

Appendices for Electronic Emissions Inventory File Specifications

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Using the STARS Appendices

The appendices to the Electronic Reporting File Specifications document detail all of the Group/Profile/Characteristic/Value/Unit relationships used by the STARS database.

When preparing an electronic delta file the labels and codes in the following tables should be used as they appear in this document, these values are represented in bold text. Short descriptions are included in the tables but should not be included as part of the label or code used in the creation of a delta file. **However, in the event that a discrepancy is found between the Electronic Reporting File Specifications document, the appendices, and the extract file sent by the TCEQ then the extract file should be given preference since it contains the data as it exists in the STARS database.**

The appendices tables are structured as follows:

GROUP	PROFILE	CHARACTERISTICS	ALLOWED VALUES	UNITS
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Group and Profile define the basic type of unit a FIN or EPN is, such as a COMBUSTN/BOILER FIN or STACK EPN.

Characteristics, also referred to as attributes, are the specific pieces of data needed for a GROUP/PROFILE and are specific to that GROUP/PROFILE.

Allowed Values are the defined list of acceptable values that can be used for a certain characteristic. A “NR” in the Allowed Values field indicates there are no restrictions on the values used for the corresponding characteristic. Characteristics that do not have restrictions on allowed values usually require a numeric value that must meet the format as specified in the Electronic Reporting File Specifications document for that characteristic

Units specify the units in which a value should be reported. A value should be reported using the units listed. Units different than the ones listed should not be used to report a value. A blank in the Units field indicates there are no units for the corresponding Value.

APPENDIX 1

FIN GROUP TYPE
AND
CHARACTERISTIC RELATIONSHIPS

GROUP	PROFILE	CHARACTERISTICS	ALLOWED VALUES	UNITS
CLEANING	BARGE	No Applicable Characteristics	N/A	
	DIP DEGREASING	No Applicable Characteristics	N/A	
	RAILCAR	No Applicable Characteristics	N/A	
	TANK TRUCK	No Applicable Characteristics	N/A	
	VAPOR DEGREASING	No Applicable Characteristics	N/A	
	OTHER CLEANING OPS	No Applicable Characteristics	N/A	
	COAT/PRINT	COATING AND PRINTING	No Applicable Characteristics	N/A
COMBUSTN	BOILER	DESIGN CAPACITY	NR	MMBTU/HR
		FIRING TYPE	FR – Front	
			OP – Opposed	
			OT – Other	
TN - Tangential				
COMBUSTN	BOILER-ELECTRIC GENERATN	DESIGN CAPACITY	NR	MMBTU/HR
		FIRING TYPE	FR – Front	
			OP – Opposed	
			OT – Other	
			TN - Tangential	
GENERATION CAPACITY	NR	MEGA-WATT		
COMBUSTN	DRYER	DESIGN CAPACITY	NR	MMBTU/HR
		FIRING TYPE	FR – Front	
			OP – Opposed	
			OT – Other	
TN - Tangential				

GROUP	PROFILE	CHARACTERISTICS	ALLOWED VALUES	UNITS
COMBUSTN	FLARE	ASSIST TYPE	AIR	
			STEAM	
			UNASSISTED	
		DESIGN CAPACITY	NR	MMBTU/HR
		FIRING TYPE	FR – Front	
			OP – Opposed	
			OT – Other	
			TN - Tangential	
		HRVOC SERVICE (Y/N)	NO	
			YES	
SERVICE TYPE	ROUTINE			
	UPSETMAINT			
	BOTH			
COMBUSTN	FLUIDIZED CAT. CRACK UNIT	No Applicable Characteristics	N/A	
COMBUSTN	FURNACE	DESIGN CAPACITY	NR	MMBTU/HR
		FIRING TYPE	FR – Front	
			OP – Opposed	
			OT – Other	
TN - Tangential				
COMBUSTN	HEATER	DESIGN CAPACITY	NR	MMBTU/HR
		FIRING TYPE	FR – Front	
			OP – Opposed	
			OT – Other	
TN - Tangential				
COMBUSTN	I.C. ENGINE	BURN TYPE	LEAN	
			RICH	
		CYCLE	2	CYCLE
			4	CYCLE

GROUP	PROFILE	CHARACTERISTICS	ALLOWED VALUES	UNITS
COMBUSTN	I.C. ENGINE	DESIGN CAPACITY	NR	MMBTU/HR
		ENGINE RATING	NR	HP
		FIRING TYPE	IN - Internal	
COMBUSTN	I.C. ENGINE-ELECTRIC GENERATN	BURN TYPE	LEAN	
			RICH	
		CYCLE	2	CYCLE
			4	CYCLE
		DESIGN CAPACITY	NR	MMBTU/HR
		ENGINE RATING	NR	HP
		FIRING TYPE	IN - Internal	
		GENERATION CAPACITY	NR	MEGA-WATT
COMBUSTN	INCINERATOR	DESIGN CAPACITY	NR	MMBTU/HR
		FIRING TYPE	FR – Front	
			OP – Opposed	
			OT – Other	
TN - Tangential				
COMBUSTN	KILN	DESIGN CAPACITY	NR	MMBTU/HR
		FIRING TYPE	FR – Front	
			OP – Opposed	
			OT – Other	
			TN - Tangential	
COMBUSTN	OVEN	DESIGN CAPACITY	NR	MMBTU/HR
		FIRING TYPE	FR – Front	
			OP – Opposed	
			OT – Other	
			TN - Tangential	

GROUP	PROFILE	CHARACTERISTICS	ALLOWED VALUES	UNITS
COMBUSTN	THERMAL OXIDIZER	DESIGN CAPACITY	NR	MMBTU/HR
		FIRING TYPE	FR – Front	
			OP – Opposed	
			OT – Other	
TN - Tangential				
COMBUSTN	TURBINE	BURN TYPE	LEAN	
			RICH	
		DESIGN CAPACITY	NR	MMBTU/HR
		FIRING TYPE	IN - Internal	
		ENGINE RATING	NR	HP
COMBUSTN	TURBINE-ELECTRIC GENERATN	DESIGN CAPACITY	NR	MMBTU/HR
		FIRING TYPE	IN - Internal	
		GENERATION CAPACITY	NR	MEGA-WATT
		TURBINE RATING	NR	HP
COMBUSTN	OTHER COMBUSTION	DESIGN CAPACITY	NR	
		FIRING TYPE	FR – Front	
			OP – Opposed	
			OT – Other	
TN - Tangential				
COOLNGTWR	COOLING TOWER	DESIGN FLOW RATE	NR	MMGD
		DRAFT DESIGN TYP	MECHANICAL	
			NATURAL	
		HRVOC SERVICE (Y/N)	Y- Yes	
			N - No	
NUMBER OF CELLS	NR	CELLS		

GROUP	PROFILE	CHARACTERISTICS	ALLOWED VALUES	UNITS
COOLNGTWR	COOLING TOWER	SAMPLED FOR VOC	NO	
			YES	
		SAMPLING SCHEDULE	DAILY	
			MONTHLY	
			WEEKLY	
			OTHER	
		SAMPLNG USED TO CALC	NO	
YES				
EQUIPLKFUG	EQUIPMENT LEAK FUGITIVES	% VOC IN GAS/VAP	NR	%
		% VOC IN LT LIQUID	NR	%
		CALCULATION METHOD	CORRELATN	
			OIL&GAS	
			PTROMRKTNG	
			REFINERY	
			SOCMIAVG	
			SOCMLKNLK	
			SOCMIWOC2	
			SOCMIWTHC2	
		OTHER		
		CNCTR MONITORING PRGM	28CNTA	
			28CNTQ	
			NONE	
		LDAR PROG IN USE Y/N	NO	
			YES	
		LDAR PROGRAM REASON	REQUIRED	
VOLUNTARY				
LDAR PROG SPECIFIED	28LAER			
	28M			
	28MID			
	28RCT			
	28VHP			
	AVOIC			

GROUP	PROFILE	CHARACTERISTICS	ALLOWED VALUES	UNITS
EQUIPLKFUG	EQUIPMENT LEAK FUGITIVES	LDAR PROG SPECIFIED	HRVOC	
			NONE	
		SCRN VALUE MAX	NR	PPM
		SCRN VALUE MIN	NR	PPM
		SCRN VALUE PEG COMPS	NR	PPM
LOADING	MARINE	No Applicable Characteristics	N/A	
	RAILCAR	No Applicable Characteristics	N/A	
	RAILCAR AND TANK TRUCK	No Applicable Characteristics	N/A	
	TANK TRUCK	No Applicable Characteristics	N/A	
	OTHER LOADING OPS	No Applicable Characteristics	N/A	
	TANKS	DOMED EF ROOF: DOUBLE DECK	DIAMETER	NR
FILL MTHD			B - Bottom	
			P - Splash	
			U - Submerged	
HEIGHT			NR	FEET
HOT PRODUCT (Y/N)			N – Does not store hot product	
			Y – Stores Hot Product	
LOC TYPE			A - Above ground	
			U - Underground	
PAINT COND	G - Good			
	P - Poor			

GROUP	PROFILE	CHARACTERISTICS	ALLOWED VALUES	UNITS
TANKS	DOMED EF ROOF: DOUBLE DECK	PRIMARY SEAL	LR -Liq. mount resilient seal	
			MS - Mechanical shoe	
			VR - Vapor mount resilient seal	
			OT - Other	
		ROOF COLOR	AD - Aluminum Diffused	
			AS - Aluminum Specular	
			LG - Light Gray	
			MD - Medium Gray	
			WH - White	
			OT - Other	
		SHELL COLOR	AD - Aluminum Diffused	
			AS - Aluminum Specular	
			LG - Light Gray	
			MD - Medium Gray	
			WH - White	
			OT - Other	
		SECONDARY SEAL	N - None	
			RM - Rim mounted	
			SM - Shoe mounted	
			WS - Weather shield	
			OT- Other	
		SHLL CONST	E - Epoxy coated rivets	
			G - Gunite	
R - Riveted				
W - Welded				
O - Other				
STORE CAPACITY		NR	MGALLONS	

GROUP	PROFILE	CHARACTERISTICS	ALLOWED VALUES	UNITS	
TANKS	DOMED EF ROOF: PONTOON	DIAMETER	NR	FEET	
		FILL MTHD	B - Bottom		
			P - Splash		
			U - Submerged		
		HEIGHT	NR	FEET	
		HOT PRODUCT (Y/N)	N - Does not store hot product		
			Y - Stores Hot Product		
		LOC TYPE	A - Above ground		
			U - Underground		
		PAINT COND	G - good		
			P - poor		
		PRIMARY SEAL	LR -Liq. mount resilient seal		
			MS - Mechanical shoe		
			VR - Vapor mount resilient seal		
			OT - Other		
		ROOF COLOR	AD - Aluminum Diffused		
			AS - Aluminum Specular		
LG - Light Gray					
MD - Medium Gray					
WH - White					
OT - Other					
SHELL COLOR	AD - Aluminum Diffused				
	AS - Aluminum Specular				
	LG - Light Gray				
	MD - Medium Gray				
	WH - White				
	OT - Other				

GROUP	PROFILE	CHARACTERISTICS	ALLOWED VALUES	UNITS
TANKS	DOMED EF ROOF: PONTOON	SECONDARY SEAL	NO - None	
			RM - Rim mounted	
			SM - Shoe mounted	
			WS - Weather shield	
			OT- Other	
		SHLL CONST	E - Epoxy coated rivets	
			G - Gunitite	
			R - Riveted	
			W - Welded	
			O - Other	
STORE CAPACITY	NR	MGALLONS		
TANKS	EXT FL ROOF: DBL DECK ONE SEAL	DIAMETER	NR	FEET
		FILL MTHD	B - Bottom	
			P - Splash	
			U - Submerged	
		HEIGHT	NR	FEET
		HOT PRODUCT (Y/N)	N - Does not store hot product	
			Y - Stores Hot Product	
		LOC TYPE	A - Above ground	
			U - Underground	
		PAINT COND	G - good	
P - poor				
PRIMARY SEAL	LR -Liq. mount resilient seal			
	MS - Mechanical shoe			
	VR - Vapor mount resilient seal			
	OT - Other			

GROUP	PROFILE	CHARACTERISTICS	ALLOWED VALUES	UNITS
TANKS	EXT FL ROOF: DBL DECK ONE SEAL	ROOF COLOR	AD - Aluminum Diffused	
			AS - Aluminum Specular	
			LG - Light Gray	
			MD - Medium Gray	
			WH - White	
			OT - Other	
		SHELL COLOR	AD - Aluminum Diffused	
			AS - Aluminum Specular	
			LG - Light Gray	
			MD - Medium Gray	
			WH - White	
			OT - Other	
		SHLL CONST	E - Epoxy coated rivets	
G - Gunitite				
R - Riveted				
W - Welded				
O - Other				
STORE CAPACITY	NR	MGALLONS		
TANKS	EXT FL ROOF: DBL DECK DBL SEAL	DIAMETER	NR	FEET
		FILL MTHD	B - Bottom	
			P - Splash	
			U - Submerged	
		HEIGHT	NR	FEET
		HOT PRODUCT (Y/N)	N - Does not store hot product	
			Y - Stores Hot Product	
		LOC TYPE	A - Above ground	
U - Underground				

GROUP	PROFILE	CHARACTERISTICS	ALLOWED VALUES	UNITS
TANKS	EXT FL ROOF: DBL DECK DBL SEAL	PAINT COND	G - good	
			P - poor	
		PRIMARY SEAL	LR -Liq. mount resilient seal	
			MS - Mechanical shoe	
			VR - Vapor mount resilient seal	
			OT - Other	
		ROOF COLOR	AD - Aluminum Diffused	
			AS - Aluminum Specular	
			LG - Light Gray	
			MD - Medium Gray	
			WH - White	
			OT - Other	
		SHELL COLOR	AD - Aluminum Diffused	
			AS - Aluminum Specular	
			LG - Light Gray	
			MD - Medium Gray	
			WH - White	
			OT - Other	
		SECONDARY SEAL	RM - Rim mounted	
			SM - Shoe mounted	
WS - Weather shield				
OT- Other				
SHLL CONST	E - Epoxy coated rivets			
	G - Gunitite			
	R - Riveted			
	W - Welded			
	O - Other			
STORE CAPACITY		NR	MGALLONS	

GROUP	PROFILE	CHARACTERISTICS	ALLOWED VALUES	UNITS	
TANKS	EXT FL ROOF: PONTOON ONE SEAL	DIAMETER	NR	FEET	
		FILL MTHD	B - Bottom		
			P - Splash		
			U - Submerged		
		HEIGHT	NR	FEET	
		HOT PRODUCT (Y/N)	N – Does not store hot product		
			Y – Stores Hot Product		
		LOC TYPE	A - Above ground		
			U - Underground		
		PRIMARY SEAL	LR -Liq. mount resilient seal		
			MS - Mechanical shoe		
			VR - Vapor mount resilient seal		
			OT - Other		
		SHELL PAINT COND	G - Good		
			P - Poor		
		ROOF PAINT COND	G - Good		
			P - Poor		
ROOF COLOR	AD - Aluminum Diffused				
	AS - Aluminum Specular				
	LG - Light Gray				
	MD - Medium Gray				
	WH - White				
	OT - Other				
SHELL COLOR	AD - Aluminum Diffused				
	AS - Aluminum Specular				
	LG - Light Gray				

GROUP	PROFILE	CHARACTERISTICS	ALLOWED VALUES	UNITS
TANKS	EXT FL ROOF: PONTOON ONE SEAL	SHELL COLOR	MD - Medium Gray	
			WH - White	
			OT - Other	
		SHLL CONST	E - Epoxy coated rivets	
			F - Fiberglass	
			G - Gunitite	
			R - Riveted	
			W - Welded	
			O - Other	
		STORE CAPACITY	NR	MGALLONS
TANKS	EXT FL ROOF: PONTOON DBL SEAL	DIAMETER	NR	FEET
		FILL MTHD	B - Bottom	
			P - Splash	
			U - Submerged	
		HEIGHT	NR	FEET
		HOT PRODUCT (Y/N)	N - Does not store hot product	
			Y - Stores Hot Product	
		LOC TYPE	A - Above ground	
			U - Underground	
		PAINT COND	G - good	
P - poor				
PRIMARY SEAL	LR -Liq. mount resilient seal			
	MS - Mechanical shoe			
	VR - Vapor mount resilient seal			
	OT - Other			

GROUP	PROFILE	CHARACTERISTICS	ALLOWED VALUES	UNITS
TANKS	EXT FL ROOF: PONTOON DBL SEAL	ROOF COLOR	AD - Aluminum Diffused	
			AS - Aluminum Specular	
			LG - Light Gray	
			MD - Medium Gray	
			WH - White	
			OT - Other	
		SHELL COLOR	AD - Aluminum Diffused	
			AS - Aluminum Specular	
			LG - Light Gray	
			MD - Medium Gray	
			WH - White	
			OT - Other	
		SECONDARY SEAL	RM - Rim mounted	
			SM - Shoe mounted	
			WS - Weather shield	
			OT - Other	
		SHLL CONST	E - Epoxy coated rivets	
G - Gunite				
R - Riveted				
W - Welded				
O - Other				
STORE CAPACITY	NR	MGALLONS		
TANKS	HORIZONTAL FIXED ROOF TANK	DIAMETER	NR	FEET
		FILL MTHD	B - Bottom	
			P - Splash	
			U - Submerged	
		HEIGHT	NR	FEET

GROUP	PROFILE	CHARACTERISTICS	ALLOWED VALUES	UNITS
TANKS	HORIZONTAL FIXED ROOF TANK	HOT PRODUCT (Y/N)	N – Does not store hot product	
			Y – Stores Hot Product	
		LENGTH	NR	FEET
		LOC TYPE	A - Above ground	
			U - Underground	
		PAINT COND	G - good	
			P - poor	
		ROOF COLOR	AD - Aluminum Diffused	
			AS - Aluminum Specular	
			LG - Light Gray	
			MD - Medium Gray	
			WH - White	
			OT - Other	
		SHELL COLOR	AD - Aluminum Diffused	
			AS - Aluminum Specular	
			LG - Light Gray	
MD - Medium Gray				
WH - White				
OT - Other				
SHLL CONST	E - Epoxy coated rivets			
	G - Gunitite			
	R - Riveted			
	W - Welded			
	O - Other			
STORE CAPACITY	NR	MGALLONS		
VAPR SPACE HGT	NR	FEET		

GROUP	PROFILE	CHARACTERISTICS	ALLOWED VALUES	UNITS
TANKS	INTERNAL FLOATING ROOF	DECK CONST	P - Panel	
			S - Sheet	
		DECK FIT CATEGORY	D - Detailed	
			T - Typical	
		DECK SEAM LENGTH	NR	FEET
		DECK SEAM TYPE	5 X 7.5 FT (panel)	
			5 x 12 FT (panel)	
			5 FT (sheet)	
			6 FT (sheet)	
			7 FT (sheet)	
		DECK TYPE	B - Bolted	
			W - Welded	
		DIAMETER	NR	FEET
		FILL MTHD	B - Bottom	
			P - Splash	
			U - Submerged	
		HEIGHT	NR	FEET
		HOT PRODUCT (Y/N)	N - Does not store hot product	
			Y - Stores Hot Product	
		LOC TYPE	A - Above ground	
			U - Underground	
		NO OF COLUMNS	NR	COLUMNS
		PAINT COND	G - good	
P - poor				
PRIMARY SEAL	LR -Liq. mount resilient seal			
	MS - Mechanical shoe			

GROUP	PROFILE	CHARACTERISTICS	ALLOWED VALUES	UNITS		
TANKS	INTERNAL FLOATING ROOF	PRIMARY SEAL	VR - Vapor mount resilient seal			
			OT - Other			
		ROOF COLOR	AD - Aluminum Diffused			
			AS - Aluminum Specular			
			LG - Light Gray			
			MD - Medium Gray			
			WH - White			
			OT - Other			
		SHELL COLOR	AD - Aluminum Diffused			
			AS - Aluminum Specular			
			LG - Light Gray			
			MD - Medium Gray			
			WH - White			
			OT - Other			
		SECONDARY SEAL	NO - None			
			RM - Rim mounted			
			SM - Shoe mounted			
			WS - Weather shield			
OT - Other						
SHLL CONST	E - Epoxy coated rivets					
	G - Gunitite					
	R - Riveted					
	W - Welded					
	O - Other					
STORE CAPACITY		NR	MGALLONS			

GROUP	PROFILE	CHARACTERISTICS	ALLOWED VALUES	UNITS
TANKS	PRESSURE TANK	CNTL PRESSURE	NR	PSI
		DIAMETER	NR	FEET
		FILL MTHD	B - Bottom	
			P - Splash	
			U - Submerged	
		HEIGHT	NR	FEET
		LOC TYPE	A - Above ground	
			U - Underground	
		PAINT COND	G - good	
			P - poor	
		ROOF COLOR	AD - Aluminum Diffused	
			AS - Aluminum Specular	
			LG - Light Gray	
			MD - Medium Gray	
			WH - White	
			OT - Other	
		SHELL COLOR	AD - Aluminum Diffused	
			AS - Aluminum Specular	
			LG - Light Gray	
			MD - Medium Gray	
WH - White				
OT - Other				
SHLL CONST	E - Epoxy coated rivets			
	G - Gunitite			
	R - Riveted			
	W - Welded			
	O - Other			
STORE CAPACITY	NR	MGALLONS		

GROUP	PROFILE	CHARACTERISTICS	ALLOWED VALUES	UNITS	
TANKS	VERTICAL FIXED ROOF TANK	DIAMETER	NR	FEET	
		FILL MTHD	B - Bottom		
			P - Splash		
			U - Submerged		
		HEIGHT	NR	FEET	
		HEATED TANK (Y/N)	N – Tank not heated		
			Y – Tank is Heated		
		HOT PRODUCT (Y/N)	N – Does not store hot product		
			Y – Stores Hot Product		
		LOC TYPE	A - Above ground		
			U - Underground		
		PAINT COND	G - good		
			P - poor		
		ROOF COLOR	AD - Aluminum Diffused		
AS - Aluminum Specular					
LG - Light Gray					
MD - Medium Gray					
WH - White					
OT - Other					
SHELL COLOR	AD - Aluminum Diffused				
	AS - Aluminum Specular				
	LG - Light Gray				
	MD - Medium Gray				
	WH - White				
	OT - Other				

GROUP	PROFILE	CHARACTERISTICS	ALLOWED VALUES	UNITS
TANKS	VERTICAL FIXED ROOF TANK	SHLL CONST	E - Epoxy coated rivets	
			F - Fiberglass	
			G - Gunitite	
			R - Riveted	
			W - Welded	
			O - Other	
		STORE CAPACITY	NR	MGALLONS
		VAPR SPACE HGT	NR	FEET
TANKS	UNDERGROUND TANK	DIAMETER		FEET
			NR	
		FILL MTHD	B - Bottom	
			P - Splash	
			U - Submerged	
		HEIGHT	NR	FEET
		HOT PRODUCT (Y/N)	N - Does not store hot product	
			Y - Stores Hot Product	
		LOC TYPE	U - Underground	
		PAINT COND	G - good	
			P - poor	
		ROOF COLOR	AD - Aluminum Diffused	
AS - Aluminum Specular				
LG - Light Gray				
MD - Medium Gray				
WH - White				
	OT - Other			

GROUP	PROFILE	CHARACTERISTICS	ALLOWED VALUES	UNITS
TANKS	UNDERGROUND TANK	SHELL COLOR	AD - Aluminum Diffused	
			AS - Aluminum Specular	
			LG - Light Gray	
			MD - Medium Gray	
			WH - White	
			OT - Other	
		SHLL CONST	E - Epoxy coated rivets	
			G - Gunitite	
			R - Riveted	
			W - Welded	
O - Other				
STORE CAPACITY	NR	MGALLONS		
TANKS	OTHER TANK	CNTL PRESSURE	NR	PSI
		DIAMETER	NR	FEET
		FILL MTHD	B - Bottom	
			P - Splash	
			U - Submerged	
		HEIGHT	NR	FEET
		HOT PRODUCT (Y/N)	N - Does not store hot product	
			Y - Stores Hot Product	
		LOC TYPE	A - Above ground	
			U - Underground	
		PAINT COND	G - good	
			P - poor	
		PRIMARY SEAL	LR -Liq. mount resilient seal	
MS - Mechanical shoe				

GROUP	PROFILE	CHARACTERISTICS	ALLOWED VALUES	UNITS
TANKS	OTHER TANK	PRIMARY SEAL	VR - Vapor mount resilient seal	
			OT - Other	
		ROOF COLOR	AD - Aluminum Diffused	
			AS - Aluminum Specular	
			LG - Light Gray	
			MD - Medium Gray	
			WH - White	
			OT - Other	
		SHELL COLOR	AD - Aluminum Diffused	
			AS - Aluminum Specular	
			LG - Light Gray	
			MD - Medium Gray	
			WH - White	
			OT - Other	
		SECONDARY SEAL	NO - None	
RM - Rim mounted				
SM - Shoe mounted				
WS - Weather shield				
OT - Other				
SHLL CONST	E - Epoxy coated rivets			
	G - Gunitite			
	R - Riveted			
	W - Welded			
	O - Other			
STORE CAPACITY		NR	MGALLONS	
VAPR SPACE HGT		NR	FEET	

GROUP	PROFILE	CHARACTERISTICS	ALLOWED VALUES	UNITS
VOCPROCESS	ANALYZER	No Applicable Characteristics	N/A	
	BLOWDOWN OPERATIONS	No Applicable Characteristics	N/A	
	COKER, DELAYED	No Applicable Characteristics	N/A	
	COKER, FLEXI	No Applicable Characteristics	N/A	
	GLYCOL STILL	No Applicable Characteristics	N/A	
	MIXING VESSEL	No Applicable Characteristics	N/A	
	REACTOR	No Applicable Characteristics	N/A	
	POLYETHYLENE UNIT	No Applicable Characteristics	N/A	
	POLYPROPYLENE UNIT	No Applicable Characteristics	N/A	
	OTHER VOC PROCESSES	No Applicable Characteristics	N/A	
WASTEWATR	BASIN	No Applicable Characteristics	N/A	
	CLARIFIER	No Applicable Characteristics	N/A	
	CLOSED SUMP	No Applicable Characteristics	N/A	
	LIFT STATION	No Applicable Characteristics	N/A	
	OPEN SUMP	No Applicable Characteristics	N/A	
	REACTOR	No Applicable Characteristics	N/A	

GROUP	PROFILE	CHARACTERISTICS	ALLOWED VALUES	UNITS	
WASTEWATR	OTHER WASTEWATER COMPONENT	No Applicable Characteristics	N/A		
	SEPARATOR	No Applicable Characteristics	N/A		
	STRIPPER	No Applicable Characteristics	N/A		
	WASTEWATER	AER		A - Mechanically aerated	
				B - Diffused air aeration	
				C - Non-aerated	
		AREA		NR	SQ.FT.
		BIO		A - Biodegradation	
				B - Activated sludge	
				C - No biodegradation	
		DEPTH		NR	FEET
		FLOW		NR	MMGD
		MODEL		D - Disposal	
				F - Flow through	
		PRESTRIP PERFORMED		NO	
YES					
TYPE		A - Surface impoundment.			
		B - Subsurface impoundment			
		C - Other			
OTHER	OTHER	No Applicable Characteristics	N/A		

Equipment Leak Fugitive Group and Profile Notes:

The following is a description of the abbreviations used in the Equipment Leak Fugitives group and profile table.

GAS/VAP – Gas/Vapor

LT LIQUID – Light Liquid

SCRN VALUE – Screening Value

Three different screening values exist:

SCRN VALUE MAX – Maximum Screening Range Value

SCRN VALUE MIN – Minimum Screening Range Value

SCRN VALUE PEG COMPS – Screening Value for Pegged Components

CORRELATN – Correlation Equations

OIL&GAS – Oil and Gas factors

PTROMRKTNG – Petroleum Marketing Terminal factors

REFINERY – Refinery factors

SOCMIAVG – Synthetic Organic Chemical Manufacturing Industry Average factors

SOCMILKNLK - Synthetic Organic Chemical Manufacturing Leak No Leak factors

SOCMIWOC2 - Synthetic Organic Chemical Manufacturing Without Ethylene factors

SOCMIWITHC2 - Synthetic Organic Chemical Manufacturing With Ethylene factors

OTHER – OTHER factors

APPENDIX 2

EPN PROFILE AND CHARACTERISTIC RELATIONSHIPS

GROUP	PROFILE	CHARACTERISTICS	ALLOWED VALUES	UNITS	
	FLARE	# OF PILOTS	NR	PILOTS	
		ADIABATIC FLAME TEMP	NR	DEG F	
		AVERAGE FLOW RATE	NR	MSCFM	
		COMPOSITION DETERMIN	CONTMEAS		
			ENGRESTIM		
			ONETIMEPRF		
			PERIODTEST		
		FLOW DETERMINATION	CONTMEAS		
			ENGRESTIM		
			ONETIMEPRF		
		HEIGHT	NR	FEET	
		INSIDE TIP DIAMETER	NR	FEET	
		LOWHEATVAL	NR	BTU/SCF	
		MOLWT	NR	LB/LB-MOLE	
	TEMP	NR	DEG F		
	FUGITIVE	DEGREES	NR	DEGREES	
		HEIGHT	NR	FEET	
		LENGTH	NR	FEET	
		OFNORTH	E - East		
			W - West		
		WIDTH	NR	FEET	
	STACK	DIAMETER	NR	FEET	
		HEIGHT	NR	FEET	
		HORDSCHG	N - No		
			Y - Yes		
		MOISTURE	NR	%	
		TEMP	NR	DEG F	
		VELOCITY	NR	FT/SEC	

FLARE Profile Notes

The following is a description of the abbreviations used in the FLARE profile table.

CONTMEAS – Continuous Measurement

ENGRESTIM – Engineering Estimate

ONETIMEPRF – One Time Performance Test

PERIODTEST – Periodic Testing