EPA Identification Numbers of all generation sites using a common waste profile analysis.

II.D.6. The Permittee may accept the following wastes residues, only if these wastes are a process residue from incineration or thermal treatment from an off-site permitted facility and the wastes comply with land disposal restrictions as required by R315-13-1:

- i. Water reactive materials.
- ii. Pyrophoric materials

iii. Class 1.1, 1.2, 1.3, and 1.4 explosives

iv. Shock sensitive materials

(v) F020, F021, F022, F023, F026 & F027, <u>except</u> for storage in containers or management of off-site generated, incineration/thermal treatment residues of the wastes bearing these codes, and F028 wastes, when such wastes are compliant with UAC Section R315-13 - Land Disposal Restrictions (LDR) (40 CFR Part 268.41) or can be rendered compliant with the LDR or other land disposal requirements utilizing any other additional permitted treatment/management techniques available at the facility prior to final disposal. All subject wastes shall be managed in accordance with the latest approved version of the Supplemental Waste Management Plan, Attachment II-8, for F020-F023 & F026-F027 Waste Treatment Residues and F028 Wastes.

- II.D.7. Storage facilities that accept hazardous wastes from a third party generator, and keep that waste separate, may use the same waste analysis and profile identification number to manifest the material to the Grassy Mountain Facility.
- II.D.8. The Permittee shall only accept those hazardous wastes authorized by this permit or other RCRA Federal or State (Utah) permits.

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# U.S. Pollution Control, Inc. Grassy Mountain Facility <u>II.D.9, Table 1</u> <u>Waste Identification List</u>

# SEE NOTES AT END OF TABLE.

Not all waste management units and scenarios are listed in this table. Refer also to the individual Permit Modules.

Column	Column	Column	Column	Column	Column	Column	Column	Column	Column	Column	Column
1	2	3	4	. 5	6	7	8	9	10	11 ·	12
EPA	Module III (Container:	S)		Module IV (Tanks)		Module (Landfil	∨l ls)		Mod (Other	ule IV Tanks)	
VVaste Code List	May store these wastes	May store as ash ONLY	May treat these wastes	May treat these wastes	May treat as ash ONLY	May dispose these wastes	May dispose as ash ONLY	May store these wastes	May store these wastes	May store these wastes	May store these wastes
			REACTION TANK	STABIL. TANKS	STABIL. TANKS			SOLVENT TANKS	ACID TANKS	CAUSTIC TANKS	TREATED LIQUID TANKS
(See Note 1)	(See Note 4)	(See No	otes 2,4)	(See Note 5)	(See Notes 2,5)	(See Note 6)	(See Not	es 2,3,6)			
D001	D001			D001		D001 ·		D001			
D002	D002		D002	D002		D002			D002	D002	D002
D003	D003		D003	D003		D003				D003	D003
D004	D004			D004		D004					2000
D005	D005		D005	D005		D005			D005		D005
D006	D006		D006	D006	•	D006			D006		D006

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(WASTE ANALYSIS PLAN PAGE 3)

Column	Column	Column	Column	Column	Column	Column	Column	Column	Column	Column	Column
1	2	3	<u>    4                                </u>	5	6	7	8	9	10	11	12
	Module III			Module IV		Module	VI		Modu	ule IV	
EPA	(Containers	5)		(Tanks)		(Landfill	s)		(Other	Tanks)	
Waste	May store	May store	May treat	May treat	May treat	May dispose	May dispose	May store	May store	May store	May store
	these	as ash	these	these	as ash	these	as ash	these	these	these	these
LISI	wastes	ONLY	wastes	wastes	ONLY	wastes	ONLY	wastes	wastes	wastes	wastes
			REACTION	STABIL.	STABIL.	-		SOLVENT	ACID	CAUSTIC	TREATED
			TANK	TANKS	TANKS	:		TANKS	TANKS	TANKS	
		(0	L	(0	10	40 41 4 41					TANKS
(See Note 1)	(See Note 4)	(See No	otes 2,4)	(See Note 5)	(See Notes 2,5)	(See Note 6)	(See Not	es 2,3,6)			
D007	D007		D007	D007		D007			D007		D007
D008	D008		D008	D008		D008			D008		D008
D009	D009		D009	D009		D009			D009		D009
D010	D010		D010	D010		D010	· · · · · · · · · · · · · · · · · · ·		D010		D010
D011	D011		D011	D011		D011			D011		D011
D012	D012	~	1	D012		D012					
D013	D013			D013		D013					
D014	D014			D014	1.	D014					
D015	D015			D015		D015					
D016	D016			D016		D016					
D017	D017			D017		D017					
D018	D018			D018		D018					
D019	D019			D019		D019					
D020	D020			D020	•	D020					
D021	D021			D021		D021					
D022	D022			D022		D022					
D023	D023	1		D023		D023					
D024	D024			D024	1	D024	1				

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Column	Column	Column	Column	Column	Column	Column	Column	Column	Column	Column	Column
1	2	3	4	5	6	7	8	9	10	11	12
	Module III			Module IV		Module	VI		Mod	ule IV	
EPA	(Containers	5)		(Tanks)		(Landfil	ls)		(Other	Tanks)	
Waste	May store	May store	May treat	May treat	May treat	May dispose	May dispose	May store	May store	May store	May store
Code	these	as ash	these	these	as ash	these	as ash	these	these	these	these
LISU	wastes	ONLY	wastes	wastes	ONLY	wastes	ONLY	wastes	wastes	wastes	wastes
•			REACTION	STABIL.	STABIL.			SOLVENT	ACID	CAUSTIC	TREATED
			TANK	TANKS	TANKS			TANKS	TANKS	TANKS	
		(Coo N)		(Cap Mata 5)	(Can Matan 2 E)	(Con Mate 6)	(See Not	00 2 2 6)			TANKS
(See Note 1)	(See Note 4)	(See No	1	(See Note 5)	(See Notes 2,5)						!
D025	D025			D025		D025					
D026	D026			D026		D026				·	
D027	D027		:	D027		D027					
D028	D028			D028		D028					
D029	D029			D029		D029					
D030	D030			D030		D030					
D031	D031			D031		D031					•
D032	D032			D032		D032				ļ	
D033	D033			D033		D033					
D034	D034			D034	1	D034	•				
D035	D035			D035		D035					
D036	D036			D036		D036					
D037	D037			D037		D037					
D038	D038			D038		D038					
D039	D039	1		D039	1	D039					
D040	D040			D040		D040					
D041	D041			D041		D041	1		1		1
D042	D042			D042		D042					

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(WASTE ANALYSIS PLAN PAGE 5)

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Column	Column	Column	Column	Column	Column	Column	Column	Column	Column	Column	Column
1	2	3	4	5	6	7	8	9	10	11	12
	Module III			Module IV		Module	VI		Modi	ule IV	
EPA	(Containers	5)		(Tanks)		(Landfill	s)		(Other	ranks)	
Waste	May store	May store	May treat	May treat	May treat	May dispose	May dispose	May store	May store	May store	May store
Code	these	as ash	these	these	as ash	these		tnese	unese wastes	wastes	wastes
List	wastes	ONLY	wastes	wastes	ONLY	wastes	UNLT		ACID	CAUSTIC	TREATED
			REACTION	STABIL.	STABIL.			TANKS		TANKS	LIQUID
			IANK	TANKS	CANAL						TANKS
(See Note 1)	(See Note 4)	(See N	 otes 2,4)	(See Note 5)	(See Notes 2,5)	(See Note 6)	(See Not	es 2,3,6)			
D043	D043			D043		D043					
E001	F001			F001		F001		F001			·
F007	F002			F002		F002		F002			
F002	F003	· ·		F003		F003		F003			
F004	F004			F004		F004		F004		F004	
F005	F005			F005		F005		F005	ļ		
F006	F006			F006		F006					•
F007	F007		F007	F007		F007				F007	F007
F008	F008		F008	F008		F008				F008	F008
F009	F009		F009	F009		F009				F009	F009
F010	F010		F010	F010		F010		<u> </u>		F010	F010
F011	F011		F011	F011	· · · ·	F011				F011	F011
F012	F012		F012	F012		F012	1			F012	F012
F019	F019			F019		F019				1	
F020	F020				F020*		F020*				
F021	F021				F021*		F021*	<u> </u>			
F022	F022				F022*		F022*				
F023	F023				F023*	ł	F023*	1	l		ł

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Column	Column	Column	Column	Column	Column	Column	Column	Column	Column	Column	Column
1	2	3	4	5	6	7	8	9	10	11	12
	Module III			Module IV		Module	VI (		Mod	ule IV	
EPA	(Containers	5)		(Tanks)		· (Landfill	s)		(Other	Tanks)	
Waste	May store	May store	May treat	May treat	May treat	May dispose	May dispose	May store	May store	May store	May store
Code	these	as ash	these	these	as ash	these	as ash	these	these	these	tnese
List	wastes	ONLY	wastes	wastes	ONLY	wastes	UNLT	wastes	· wastes	Wastes	Wastes
			REACTION	STABIL.	STABIL.			SOLVENT		CAUSTIC	
			TANK	TANKS	TANKS			IANKS	TANKS	TANKS	TANKS
				(Dec Mate 5)	(Coo Nolos 2 E)	(See Mole 6)	(See Not	es 2 3 6)			
(See Note 1)	(See Note 4)	(See No	otes 2,4)	(See Note 5)	(See Notes 2,5)		(366 110)	23 2,0,07	<u> </u>		
F024	F024			F024		F024	50051				
F025		F025		F025	F025*		F025*				
F026	F026				F026*		F026*				
F027	F027				F027*		F027*				
F028	F028				F028*		F028*			ļ	
F032	F032		1			F032					
F034	F034	1				F034					•
F035	F035					F035					
F037	F037			F037		F037					
F038	F038			F038		F038	1		· ·		
F039	F039			F039	1	F039					
	F999			F999		F999					
K001	K001		T	K001		K001					
K002	К002	1		K002		K002					
K002	кооз			K003		K003					
K004	K004			K004		K004				1	
K005	коо5			K005		K005					
K006	K006	-		K006		K006					

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Column	Column	Column	Column	Column	Column	Column	Column	Column	Column	Column	Column
1	2	3	4	5	6	7	8	9	10	11	12
	Module III			Module IV		Module	VI		Mode	ule IV	
EPA	(Containers	5)		(Tanks)		(Landfil	s)		(Other	Tanks)	
Vvaste	May store	May store	May treat	May treat	May treat	May dispose	May dispose	May store	May store	May store	May store
	these	as ash	these	these	as ash	these	as ash	these	these	these	these
LISU	wastes	ONLY	wastes	wastes	ONLY	wastes	ONLY	wastes	wastes	wastes	wastes
			REACTION	STABIL.	STABIL.			SOLVENT	ACID	CAUSTIC	TREATED
			TANK	TANKS	TANKS			TANKS	TANKS	TANKS	LIQUID
	(0	(0 N	L	(0 N-4- 5)	(0	10 11 - 1 - 01			· · · · · · · · · · · · · · · · · · ·		TANKS
(See Note 1)	(See Note 4)	(See No	otes 2,4)	(See Note 5)	(See Notes 2,5)	(See Note 6)	(See Not	es 2,3,6)			
K007	K007			K007		K007					
K008	K008			K008		K008					<u>.</u>
K009	K009			K009		K009					
K010	K010			K010		K010		1			
K011		K011			K011		K011				
K013		K013			K013		K013				
K014	K014			K014	}	K014					•
K015	K015	·		K015		K015				1	
K016	K016			K016		K016			1		
K017	K017			K017		K017					
K018	<sup>°</sup> K018			K018		K018					
K019	K019			K019		K019					
K020	K020			K020		K020					
K021	K021	•	-	K021		K021					
K022	K022			К022		K022					
K023	К023			K023	1	K023					
K024	K024			K024		K024					
K025	K025		ļ	K025		K025	ł				ļ

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Column	Column	Column	Column	Column	Column	Column	Column	Column	Column	Column	Column
1	2	3	4	5	6	7	8	9	10	.11	12
	Module III	4 		Module IV		Module	VI		Modi	ule IV	
EPA	(Containers	5)		(Tanks)		(Landfill	ls)		(Other	Tanks)	
Vvaste	May store	May store	May treat	May treat	May treat	May dispose	May dispose	May store	May store	May store	May store
List	these	as ash	these	these	as ash	these	as ash	these	these	these	these
	wastes	ONLY	wastes	wastes	ONLY	wastes	ONLY	wastes	wastes	wastes	wastes
			REACTION	STABIL.	STABIL.			SOLVENT	ACID	CAUSTIC	TREATED
			IANK	TANKS	IANKS			TANKS	TANKS	TANKS	LIQUID
(See Note 1)	(See Note 4)	(Saa Ni		(See Note 5)	(See Notes 2.5)		(0.0.0.1)				TANKS
(See Note 1)					(See Notes 2,5)	(See Note 6)	(See Not	es 2,3,6)			
KU26	KU26			K026		K026					
K027		K027			K027		K027				1 1
K028	K028			K028		K028					
K029	K029		· · ·	K029		K029					
K030	K030			K030		K030					
K031	K031			K031		K031					
K032	K032			K032		K032					
K033	K033			K033		K033					
K034	K034			K034		K034					
K035	K035			K035		K035					1 1
K036	K036			K036		K036					
K037	K037			K037		K037					
K038	K038			K038		К038					
K039	K039			K039		К039					
K040	K040			K040		K040					
K041	K041			K041		K041					
K042	K042			K042		K042					
K043	K043			K043		K043					

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Column	Column	Column	Column	Column	Column	Column	Column	Column	Column	Column	Column
1	2	3	4	5	6	7	8	9	10	11	12
	Module III			Module IV		Module	VI		Mod	ule IV	
EPA	(Containers	5)		(Tanks)		(Landfill	s)	· · · ·	(Other	Tanks)	
Vvaste	May store	May store	May treat	May treat	May treat	May dispose	May dispose	May store	May store	May store	May store
List	these	as ash	these	these	as ash	these	as ash	these	these	these	these
LIOU	wastes	UNLY	wastes	wastes	ONLY	wastes	ONLY	wastes	wastes	wastes	wastes
			REACTION	STABIL.	STABIL.			SOLVENT	ACID	CAUSTIC	TREATED
			IANK	IANKS	TANKS			TANKS	TANKS	TANKS	LIQUID
(See Male 1)	(San Note 4)	(See No								· · ·	TANKS
	(See Note 4)	(See No	nes 2,4)		(See Notes 2,5)	(See Note 6)	(See Not	es 2,3,6)			
K044		K044			K044		K044				
K045		K045			K045		K045				
K046	K046			· K046		K046					
K047		K047			K047		K047				
K048	K048		K048	K048		K048				K048	K048
K049	K049		K049	K049		K049				K049	K049
K050	K050			K050		K050					
K051	K051		K051	K051		K051				K051	K051
K052	K052			K052		K052					
K060	K060			K060	-	K060					
K061	K061			K061		K061	•				
K062	K062		K062	K062		K062		-	K062		K062
K064		K064			K064	•	K064				-
K065		K065			K065		K065				
K066		K066			K066		K066				
K069	K069			K069		K069					
K071	K071			K071		K071					
K073	K073		l	K073		K073					

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# USPCI, Grassy Mountain Revised RCRA Permit April 15, 1996

Column	Column	Column	Column	Column	Column	Column	Column	Column	Column	Column	Column
1	2	3	4	5	6	7	8	9	10	11	12
	Module III			Module IV		Module	VI _		Modu	Jie IV	
EPA	(Containers	3)		(Tanks)	· · · · · · · · · · · · · · · · · · ·	(Landfill	l\$)	<u></u>	Other	i anks)	
Waste	May store	May store	May treat	May treat	May treat	May dispose	May dispose	May store	May store	May store	May store
Code	these	as ash	these	these	as ash	these	as ash	these	these	these	Inese
LIST	wastes	ONLY	wastes	wastes	ONLY	wastes	UNLY	wastes	wastes	wastes	Wastes
			REACTION	STABIL.	STABIL.			SOLVENT			
			TANK	TANKS	IANKS			TANKS	CANAL -	TANAS	TANKS
(See Note 1)	(See Note 4)	(See N	l	(See Note 5)	(See Notes 2.5)	(See Note 6)	(See Not	es 2,3,6)			
		( <u></u>	1	KU83		KO83					
K083	K083		ļ	KOBA		КОВА					
K084	K084					KORS					
K085	K085	ļ				K085				K086	
K086	K086				1	K000				1,000	
K087	K087	Į	ļ	KU87.							
К088	K088			K088		KU88			ļ		
K090	K090	1		K090		KU9U				Î	•
K091	K091			K091		K091	1	-			
K093	K093		1	K093		K093				. e	
K094	K094			K094		K094		ļ			
K095	K095		1	K095	ļ	K095					
K096	K096			K096		K096	1				
K097	K097	· ·		K097	1	K097			1		
K098	K098			K098	1	K098					
K099	K099			K099		K099		ļ			
K100	K100			K100		K100					
K101	K101			K101		K101					· ·
K102	K102			K102		K102		ł			

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Column	Column	Column	Column	Column	Column	Column	Column	Column	Column	Column	Column
1	2	3	4	5	6	7	8	9	10	11	12
	Module III			Module IV		Module	VI		Mod	ule IV	
EPA	(Containers	5)		(Tanks)		(Landfill	s)		(Other	Tanks)	
Waste	May store	May store	May treat	May treat	May treat	May dispose	May dispose	May store	May store	May store	May store
Code	these	as ash	these	these	as ash	these	as ash	these	these	these	these
List	wastes	ONLY	wastes	wastes	ONLY	wastes	ONLY	wastes	wastes	wastes	wastes
			REACTION	STABIL.	STABIL.			SOLVENT	ACID	CAUSTIC	TREATED
			TANK	TANKS	TANKS			TANKS	TANKS	IANKS	
							(0				TANKS
(See Note 1)	(See Note 4)	(See No	otes 2,4)	(See Note 5)	(See Notes 2,5)	(See Note 6)		es 2,3,6)	1	1	
. K103	K103			K103		K103					
K104	K104			K104		K104					
K105	K105			K105	· · ·	K105					
K106	K106			K106		K106					
K107		K107			K107	ļ	K107				
K108		K108			K108		K108				
K109		K109			K109		K109				•
K110		K110			K110		K110				
K111	К111			K111		K111					
K112	K112			K112		K112					
К113	К113			K113		K113					
К114	K114			K114		K114				·	
K115	K115			K115		K115					1
K116	K116	ļ		K116		K116					
K117		К117			K117		K117				
K118		К118			K118		K118				
K123	K123			K123		K123					
K124	K124			K124		K124					

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Column	Column	Column	Column	Column	Column	Column	Column	Column	Column	Column	Column
1	2	3	4	5	6	7	8	9	10	11	12
EPA	Module III (Containers	5)		Module IV (Tanks)		Module (Landfill	VI s)		Modu (Other	ule IV Tanks)	·
Waste Code List	May store these wastes	May store as ash ONLY	May treat these wastes	May treat these wastes	May treat as ash ONLY	May dispose these wastes	May dispose as ash ONLY	May store these wastes	May store these wastes	May store these wastes	May store these wastes
			REACTION TANK	STABIL. TANKS	STABIL. TANKS	- -		SOLVENT TANKS	ACID TANKS	CAUSTIC TANKS	TREATED LIQUID TANKS
(See Note 1)	(See Note 4)	(See N	otes 2,4)	(See Note 5)	(See Notes 2,5)	(See Note 6)	(See Nol	les 2,3,6)			
K125	K125		I	K125		K125					
K126	K126			K126		K126		·			
K131											
K132			· · · · ·			·	· · · ·				<u> </u>
K136		K136			K136		K136		}		
K141		K141			K141		K141				
K142		K142			K142	1	K142				
K143		K143			K143		K143	1 ·			
K144		K144			K144	1	K144				
K145		K145			K145		K145			1	
K147		K147			K147		K147				
K148		K148			K148		K148				
K149		K149			K149	1	K149				
K150	1	K150			K150		K150			·	
K151		K151			K151		K151	1	<u> </u>	<u> </u>	<u> </u>

N. 2

Column	Column	Column	Column	Column	Column	Column	Column	Column	Column	Column	Column
1	2	3	4	5	6	7	8	9	10	11	12
	Module III			Module IV		Module	VI		Modu	ule IV	
EPA	(Containers	;)		(Tanks)		(Landfill	s)		(Other	Tanks)	
Waste	May store	May store	May treat	May treat	May treat	May dispose	May dispose	May store	May store	May store	May store
Code	these	as ash	these	these	as ash	these	as ash	these	these	these	these
LIST	wastes	ONLY	wastes	wastes	ONLY	wastes	ONLY	wastes	wastes	wastes	wastes
			REACTION	STABIL.	STABIL.			SOLVENT	ACID	CAUSTIC	TREATED
			TANK	TANKS	TANKS			TANKS	IANKS	TANKS	
		(A) 11		(0 N-1- 5)	(Cas Malas 2 C)	(Can Mata C)	(Eas blat			· · · · · · · · · · · · · · · · · · ·	TANKS
(See Note 1)	(See Note 4)	(See No	otes 2,4)	(See Note 5)	(See Notes 2,5)	(See Note o)		es 2,3,6)		<u>,                                     </u>	l
P001	P001			P001		P001					
P002	P002			P002		P002					
P003	P003			P003		P003			1		
P004	P004			P004		P004					
P005	P005			P005		P005					
P006	P006			P006		P006			1		
P007	P007			P007		P007		а с			
P008	P008			P008		P008	, i				
P009	1	P009			P009		P009				
P010	P010			P010		P010					
P011	P011			P011		P011					
P012	P012			P012		P012					
P013	P013			P013		P013			1.		
P014	P014			P014		P014					
P015	P015			P015	· .	P015	<u> </u>				
P016	P016			P016		P016					
P017	P017		ļ	P017		P017					
P018	P018			P018		P018			1	P018	

Module II

(WASTE ANALYSIS PLAN PAGE 14)

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Column	Column	Column	Column	Column	Column	Column	Column	Column	Column	Column	Column
	2	3	<u>4</u>	5	6	7	.8	9	10	11	12
	Module III	, -		Module IV	,	Module	VI I		Mod	ule IV	1
EPA	(Containers	3) T		(Tanks)	·!	(Landfill	.s)	l	(Other	Tanks)	
	May store	May store	May treat	May treat	May treat	May dispose	May dispose	May store	May store	May store	May store
List	these	as ash	these	these	as ash	these	as ash	these	these	these	these
	wastes	UNLY	wastes	wastes	ONLY	wastes	ONLY	wastes	wastes	wastes	wastes
. I	i !	1	REACTION	STABIL.	STABIL.	1	( . !	SOLVENT	ACID	CAUSTIC	TREATED
. I	1 1	1	IANK	TANKS	IANKS	1		TANKS	TANKS	TANKS	
(See Note 1)	(See Note 4)	(See N		(See Note 5)	(Saa Natan 2.5)	(See Note 6)	(Cas No)		<u> </u>	<b> </b> '	TANKS
								es 2,3,6)	<b>└────</b> ′	<u> </u> '	<u></u> //
P020 j	P020			P020	!	P020	1 . !	<b>i</b> '	1 '	1	1
	P021	<b> </b>	<b>↓</b> ′	P021	<u> '</u>	P021	<b> </b> !	Į'	<u> </u>	<u> </u>	<u> </u>
P022	P022	1	'	P022	1	P022		P022	1 '	1	
P023	P023	(	1 '	P023	/	P023		1	1 '	1	1 1
P024	P024		1	P024	1	P024	1° I	1	( . '	1	1 1
P026	P026	1	'	P026	'	P026		1	1 '	1.	1 1
P027	P027	L	<u> '</u>	P027	<u> </u> !	P027	1!	1	1 '	1	1. [
P028	P028		[ <u> </u>	P028	· · · · · · · · · · · · · · · · · · ·	P028	[·]		[	[	
P029	P029		'	P029	'	P029		1	1 '	1	
P030	P030	1	P030	P030	1	P030		1	1 '	P030	P030
P031	P031		'	P031	1 '	P031	į !	1 '	1 '	, ,	
P033	P033		· · · · · · · · · · · · · · · · · · ·	P033	1 '	P033	[• ]	1 '	( '	•	
P034	P034	· ·	,	P034		P034	[	[!			
P036	P036	1	1	P036	'	P036	[ ]	1	· · ·	ľ	
P037	P037		1 '	P037	1. '	P037		1	'	1	
P038	P038		1 '	P038	'	P038	{ ! !		'	1	
P039	P039		· /	P039	'	P039	{ !		'		
P040	P040			P040		P040		[			

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(WASTE ANALYSIS PLAN PAGE 15)

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Column	Column	Column	Column	Column	Column	Column	Column	Column	Column	Column	Column
1	2	3	4	5	6	7	8	9	10	11	12
	Module III			Module IV		Module	VI		Modi	ule IV	
EPA	(Containers	5)		(Tanks)		(Landfil	ls)		(Other	Tanks)	
Waste	May store	May store	May treat	May treat	May treat	May dispose	May dispose	May store	May store	May store	May store
Code	these	as ash	these	these	as ash	these	as ash	these	these	these	these
LISI	wastes	ONLY	wastes	wastes	ONLY	wastes	ONLY	wastes	wastes	wastes	wastes
			REACTION	STABIL.	STABIL.			SOLVENT	ACID	CAUSTIC	TREATED
			TANK	TANKS	TANKS			IANKS	TANKS	TANKS	
		(C N		(Sac Note 5)	(Cap Matan 2 E)	(See Mate 6)	(See Not	00 2 3 6)			TAINTO
(See Note 1)	(See Note 4)	(See No	1		(See Notes 2,5)		(366 140)	es 2,3,0)	l	1	L
P041	P041			P041		P041					
P042	P042			P042		P042					
P043	P043			P043		P043					·
P044	P044			P044		P044					
P045	P045			P045		P045				L.	
P046	P046			P046		P046					
P047	P047			P047		P047					•.
P048	P048			P048		P048					
P049	P049			P049		P049					
P050	P050			P050		P050					
P051	- P051			P051		P051					
P054	P054			P054		P054			· · ·	P054	
P056	P056			P056		P056					
P057	P057			P057		P057					
P058	P058			P058		P058					
P059	P059			P059	1	P059		1			
P060	P060	1		P060		P060					
P062	P062			P062		P062					

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(W'STE ANALYSIS PLAN PAGE 16)

Column	Column	Column	Column	Column	Column	Column	Column	Column	Column	Column	Column
1	2	3	4	5	6	7	8	9	10	11	12
	Module III			Module IV		Module	VI		Mod	ule IV	
EPA	(Containers	\$)		(Tanks)		(Landfill	s)		(Other	Tanks)	
Waste	May store	May store	May treat	May treat	May treat	May dispose	May dispose	May store	May store	May store	May store
Code	these	as ash	these	these	as ash	these	as ash	these	these	these	these
LISI	wastes	ONLY	wastes	wastes	ONLY	wastes	UNLT	wastes	wastes	Wastes	Wastes
			REACTION	STABIL.	STABIL.			SOLVENT	ACID	CAUSTIC	
			TANK	TANKS	TANKS			IANKS	TANKS	TANKS	TANKS
(See Note 1)	(See Note 4)	(See N	otes 2 4)	(See Note 5)	(See Notes 2.5)	(See Note 6)	(See Not	l les 2,3,6)			
			1	P063	<u> </u>	P063			1		1
P063	P063			P003							
P064	P064			P064	DOCE	P004	DOGS				
P065		P065			P005		P005				
P066	P066			P066		P066	ļ ·				
P067	P067			P067	· ·	P067					
P068	P068			P068		P068					<u> </u>
P069	P069			P069		P069					•
P070	P070			P070	1	P070					
P071	P071			P071		P071					
P072	P072			P072		P072					
P073	P073			P073		P073					· .
P074	P074			P074		P074					
P075	P075			P075	1	P075					
P076	P076			P076		P076				1	
P077	1	P077			P077		P077		1	1	
P078	P078			P078		P078				<u> </u>	
P081		P081		1	P081		P081				
P082	P082			P082		P082					1

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. . . . .

Column	Column	Column	Column	Column	Column	Column	Column	Column	Column	Column	Column
1	2	3	4	5	6	7	8	9	10	11	12
	Module III			Module IV		Module	VI		Modi	ule IV	
EPA	(Containers	5)		(Tanks)		(Landfill	s)		(Other	Tanks)	
Waste	May store	May store	May treat	May treat	May treat	May dispose	May dispose	May store	May store	May store	May store
Code	these	as ash	these	these	as ash	these	as ash	these	these	these	these
LIST	wastes	ONLY	wastes	wastes	ONLY	wastes	ONLY	wastes	wastes	wastes	wastes
			REACTION	STABIL.	STABIL.	-		SOLVENT	ACID	CAUSTIC	TREATED
			TANK	TANKS	TANKS	1		IANKS	IANKS	TANKS	
10	(C N-1- 4)	(See N		(See Note 5)	(See Notes 2.5)	(See Note 6)	(See No	es 2 3 6)			
(See Note 1)	(See Note 4)		1		(See Noles 2.5)			<u> </u>			
P084	P084			P084		P084					
P085	P085			P085		P085					
P087	P087			P087		P087				· · · ·	
P088	P088		1	P088	l.	P088					
P089	P089	1		P089		P089				1	
P092	P092			P092		P092					
P093	P093			P093		P093					•
P094	P094			P094		P094					
P095	P095			P095		P095					
P096	P096			P096		P096		ļ			
P097	P097			P097		P097				ļ	
P098	P098			P098	1	P098					
P099	P099			P099		P099					
P101	P101			P101		P101					
P102	P102			P102		P102				ľ	
P103	P103			P103		P103					
P104	P104			P104		P104					
P105	P105			P105	<u> </u>	P105		<u> </u>	]	<u> </u>	<u> </u>

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(WISTE ANALYSIS PLAN PAGE 18)

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Column	Column	Column	Column	Column	Column	Column	Column	Column	Column	Column
2	3	4	5	6	7	8	9	10	11	12
Module III			Module IV		Module	VI		Modi	ule IV	
(Containers	;)		(Tanks)		(Landfill	s)		(Other	Tanks)	
May store	May store	May treat	May treat	May treat	May dispose	May dispose	May store	May store	May store	May store
these	as ash	these	these	as ash	these	as ash	these	these	these	these
wastes	ONLY	wastes	wastes	ONLY	wastes	ONLY	wastes	wastes	wastes	wastes
	•	REACTION	STABIL.	STABIL.			SOLVENT	ACID	CAUSTIC	TREATED
		TANK	TANKS	TANKS			TANKS	TANKS	TANKS	
					10	(0				TANKS
(See Note 4)	(See No	otes 2,4)	(See Note 5)	(See Notes 2,5)	(See Note 5)	(See Not	es 2,3,6)			<u> </u>
P106			P106	·	P106					
P108			P108		P108				P108	
P109		1	P109		P109					
P110			P110		P110					· .
P111			P111		P111					
	P112			P112		P112				
P113			P113	1	P113					•
P114			P114		P114					
P115	· .		P115		P115					
P116			P116		P116	:				
P118			P118		P118					
P119			P119		P119					
P120			P120		P120					
P121			P121	Į	P121	1		1		
	P122	1		P122		P122				
P123			P123		P123	1			1	
D000			Paga		P999					1
	Column 2 Module III (Containers May store these wastes (See Note 4) P106 P108 P109 P110 P110 P111 P113 P114 P113 P114 P115 P116 P118 P119 P120 P121 P123 P999	Column Column 2 3 Module III (Containers) May store as ash wastes ONLY (See Note 4) (See Note P106 P108 P109 P109 P110 P111 P112 P112 P113 P114 P115 P116 P118 P119 P120 P120 P121 P122 P123 P999	Column 2Column 3Column 4Module III (Containers)May store as ash ONLYMay treat these wastesMay store these wastesMay store as ash ONLYMay treat these wastesREACTION TANK(See Note 4)(See*Notes 2,4)P106 P108 P109 P110 P111P112P106 P108 P109 P110 P111P112P116 P111P112P113 P114 P115 P116P112P118 P119 P120 P121 P121P122P123 P999P123P123 P999	Column 2Column 3Column 4Column 5Module III (Containers)May store as ash oNLYMay treat these wastesMay treat these wastesMay treat these wastesMay treat these wastesMay store these wastesMay store as ash ONLYMay treat these wastesMay treat these wastesMay store these wastesMay store onlyMay treat these wastesMay treat these wastesREACTION P106 P108 P109 P109 P110 P110 P111STABIL. TANKTANKSP106 P108 P109 P110 P110 P111P106 P108 P109 P110 P110 P111P106 P108 P109 P110 P110 P111P112 P113 	Column 2Column 3Column 4Column 5Column 6Module III (Containers)May store as ash ONLYMay treat these wastesMay treat these these wastesMay treat these these wastesMay treat these these wastesMay treat these 	Column 2Column 3Column 4Column 5Column 6Column 7Module III (Containers)May store as ash wastesMay treat these as ash ONLYMay treat these wastesMay treat these wastesMay treat these wastesMay treat these as ash ONLYMay treat these wastesMay treat these wastesMay treat these onlyMay treat these wastesMay treat these onlyMay treat these wastesMay treat these these onlyMay treat these wastesMay treat these wastesMay treat these these onlyMay treat these these wastesMay treat these these onlyMay treat these these these wastesMay treat these these these these onlyMay treat these <br< td=""><td>Column 2Column 3Column 4Column 5Column 6Column 7Column 8Module III (Containers)May store as ash ONLYMay treat these wastesMay treat these wastesMay treat these wastesMay treat these wastesMay treat as ash ONLYMay treat these wastesMay treat these wastesMay treat these as ash ONLYMay treat these wastesMay treat these wastesMay treat these wastesMay dispose as ash ONLYCee Note 4)(See Notes 2,4)(See Note 5)(See Notes 2,5)(See Note 6)(See Note P106P106 P108 P109P108 P109P108 P109P108 P109P108 P110 P110P110 P111P112 P112P112 P113P113 P114 P114P114 P115 P115P115 P116P116 P118 P118P118 P119 P119P112 P120 P120 P120 P121 P122P123 P123 P999P123 P999P123 P199</td><td>Column 2Column 3Column 4Column 5Column 6Column 7Column 8Column 9Module III (Containers)May store as ash ONLYMay store theseMay store as ash ONLYMay treat theseMay treat theseMay treat as ash wastesMay treat theseMay treat theseMay dispose as ash ONLYMay dispose theseMay store these wastesMay store theseMay dispose as ash ONLYMay store theseMay store these wastesMay store these wastesMay dispose as ash ONLYMay store these 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(Containers)Module VI (Containers)Module VI (Containers)Module VI (Containers)Module VI (Landfills)Module VI (Landfills)Module VI (Landfills)Module VI (Landfills)Module VI (Landfills)Module VI (Containers)Module VI (Containers)Module VI (Landfills)Module VI (Landfills)Module VI (Landfills)Module VI (Landfills)Module VI (Landfills)Module VI (Landfills)Module VI (Landfills)Module VI (Landfills)Module VI (Landfills)May store these wastesMay store these wastesMay store these wastesMay store these wastesMay store these wastesMay store these wastesMay store these these wastesMay store these these wastesMay store these these these these these theseMay store these these these these these these these these these these these these these these<br< td=""><td>Column 2         Column 2         Column 3         Column 4         Column 5         Column 6         Column 6         Column 1         Column 1</td></br<></br></td></td></br<>	Column 2Column 3Column 4Column 5Column 6Column 7Column 8Module III (Containers)May store as ash ONLYMay treat these wastesMay treat these wastesMay treat these wastesMay treat these wastesMay treat as ash ONLYMay treat these wastesMay treat these wastesMay treat these as ash ONLYMay treat these wastesMay treat these wastesMay treat these wastesMay dispose as ash ONLYCee Note 4)(See Notes 2,4)(See Note 5)(See Notes 2,5)(See Note 6)(See Note P106P106 P108 P109P108 P109P108 P109P108 P109P108 P110 P110P110 P111P112 P112P112 P113P113 P114 P114P114 P115 P115P115 P116P116 P118 P118P118 P119 P119P112 P120 P120 P120 P121 P122P123 P123 P999P123 P999P123 P199	Column 2Column 3Column 4Column 5Column 6Column 7Column 8Column 9Module III (Containers)May store as ash ONLYMay store theseMay store as ash ONLYMay treat theseMay treat theseMay treat as ash wastesMay treat theseMay treat theseMay dispose as ash ONLYMay dispose theseMay store these wastesMay store theseMay dispose as ash ONLYMay store theseMay store these wastesMay store these wastesMay dispose as ash ONLYMay store these wastesMay dispose as ash ONLYMay store these wastesMay dispose as ash ONLYMay store these wastesMay dispose these wastesMay store these wastesMay dispose as ash ONLYMay store these wastesMay dispose as ash ONLYMay store these wastesMay dispose these wastesMay store these wastesMay dispose these as ash ONLYMay store these wastesMay store these wastesMay dispose these wastesMay store these these wastesMay dispose these these wastesMay dispose these these these wastesMay treat these these these these these theseMay dispose these <td>Column 2Column 3Column 4Column 5Column 6Column 7Column 8Column 9Column 10Module III (Containers)Module IV (Tanks)Module IV (Landfills)Module VI (Landfills)Module VI (Containers)Module VI (Containers)Module VI (Containers)Module VI (Landfills)Module VI (Landfills)Module VI (Landfills)Module VI (Containers)Module VI (Containers)Module VI (Containers)Module VI (Containers)Module VI (Landfills)Module VI (Landfills)Module VI (Landfills)Module VI (Containers)Module VI (Containers)Module VI (Containers)Module VI (Containers)Module VI (Landfills)Module VI (Landfills)Module VI (Landfills)Module VI (Landfills)Module VI (Landfills)Module VI (Containers)Module VI (Containers)Module VI (Landfills)Module VI (Landfills)Module VI (Landfills)Module VI (Landfills)Module VI (Landfills)Module VI (Landfills)Module VI (Landfills)Module VI (Landfills)Module VI (Landfills)May store these wastesMay store these wastesMay store these wastesMay store these wastesMay store these wastesMay store these wastesMay store these these wastesMay store these these wastesMay store these these these these these theseMay store these these these these these these these these these these these these these these<br< td=""><td>Column 2         Column 2         Column 3         Column 4         Column 5         Column 6         Column 6         Column 1         Column 1</td></br<></br></td>	Column 2Column 3Column 4Column 	Column 2         Column 2         Column 3         Column 4         Column 5         Column 6         Column 6         Column 1         Column 1

(WASTE ANALYSIS PLAN PAGE 19)

Column	Column	Column	Column	Column	Column	Column	Column	Column	Column	Column	Column
1	2	3	4	5	6	7	8	9	10	11	12
	Module III			Module IV		Module	VI		Mod	ule IV	
EPA	(Containers	;)		(Tanks)		(Landfill	ls)		(Other	Tanks)	
Waste	May store	May store	May treat	May treat	May treat	May dispose	May dispose	May store	May store	May store	May store
Code	these	as ash	these	these	as ash	these	as ash	these	these	these	these
LISU	wastes	ONLY	wastes	wastes	ONLY	wastes	ONLY	wastes	wastes	wastes	wastes
			REACTION	STABIL.	STABIL.			SOLVENT	ACID	CAUSTIC	TREATED
			TANK	TANKS	TANKS			TANKS	IANKS	TANKS	
		(0		(Cap Mate 5)	(See Notes 2.5)	(See Note 6)	(See No	ac 236)			TANAS
(See Note 1)	(See Note 4)	(See No	Dies 2,4)	(See Note 5)	(See Noles 2,5)	(See Note 6)		es 2,3,0)	<u> </u>		
U001	U001			U001		0001					
U002	U002			U002		U002		0002			
U003	U003			U003		U003					
U004	U004			U004		U004					
U005	U005			U005		U005					
U006		U006			U006		U006				-
U007	U007		1	U007		U007					
U008	U008			U008		U008					
U009	U009			U009		U009					
U010	U010			U010		U010		ļ			
U011	U011			U011		U011					
U012	U012			U012 ·		U012					
U014	U014	/		U014		U014					1
U015	U015	1		U015		U015					
U016	U016			U016		U016					
U017	U017			U017		U017					
U018	U018			U018		U018				1	
U019	U019		1	U019		U019		U019			

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# USPCI, Grassy Mountain Revised RCRA Permit April 15, 1996

Column	Column	Column	Column	Column	Column	Column	Column	Column	Column	Column	Column
1	2	3	4	5	6	7	8	9	10	11	12
	Module III			Module IV		Module	VI		Mod	ule IV	
EPA	(Containers	5)		(Tanks)		(Landfill	s)		(Other	Tanks)	
Waste	May store	May store	May treat	May treat	May treat	May dispose	May dispose	May store	May store	May store	May store
Code	these	as ash	these	these	as ash	these	as ash	these	these	these	these
LISU	wastes	ONLY	wastes	wastes	ONLY	wastes	ONLY	wastes	wastes	wastes	wastes
			REACTION	STABIL.	STABIL.			SOLVENT	ACID	CAUSTIC	TREATED
			TANK	TANKS	TANKS			TANKS	TANKS	IANKS	
(See Note 1)	(See Note 4)	(See No	1 otes 2,4)	(See Note 5)	(See Notes 2,5)	(See Note 6)	(See Not	es 2,3,6)			TARKS
11020		11020			1020		U020				
U021	U021	0020		U021	0020	U021	0020				
U022	U022			U022		U022					
U023		U023			U023		U023				
U024	U024		. ·	U024		U024					
U025	U025			U025		U025	1		Į		
U026	U026			U026		U026		· · · · · ·		· · · · · · · · · · · · · · · · · · ·	
U027	U027			U027		U027	l .				
U028	U028			U028		U028					
U029	U029			U029		U029					
U030	U030			U030		U030					
U031	U031			U031		U031		U031			
U032	U032			U032		U032					
U033		U033			U033		U033				
U034	U034			U034		U034					
U035	U035			U035		U035					
U036	U036			U036		U036	ļ				· · ·
U037	U037		ļ	U037		U037		U037			

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Column	Column	Column	Column	Column	Column	Column	Column	Column	Column	Column	Column
· 1	2	3	4	5	6	7	8	9	10	11	12
	Module III			Module IV	. •	- Module	VI		Modu	ule IV Taalaa)	
EPA	(Containers	5)		(Tanks)		(Landfill	s)		(Other	Tanks)	
Waste	May store	May store	May treat	May treat	May treat	May dispose	May dispose	May store	May store	May store	May store
Code	these	as ash	these	these	as ash	these	as ash	these	these	these	these
LISU	wastes	ONLY	wastes	wastes	ONLY	wastes	UNLY	wastes	wastes	wastes	Wastes
			REACTION	STABIL.	STABIL.		-	SOLVENT		CAUSTIC	
			TANK	TANKS	TANKS		· ·	IANKS	TANKS	TANKS	TANKS
(See Note 1)	(See Note 4)	(See No	1 otes 2,4)	(See Note 5)	(See Notes 2,5)	(See Note 6)	(See Not	es 2,3,6)			
11038	U038			U038		U038					
1039	U039			U039		U039					
U041	U041			U041		U041			1		
U042	U042			U042		U042					
U043	U043			U043		U043					
U044	U044	•		U044	1	U044		ļ		1	
U045	U045			U045		U045				1	•
U046	U046			U046		U046	-				
U047	U047			U047		U047		ļ			
U048	U048		1	U048		U048					
U049	U049			U049		U049					
U050	U050			U050		U050		1			
U051	U051			U051		U051				U051	
U052	U052			U052		U052		U052	<u> </u>		
U053	U053			U053		U053					
U055	U055			U055		U055					
U056	U056		·	U056		U056					
U057	U057			U057		U057		U057			1

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(1" TE ANALYSIS PLAN PAGE 22)

Column	Column	Column	Column	Column	Column	Column	Column	Column	Column	Column	Column
1	2	3	4	5	6	7	8	9	10	11	12
	Module III			Module IV		Module	VI		Mod	ule IV	
EPA	(Containers	;)		(Tanks)		(Landfill	ls)		(Other	Tanks)	
Waste	May store	May store	May treat	May treat	May treàt	May dispose	May dispose	May store	May store	May store	May store
Code	these	as ash	these	these	as ash	these	as ash	these	these	these	these
	wastes	ONLY	wastes	wastes	ONLY	wastes	UNLY	wastes	wastes	wastes	wastes
			REACTION	STABIL.	STABIL.			SOLVENT	ACID	CAUSTIC	TREATED
			IANK	TANKS	IANKS			IANKS	TANKS	TANKS	
(See Note 1)	(See Note 4)	(See No	1 otes 2,4)	(See Note 5)	(See Notes 2,5)	(See Note 6)	(See Not	l les 2,3,6)			- Traine
U058	U058			U058		U058					
U059	U059			U059		U059					
U060	U060			U060		Ü060					
U061	U061		-	U061		U061					
U062	U062		l.	U062		U062					
U063	U063			U063		U063					
U064	U064	-		U064		U064					•
U066	U066			U066		U066	ł				
U067	U067			U067		U067		•			
U068	U068			U068		U068					
U069	U069			U069		U069					ļ
U070	U070			U070		U070		U070		-	
U071	U071			U071		U071					
U072	U072			U072		U072					
U073	U073			U073		U073					
U074	U074		<u> </u>	U074		U074		· · · · · · · · · · · · · · · · · · ·	<u> </u>	ļ	<u> </u>
U075	U075			U075		U075					
U076	U076			U076	1	U076	1			ļ	1

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(WASTE ANALYSIS PLAN PAGE 23)

Column	Column	Column	Column	Column	Column	Column <sup>•</sup>	Column	Column	Column	Column	Column
1	2	. 3	4	5	6	7	8	9	10	11	12
	Module III			Module IV		Module	VI		Modu	lle IV	
EPA	(Containers	\$)		(Lanks)		(Landfill	<u>s)</u>	r	Uner		
Waste	May store	May store	May treat	May treat	May treat	May dispose	May dispose	May store	May store	May store	May store
Code	these	as ash	these	these	as ash	these	as ash	these	these	tnese	these
LIST	wastes	ONLY	wastes	wastes	UNLY	wastes	UNLY	wastes	wastes	wastes	wastes
			REACTION	STABIL.	STABIL.			SOLVENT	ACID		IREATED
			ΤΑΝΚ	TANKS	TANKS			TANKS	TANKS	TANKS	TANKG
(Day 11)	(Con Mate 4)	10 hi-	100 2 41	(See Note 5)	(See Notes 2 5)	(See Note 6)	(See Not	es 2.3.6)			
(See Note 1)	(See Note 4)									<b></b>	<u> </u>
U077	U077	1		00//						l .	
U078	U078			U078	Į	0078		ļ			
U079	U079			U079		U079	·		<b> </b>		
U080	U080		1	U080		U080		U080	, ,	ļ	
U081	U081			U081		U081					
U082	U082			U082		U082			1		
U083	U083			U083		U083					• · · ·
U084	U084	<u> </u>		U084	L	U084	<u></u>	Į	· · · · · · · · · · · · · · · · · · ·		
U085	U085			U085		U085				1	
U086	U086			U086		U086	1				
U087	U087			U087		U087			[		
U088	U088	1		U088	1	U088					
U089	U089		<u> </u>	U089	<u> </u>	U089	<u></u>	<b> </b>	ļ	<b>.</b>	
U090	U090			U090		U090					
U091	U091			U091		U091					
U092	U092			U092		U092					
U093	U093			U093		U093			ļ		
1094	U094			U094		U094			]		

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(" TTE ANALYSIS PLAN PAGE 24)

Column	Column	Column	Column	Column	Column	Column	Column	Column	Column	Column	Column
1	2	3	4	5	6	7	. 8	9	10	11	12
	Module III			Module IV		Module	VI		Modu	ule IV	
EPA	(Containers	s)		(Tanks)		(Landfil	s)		(Other	lankş)	
Waste	May store	May store	May treat	May treat	May treat	May dispose	May dispose	May store	May store	May store	May store
List	these	as ash	these	these	as ash	these	as ash	these	these	these	these
LISL	wastes	ONLY	wastes	wastes	ONLY	wastes	ONLY	wastes	wastes	wastes	wastes
			REACTION	STABIL.	STABIL.			SOLVENT	ACID	CAUSTIC	
			IANK	IANKS	IANKS			IANKS	TANKS	IANKS	
(See Note 1)	(See Note 4)	(See No	tes 2.4)	(See Note 5)	(See Notes 2.5)	(See Note 6)	(See Not	es 2,3,6)			
11005	11095	· · · · · · · · · · · · · · · · · · ·		11095		1095					
10095	0035	11096		0000	1 1096		1096				
11097	11097	0000		11097		1097					
11098	11098			11098		0000					
11090	11099			U099		U099					
11101	U101			U101		U101					
U102	U102			U102	1	U102					
U103	U103			U103		U103				ļ	
U105	U105			U105	-	U105		· ·	· ·		ļ
U106	U106			U106	1	U106	ļ		ļ	ļ	
U107	U107			U107		-U107					,
U108	U108			U108		U108					
U109	U109			U109		U109					
U110	U110			U110		U110					
U111	U111			U111		U111					
U112	U112			U112		U112		U112			
U113	U113			U113		U113					
U114	U114			U114		U114		1			

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(WASTE ANALYSIS PLAN PAGE 25)

Column	Column	Column	Column	Column	Column	Column	Column	Column	Column	Column	Column
1	2	3	4	5	6	7	8	9	10	11	12
	Module III			Module IV		Module	VI		Modi	ule IV	
EPA	(Containers	5)	1	(Tanks)		(Landfill	s)		(Other	Tanks)	
Waste	May store	May store	May treat	May treat	May treat	May dispose	May dispose	May store	May store	May store	May store
Code	these	as ash	these	these	as ash	these	as ash	these	these	these	these
List	wastes	ONLY	wastes	wastes	ONLY	wastes	ONLY	wastes	wastes	wastes	wastes
			REACTION	STABIL.	STABIL.			SOLVENT	ACID	CAUSTIC	TREATED
			TANK	TANKS	TANKS			TANKS	TANKS	TANKS	LIQUID
											TANKS
(See Note 1)	(See Note 4)	(See No	oles 2,4)	(See Note 5)	(See Notes 2,5)	(See Note 6)	(See Not	es 2,3,6)	l		
U115	U115			U115		U115					
U116	U116			U116		U116					
U117	U117			U117		U117		U117			
U118 ·	U118			U118		U118					
U119	U119			U119		U119					
U120	U120			U120		U120					
U121	U121			U121		U121		U121			
U122	U122			U122		U122					
U123	U123			U123	•	U123				· ·	
U124	U124			U124		U124 .					
U125	U125			U125		U125		1			
U126	U126			U126		U126					
U127	U127			U127	1	U127					
U128	U128			U128	ļ	U128					
U129	U129			U129		U129					
U130	U130		1	U130		U130			ļ		
U131	U131		l	U131		U131			<u> </u>		
U132	U132			U132		U132					

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(W' TE ANALYSIS PLAN PAGE 26)

Column	Column	Column	Column	Column	Column	Column	Column	Column	Column	Column	Column
1	2	3	4	5	6	7	8	9	10	11	12
	Module III			Module IV		Module	VI		Modu	ule IV	
EPA	(Containers	5)		(Tanks)		(Landfill	s)		(Other	Tanks)	
Waste	May store	May store	May treat	May treat	May treat	May dispose	May dispose	May store	May store	May store	May store
Code	these	as ash	these	these	as ash	these	as ash	these	these	these	these
List	wastes	ONLY	wastes	wastes	ONLY	wastes	ONLY	wastes	wastes	wastes	wastes
			REACTION	STABIL.	STABIL.			SOLVENT	ACID	CAUSTIC	TREATED
			TANK	TANKS	TANKS	-		TANKS	IANKS	TANKS	TANKS
(See Note 1)	(See Note 4)	(See N	l otes 2.4)	(See Note 5)	(See Notes 2,5)	(See Note 6)	(See Not	es 2,3,6)			
		11133			U133		U133				
11134	11134	0100		U134		U134			U134		U134
11135	11135		U135	U135		U135					U135
11136	11136			U136		U136				U136	
11137	11137			U137		U137			]		
11138	U138			U138		U138					
0.00	U139			U139		U139					
U140	U140			U140		U140		U140			
U141	U141		1	U141		U141			<u> </u>		
U142	U142		· ·	U142		U142					
U143	U143			U143		U143					
U144	U144			U144		U144					
U145	U145	1		U145		U145					
U146	U146			U146		U146			<u> </u>		
U147	U147			U147		U147					
U148	U148	1		U148		U148					
U149	U149			U149	1	U149			1		
U150	U150			U150		U150		1			

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Column	Column	Column	Column	Column	Column	Column	Column	Column	Column	Column	Column
1	2	3	4	5	6	7	8	9	10	11	12
	Module III			Module IV		Module	VI		Mod	ule IV	
EPA	(Containers	5)		(Tanks)		(Landfill	s)	·	(Other	Tanks)	
Waste	May store	May store	May treat	May treat	May treat	May dispose	May dispose	May store	May store	May store	May store
Code	these	as ash	these	these	as ash	these	as ash	these	these	these	these
	wastes	ONLY	wastes	wastes	UNLY	wastes	UNLY	wastes	wastes	wastes	wastes
			REACTION	STABIL.	STABIL.			SOLVENT	ACID	CAUSTIC	TREATED
			TANK	TANKS	TANKS			TANKS	TANKS	TANKS	
		(0 N		(0 Note 5)	(Care Marian 2 5)	(Cas Mate C)	(Cop Not				TANKS
(See Note 1)	(See Note 4)	(See No	otes 2,4)	(See Note 5)	(See Notes 2,5)	(See Note 6)	(See Not	es 2,3,0)	<u> </u>	1 	· · · · · · · · · · · · · · · · · · ·
U151	U151			<u>U151</u> .		<u>U151</u>					
U152	U152			U152		U152					
U153	U153			U153		U153					
U154	U154			U154		U154		U154			
U155	U155			U155		U155	. 			1	
U156	U156			U156		U156					
U157		U157			U157		U157				
U158	U158			U158		U158				· ·	
U159	U159			U159		U159		U159			
U160		U160			U160	ļ	U160				
U161	U161			U161		U161		U161			
U162	U162			U162		Ú162				1	
U163	U163			U163		U163					
U164	U164		1	U164		U164					
U165	U165			U165		U165					
U166	U166			U166		U166					
U167	U167			U167		U167				U167	
U168	U168			U168		U168				U168	

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Column	Column	Column	Column	Column	Column	Column	Column	Column	Column	Column	Column
1	2	3	. 4	5	6	7	8	9	10	11	. 12
	Module III			Module IV		Module	VI		Modu	ile IV	
EPA	(Containers	3)		(Tanks)		(Landfill	s)		(Other	Tanks)	
Waste	May store	May store	May treat	May treat	May treat	May dispose	May dispose	May store	May store	May store	May store
Code	these	as ash	these	these	as ash	these	as ash	these	these	these	these
List	wastes	ONLY	wastes	wastes	ONLY	wastes	ONLY	wastes	wastes	wastes	wastes
			REACTION	STABIL.	STABIL.			SOLVENT	ACID	CAUSTIC	TREATED
			TANK	TANKS	TANKS			TANKS	TANKS	TANKS	
ļ						10 Marta 01	(0	0.0 0			TANKS
(See Note 1)	(See Note 4)	(See No	oles 2,4)	(See Note 5)	(See Notes 2,5)	(See Note 6)	(See Not	es 2,3,0)	l		
U169	U169			U169		U169		U169			
U170	U170			U170		U170					
U171	U171			<u>U171</u>		<u>U171</u>		<u> </u>			
U172	U172			U172		U172					
U173	U173	ļ		U173	· ·	U173		İ			
U174	U174			U174		U174				F 1	· ·
	U175					-					•
U176	U176			U176		U176	<u> </u>		·		
U177	U177			U177		U177					
U178	U178			U178		U178					
U179	U179			U179		U179					
U180	U180			U180		U180					
U181	U181			U181		U181				<u> </u>	· · · · · · · · · · · · · · · · · · ·
U182	U182			U182		U182					
U183	U183			U183		U183					.
U184	U184			U184		U184	1				
U185	U185			U185	1	U185					
U186	U186		l l	U186	1	U186					

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(WASTE ANALYSIS PLAN PAGE 29)

Column	Column	Column	Column	Column	Column	Column	Column	Column	Column	Column	Column
1	2	3	4	5	6	7	8	9	10	11	12
	Module III			Module IV		Module	VI		Mode	ule IV	
EPA	(Containers	<u>s)</u>		(Tanks)		(Landfill	s)		(Other	Tanks)	
Waste	May store	May store	May treat	May treat	May treat	May dispose	May dispose	May store	May store	May store	May store
Code	these	as ash	these	these	as ash	these	as ash	these	these	these	these
LISU	wastes		wastes	wastes	ONLY	wastes	ONLY	wastes	wastes	wastes	wastes
			REACTION	STABIL.	STABIL.		•	SOLVENT	ACID	CAUSTIC	TREATED
			TANK	TANKS	TANKS			TANKS	TANKS	TANKS	
(See Note 1)	(San Note 4)	(See b)		(See Note 5)	(See Notes 2.5)	(See Mote 6)	(See Not	000 2 3 6)			TANKS
									[		
0187	0187			0187		0187					
U188	U188		U188	U188		U188			U188		U188
U189		U189	i		U189		U189	4 			
U190	U190			U190		U190					
U191	U191			U191		U191					
U192	U192			U192		U192					
U193	U193			U193		U193	1				
U194	U194			U194		U194				U194	
U196	U196			U196		U196		U196			
U197	U197	,		U197		U197					
U200	U200			U200		U200		}			
U201	U201			U201		U201					
U202	U202			U202		U202					
U203	U203			U203		U203					
U204	U204		U204	U204		U204					·
U205		U205			U205		U205				
U206	U206			U206		U206					
U207	U207		1	U207	]	U207	1			ļ	

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(W' TE ANALYSIS PLAN PAGE 30)

Column	Column	Column	Column	Column	Column	Column	Column	Column	Column	Column	Column
1	2	3	4	5	6	7	8	9	10	11	12
	Module III			Module IV		Module	VI		Modi	He IV	
EPA	(Containers	;)		(Tanks)		(Landfill	s)		(Other	Tanks)	
Waste	May store	May store	May treat	May treat	May treat	May dispose	May dispose	May store	May store	May store	May store
Code	these	as ash	these	these	as ash	these	as ash	these	these	these	these
LISU	wastes	ONLY	wastes	wastes	UNLY	wastes	UNLT	wastes	wastes	wastes	wastes
			REACTION	STABIL.	STABIL.			SOLVENT		CAUSTIC	
			ΤΑΝΚ	TANKS	TANKS			TANKS	IANKS	TANKS	TANKS
(See Note 1)	(See Note 4)	(See No	tes 2,4)	(See Note 5)	(See Notes 2,5)	(See Note 6)	(See No	es 2,3,6)			
11208	U208			U208		U208					
U209	U209			U209		U209					
U210	U210			U210		U210		U210			
U211	U211			U211		U211		U211			
U213	U213			U213		U213	 				
U214	U214			U214		U214					,
U215	U215			U215		U215	ļ				4
U216	U216			U216		U216			ĺ		
U217	U217			U217		U217					
U218	U218		1	U218		U218					
U219	U219			U219		U219					
U220	U220		<u> </u>	U220		U220		<u>U220</u>		ļ	
U221	U221			U221		U221				1	
U222	U222			U222		U222					
U223		U223			U223		U223				
U225	. U225			U225		U225					
U226	U226	1		U226		U226		U226	<u> </u>	·	<u> </u>
U227	U227			U227		U227	1	U227		1	

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Column	Column	Column	Column	Column	Column	Column	Column	Column	Column	Column	Column
1	2	3	4	5	6	7	8	9	10	11	12
	Module III			Module IV		Module	VI		Modu	le IV	
EPA	(Containers	5)		(Tanks)		(Landfill	s)		(Other	Tanks)	
Waste	May store	May store	May treat	May treat	May treat	May dispose	May dispose	May store	May store	May store	May store
Code	these	as ash	these	these	as ash	these	as ash	these	these	these	these
LISt	wastes	ONLY	wastes	wastes	ONLY	wastes	UNLY	wastes	wastes	wastes	wastes
			REACTION	STABIL.	STABIL.		•	SOLVENT		CAUSTIC	TREATED
			ΤΑΝΚ	TANKS	TANKS			TANKS	IANKS	IANKS	
		(Ca-1)		(See Note 5)	(Saa Nataa 2 E)	(San Nota 6)	(See Not	ec 2 3 6)			17.11.0
(See Note 1)	(See Note 4)		1		10165 2,5)				I	l	<u> </u>
U228	U228		1	U228		U228		0228			
U234		U234			U234		0234				
U235	U235		· ·	U235	ļ	U235					1
U236	U236			U236		U236	<u> </u>		ļ		
U237	U237	· ·		U237		U237					
U238	U238			U238		U238					
U239	U239			U239		U239		U239			•
U240	U240	1	Į	U240		U240					
U243	U243			U243		U243	1				
U244	U244			U244		U244					
U246	U246			U246		U246					
U247	U247			U247		U247					
U248		U248			U248		U248				
U249		U249			U249		U249				· · · · · · · · · · · · · · · · · · ·
U328		U328			U328	1	U328				
U353		U353			U353		. U353				
U359	1	U359			U359		U359				
				l		1					<u> </u>

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Column	Column	Column	Column	Column	Column	Column	Column	Column	Column	Column	Column
1	2	3	4	5	6	7	8	9	10	11	12
	Module III			Module IV		Module	VI		Modu	ule IV	
EPA	(Containers	3)		(Tanks)		(Landfill	s)		(Other	Tanks)	
Waste	May store	May store	May treat	May treat	May treat	May dispose	May dispose	May store	May store	May store	May store
Code	these	as ash	these	these	as ash	these	as ash	these	these	these	these
List	wastes	ONLY	wastes	wastes	ONLY	wastes	ONLY	wastes	wastes	wastes	wastes
			REACTION	STABIL.	STABIL.	· · · · · · · · · · · · · · · · · · ·		SOLVENT	ACID	CAUSTIC	TREATED
			TANK	TANKS	TANKS			TANKS	TANKS	TANKS	LIQUID
			·	1							TANKS
(See Note 1)	(See Note 4)	(See No	otes 2,4)	(See Note 5)	(See Notes 2,5)	(See Note 6)	(See Not	es 2,3,6)			
NOTES:	1. "EPA LIST	(Column 1)									
·	2. Under the	. Under the permit "ash" means any "waste residues from incineration."									
	On-site ge	enerated wast	es derived fro	m the handling	g of incineration	on residues					
	shall be m	anaged in the	same manne	r as the incine	eration residu	es themselves	5.				
	3. For the die	oxin wastes m	arked with an	"", only certa	ain ash waste:	S					<u> </u>
	may be h	andled. Refe	r also to the S	upplmental W	aste Manage	ment Plan,					
	Attachme	ent II-8.							•		•
	4. If a waste code is listed in both Columns 2 and 3, Column 3 shall control.										
	5. If a waste code is listed in both Columns 5 and 6, Column 6 shall control.										
	6. If a waste code is listed in both Columns 7 and 8, Column 8 shall control.										
	6. If a waste code is listed in both Columns 7 and 8, Column 8 shall control.										
		1	1			1			1	1	

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Column	Column	Column	Column	Column	Column	Column	Column	Column	Column	Column	Column
1	2	3	4	5	6	7	8	9	10	11	12
EPA	Module III (Containers	5)		Module IV (Tanks)		Module (Landfill	VI s)		Mode Other	ule IV Tanks)	
Waste Code List	May store these wastes	May store as ash ONLY	May treat these wastes	May treat these wastes	May treat as ash ONLY	May dispose these wastes	May dispose as ash ONLY	May store these wastes	May store these wastes	May store these wastes	May store these wastes
			TANK	TANKS	TANKS			TANKS	TANKS	TANKS	LIQUID
(See Note 1)	(See Note 4)	(See No	otes 2,4)	(See Note 5)	(See Notes 2,5)	(See Note 6)	(See Not	es 2,3,6)			
		Ne	ewly-Listed Ha	zardous Was	tes ·						
			(EPA, Febru	iary 9, 1995)					. •		
K156				•							
K157											
K158						r.					
K159											
K160											•
K161											
								•			
P127											
P128			· .								
P185											
P188					<u> </u>						
P188											
P189											
P190											
P191											

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(WASTE ANALYSIS PLAN PAGE 34)

Column	Column	Column	Column	Column	Column	Column	Column	Column	Column	Column	Column
1	2	3	4	5	6	7	8	9	10	11	12
	Module III			Module IV		Module	VI		Modu	ule IV	
EPA	(Containers	s)		(Tanks)		(Landfill	s)		(Other	Tanks)	
Waste	May store	May store	May treat	May treat	May treat	May dispose	May dispose	May store	May store	May store	May store
Code	these	as ash	these	these	as ash	these	as ash	these	these	these	these
LISU	wastes	ONLY	wastes	wastes	ONLY	wastes	UNLT	wastes	wastes	wastes	wastes
			REACTION	STABIL.	STABIL.			SOLVENT	ACID	CAUSTIC	
			TANK	TANKS	TANKS			TANKS	TANKS	IANKS	TANKS
(See Note 1)	(See Note 4)	(See No	otes 2,4)	(See Note 5)	(See Notes 2,5)	(See Note 6)	(See Not	es 2,3,6)			
P192											
P194											
P194											
P196										<b>_</b>	
P196					·						
P197		· .				,					
P197						<u> </u>		ļ			ļ
P198								•			ļ
P199					<u> </u>						ļ
P201			1	 			ļ				·
P202		<u> </u>									
P203		· · · · · · · · · · · · · · · · · · ·							<u> </u>		
P204		· · · · · · · · · · · · · · · · · · ·						ļ	ļ	<u> </u>	<u> </u>
P205				· · ·				ļ		l	ļ
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U271											
U277						1					

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Column	Column	Column	Column	Column	Column	Column	Column	Column	Column	Column	Column
1	2	3	4	5	6	7	8	9	10	11	12
	Module III			Module IV		Module	VI		Modi	ule IV	
EPA	(Containers	<u>5)</u>		(Tanks)		(Landfill	s)		(Other	Tanks)	
Waste	May store	May store	May treat	May treat	May treat	May dispose	May dispose	May store	May store	May store	May store
Code	these	as ash	these	these	as ash	these	as ash	these	these	these	these
LISU	wastes	ONLY	wastes	wastes	ONLY	wastes	ONLY	wastes	wastes	wastes	wastes
			REACTION	STABIL.	STABIL.			SOLVENT	ACID	CAUSTIC	TREATED
			TANK	TANKS	TANKS			TANKS	TANKS	TANKS	
		(0	1			(C N-+- C)	(Cas Nat				TANKS
(See Note 1)	(See Note 4)	(See N	otes 2,4)	(See Note 5)	(See Notes 2,5)	(See Note 6)	(See Not	es 2,3,6)			<u> </u>
U278											
U279											
U280											
U364											
U365											
U366											
U367		· .	ļ								•
U372	·										
U373											
U375											
U376				ļ					<u> </u>		
U377					ļ						<u> </u>
U378											
U379											
U381	·										<u> </u>
U382											
U383							<u> </u>	1			

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(W' TE ANALYSIS PLAN PAGE 36)

Column	Column	Column	Column	Column	Column	Column	Column	Column	Column	Column	Column
1	2	3	4	5	· 6	7	8	9	10	11	12
·	Module III	i		Module IV		Module	VI	<b></b>	Modi	ule IV	
EPA	(Containers	5)		(Tanks)		(Landfill	s)		(Other	Tanks)	
Waste	May store	May store	May treat	May treat	May treat	May dispose	May dispose	May store	May store	May store	May store
Code	these	as ash	these	these	as ash	these	as ash	these	these	these	these
LIST	, wastes	ONLY	wastes	wastes	ONLY	wastes	ONLY	wastes	wastes	wastes	wastes
			REACTION	STABIL.	STABIL.			SOLVENT			
			IANK	TANKS	TANKS			TANKS	TANKS	TANKS	TANKS
(See Note 1)	(See Note 4)	(See N	otes 2,4)	(See Note 5)	(See Notes 2,5)	(See Note 6)	(See Not	es 2,3,6)			
U384											
U385											
U386											
U387									·		
U389											
U390							·				
U391		<u> </u>									
U392									·		
U393								·		ļ	
U394											
U395					ļ	· · · · · · · · · · · · · · · · · · ·					<u> </u>
U396					<u> </u>						
U400							l				
U401		<u></u>							· · · · ·		
U402					<u></u>		<u> </u>				
U403		<u> </u>		ļ	<u> </u>						·
U404	1						<u> </u>	<u> </u>	1		<u> </u>

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Column	Column	Column	Column	Column	Column	Column	Column	Column	Column	Column	Column
1	2	3	4	5 ·	6	7	8	9	10	11	12
EPA	Module III (Containers	5)		Module IV (Tanks)		Module (Landfil	VI Is)		`Mod (Other	ule IV Tanks)	
Waste Code List	May store these wastes	May store as ash ONLY	May treat these wastes	May treat these wastes	May treat as ash ONLY	May dispose these wastes	May dispose as ash ONLY	May store these wastes	May store these wastes	May store these wastes	May store these wastes
		-	REACTION TANK	STABIL. TANKS	STABIL. TANKS			SOLVENT TANKS	ACID TANKS	CAUSTIC TANKS	TREATED LIQUID TANKS
(See Note 1)	(See Note 4)	(See N	otes 2,4)	(See Note 5)	(See Notes 2,5)	(See Note 6)	(See Not	es 2,3,6)			
U407					•						
U409											
U410											
U411				l		<u> </u>	<u> </u>	l	L	<u> </u>	1

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, Waste Codes	· · · · · · · · · · · · · · · · · · ·					<u> </u>	0320
Applicable EPA listed waste codes (F,K,U or P)				Sarte w	asts codes		
Code Characteria Manta la black bay India	100 M/A)	Actual Bange	T				Actual Banos
D001 Ionitable (I o <140° F)			0 0015	Toxaphene		≥0.5 mg/l	
Tignitable liquids 13 High TOC (>107	K) NWW		0016	2.4-D		≥10.0 mg/l	
Doddzers			0 0017	2.4.5-TP Sive	ik.	≥1.0 mg/l	
T Reactives			LI D018	Benzene		20.5 mg/l	
Compressed Gases			0 0019	Carbon tetrac	Noride	≥0.5 mg/l	
D002 Comparise (pHs2 or 212.5)			L) D020	Chlordane		20.03 mg/l	ļ
Acid liquids Alkaline liquids			0 0021 .	Chlorobenzer	le '	2100.0 mg/l	
Other corrosive liquids			CI D022	Chloroform		26.0 mg/l	
D003 Reactive			0023	0-Cresol		≥200.0 mg/l	<u>-</u>
Reactive sulfides U Explosives			0 0024	m-Cresci		≥200.0 mg/l	
Water reactives	03		0025	p-Cresol		≥200.0 mg/l	
Cher reactives			D025 ل	Cresol		≥200.0 mg/l	
D004 Arsenic	≥5.0 mg/t		0 0027	1,4-Dichlorob	909109	≥7.5 mg/l	·
D005 Barium	≥100.0 mg/l		D026	1,2-Dichloroel	thane	≥0.5 mg/1	
D006 Cadmium	^om 0.1≤		0029	1,1-Dichloroel	thylene	≥0.7 mg/l	
C Cadmium batteries			0 0030	2,4-Dimtrotok	ene	≥0.13 mg/t	<u> </u>
D007 Chromium	≥5.0 mg/i		LÜ 0031	Heptachlor (a	nd its epoxide)	≥0.008 mg/i	
D008 Lead	≥5.0 mg/l		0032	Hexachiorobe	nzene	≥0.13 mg/l	
E Leed acid batteries				Hexachiorobu	tadiene	20.5 mg/	
D009 Mercury	≥0.2 mg/l		0034	Hexachioroed	hane	≥3.0 mg/l	
High mercury-organics (>260 mg/kg)				Methyl ethyl k	etone	≥200.0 mg/l	
High mercury-inorganics (>260 mg/kg)			00036	Nitrobenzene		≥2.0 mg/l	<u> </u>
Cincin, residues			0 0007	Pentachioropi	henol	≥100.0 mg/î	
C Low mercury (<260 mg/kg)			0038	Pyridine		≥5.0 mg/t	·
D010 Selenkum	≥1.0 mg/l		00039	Tetrachioroed	iylane	20.7 mg/l	<del>.</del>
D011 Silver	≥5.0 mg/l		10000	Techloroethyl	ane	20.5 mg/i	
D012 Endm	≥0.02 mg/l		0.0041	2.4.5-Trichlor	ophenol	≥400.0 mg/l	
D013 Lindene	20.4 mg/l		0 0042	2,4,6-Trichlon	Ionariqu	≥2.0 mg/i	
D014 Methoxychior	≥10.0 mg/l		C1 0043	Vinyl chloride		≥0.2 mo/i	
Land Disposal Restriction Standam derai Land Disposal Restriction etandards: (ci doss not meet any applicable standards treased to meet all applicable standards meets all applicable standards without treatment needs to be treated to meet certain treatment eta	rds heck one) Inderds	': HOC > 1000 mg/l ⊇ bualium > 130 mg/l ⊒ nickel > 134 mg/l		State Land Dis C does not man treated to me , meets 44 app E needs to be 1	posal Restriction it any applicable si et all applicable si incable stancards in mated to mean of the	standards; (check tandards andards mithout treatment tain streatment stand tain streatment stand	if applicable)
Land Disposal Restriction Standar rearal Land Disposal Restriction standards: (cl does not meet any applicable standards (meets all applicable standards meets all applicable standards without treatment in education and the meet certain beatment state no learnary-mandated treatment standards appli- 201-0002 Wartes Polentially Regulated Under- oritains any constituents for which a lisetment statement statem	rds heck one) underds y 40 CFA § 268, underd has bee	1: HOC > 1000 mp/l 2: tradium > 130 mp/l 5: notel > 134 mp/l 37 n established in relation	to F039 (multi	State Land Dia does not men treated to me , mean af acc needs to be 1 no state-man -source leachata)	Dosel Restriction of any applicable st et all applicable st incable standards readed to meet der dated treatment st 	standards; (check sandards andards mbout treatment tan treatment stanc tandards epply	if eppicable)
Land Disposal Restriction Standar derai Land Disposel Restriction standards: (cl does not meet any applicable standards treased to meet all applicable standards meets all applicable standards without treatment in bedrafy-mandated treatment standards appli policy of the standards without treatment all no bedrafy-mandated treatment standards appli- policy of the standards applicable theory contains any constructions for which a treatment sta- it yee, identify each constituent and a standards applicable differences the yee identifies the best of the standards applicable theory of the standards applicable applicable differences the yee, identify each constituent applicable differences the standards applicable applicable differences the standards applicable applicable applicable differences the standards applicable applicable applicable applicable differences the standards applicable app	rds hock one) undards y 40 CFA § 256, undard has bee	1: HOC > 1000 mp/l 2: tradium > 130 mp/l 3: notel > 134 mp/l 37 n established in rolation	10 F039 (muli	State Land Dia does not men treated to me ments al app angles to be t no state man -source leachate	posal Restriction at any applicable s ret all applicable s weakle standards masted to meet cer dated treatment st 	standerds: (check sandards anderds mitout reasment tain seatment stan ardards apply	if epolicable) Jerth
Land Disposal Restriction Standar derai Land Disposel Restriction standards: (cl does not meet any applicable standards treased to meet all applicable standards meets all applicable standards without treatment in bedrafy-mandated treatment standards appli contains any construents for which a treatment stal if yee, identify each constituent This Information is based on (attach eddition	ds freck one) Indards y 40 CFR § 368, Indard has bee nal sheets H m	1: HOC > 1000 mp/l 2: thatium > 130 mp/l 3: notel > 134 mp/l 37 n established in rolation	10 F039 (muli	State Land Dia D does not man T tracted to ma , meets at acc T needs to be t T no stale-man -source leachate	Donal Restriction at any applicable is any applicable is exable standards method to meet der dated treatment st c yes no	standerds: (check tandards anderds mitout treasment tain steament stan and ards apply	if epoileable)
. Land Disposal Restriction Standam derai Land Disposal Restriction standards: (cl does not meet any applicable standards treased to meet all applicable standards interest on weet all applicable standards interest on be breaded to meet certain treatment all no locarady-mandated treatment standards apply 001-0002 Wester Potentially Regulated Under- ontains any constituents for which a treatment sta- all yee, identify each constituent This Information is based on (ettach eddition U) analysis-describe	ds heck and) inderds y e0 CFA § 266, inderd has bee hel cheets N m	1: HOC > 1000 mp/ 2: tradium > 130 mp/ 3: reckel > 134 mp/ 37 n established in relation scessery):	to F039 (muli	State Land Dia B does not me treated to me meets at ago a needs to be a needs to be a no stale-man -source leachsta	Doeal Restriction if any applicable s ret all applicable s match spinaries match to meet cer dated treatment st yes no	standards: (cneck landards andards mitout leasment tain seamant stand landards apply	if eppileable
Land Disposal Restriction Standam derai Land Disposal Restriction standards: (cl doss not meet any applicable standards (cl treased to meet all applicable standards intensis all applicable standards without treatment needs to be treated to meet certain treatment at no locaraly-mandated treatment standards appli DI-DOC2 Wester Potentially Regulated Under- ontains any constituents for which a treatment sta if yee, identity each constituent This Information is based on (ettach eddition U analysis-describe Regulated Manage Name Manage	rds heck one) y enderds y e CFR § 266, inderd has bee hel checks N m	1: HOC > 1000 mp/ 2: tradium > 130 mp/ 3: nckel > 134 mp/ 37 n established in relation sceesery):	to F039 (multi	State Land Dia B does not me treated to me meets at ago E needs to be E needs to be E needs to be E needs to be ano stale-man	Doeal Restriction is any applicable s weakle stancarties manded to meet cor- dated treatment st 	standards: (cneck Iandards andards mitout leastnent tain seakmant stanc landards apply in not sure	If eppicable)
Land Disposal Restriction Standard derai Land Disposal Restriction elandards: (cl does not meet any applicable standards treased to meet all applicable standards meets all applicable standards without restment needs to be breaded to meet cartain teatment all no lederady-mandated treatment standards apply DI-DOD2 Westers Potentially Regulated Under- ontains any constituents for which a treatment standards all yes, identity each constituent 	ds heck one) rodards y e0 CFA § 264, indend has bee hal sheets H ni Small Quantry	1: HOC > 1000 mp/l 2: tradium > 130 mp/l 3: nckel > 134 mp/l 37 n established in relation recessary): Generator [] Household	to F039 (multi	State Land Dia B does not me treated to me meets at ago a needs to be a needs to needs to needs to n	Doeal Restriction is any applicable sincable readed stancables instand to meet dor dated treatment st 	standards: (check landards andards mitout treatment sun steatment stanc landards apply not sure not sure	If eppileable) Sents 
Land Disposal Restriction Standard derai Land Disposal Restriction standards: (cl does not meet any applicable standards treased to meet all applicable standards meets all applicable standards without restment no lederahy-mandated treatment standards apply 00-0002 Westers Potentially Regulated Under- ontains any constituents for which a treatment sta- all yes, identify each constituent	ds heck one) e0 CFA § 264, indend has bee hel sheets H n Small Quantity	: HQC > 1000 mg/l = thatium > 130 mg/l = nckel > 134 mg/l 37 n established in relation scessory): Generator    Househok s section only if as	to F039 (multi d Hazardova oplicable-	State Land Dia B does not me treated to me meets at ago a needs to be a needs to needs to needs to n	Dosal Restriction if any appricable s or all appricable s rested to meet cer dated treatment st 	standards: (check Jandards andards andards mithout treatment stan treatment stanc landerds apply not sure not sure LDR Treatability G Wasternater 2M)	If eppileable  Serts
Land Disposal Restriction Standard derai Land Disposal Restriction etandards: (cl does not meet any applicable standards treased on weet all applicable standards meets all applicable etandards without restment needs to be treated to meet certain treatment étal no ledorady-mandated treatment standards appli 01-0002 Westes Potentially Regulated Under- portains any construents for which a treatment sta if yee, idenoity each constituent	ds heck one) underds y e0 CFA § 256. underd has bee val sheets if m Small Quantity its (Use this Range	:: HOC > 1000 mp/l :: HOC > 100 mp/l :: nctel > 130 mp/l :: nctel > 134 mg/l :: :: :: :: :: :: :: :: :: :	to F039 (multi c) Hazardova opilicable-	State Land Dia Dises not me- treased to me- mesta 34 app nesta 34 app	Doeal Restriction is any applicable sincable standards matched standards is Oyes One mo generator al range in PF	standards: (check sandards andards mithout ivesment ten trestment starce andards andards on not sure not sure LDR Trestability G Wattemater ( 2M)	If eppileable) Serts
Land Disposal Restriction Standard derai Land Disposal Restriction standards: (cl does not meet any applicable standards treased to meet all applicable standards meets all applicable standards without treatment needs to be treated to meet certain breatment stat meets all applicable standards without treatment needs to be treated to meet certain breatment stat meets all applicable standards without treatment needs to be treated to meet certain breatment stat needs to be treated to meet certain breatment stat of local warries. Potentially Regulated Under- mains any construents for which a treatment stat if yee, idenofy each constituent	ds heck one) heck one) e0 CFR § 256. underd has bee hel cheets H m Small Quantity lis (use this Range	Correction only if ap Correction only if ap	to F039 (muli d Mazardova opticable-	State Land Dia 2 does not me- treated to me- meets ad acc 2 no state-man -source bachata)	Doeal Restriction if any applicable s wicable standards mated to meet det dated treatment st dated treatment st gated treatment	standards: (check landards andards mibout treatment standards apply not sure LOR Treatability G Wastewater [ 2M]	If eppileable) Serbs
Land Disposal Restriction Standard derai Land Disposal Restriction etandards: (cl does not meet any applicable standards treased to meet all applicable standards meets all applicable standards without (restment needs to be evened to meet carup treatment at no lederally-mandated treatment standards apply 01-0002 Wester Poientially Regulated Under mains any construents for which a treatment standards if yee, identify sech constituent This Information is based on (attach eddition u analysis-describe	ds heck one) web CFR § 268, indard has bee hel chesta N ne Small Quantity als (use this Range C C L - N	:: HOC > 1000 mp/l :: HOC > 100 mp/l :: Italium > 130 mp/l :: nckel > 134 mp/l :: :: :: :: :: : : : : : :	to F039 (muli d Hazardous opilicable	State Land Dia 2 does not me- tracted to m - tracted to me- i needs to be 1 - no stale-man -source leachstal 1 100-1000 kc/ indicate actu Actual Range	Doeal Restriction if any applicable st mable standards match to meet det dated treatment st 	standards: (check Jandards andards without trasment tan statment stand landards apply not sure LDR Treatability G Wastewater PM)	If epplicable) Serts
Land Disposal Restriction Standard derai Land Disposal Restriction standards: (c) does not meet any applicable standards treased to meet all applicable standards meets all applicable standards without restment needs to be treated to meet certain treatment standards no ledurady-mandated treatment standards appli- DI-DOC2 Westes Polentially Repulsited Under- prise any constituents for which a treatment standards if yee, identify such constituent	ds heck one) 40 CFR § 264. underd has bee hel sheets H m Small Quantity ils (Use this Range C C L - N C N	HOC > 1000 mpl     Datium > 130 mpl     Datium > 130 mpl     Dretel > 134 mpl     Tretel > 134 mpl     Trete	to F039 (multi d Hazardoua opilicable	State Land Dia 2 does not me- treated to me- means at acc 2 neets to be 1 neets to be 1 ne	Doeal Restriction is any applicable si workble standards readed to meet det diated theatment st is up yes on no mo generator al range in PF Dealium (TI) U Vanadum (V i j Zinc (Zn)	standards: (check sandards andards andards mulout irestment sandards sophy on not sure lon functionator ( Wastemater ( 2M)	ir eppilaabiej Serts
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Figure 1-2 - Profile Sheet, Page 2 of 2 (Typical, Reduced)

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process. Therefore, the containers are subject to the fingerprint analysis to ensure conformity with the pre-acceptance documentation.

II.D.9.g.1.iii.1.Ignitable, Reactive, and Incompatible Wastes

Ignitable, reactive, or incompatible incoming wastes are identified and classified by the sampling and analytical procedures described earlier, and information submitted by the generator.

The fingerprint procedures detailed previously check for pH, reactivity (CN<sup>-</sup> and S<sup>=</sup>) and flammability. The containers are segregated accordingly.

# II.D.9.g.1.iii.2.On-Site Management Procedures

Wastes received in containers are also subject to the analytical work for the proposed management process. For example, a drum of F001 waste would be subject to an inspection for the fingerprint parameters (including free standing liquids). Depending on whether it was subject to an extension or petition or was a treatment residue, it might also be subjected to verification testing (e.g.; TOC analysis, TCLP, etc...). Further, depending on what, if any, treatment process it might be subject to, it might be subject to the analytical protocol for that process (e.g.; Paint Filter Liquids test for stabilization,...). Finally, it might also be subject to the protocol for the landfill, if that waste the ultimate disposal option on-site.

# II.D.9.g.1.iii.3.Laboratory Packs

Drums packed with small quantities of waste are accepted for storage and disposal under special provision listed in Section II.D.9.d.vi. and II.D.9.e.1. As with all wastes destined for land disposal, all wastes contained within the lab pack must not be prohibited from land disposal.

# II.D.9.g.1.iii.4.Management of Residues

Management of sump residues, floor sweepings, and other miscellaneous debris originating out of the drum management area will be managed as on-site generated waste under the conditions of Section II.D.9.e.1.(1). However, where the material is identifiable to a specific waste, it shall be managed in accordance with the approved management conditions for that waste (e.g.; a spill of F002 material may be managed as F002), or if precluded by permit, regulation, or operational conditions, it may be reprofiled for alternative management, as appropriate.

## II.D.9.q.2. Treatment Operations

The proper and complete treatment of a particular waste depends upon appropriate sampling and analysis during selected phases of the operation. The

# TABLE 2A ANNUAL PHYSICAL AND CHEMICAL ANALYSIS (WASTE CHARACTERIZATION)

# MODIFIED "SKINNER LIST" FOR PRINCIPAL HAZARDOUS CONSTITUENTS IN PETROLEUM REFINING WASTES LAND TREATMENT

A. REQUIRED ANALYSES FOR K048, K049, K050, K051, K052 AND NON-HAZARDOUS WASTES AND D002, D003, D004, D005, D006, D007, D008, D009, D010, D011 AND K062 WASTES.

1. METALS (TOTAL) Anitomy Arsenic Beryllium Cobalt Chromium Copper Mercury Nickel Vanadium Zinc

Barium Cadmium Lead Selenium

2. VOLATILES

Benzene	Carbon disulfide	Chlorobenzene
Chloroform	Cyclohexane	1,2 Dichlorethane
Ethylbenzene	Ethylene dibromide Methy	l ethyl Acetone
Styrene	Toluene	Zylene (m <sup>-</sup> , o <sup>-</sup> , & p <sup>-</sup> )

3. SEMI-VOLATILE BASE/NEUTRAL EXTRACTABLE COMPOUNDS

Athracene	Benzo (a) anthracene	Benzo (b) flourathene
Benzo (k) flourathene	Benzo (g,h,i) perylene	Benzo (a) pyrene
Bis(2-ethylhexyl)phythalate	Butyl Benzyl Phthalate	Chyrsene
Dibenz(a,h) anthracene	Dichlorobenzenes	Diethyl phthalate
Dimethyl phthalate 7, 1	2-Dimethylbenz(a)-anthrace	ene
Di (n) octyl phthalate	Di (n) butyl phthalate	Flouranthene
Flourene	Idene	Ideno (1,2,3-c,d)pyrene
1-methylnapthalene	2-methylnapththalene	Napthalene
Phenathrene	Pyridine	Pyrene
Quinoline	-	

4.SEMI-VOLATILE ACID-EXTRACTABLE COMPOUNDSo-Cresolp-Cresol2,4-dimethylphenol2,4-dinitrophenol4.4-nitrophenol2,4-dimethylphenolPhenol

5. MISCELLANEOUS ANALYSES

%Wat Total	ter oil and grease	pH e	Total Solids Ash content
В.	ADDITIONA D009, D010,	L ANALYSES D011, AND K	FOR D002, D003, D004, D005, D006, D007, D008, (O62 WASTES.
1.	EP TOXICIT	Y	
Arsen	ic	Barium	Beryllium
Cadm	ium	Chromium	Cobalt
Coppe	er	Lead	Manganese
Mercu	Iry	Molybdenum	Nickel
Selen	ium	Silver	Zinc
2.	MISCELLAN	EOUS ANAL	/SES
Total	Organic Carbo	on (TOC)	Purgeable Organic Halogen (POH)
Total	<b>Dissolved</b> Sol	ids (TDS)	Total Suspended Solids (TSS)
Sulfide	e		Gross Cations and Anions

## II.D.9.g.2.v.3.Additional Load Analysis

To ensure organic chlorides are not land applied, each material destined for land treatment will be tested for TOX on the pre-acceptance analysis and, for each waste stream with results greater than 500 mg/l TOX, this analysis will be reconfirmed upon arrival for approximately 10% of the incoming loads for that waste stream (to ensure it does not exceed 1,000 mg/l TOX) and, if after close observation and study, the General Manager finds the nature of the material is such that it is not likely to exceed 1,000, this additional study may be concluded after a minimum of 20 reanalyses. If the material contains less than 1,000 mg/l TOX the material will be considered acceptable. If the TOX test indicates greater than 1,000 mg/l TOX are present, the material will be rejected for land treatment or total organic chlorine may be determined to ensure it is not above 1,000 mg/l. If the total organic chlorine is above 1,000 mg/l, the material will not be acceptable for the surface impoundment unless evaluation of liner and waste compatibility indicates the waste may be safely managed.

## II.D.9.g.2.v.4.Analysis of Residues

The residue is also characterized before application. The samples used for analysis must come from the tank, impoundment, or other sources where each waste load will be obtained for filling the applicator. This analysis is normally The following table lists the precision and accuracy goals for the fingerprint an lysis parameters which are used to verify loads. See Glossary of Terms for calculations.

Measurement Parameter	Reference	Experimental Conditions	Precision	Accuracy	Completeness
рН	SW 846 9040	Industrial Waste Samples	<u>+</u> 2pH Units	<u>+</u> .5pH Units	100%
Paint Filter Test	SW 846 9095	Industrial Waste Samples	PASS/FAIL	PASS/FAIL	100%
Reactivity (Water)	USPCI 4	Industrial Waste Samples	PASS/FAIL	PASS/FAIL	100%
Reactivity (Cyanide)	USPCI 4	Industrial Waste Samples	<u>+</u> 20%	<u>+</u> 25%	100%
Reactivity (Cyanide)	SW 846 7.3.3.2	Industrial Waste Samples	<u>+</u> 20%	<u>+</u> 25%	100% when screen is positive
Reactivity (Cyanide)	SW 846 9010	Industrial Waste Samples	<u>+</u> 20%	<u>+</u> 25%	100% when screen is positive
Reactivity (Sulfide)	USPCI 4	Industrial Waste Samples	<u>+</u> 20%	<u>+</u> 25%	100%
Reactivity (Sulfide)	SW 846 7.3.4.2	Industrial Waste Samples	<u>+</u> 20%	<u>+</u> 25%	100% when screen is positive
Reactivity (Sulfide)	SW 846 9030	Industrial Waste Samples	<u>+</u> 20%	<u>+</u> 25%	100% when screen is positive
TLV Sniff	USPCI 5	Industrial Waste Samples	<u>+</u> 20%	<u>+</u> 25%	100%

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Measurement Parameter	Reference	Experimental Conditions	Precision	Accuracy	Completenes
Radioactivity Screen	USPCÍ 7	Industrial Waste Samples	<u>+</u> 20%	(2)	100%
Oxidizer Reducer Screen	USPCI	Industrial Waste Samples	PASS/FAIL	PASS/FAIL	100%
тох	SW 846 9020	Industrial Waste Samples	<u>+</u> 20%	<u>+</u> 20%	100% as required

The facility cannot evaluate accuracy data on this test due to lack of calibration materials. The meter must have annual calibration.

Reactivity could have either the two quantitative tests performed depending on the source of the waste and/or governing regulations.

The following table lists the precision and accuracy requirements for the load and profil analysis parameters which are used as support tests. Completeness which states "as required indicates the result is not required on all loads.

Measurement Parameter	Reference	Experimental Conditions	Precision	Accuracy	Completeness
Specific Gravity(5)	SM 213E 9010	Industrial Waste Samples	<u>+</u> 20%	<u>+</u> 20%	90%
Normality	USPCI 1	Industrial Waste Samples	<u>+</u> 30%	<u>+</u> 30%	100% as required
Solids	USPCI 3	Industrial Waste Samples	<u>+</u> 10%	<u>+</u> 10%	90%
BTU	ASTM D-240-85	Industrial Waste Samples	<u>+</u> 20%	<u>+</u> 20%	90% as required

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PCBs	SW 846 8080	Industrial Waste Samples	<u>+</u> 25%	<u>+</u> 25%	100% as required
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# II.D.9.i.4. Sampling Procedures

The main goal in a chemical analysis is to make a measurement of some property of an article. Decisions are then made about the article based on the results of this measurement. More often than not, it is impractical or impossible to analyze the entire article. Therefore, it is imperative to have a sample which globally represents the universe concern.

## II.D.9.i.4.i. Initial Considerations

The first item is to protect personnel from possible exposure to hazardous material. Most of the incoming loads contain some level of harmful matter. At a minimum, the sampling personnel will wear safety glasses, rubber gloves, and boots. Additional protective items will be required as dictated by the suspected contaminants involved. Sampling personnel are required to check the manifest or any shipping documents so that they are familiar enough with the waste stream to take all for the necessary safety precautions in collecting a representative sample of the waste stream.

The next item is to define what is to be sampled; liquid, solid; homogeneous or irregular. This will dictate what type of sampler and procedure is to be used. There are four basic types of samplers used for collecting waste load samples:

Coliwasa Thief

Probe Trier

## II.D.9.i.4.i.1. Sludges

A probe is used to collect a composite sample of sludges. The probe is especially useful for sludges that form a number of phases. One probe is used for sampling oily sludges and a second is used to sample other sludges. Incoming loads of a sludge are sampled with a probe as follows:

- Prior to sampling, inspect the apparatus to insure it is clean. If not, wash with clean water or appropriate cleaning solution and rinse with water.
- 2. Slowly insert the probe (metal, glass, or plastic) into the container insuring that the tube reaches the bottom of the container.
- 3. Seal the top of the tube by placing thumb or hand over the tube.

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If high volumes of gas are detected or suspected, a respirator should be worn. No flames or sparks should ever be present.

### 5.0 APPARATUS AND EQUIPMENT

5.1 TLV Sniffer - Bacharach by United Technologies, or equivalent.

5.2 Gas Calibration Kit - Bacharach, Code 51-7199, or equivalent.

#### 6.0 REAGENTS

None

## 7.0 SAMPLE HANDLING AND PRESERVATION

Keep sample container tightly sealed. DO NOT open until starting analysis. If highly volatile, refrigerate sample at 4 degrees Celsius.

#### 8.0 CALIBRATION AND STANDARDIZATION

8.1 Battery test:

Turn MODE SELECTOR knob from OFF position to BATT TEST position. Meter pointer should come to rest in BATTERY GOOD range of meter scale. (Both a meter reading below BATTERY GOOD range and an audible signal warn of batteries too weak to sustain normal operation).

8.2 Setting meter pointer to zero:

8.2.1 Attach air sampling probe connector to instrument intake on left side of case by pulling back spring collar of connector, pressing connector over intake, and releasing spring collar.

8.2.2 Place TLV Sniffer in position in which meter indications will be read (usually in meter up position).

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NOTE: Heat distribution from active and reference filaments of the detector sensor changes from vertical to horizontal position. The resulting change in electrical balance between elements causes a shift in pointer zero from one position to the other.

8.2.3 Set MODE SELECTOR switch to pm x 100 and operate instrument for 10 minutes to allow circuits to stabilize.

8.2.4 In fresh air, set ZERO ADJUST knob at midpoint (five full turns from either extreme position). If fresh air is not available, use Bacharach Kit 51-7199 to apply known pure air to the Sniffer intake (instructions in kit).

8.2.5 Turn coarse adjustment screw, located under ZERO ADJUST knob, to move Meter pointer to zero on the meter scale.

8.2.6 Turn MODE SELECTOR to pm x 10 position and turn ZERO ADJUST knob to set pointer to zero.

8.2.7 Turn MODE SELECTOR to pm x 1 position and turn ZERO ADJUST knob to set pointer to zero.

NOTE: The TLV Sniffer is extremely sensitive in the pm x 1 range.  $CO_2$  from breath too close to the intake, cigarette smoke, auto fumes, etc., can interfere with accurate setting of the pointer to meter zero.

8.3 Setting meter pointer deflection (gain calibration).

To insure proper operation and to check calibration, it is necessary to periodically check the instrument against a known standard blend of calibration gas.

The Bacharach Code 51-7199 gas calibration kit and optionally available Code 51-1120 rectified gas cylinder containing 500 pm hexane in air are readily available to meet this requirement.

Connect the gas transfer assembly, making certain all connections are air tight. Use the retaining clips (2 each) to mount Flowmeter (06-6163) to its mounting bracket (51-1201). Make certain to connect rubber tubing at the base inlet connection on the flowmeter, then to the barbed fitting on the regulator and to the quick connect fitting previously on the regulator and to the quick connect fitting previously installed on the TLV sample in (inlet fitting). Turn regulator valve (03-4318) fully counterclockwise

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(closed position) before attempting to screw regulator into calibration gas tank. This test is to be performed in a clean, fresh air (combustible free) environment. If this is not possible, substitute Code 51-7131 zero calibration gas for the Code 51-1120 cylinder of hexane-air mixture.

Connect the gas transfer assembly at the TLV sample in (inlet) fitting.

Open the regulator valve (clockwise) and asjust for flowmeter indication of (1) cfh to ensure adequate pump flow.

Remove Code 51-7131 zero calibration gas and substitute the Code 51-1121 cylinder of hexane/air mixture before proceeding with Step 6.

To calibrate the instrument in fresh air (combustible free) environment, proceed as follows:

8.3.1 Remove case cover for access to internal adjustments and temporarily break gas transfer assembly connection at the TLV Sample-In (inlet) fitting.

8.3.2 Turn FINE ZERO ADJUST (pot) full clockwise and then five turns counterclockwise to mid-range. Then turn COARSE ADJUST (pot) full clockwise and ten turns counterclockwise to mid-range.

8.3.3 Turn MODE SELECTOR to BATT TEST position. The meter pointer must indicate with BATTERY GOOD range, if not recharge.

Connect a Voltmeter between TP-3 (+) and ground (-), check for 6 VDC. If not, adjust for 6 VDC  $\pm$  0.01 VDC.

8.3.4 After allowing for five minute warm up, turn MODE SELECTOR switch to pm x 100 position and adjust R-13 for meter pointer indication of scale zero.

8.3.5 Turn MODE SELECTOR switch to pm x 10 position and adjust COARSE ADJUST or meter pointer indication of scale zero. Readjust per steps 4 and 5 until meter pointer indicates a relatively constant scale zero when MODE SELECTOR is switched between pm x 100 range.

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# III.B. WASTE IDENTIFICATION

- III.B.1. The Permittee may store the wastes listed in II.D.9. Table 1 column 2 in containers at the facility, subject to the terms of this permit.
- III.B.2. <u>CERCLA Hazardous Wastes</u>. The Permittee may receive wastes that arrive without E.P.A. waste code numbers, provided that these wastes are from remediation sites regulated under CERCLA and they comply with all CERCLA off-site management policies. These wastes shall be managed as hazardous wastes and are subject to the terms of this permit. The most current copy of the CERCLA off-site procedures shall be kept at the facility.
- III.B.3. The Permittee may store the wastes listed in Table II.D.9. Table 1 column 3 only as waste residues from incineration. Also permitted are on-site generated wastes derived from the handling of these residues.
- III.B.4 The Permittee may store, treat and dispose of waste with a P999 waste code but only if the waste is also subject to the F999 waste code.

## III.C. CONDITION OF CONTAINERS

- III.C.1. If a container holding hazardous waste is not in good condition (e.g., severe rusting, bulging, apparent structural defects) or it begins to leak, the Permittee shall transfer the hazardous waste from such container, or the container of hazardous waste itself, to a DOT approved container in accordance with R315-8-9.2. This shall be completed as soon as possible, but no later than 24 hours from the time the problem was first discovered and noted in the inspection log portion of the operating record.
- III.C.2. Facility personnel shall ensure that the replacement containers referenced in condition III.C.1. are sufficiently labeled to allow identification and tracking of the waste while it is managed at the facility.

# III.F. CONTAINMENT AREAS AND CAPACITIES

- III.F.1. The Permittee shall administer the container management facilities in accordance with the R315-8-9.6. The Permittee may store the following quantities of hazardous wastes:
- III.F.1.a. Dock 1 maximum capacity 18,850 gallons of liquid waste in containers (342 55-gal drums); (This area is also named as "Top Dock 1", or "TD01" in facility records.)
- III.F.1.b. Pad 2 maximum capacity 66,000 gallons of waste in containers (1,200 55-gal drums); (This area is subdivided into two container management sub-areas known as the "North Pad" or "NP01", and the "South Pad", or "SP01", in facility records.)
- III.F.1.c. (Reserved)
- III.F.1.d. Pad 3A maximum capacity 20,900 gallons of waste in containers (380 55-gal drums). (This area is also named as "Top Dock 2", or "TD02" in facility records.)
- III.F.1.e. Pad 3B maximum capacity 20,900 gallons of waste in containers (380 55-gal drums). (This area is also named as the "Sample Pad", or "SPAD" in facility records.)
- III.F.1.f. Dock 1, Pad 2 and Pad 3 shall not be considered 90 day storage or satellite storage areas.
- III.F.2. The minimum allowable aisle space shall be 2'-6" except along walls which may be 18".
- III.F.2.a. Containers may not be stored more than 8 ft. high to the top of the uppermost container.
- III.F.3. Any containers of hazardous, non-hazardous waste stored on Dock
   1, Pad 2 or Pad 3 will be considered as liquid hazardous waste for the purposes of determining compliance with containment standards.
- III.F.4. Container management area sumps shall be inspected in accordance with, Attachment II-3 for presence of liquids. If liquids are discovered in the sump, the Permittee shall determine the source and

# MODULE IV - STORAGE AND TREATMENT IN TANKS

## IV.A. <u>APPLICABILITY</u>

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The requirements of this Module pertain to the storage and treatment of hazardous waste in the tank systems identified in condition IV.B. The Permittee shall comply with R315-8-10 and the conditions of this permit for all tank systems.

# IV.B. WASTE IDENTIFICATION AND TANK USAGE

- IV.B.1. <u>CERCLA Hazardous Wastes</u>. The Permittee may receive wastes that arrive without E.P.A. waste code numbers, provided that these wastes are from remediation sites regulated under CERCLA and they comply with all CERCLA off-site management policies. These wastes shall be managed as hazardous wastes and are subject to the terms of this permit. The most current copy of CERCLA off-site procedures shall be kept at the facility.
- IV.B.2. The Permittee shall only treat or store the following hazardous wastes in the tanks specified in conditions IV.B.3. through IV.B.11., subject to the terms of this permit and the Land Disposal Restriction (LDR) treatment standards specified in R315-13-1.
- IV.B.3. Reaction Tank, 121-TN-001
- IV.B.3.a. Design maximum capacity 2,000 gallons, 7'-0" diameter x 7'-0" high, stainless steel construction.
- IV.B.3.b. The Permittee shall only treat the hazardous wastes listed in II.D.9. Table 1 column 4 in tank 121-TN-001.
- IV.B.3.c. The Permittee shall install, maintain, and operate a real time pH monitoring system capable of accurately measuring the hazardous waste contents in tank 121-TN-001.
- V.B.3.d. The treated waste liquid shall have a pH less than or equal to 8 and greater than or equal to 3.

## IV.B.4. Waste Stabilization Tanks 122-TN-001, -002 AND -003

- IV.B.4.a. Design maximum allowable capacity of 13,800 gallons per tank, 20'-0" long x 20'-0" wide x 6'-0" high, carbon steel construction.
- IV.B.4.b. The Permittee shall only treat or store (during treatment) the hazardous wastes listed in II.D.9. Table 1 column 5 in the waste stabilization tanks 122-TN-001, 122-TN-002 and 122-TN-003
- IV.B.4.c. The Permittee may place and store the incineration treatment residues listed in II.D.9. Table 1 column 6 in the Waste Stabilization Tank System providing that these wastes meet the Land Disposal Restrictions listed in R315-13. Also permitted are on-site generated wastes derived from the handling of these residues.
- IV.B.4.d. The waste management practices specified in the Special Waste Management Plan in Attachment II-8 shall apply to wastes F020, F021, F022, F023, F026, F027 and F028.
- IV.B.4.e. The stabilization tanks shall be filled no more than half-full with waste to be treated. The half-full level shall be marked on the inside and outside of each of the stabilization tanks. No waste shall splash over the sides of the tank.
- IV.B.4.f. For each open stabilization tank, 4,150 gallons of freeboard shall be maintained to accommodate the precipitation from a 25 year 24 hour storm event. The 13,800 gallon permitted capacity level shall be marked on the inside and outside of each stabilization tank. Sufficient space shall be allowed for the addition of reagents and treatment agents so the total treatment volumes do not exceed the 13,800 gallon capacity.
- IV.B.4.g. P999 wastes may only be placed in these tanks if the waste is also subject to the F999 waste code for wastes in porous media such as soils.
- IV.B.5. Carbon Adsorption Tanks 118-TN-001, -002 AND -003
- IV.B.5.a. Design maximum allowable capacity shall not exceed 1,500 gallons per tank.

- IV.B.5.b. The Permittee shall only treat run-off containment waters from secondary containment or multi-source leachate, F039, hazardous waste in the carbon adsorption tanks: The Permittee shall not cause impermissible dilution under LDR of the F039 wastes placed in the carbon adsorption tanks.
- IV.B.5.c. The carbon adsorption tanks, 118-TN-001, 118-TN-002 and 118-TN-003, shall only be operated in an area where secondary containment is provided for 100% of the volume of the largest tank in that area.
- IV.B.5.d. The carbon adsorption tanks shall not be moved from the secondary containment area until all free liquids (less than one gallon) have been drained.
- IV.B.6. <u>RESERVED</u>
- IV.B.7. Leachate Storage Tanks 119-TN-001, -002, -003 and -004
- IV.B.7.a. Design maximum allowable capacity 16,000 gallons per tank for tanks 119-TN-001, -002 and -003, 12'-0" diameter x 20'-0" high, and maximum allowable capacity 16,000 gallons for tank 119-TN-004, 12'-0" diameter x 28'-11" high, carbon steel construction.
- IV.B.7.b. The Permittee shall only store run-off containment waters from secondary containment and multi-source leachate, F039, hazardous waste in the leachate storage tanks 119-TN-001, 119-TN-002 119-TN-003 and 119-TN-004. Treatment is not allowed in these tanks. The Permittee shall not cause impermissible dilution under LDR of the F039 wastes placed in the leachate storage tanks.
- IV.B.7.c. The Permittee shall presume the contents of any individual leachate storage tank to be untreated leachate unless the tank is specifically and clearly marked as containing treated leachate.
- IV.B.8. Waste Solvent Storage Tanks 117-TN-001 AND 117-TN-002
- IV.B.8.a. Tank 117-TN-001 design maximum allowable capacity 20,000 gallons, 10'-0" diameter x 30'0" high, carbon steel construction.
- IV.B.8.b. Tank 117-TN-002 design maximum allowable capacity 8,000 gallons, 8'0" diameter x 20'-0" high, carbon steel construction.

- IV.B.8.c. The Permittee shall only use the waste solvent storage tanks WT-2 and WT-3 to store the hazardous wastes listed in II.D.9. Table 1 column 9 for off-site solvent recovery. Treatment shall not be performed in these tanks.
- IV.B.9. Acid Storage Tanks 121-TN-002 and 121-TN-003
- IV.B.9.a. Tank 121-TN-002 design maximum allowable capacity 10,000 gallons, 10'-4" diameter x 16'-7" high, FRP construction.
- IV.B.9.b. Tank 121-TN-003 design maximum allowable capacity 7,250 gallons, 9'-0" diameter x 15'-0" high, Kynar construction.
- IV.B.9.c. Treatment shall not be performed in the acid storage tanks. The Permittee shall only use acid storage tanks 121-TN-002 and 121-TN-003 to store the inorganic acid hazardous wastes listed in II.D.9. Table 1 column 10 prior to neutralization in Reaction tank 121-TN-001:
- IV.B.10. Caustic Storage Tanks 121-TN-004 and 121-TN-005
- IV.B.10.a. Design maximum allowable capacity 16,000 gallons per tank, 12'-0" diameter x 20'-0" high, carbon steel construction
- IV.B.10.a. Design maximum allowable capacity 16,000 gallons per tank, 12'-0" diameter x 20'-0"
- IV.B.10.b. The Permittee shall only use caustic storage tanks 121-TN-004 and 121-TN-005 to store the hazardous wastes listed in II.D.9. Table 1 column 11 prior to neutralization in a reaction tank. Treatment is not allowed in these tanks.
- IV.B.11. Treated Liquid Storage Tank 121-TN-006
- IV.B.11.a. Design maximum allowable capacity 11,500 gallons, 12'-0" diameter x 14'-6" high, carbon steel construction.
- IV.B.11.b. The Permittee shall only use the treated liquid storage tank to store the hazardous wastes listed in II.D.9. Table 1-1 column 12. Treatment shall not be performed in these tanks.

## IV.C. GENERAL OPERATING REQUIREMENTS

- IV.C.1. The Permittee shall only place hazardous wastes in tanks for the purpose of treatment or storage as specified by conditions in section IV.B.
- IV.C.2. The treatment of hazardous wastes in the tanks identified in condition IV.B. shall meet all treatment standards specified in R315-13-1.
- IV.C.3. All sludges and liquids shall be removed from the treatment tanks and their ancillary systems at the end of each operating day; except for the activated carbon adsorption and stabilization tanks identified in conditions IV.B.4. and IV.B.5.
- IV.C.4. The Permittee shall use the controls and practices to prevent spills and overflows from each tank system, as specified in Attachment II-5, "Preparedness and Prevention,"
- IV.C.5 The Permittee shall stop adding wastes to the affected tank system in the event of an equipment or power failure of the affected tank.
- IV.C.6. The Permittee shall comply with the requirements specified in R315-8-10 when there has been a leak or spill in a tank or the system is unfit for use.
- IV.C.7. The Permittee shall comply with the requirements specified in the facility Contingency Plan, Attachment II-6, when there has been a release from a tank system that threatens human health or the environment.
- IV.C.8. The Permittee shall notify the Executive Secretary as soon as possible, but no later than 24 hours of detection of a release of a reportable quantity from a tank system to the environment.
- IV.C.9. The Permittee shall submit, to the Executive Secretary within 15 days of detection of a release to the environment, a report identifying details of the release, as specified in R315-8-10.
- IV.C.10. The Permittee shall repair a tank system from which there has been a leak or spill or close the tank, if it is unfit for use, as specified in R315-8-10.

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- IV.C.11. Before a repaired tank or ancillary piping system is returned to service after a major repair, it must be certificated by a qualified, independent Utah certified, professional engineer, that the repaired equipment is capable of handling hazardous waste without release for the intended life of the system. The Permittee shall submit the tank certification report to the Executive Secretary within 15 days of returning the repaired system to service.
- IV.C.12. Any tank that has been out of service for 360 or more days shall be certified by a qualified, independent professional engineer that the tank system is capable of handling hazardous waste without release for the intended life of the system. The Permittee shall have this certification performed before the tank is put back into service. The certification report shall then be submitted to the Executive Secretary within 15 days of returning the tank system to service.

## IV.D. SPECIFIC OPERATING REQUIREMENTS

- IV.D.1. All F039 leachate shall meet the LDR treatment standards specified in R315-13-1 before final disposal at the facility.
- IV.D.2. All container storage run-off shall meet the LDR treatment standards specified in R315-13-1 before final disposal at the facility.
- IV.D.3. All hazardous waste residues from incineration and thermal treatment that are stored or treated in the tank system identified in condition IV.B. shall meet land disposal restrictions prior to final disposal at the facility.

# IV.E. SPECIAL REQUIREMENTS FOR IGNITABLE OR REACTIVE WASTES

- IV.E.1. Ignitable or reactive waste shall not be placed in a tank system unless the provisions of R315-8-2.8 and R315-8-10 are met.
- IV.E.2. The Permittee shall record compliance with condition IV.E.1. as required by R315-8-2.8 and place this documentation in the facility operating record.

- IV.E.3. The Permittee shall maintain the safety separation distance around tank systems as specified in the most recent version of the Uniform Building Code.
- IV.E.4. The Permittee shall ground all rail cars and truck tankers during the unloading ignitable waste, to a effective positive earth ground by means of a heavy clamp and cable prior to and during unloading.

# IV.F. SPECIAL REQUIREMENTS FOR INCOMPATIBLE WASTES

- IV.F.1. The Permittee shall not store acids or oxidizing halides in any carbon steel tank systems.
- IV.F.2. The Permittee shall not store organic material or oxidizing acids in any fiberglass reinforced plastic tank systems.
- IV.F.3. The Permittee shall not place hazardous waste in an unwashed tank system that previously held incompatible waste or material. The general requirements for incompatible wastes identified in R315-8-2.8 shall apply.
- IV.F.4. The Permittee shall record compliance with condition IV.F.3. as required by R315-8-2.8 and place this documentation in the facility operating record.

## IV.G. INSPECTION REQUIREMENTS

- IV.G.1. The Permittee shall comply with the inspection requirements specified in R315-8-10, condition II.F. and the Tank Inspection Schedules as shown in Attachment II-3; except that the tank heating coils need only be inspected on a yearly basis.
- IV.G.2. The Waste Stabilization tank systems, 122-TN-001, 122-TN-002 and 122-TN-003, shall be inspected for leaks at least once during each operating day. Any liquids accumulated in the annulus between the inner and outer shells, shall be removed, analyzed and handled appropriately.

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- IV.G.3. All tank systems identified in condition IV.B., except the carbon adsorption tanks listed in condition IV.B.5. shall be certified by a qualified, independent Utah certified, professional engineer, at least once every twelve months. Certification shall state that these tanks are capable of handling hazardous waste without release for the intended life of the system. The Permittee shall have this annual certification performed within 12 months of the last inspection. The certification report shall then be submitted to the Executive Secretary within 60 days of the inspection.
- IV.G.4. Any unlined portable activated carbon adsorption tanks, 118-TN-001, 118-TN-002 and 118-TN-003, shall be certified by a qualified, independent Utah registered professional engineer, at least every six (6) months. Certification shall state that these tanks are capable of handling hazardous waste without release for a six (6) month period. The Permittee shall have this bi-annual certification performed within six (6) months of the last inspection. The certification report shall then be submitted to the Executive Secretary within 60 days of the inspection. Corrosion resistant lined activated carbon adsorption tanks shall be inspected according to condition IV.G.3.
- IV.G.5. For each tank system found unfit for use as a result of the inspections required in conditions IV.G.3. and IV.G.4., the Permittee shall comply with the repair and notification requirements specified in conditions IV.C.10 and IV.C.11.
- IV.G.6. All tank inspection logs and certification reports shall be made part of the operating record and shall be maintained at the facility for a period of three (3) years.

## IV.H. NEW AND MODIFIED TANK SYSTEMS

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The Permittee shall comply with conditions I.P., covering planned changes, and I.R., certification of new construction and modifications. All new tanks systems and modification to existing systems shall also meet secondary containment and leak detection requirements specified in R315-8-10.

# IV.I. CLOSURE AND POST-CLOSURE CARE

- IV.I.1. To close a tank system, the Permittee shall remove all waste residues and decontaminate the system as specified in R315-8-7 and R315-8-10, and permit condition II.N.
- IV.I.2. If a current cost estimate to close a tank system and provide post closure care is greater than the closure plan cost estimates specified in Attachment II-7, the Permittee shall notify the Executive Secretary as specified in R315-7-14 and provide the documentation for financial assurance based on the revised closure plan and post closure care within 90 days of the initiation of closure.
- IV.I.3. Post-closure care of all tank systems shall meet the requirements of R315-8-14.5 and permit condition II.N.

# MODULE V - SURFACE IMPOUNDMENTS

### V.A. <u>APPLICABILITY</u>

The Permittee may operate one (1) surface impoundment identified as impoundment A, as shown in Attachment II-1. The maximum operating capacity shall be 1,430,000 gallons. The Permittee shall operate and maintain this surface impoundment as required by R315-8-11.

#### V.B. WASTE IDENTIFICATION

V.B.1. The Permittee may store the following off-site generated wastes in surface impoundment A in accordance with R315-8-11 and the conditions of this permit:

#### F039

- V.B.2. The Permittee may store the following site-generated wastes (excluding PCB-contaminated liquids and sludges) in the surface impoundment A in accordance with R315-8-11 and the conditions of this permit:
  - a. Floor drainage
  - b. Multi-Source Leachate (F039) from hazardous waste units.
  - c. Treated liquids/sludges from the wastewater treatment system.
  - d. Non hazardous liquid wastes.
  - e. Contaminated run-on and runoff waters.
- V.B.3. To ensure compatibility with the liner system, site-generated wastes, identified in condition V.B.2., must be analyzed prior to placement in surface impoundments in accordance with the waste analysis plan identified in condition II.D.
- V.B.4. <u>CERCLA Hazardous Wastes</u>. The Permittee may receive wastes that arrive without E.P.A. waste code numbers, provided that these wastes are from remediation sites regulated under CERCLA and they comply with all CERCLA off-site management policies. These wastes shall be managed as hazardous wastes and are subject to the terms of

this permit. The most current copy of CERCLA off-site procedures shall be kept at the facility.

## V.C. SPECIAL OPERATING REQUIREMENTS

- V.C.1. At least three (3) feet of freeboard shall be maintained in surface impoundments at all times.
- V.C.2. All F039 wastes, that do not meet organic constituent LDR standards must be treated in the carbon adsorption tanks as specified in condition IV.D.1. prior to placement in surface impoundment A.
- V.C.3. All floor drainage and container storage run-off, that do not meet organic constituent LDR standards must be treated in the carbon adsorption tanks as specified in condition IV.B.5 prior to placement in surface impoundment A.
- V.C.4. The treatment of hazardous waste in surface impoundments shall meet the LDR sampling, residue removal and recordkeeping requirements of R315-13-1.

# V.D. <u>RESERVED</u>

## V.E. SPECIAL REQUIREMENTS FOR INCOMPATIBLE WASTES

- V.E.1. The Permittee shall comply with all requirements specified in R315-8-11.7 governing the management of incompatible wastes in surface impoundments.
- V.E.2. When required to comply with the incompatible waste requirements of R315-8-2.8, the Permittee shall document that compliance in the facility operating record.

## V.F. MONITORING AND INSPECTION

V.F.1. The Permittee shall follow the inspection schedule contained in Attachment II-3 for surface impoundment A.

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- VI.B.2. The Permittee may landfill the incineration treatment residues listed in II.D.9. Table 1 column 8 providing that these wastes meet the Land Disposal Restrictions listed in R315-13. Also permitted are on-site generated wastes derived from the handling of these residues.
- VI.B.3. The waste management practices specified in the Supplemental Waste Management Plan in Attachment II-8 shall apply to wastes F020, F021, F022, F023, F026, F027 and F028. On-site generated wastes derived from the handling of these residues shall also be managed according to the Plan.
- VI.B.4. The Permittee may dispose in landfills the following on-site generated wastes not specified by EPA waste code numbers providing that all free liquids are stabilized or removed and documented in the operating record:
  - \* Floor drain and sump residues
  - \* Non hazardous waste

To comply with this permit condition, on-site generated waste listed above shall not be mixed with off-site generated hazardous waste.

- VI.B.5. <u>CERCLA Hazardous Wastes</u>. The Permittee may receive wastes that arrive without E.P.A. waste code numbers, provided that these wastes are from remediation sites regulated under CERCLA and they comply with all CERCLA off-site management policies. These wastes shall be managed as hazardous wastes and are subject to the terms of this permit. The most current copy of CERCLA off-site procedures shall be kept at the facility.
- VI.B.6. Free liquids may not be disposed in any of the landfill cells, except as provided by VI.K.
- VI.B.7. Wastes bearing a P999 waste code may only be accepted if they are treatment residues which also bear the F999 waste code and are in a porous media listed below:
  - \* soils
  - \* incinerator ash, scrubber residues, slag, and baghouse dust
  - \* activated carbon

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VI.B.8 The Permittee shall not issue a waste acceptance for any P999/F999 waste code combination that is not identified in VI.B.7 above without prior written approval by the Executive Secretary.

# VI.C. GENERAL DESIGN AND CONSTRUCTION OF LANDFILL CELLS

- VI.C.1. The Permittee shall design and construct landfill cells to meet the current state and federal regulations for hazardous waste facilities.
- VI.C.2. Construction of each landfill cell shall follow the construction quality assurance (CQA) program as outlined in 40 CFR 264.19. The construction quality assurance plan should cover all aspects of design and construction. This CQA plan shall be submitted with the appropriate permit modification. The final design with installation procedures must be approved by the Executive Secretary prior to commencement of construction.
- VI.C.3. The approved CQA plan shall be landfill cell specific and will remain part of the permit throughout closure and post-closure activities. This CQA Plan is Attachment VI-2 of this permit.
- VI.C.4. Field changes to the design or construction details may require a modification to the CQA plan. The "Change Control Procedures" in the CQA Plan shall be adhered to. If a modification is necessary, as determined by the field compliance inspector appointed by the Executive Secretary, construction may only proceed after the field compliance inspector evaluates the impact of the change and approves the alteration or substitution. The Permittee must document this field change and place a description of this modification in the facility's CQA plan and mail a copy to the Executive Secretary within seven (7) calendar days of the approval. All field change orders shall become a permanent record to be kept with the CQA document.
- VI.C.5. All Class 1 field modifications, affecting the CQA document after construction has started, may be submitted to the Executive Secretary in one (1) Class 1 permit modification after completion of construction. This would include all "as built" drawings and the minor modification that changed the materials of construction or the procedures to place those materials in the landfill cell.

- VII.A.5. Nothing in this permit shall conflict with requirements under the Toxic Substances and Control Act (TSCA) regarding activities at the PCB landfill cell and PCB treatment area.
- VII.A.5.a. In addition to required monitoring at the PCB landfill cell under TSCA, the Permittee shall monitor for the same compounds in detection monitoring as for regulated units defined in condition VII.A.6. This data shall be submitted to the Executive Secretary at the same time as those semi-annual or other submissions required herein, except that sampling and reporting may be adjusted to meet any required timetables under TSCA.
- VII.A.6. The Permittee must follow all of the provisions under Part R315-8-6, <u>Groundwater Protection</u>, and as defined by these permit conditions. For purposes of this permit, the R315-8-6 regulations for Groundwater Protection shall apply to all units at the facility defined above; however, provisions for detection and compliance monitoring shall be defined specifically for unit waste management compliance points under R315-8-6.6, except as determined by the Executive Secretary. Due to the particular nature of the groundwater piezometric surface at this facility, down gradient conditions may occur in any direction from the Waste Management Area (WMA) units. The present waste management areas and compliance points defined below are shown on Attachment VII-1:
- VII.A.6.a. There shall be a common up-gradient well system serving as background for all of the individual waste management unit downgradient monitoring wells. Monitoring wells MW-1, PZ-06, PZ-07, and PZ-08 shall serve as the up-gradient well system.
- VII.A.6.b. WMA #1 shall enclose the surface impoundment unit. The points of compliance are a line encircling this unit at the toe of the outer dike. Wells #10, #11, and #12 shall serve as down-gradient monitoring wells for WMA #1. A map showing the location of all WMAs can be found in Attachment VII-1.
- VII.A.6.c. WMA #2 shall enclose the land treatment units as a single monitoring system. The points of compliance are a line encircling this unit at the toe of the outer berm. Wells #8, #5, #18, and #19 shall serve as down-gradient monitoring wells for WMA #2.

- VII.A.6.d. WMA #3 shall include landfill cells #1, #2, #3, and #4. The points of compliance are a line encircling these cells at the toe of the outer berm on all sides (north, south, east, and west). Wells #24, #25, #27, #28, #29, #30, #42, #43, #44, #45, #46, #58, and #59 shall serve as initial down-gradient monitoring wells for this WMA.
- VII.A.6.e. WMA #4 shall enclose PCB landfill cells X, Y and Z. The points of compliance are a line encircling these cells on all sides at the toe of the outer berm. Wells MW-2, MW-21, MW-22, MW-23, MW-36, MW-40A MW-41, MW-53, MW-54, MW-55, MW-56, MW-57, shall serve as initial down-gradient monitoring wells for this WMA.
- VII.A.6.f. WMA #5 shall enclose the industrial landfill cell #1. The points of compliance are a line encircling this unit at the toe of the outer berm. Wells #32 and #33 shall serve as initial down-gradient monitoring wells for WMA #7. The Executive Secretary shall specify any additional down-gradient wells which may be required for this WMA.
- VII.A.6.g. WMA #6 shall enclose the industrial landfill cell #2 unit. The points of compliance are a line encircling this unit at the toe of the outer berm on the southern, western and eastern sides and the center of the common dike with cell #1 on the northern side. Wells #34, and #35 shall serve as initial down-gradient monitoring wells for WMA #6.
- VII.A.6.h. WMA #7 shall enclose the landfill cell #5 unit. The points of compliance are a line encircling this unit at the toe of the outer berm on the northern, eastern, and southern sides and the center of the common dike with landfill cell #4 and #1 on the western side. Wells #50, #51, #52 and #60 shall serve as initial down-gradient monitoring wells for WMA #7.
- VII.A.6.i. WMA #8 shall enclose the industrial landfill cell #3. The points of compliance are a line encircling this unit at the toe of the outer berm on the eastern, western, and southern sides and the center of the common dike with industrial landfill cell #2 on the northern side. Wells #47, #48, and #49 shall serve as initial down-gradient monitoring wells for WMA #8.
- VII.A.6.j. WMA #9 shall enclose PCB landfill cell B. The points of compliance are a line encircling this unit at the toe of the outer berm on the northern, eastern, and southern sides and the center of the common

dike landfill cell #5 on the western side. Wells MW-67, MW-68, MW-69, MW-70, MW-71, MW-72, MW-73, MW-74, and MW-9 shall serve as initial downgradient monitoring wells for WMA#9.

VII.A.6.k. WMA #10 shall enclose the PCB landfill cell A unit. The points of compliance are a line encircling this unit at the toe of the outer berm on the northern, western, and eastern sides and the center of the common dike with industrial cell #1 on the southern side. Wells MW-61, MW-62, MW-63, MW-64, MW-65, and MW-66 shall serve as initial downgradient monitoring wells for WMA #10.

VII.A.6.I. Addition of new units subject to this section shall follow the same general procedure for defining waste management areas, or as otherwise determined by the Executive Secretary.

VII.A.7. Regulated waste management units (hazardous waste or solid waste) subject to these provisions may only be excluded based on the criteria set forth in R315-8-1.1. and 8.6.1.(b). The regulations and conditions of this permit for groundwater monitoring apply during the active life of the regulated unit including the closure period, and as defined in R315-8-6.1.(c) during compliance and post-closure periods. These regulations shall also apply for the life of solid waste management units as mentioned above, except that solid waste unit closure and post-closure requirements shall be determined by the Executive Secretary as well as other relevant provisions of law.

## VII.B. <u>REQUIRED PROGRAMS</u>

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- VII.B.1. The Permittee shall conduct a monitoring and response program as follows for all units subject to these provisions:
- VII.B.1.a Whenever hazardous constituents under R315-8-6.4. from a regulated unit or solid waste management unit are detected at the compliance point(s) under the conditions of this permit, the Permittee shall institute a compliance monitoring program as defined in this permit and R315-8-6.10.;
- VII.B.1.b. Whenever the groundwater protection standard under R315-8-6.3. and condition VII.C. of this permit is exceeded, the Permittee shall

and holding surface runoff. The approved unit areas are those shown on Attachment IX-B.

IX.C.3. The design and operation of these four (4) land treatment unit areas, as defined in this permit, shall remain the same with respect to location, elevation, slope, native soils, collection ditches, fencing and access control for the duration of this permit, except as affected by approved activities at the land treatment units. Any substantial modifications to this design or operation must be approved by the Executive Secretary following notification by the Permittee.

# IX.D. HAZARDOUS CONSTITUENTS WHICH MUST BE CONSIDERED

IX.D.1. The compounds listed in Attachment IX-A, referred to as the abbreviated Skinner list for refinery compounds, must be evaluated in this land treatment program for listed wastes K048, K049, K050, K051 and K052. In addition, the all metallic and organic constituents (as referenced in R315-50-10) must be evaluated for the specific waste categories below:

D002 D003 D004 D005 D006 D007 D008 D009D 010 D011 K062

IX.D.2. This section shall only be applicable as it relates to the annual monitoring requirements defined in this module. It shall not be applicable to wastes to be land treated since no additional wastes shall be applied to the unit.

# IX.E. <u>HORIZONTAL AND VERTICAL DIMENSIONS OF THE TREATMENT</u> ZONE

IX.E.1. The horizontal dimensions of the treatment zone consist of the 206 acres of land area within the perimeter dikes and not including drainage ditches, identified in condition IX.C. The vertical dimension of the treatment zone consists of the upper soil layers to a depth of 36 inches from the present land surface within these horizontal dimensions. In no event shall the treatment zone extend more than 60 inches below the future land treatment surface. The bottom of the treatment zone shall be at least three (3) feet above the normal high water table at this site.