SECTION 4

PROCESS INFORMATION

Attachment 4-7
Thermal Desorber Monitoring Sheets

MIXED WASTE FACILITY
RCRA/TSCA PERMIT APPLICATION

PERMA-FIX NORTHWEST RICHLAND, INC.

RICHLAND, WASHINGTON

EXAMPLE

DATE: _____

MWTH: RTD Systems Status Sheet #1

Display and Local System Status

Rotary Thermal Desorber (RTD)	Typical Values	0:00	2:00	4:00	6:00	8:00	10:00	12:00	14:00	16:00	18:00	20:00	22:00
Feed Hopper d.p. (PDT-225)	.10-10" w.c.												
AWFCO d.p. (PDT-221)	.10-10" w.c.												
Feed Auger Rotation Speed (SIC-200)	0-100%												
Chamber Cooling Water Return Temp. (TE-620)	< 100° F												
Nozzle Cooling Water Return Temp (TE-625)	< 100° F												
Hot Process Vapor Offgas Temp (TE-205)	380°F-800° F												
RTD Burner Chamber Offgas Temp (TE-210)	< 1200° F												
Kiln Tube Motor Speed (SIC-220A)	0-100%												
RTD Chamber Temperature (TE-200)	Highest												
RTD System Pressure (PDT-210)	>-.04												
Discharge Solids Containment N_2 Pressure	12 - 18 psi												
RTD Product Outfeed Temperature	< 1000°F												
N_2 Pressure to RTD Inlet Shroud (PI-260)	0 - 6 psi												
N_2 Pressure to RTD Outlet Shroud (PI-261)	0 - 6 psi												
N_2 Supply Pressure to Process (PIS-600)	20 psig												
N_2 Pressure to Waste Feed Hopper (FI-626)	6.0 scfm												
Organic Vapor PPM	<10 ppm												
Mercury Monitor	<0.02 mg/m^3												
	Initials												

Comments: _____

Day Shift Review: _____ Night Shift Review: _____

Rev. 00, 08/15/07

EXAMPLE

DATE: _____

MWTH: RTD Systems Status Sheet #2

Display and Local System Status

Condensor / Vapor Skid	Typical Values	0:00	2:00	4:00	6:00	8:00	10:00	12:00	14:00	16:00	18:00	20:00	22:00
Condensate Recirculation Tank Temp. (TE-230)	<100°F												
Condensate Recirculation Tank Level (LT-210)	25 - 30 in.												
Condensate water temp to packed tower (TE-250)	<100°F												
HX Cooling Water Supply Temp (TE-610)	32° F												
Chilled Water Supply to Quench (FIT-230)	> 8 gpm												
Chilled Water Supply to Packed Tower (FIT-220)	0-20 gpm												
HX Cooling Water Return Flow (FIT-610)	0-20 gpm												
Condensate Pump Discharge Press (PDI-220)	~60 psig												
Condensate Filter DP (PDIT-230)	0 - 40 psi												
Vapor Filters F-200/205 DP (PDIT-250)	< 20" w.c.												
Condensate Pumps Running (P-200/205 or Combo)	Yes/No												
Vapor Blowers B-210/215 (PDIS-240)	0 - 30" W.C.												
Liquid Waste Pretreatment System													
Collection Tank Level (LI-310)	0' -50'												
Collection Tank Temperature (TI-310)	< 120° F												
Condensate Transfer Pump Running (P-310)	Yes/No												
Condensate Transfer Pump Discharge Press (PI-310)	< 10 psig												
Liquid Waste Pretreatment System													
Baghouse Exhaust Temperature (TE-09-01)	< 150° F												
Carbon Filter #1 Inlet Temperature (TE-09-02)	< 150° F												
Carbon Filter #1 Exit / #2 Inlet Temperature (TE-09-03)	< 150° F												
Carbon Filter #2 Exit Temperature (TE-09-04)	< 150° F												
DP Across Carbon Tank Beds (PDI-09-25)	< 10" w.c.												
Main Building HEPA DP	< 4" w.c.												
	Initials												

Comments: _____

Day Shift Review: _____ Night Shift Review: _____

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