

F A X**MONTGOMERY WATSON**1475 Pine Grove Rd Suite 109
PO Box 774018
Steamboat Springs, Colorado 80477

Tel: 970 879 6260

Fax: 970 879 9048

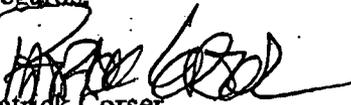
Date: May 6, 2000**To:** Stephanie Kruse - NMED**Reference:** 602**From:** Patrick Corser - MW**Charged Amt:****Fax No.** 505-827-1544**No. of Pages:** ~~2~~ 4
(including cover)**Subject:** Closure Sampling Frequencies - Update

Stephanie,

Attached is an updated summary of sampling frequencies that we have collected from various facilities that were used for closure. The updated portion is limited to the information on the number of samples that would be required for sampling frequencies at 1/400 square feet and 1/4000 square feet at the Triassic Park Facility. We believe this clearly indicates that the total number of samples required to be obtained and analyzed at a sampling frequency rate of 1/4000 square feet is considerably greater than for comparable facilities.

Could you please forward this to Dave and Steve, if appropriate. I would like to discuss this with you when you call to discuss the Techlaw comments.

Regards,



Patrick Corser

cc: Dale Gandy 505-396-6887
Ken Schultz 505-332-7283
Trey Greenwood 505-885-1556

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SOIL SAMPLING FREQUENCY COMPARISON

State	Project	Facility	Soil Sample Rate	Total # of samples	Notes
WA	Hanford	LERF	Note 1		Double lined
		ETF	Note 2		Concrete floor
UT	Safety-Klecn (Clive)	Facility Proper	1/170,000 ft ²	10	
		External	1/160,000 ft ²	12	
		Access Roads/Rail	1/176,000 ft ²	10	
		Beneath Containment Areas	Note 3	Note 3	Concrete floor
UT	Grassy Mountain	Facility Tank Systems	1/300 ft ² Note 4	30	Located on silty clay deposit
		Surface Impoundment	1/2500 ft ²	25	
		Container Storage Pads	1/500 ft ² Note 4	20	
CO	Highway 36	Roadways and Drainage Channels	1/4,000 ft ² Note 5	80	
		Surface Impoundments	1/2,000 ft ² Note 5	20	
NM	Triassic Park	Drum handling Unit	1/4,000 ft ² (1/400 ft ²) Note 6	55 (161)	
		Evaporation Pond Unit		40 (247)	
		Liquid Waste Receiving and Storage Unit		11 (15)	
		Stabilization Unit		4 (38)	
		Roll-off Storage Unit		37 (344)	
		Landfill Unit		51 (51)	

Notes:

1. Soil beneath secondary liner only sampled if drainage layer below primary liner found to be contaminated (through sampling and analysis) and damage observed in secondary liner. No soil sampling frequency provided.
2. Soil beneath the concrete floor only sampled if inspections identify through-thickness cracks in the concrete. No soil sampling frequency provided.
3. Soils beneath the waste containment areas will only be evaluated if indication of leak or loss of integrity observed.
4. Surface grab samples taken every 50' within 6' or 10' area of exposed soil around facility
5. Samples may be composited at 2 to 1 ratio. Numbers shown indicate samples taken, not samples analyzed
6. Sampling frequency undecided – two frequency options shown.

GANDY TRIASSIC PARK FACILITY
NUMBER OF SOIL SAMPLES REQUIRED CALCULATIONS

DESCRIPTION	1/4,000 ft ²	1/400 ft ²
DRUM HANDLING UNIT		
(Closure Plan - Section 8.1.1.4)		
1. Beneath building floor & loading docks 47,147 (area measured in CAD, gravel apron not included)	12	118
2. Floor drain sumps	7	7
3. Dock area	8	8
4. Drainage trenches - 90' at 1/20' = 4 x 7 trenches	28	28
Drum Handling Unit total	55	161
EVAPORATION POND		
(Closure Plan - Section 8.1.2.4)		
1. Surface Impoundment area 92,232 (area measured in CAD, including additional surface area for slopes)	24	231
2. Leachate collection sumps - 1 per sump x 2 sumps	2	2
3. Tanker pad discharge - 37' at 1/10' = 4 x 2 pads	8	8
4. Concrete pad perimeter - 3 sides x 2 pads	6	6
Evaporation Pond total	40	247
LIQUID WASTE RECEIVING AND STORAGE		
(Closure Plan - Section 8.1.3.3)		
1. Receiving and Storage unit - 42' x 35' = 1470 (including concrete pad)	N/A	4
2. Sumps - 1 per sump x 2 sumps	2	2
3. Tanks - 1 per tank x 2 tanks	2	2
4. Tank pad perimeter - 2 tanks x 3 sides + 1 shared side	7	7
Liquid Waste Receiving and Storage total	11	15
STABILIZATION UNIT		
(Closure Plan - Section 8.1.4.4)		
1. Stabilization unit building - 123' x 118' = 14514		
2. Vent Bag house - 32' x 10' = 320 (not including gravel apron)		
Stabilization Unit total 14834	4	38

GANDY TRIASSIC PARK FACILITY
NUMBER OF SOIL SAMPLES REQUIRED CALCULATIONS

DESCRIPTION	1/4,000 ft ²	1/400 ft ²
ROLL-OFF STORAGE AREA		
(Closure Plan - Sections 8.1.5, 8.1.1.4)		
1. Storage area - 414' x 330' = (measured to outside edge of berm)	136620	35 342
2. Sumps - 1 per sump x 2 sumps		2 2
Roll-off Storage Area total		37 344
LANDFILL		
(Closure Plan - Sections 8.1.6)		
1. Perimeter of cover - 1 per 100' of haul road		
North perimeter road -	1160	
East perimeter road -	1460	
West perimeter road -	1360	
total	3980	40 40
2. Stormwater Runoff Basin and associated Drainage ditches - 1 per 40,000 ft ²		
Stormwater Runoff Basin - 460' x 860' =	395600	
Drainage ditches		
2 per perimeter road	7960	
South side of Phase I	1420	
Ditch to SW Basin	640	
total	405620	11 11
Landfill total		51 51
Total number of samples - All Facilities	198	856

Calculations based on Closure Plan and Facility Drawings in Triassic Park Hazardous Waste Facility Tech Law Review Copy. Calculations completed for two sampling frequency scenarios: 1/4,000 ft² and 1/400 ft².