPH
	ELECTRICIAN	TWA	N/A	10	0.100 TO 0.170	0.113	0.03	SPPH
	FOREMAN	TWA	N/A	8	0.100 TO 0.170	0.116	0.03	SPPH
	INSPECTOR REPAIRER	TWA	N/A	4	0.100 TO 0.100	0.100	0.03	SPPH
	INSTRUMENTATION MAN	TWA	N/A	20	0.100 TO 0.207	0.207	0.13	SPPH
	INSULATOR	TWA	N/A	5	0.120 TO 0.465	0.465	1.00	SPPH
	JANITOR	TWA	N/A	11	0.100 TO 0.440	0.159	0.03	SPPH
	LOGBOOK INSTRUM. MAN	TWA	N/A	2	0.090 TO 0.330	0.172	.	SPPH
	LOGBOOK MECHANIC	TWA	N/A	1	0.100 TO 0.100	0.100	.	SPPH
	MACHINIST	TWA	N/A	11	0.100 TO 0.410	0.138	0.03	SPPH
	MAINTENANCE FOREMAN	TWA	N/A	2	0.100 TO 0.100	0.100	.	SPPH
	PAINTER	TWA	N/A	2	0.100 TO 0.100	0.100	.	SPPH
	PIPEFITTERS	TWA	N/A	21	0.100 TO 0.148	0.148	0.03	SPPH
	RIGGERS	TWA	N/A	1	0.140 TO 0.140	0.140	.	SPPH
	SHIFT REPAIRMAN	TWA	N/A	2	0.100 TO 0.100	0.100	.	SPPH
	UTILITY MECHANIC	TWA	N/A	16	0.100 TO 0.124	0.124	0.03	SPPH
	WELDER	TWA	N/A	99	0.100 TO 0.169	0.169	0.03	SPPH
	YARDCREW	TWA	N/A	39	0.100 TO 0.157	0.157	0.03	SPPH
	ZONE PLANNER	TWA	N/A	8	0.100 TO 0.180	0.109	0.03	SPPH
	PLNT B S. MAINT							
	ELECTRICIAN	TWA	N/A	1	0.250 TO 0.250	0.250	.	SPPH
	FOREMAN	TWA	N/A	7	0.100 TO 0.279	0.279	0.03	SPPH
	INSTRUMENTATION MAN	TWA	N/A	14	0.110 TO 0.225	0.225	0.03	SPPH
	JANITOR	TWA	N/A	10	0.100 TO 0.340	0.148	0.03	SPPH
	MACHINIST	TWA	N/A	14	0.100 TO 0.430	0.184	0.03	SPPH
	PAINTER	TWA	N/A	6	0.100 TO 0.310	0.168	0.03	SPPH
	PIPEFITTERS	TWA	N/A	35	0.100 TO 0.192	0.192	0.03	SPPH
	SHIFT REPAIRMAN	TWA	N/A	1	0.100 TO 0.100	0.100	.	SPPH
	UTILITY MECHANIC	TWA	N/A	8	0.100 TO 0.325	0.325	0.19	SPPH
	WELDER	TWA	N/A	52	0.100 TO 0.161	0.161	0.03	SPPH
	YARDCREW	TWA	N/A	50	0.100 TO 0.211	0.211	0.03	SPPH
	ZONE PLANNER	TWA	N/A	4	0.100 TO 0.350	0.191	0.03	SPPH
	SHIPPING							
	FOREMAN	TWA	N/A	4	0.110 TO 0.460	0.187	0.03	SPPH
	LEAD TANKER MAN	TWA	6	1	0.220 TO 0.220	0.220	.	SPPH
	TANKER MAN HELPER	TWA	22	21	0.070 TO 1.280	0.211	0.03	SPPH
	TANKER MAN	TWA	28	17	0.100 TO 0.209	0.209	0.03	SPPH

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