



2013-00215 )
Division of
Solid and Hazardous Waste

MAR - 1 2013

February 28, 2012

Scott Anderson, Director Department of Environmental Quality Division of Solid and Hazardous 195 North 1950 West, 2<sup>nd</sup> Floor Salt Lake City, UT 84114

Subject: Wasatch Regional Landfill 2012 Solid Waste Report

Dear Mr. Anderson,

Please find enclosed the Wasatch Regional Landfill 2012 Solid Waste Report. The report includes the following attachments: Quarterly gas monitoring summary, Safety and Training Schedule, Closure and Post Closure, CPC, cost estimates.

The Closure and Post Closure estimates have been updated by the DEQ recommended CPI of 1.01767 and certified by Geo-Logic Associates. Wasatch is in the process of updated the financial assurance bond to reflect the currents CPC estimates and will provide the bond as soon as it becomes available.

The 2012 semi-annual ground water monitoring reports were previously submitted.

If you have any questions, please contact me at 435-888-4418 (22).

Darın Olson

Attachments:

cc: Tooele County Health Department

Tooele County Engineering Department

Sw237

## Division of and Hazardous Wast

### SOLID WASTE LANDFILL ANNUAL REPORT

For Calendar year 2012

MAR - 1 2013 2013 - 002151

Facility Name: Wasatch Regional Landfill Facility Mailing Address: 8833 North Rowley Road  (Number & Street, Box and/or Route)  City: North Skull Valley  County: Tooele  Permit No.: 0501M2  Owner  Name Wasatch Regional Landfill  Phone No.:(801) 924-8540  Mailing Address: 8833 North Rowley Road
(Number & Street, Box and/or Route)  City: North Skull Valley Zip Code: 84029  County: Tooele Permit No.: 0501M2  Owner  Name Wasatch Regional Landfill Phone No.: (801) 924-8540
City: North Skull Valley Zip Code: 84029 County: Tooele Permit No.: 0501M2  Owner Name Wasatch Regional Landfill Phone No.: (801) 924-8540
County: Tooele Permit No.: 0501M2  Owner  Name Wasatch Regional Landfill Phone No.:(801) 924-8540
Owner Name Wasatch Regional Landfill Phone No.:(801) 924-8540
Name Wasatch Regional Landfill Phone No.:(801) 924-8540
Name Wasatch Regional Landfill Phone No.:(801) 924-8540
(Number & Street, Box and/or Route)
City: North Skull Valley State: Utah Zip Code: 84029
Contact's Name: <u>Lester Lemmon</u> Title: <u>Site Manager</u>
Contact's Mailing Address: 8833 North Rowley Road
Phone No.: (801) 924-8540 Contact's Email Address:
1100035@republicservices.com
Operator (Complete this section only if the operator is not an employee of the Owner shown above)
Name: Same as Above Phone No.:( )
Mailing Address:
Mailing Address:  (Number & Street, Box and/or Route)
City: East Carbon State: Utah Zip Code:
City: <u>East Carbon</u> State: <u>Utah</u> Zip Code: Contact's Name: Title:
Contact's Mailing Address:Contact's Email Address:
Phone No.:( Contact's Email Address:
Facility Type and Status
Class I Class IIIb X Class V
Class II Class IVa Class VI
Class IIIa Class IVb
Facility operates separate cells for C/D and municipal waste.  Yes  No X
If facility was permanently closed during the year enter date closed: N/A
If facility was permanently closed during the year effect date closed. IVA
Annual Disposal (
Annual Disposition of the second of the seco
Total tons received at facility for disposal:
Waste Type Waste Origin Total Measurement
In-State Out-of-State Tons Cubi
Yard
Municipal 497,357 0 497,357 X
Industrial <u>52,005</u> <u>3,788</u> <u>55,793</u> X
C/D¹
C/D·
<sup>1</sup> C/D waste meludes all waste going to a Class IV or VI landfill cell
Conversion Factor Used

Recyc	eling		`* 1			
	Material Recycled: 0 (Material recycled should not be	included in d	isposed tons report	ed Report cor	Tor	as Cubic Yds. Comm Circle tons or yards)
Jtah	Disposal Fee					Agid Contract
	Disposal Fee Require	d to be P	aid to State	Yes X	No П	
	-	unicipal	\$ 64,656		C/D	\$
	•	lustrial	\$ 139,483		Annual	\$
	(Municipal, Industrial and C/D a	re fees paid b	y Commercial Faci	lities. Annual	fee is paid by facili	ties operated by a municipality)
and	fill Capacity					
	Current Landfill Ren	_		Cu	bic Yards: 2	17,876,656
	Years: 135					17,070,030
			· ·····			<b>4</b>
	Acres Currently Oper	ı: <u>71</u>		Acres	Currently Cl	osed: 0
inan <sup>?</sup>	cial Assurance			· • • • • • • • • • • • • • • • • • • •		
				<del> </del>	· · · · · ·	
	Current Closure Cost					
	Current Post-Closure				10.1	
	Current Amount or B	alance in	Micchanism: Tif balance does no	: \$3,265,8 of equal or exce	SZ I ed total for closure	and post-closure care please contact
	the Division)					and post crossive care picase contact
	Current Financial Ass (ie Bond, Trust Fund				<del></del>	
					: 104569268	3
	(ic Name of Bond C					
	Financial Assurance: Fac	h facility n	ust <del>f</del> ecalculate	the cost of	closure and no	st-closure care to account for
	inflation and design chang					
	Facilities that are using a	trust accoun	nt should includ	le a copy of	the most recen	it account statement.
	Note Facilities using "					Financial Test" must
	provide the intor	mation req	uirea in R313-3	009-8(4) OF	K313-309-9(3)	each.year.
Other	Required Reports		,			
	Ground Water Monitoring	g: Class I a	nd V landfills o	only. Check	if exempt	
	Explosive Gas Monitoring	g: Class I, I	I and V landfill	s only. Che	ck if <u>exempt</u>	
	Training Report: A report	of all train	ing programs o	Procedure	s completed by	facility personnel during the
	year.	/	7/1/	/*		,
٠.	· Ann				-	2/15/13
Signat ignature	ture: should be by an executive officer,	general nartne	er, proprietor, electe	ed official, or a	Date duly authorized re	te: //ン//フ
presenta	ative must meet the requirements of	f the solid was	ste rules (UAC R3)	15-310-2(4)(d)	).	r
	me: Tim Powell			Title: A	rea President	

# Geo-Logic

February 6, 2013 Project No. 2013.A005

Mr. Darin Olson Republic Services 1111 West Hwy 123 East Carbon, UT 84520

Re: 2013 Closure Post-Closure Estimate for the Wasatch Regional Landfill

Dear Darin,

Per your request, Geo-Logic Associates (GLA) has revised the Closure and Post-Closure Cost Estimate for the Wasatch Regional Landfill operated by Republic Services, Inc. (Republic). This letter is provided to certify that the attached estimates (Tables 1 through 3) were prepared in accordance with generally accepted civil engineering and waste management practices and in accordance with the requirements of 40 CFR 258.60, Subpart F. It should be noted that no corrective action is anticipated for the site and therefore, no costs for corrective action are provided in the estimates.

The 2013 Closure and Post-Closure Costs were derived after reviewing the previous cost estimates and adjusting the cost spreadsheets, where applicable, by the Utah Department of Environmental Quality (UDEQ) Inflation Adjustment of 1.01767. Please note that there were no changes from the 2012 to 2013 Closure Cost due to an increase in the landfill area from expansion construction or new closure activities.

We hope this provides you with the information you requested. If you have any question regarding the cost estimate, please contact me at your earliest convenience at (530) 272-2448.

Yours sincerely,

Todd Ramey, P.E. Senior Project Manager

Enclosure - Tables 1 through 3

	SATCH REGIO JRE COST ESTI			ď		
SIZE OF CLOSURE AREA:	73.	7 AC	RES			
CLOSURE COSTS	MEASURE		UNIT COST	QUANTITY		TOTAL
Supply & Placement of Closure Cap						•
General Contractor Mobilization/Demobilization	Lump Sum	. \$	36,712 95	1	s	36,712.95
Soil Cover (30")	Cubic Yard	\$	3.37	297340	\$	1,003,299 26
Grading of Waste/Surface Preparation	Lump Sum	s	21,048 87	Ī	\$	21,048.87
Surveying	Acre	\$	1,676 59	. 74	s	123,599 17
Grass Erosion Control on Slopes(2)	Acre	s	786.71	59	\$	46,391.41
Subtotal - Supply and Placemen	ıt of Closure Cap				\$	1,231,051.66
Stormwater/Groundwater Controls					,	
Channel Excavations	Lineral Feet	\$	6 96	3870	\$	<b>26,94</b> 5.77
Riprap Channel Granular Filter (run-on control)	Cubic Yard	\$	49 25	1690	S	83,238.07
Riprap Channel Riprap (run-on control)	Cubic Yard	s	47.98	2530	S	121,385 81
Downdrain Pipe	Lineral Feet	\$	91 05	805	\$	73,296 15
Install Remaining Groundwater Drain (open channel)	Cubic Yard	\$	3 40	63355	\$	215,407.00
Install Remaining Groundwater Drain (pipe)	Lineral Feet	S	66 42	3525	\$	234,146.24
Install Drain Pipe Under Raılroad(1)	Lump Sum	s	109,328.50	1	s	109,328.50
Subtotal - Stormwater/Ground	water Controls				5	648,340.53
Leachate Evaporation Pond (assume approximate)	nately 100' x 100' :	k 10'	deep)			
Pond Excavation/Earthwork	Cubic Yard	\$_	2 20	1850	\$ .	4,063.46
GCL	Square Feet	. \$	0.47	13100	\$	6,170.65
60 Mil HDPE Textured, 3-layers	Square Feet	\$	1 09	39300	s	42,957 97
Geonet, 2-Layers	Square Feet	\$	0 46	26200	s	11,946.62
Leak Detection Pipes and Sumps	Each	s	10,489.42	2	s	20,978.83
. Subtotal - Leachate Eyaporatio	n Pond				\$	86,117.53
Other: (List)						
Engineering Site Evaluation	Lump Sum	\$	9,827 55	1	s	9,827.55
Design, Specification & CQA/CQC Manual	Lump Sum	\$	49,137 74	1	2	49,137 74
Project Mgmt & QA/QC, Oversight	Lump Sum	s	98,275 49	. 1	s	98,275.49
Subtotal - Other					S	157,240.78
TOTAL					\$	2,122,750.50

TABLE 1

#### NOTES:

- 1 The cost to install a drain pipe and the cost of an open channel drain from the ground water control system to the canal to the east of the facility is about the same Assume the pipe cost for financial assurance.
- 2 Erosion control costs are derived from ECDC 2008 actual costs, adjusted for inflation Acreage for slopes equals total acreage minus the top deck.

SE TOOD V. RAMEY S

## TABLE 2 WASATCH REGIONAL LANDFILL POST-CLOSURE COST ESTIMATES SUMMARY

POST-CI	LOSURE CO	STESTIM	ATES SU	MMAKY				
LENGTH OF CLOSURE ACTIVITIES:	30	YEARS						
LANDFILL AREA:	73.7	ACRES						
						COST/		30-YEAR
FINAL CLOSURE COSTS						YEAR		TOTAL
Closure Certification <sup>(1)(4)</sup>					\$	1,707.16	\$	51,214.65
MAINTENANCE ĆOSTS <sup>(1)(4)</sup>								-
Security, fencing, gates, signs, access, etc.					s	1,963.23	\$	58,896.85
Erosion repair, settlement repair, revegetation		\$	5,690.52	S .	170,715 51			
Surface water control maintenance (run-on/run-off)		S	2,845.26	\$	85,357.76			
Monitoring system maintenance, repair, replacement					S	1,138 10	\$	. 34,143.10
Leachate collection system, repair, replacement					s	. 1,138.10	s	34,143.10
Subtotal - Maintenance Costs					\$	12,775.21	\$	383,256.33
	# OF	# OF	FREQ/	COST/		COST/		
MONITORING COSTS (2)(3)(4)	WELL/PTS	SAMPLES	YEAR	SAMPLE		YEAR	_	
Groundwater								``
3rd Party/Sample Collection <sup>(3)</sup>	3	1	2	\$ 185.97	s	1,115.81		
3rd Party/Statistical Analysis <sup>(3)</sup>	1	1	2	\$ 836 84	S	1,673.68		
Lab Analysis	3	1	2	\$ 409 13	\$	2,454.76	<u> </u>	
Subtotal - Groundwater					\$	5,244.25	\$	157,327.40
Leachate Analysis								·
3rd Party/Sample Collection <sup>(3)</sup>	2	11	2	s -	\$	•		
Lab Analysis (Bi-Annual for 10 years)	2	1	2	\$ 334.74	\$	1,338.95		
Subtotal - Leachate Analysis			····		\$	1,338.95	\$	40,168.36
Landfill Gas				- -				
3rd Party/Operation and Maintenance (3)(5)	15	1	12	\$ 170 65	\$	30,716 98	<u> </u>	
Subtotal - Landfill Gas					\$	30,716.98	\$	460,754.68
	•	HRS/	FREQ/	COST/		COST/		
Oversite Inspection	<b>.</b>	INSPECT	YEAR	SAMPLE		YEAR		
3rd Party Oversite Inspections		4	4	\$ 104.89	\$	1,678 31		
Subtotal - Oversite Inspection	·			-	\$	1,678.31	s	50,349.19
TOTAL					\$	53,460.84	\$	1,143,070.61

#### NOTES:

- 1 Rates are based on the 2013 third-party dollars
- 2 Surface water monitoring costs are not included due to no local surface water sources.
- 3 Estimate reflects third-party semi-annual sample collection, lab analysis and statistical evaluation, monitoring and facility inspection, conducted together, when appropriate.
- 4 All overhead for oversight and record keeping included withm unit rates.
- 5 The landfill gas operation and maintenance total cost is based on operating the system for 15 years.

Exp. 3/31/13

5684084 2202 TODO V. RAMEY

TABLE 3 WASATCH REGIONAL LANDFILL CLOSURE/POST-CLOSURE CARE COST ESTIMATE											
SIZE OF CLOSURE AREA:	73.7 ACRES	**********									
TOTAL CLOSURE COSTS:		\$	2,122,750								
TOTAL POST-CLOSURE COSTS:		\$	1,143,071								
TOTAL CORRECTIVE ACTION COSTS:		\$	-								
TOTAL COST ESTIMATE:		\$	3,265,821								

#### NOTES:

- 1 Total Costs are reported in 2013 third-party dollars
- 2 Includes gas collection and control system (GCCS).
- 3 Corrective actions are currently not anticipated at the site

55 5654084-2202 TODD V. RAMEY 5

WASATCH REGIONAL LANDFILL 2012 GAS MONITORING RESULTS												
	Q1		Q2		Q	3	Q4					
Location	Date	% LEL	Date	% LEL	Date	% LEL	Date	% LEL				
West corner of the scale	3/29/2012	0	6/29/2012	ō	9/28/2012	0	12/31/2012					
Inside of the scale house	3/29/2012	0	6/29/2012	0	9/28/2012	Ò	12/31/2012	0				
Inside the water purification equipment building	3/29/2012	0	6/29/2012	0	9/28/2012	0	12/31/2012	0				
Inside the shop	3/29/2012	0	6/29/2012	0	9/28/2012	0	12/31/2012	(				
Inside the office	3/29/2012	0	6/29/2012	0	9/28/2012	0	12/31/2012	(				
Southwest property line corner	3/29/2012	la	6/29/2012	D	9/28/2012	0	12/31/2012	(				
South property line adjacent to the southwest comer of the existing landfill cell unit	3/29/2012	0	6/29/2012	0	9/28/2012	О	12/31/2012	(				
Southeast property line corner	3/29/2012	0	6/29/2012	0	9/28/2012	0	12/31/2012					
Northeast fence line corner	3/29/2012	0	6/29/2012	0	9/28/2012	0	12/31/2012	C				
Northwest fence line corner	3/29/2012	0	6/29/2012	0	9/28/2012	اه	12/31/2012	1				

Notes Tests performed by Les Lemmon, Operations Manager, with an Industrial Scientific Corporation LEL monitor, model M40 Locations are specified in the DEQ approved Plan of Operations

Pus Ruman 1/11/13

## 2012 Health, Safety and General Training Schedule - BU 453

	Source	Training	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
Osha Compliance Programs						. 45.				7 15.5	3000			
Accident Prevention	1					4								
Blood Borne Pathogens	Rep	All .			<del></del> -			6						
Confined Space	Rep	All										10		
Drug & Alcohol	Rep	All									<del></del>			12
Electrical Safety	Rep	All									9			<u>-</u>
Emergency Response/Fire - Emer Drill	Rep	All			-				7		<b>—</b> —			
Employee Right to Know - MSDS/Haz Com	Rep	All	1								·			-
Forklift	Rep	All	<del> </del>	2						<b>-</b>				
Hearing Conservation	Rep	All	<del> </del>							8				-
Lock Out/Tagout	Rep	All			3					<b>-</b>			<del> </del>	<b> </b>
Personal Protective Equipment	Rep	All		2							_			<del>                                     </del>
Respirator Protection/Fit Tests	Rep	All					· · · · · · · ·	ļ <u>.</u>					11	<del> </del>
Trespitator i Totoccionii it Tosts	1 1.cb 1	7.0				L-,		l		l				
Focus 6														
Adverse Weather	Rep	All	1					I					11	1
Backing - Safe	Rep	All						<del></del>	7	<b></b> -	<del>   </del>		<del>-                                    </del>	
Employee - Slip, Trip and Fall	Rep	All	1						•					
Employee - Heat Considerations	Rep	All					5			<del></del>				<del> </del>
Employee - Struck by Vehicle	Rep	All						<u> </u>		8	<del>                                     </del>		<del>                                     </del>	
Employee - Strains/Sprains	Rep	All								<b>├</b>	1	10	<del> </del>	<del></del>
Intersections	Rep	All	<del>  </del>		3					<del> </del>	<del></del>		<del></del>	
Pedestrian	Rep	All			<del>.</del>	-		6						
Rear Collisions	Rep	All		2				<u> </u>			9			
Rollovers	Rep	Ail		-		4				<del></del>	<del>-</del>			<del></del>
Year in Review	Rep	All					-				<del>                                     </del>			12
Toda in Novion	1 1100	7 40	لـــــــــــــــــــــــــــــــــــــ			L	l	l	<u></u>	L				· · · · · ·
Compliance/Safety Program Management														
Acceptance & Unloading Procedures	Site Plan	All	· · · · · ·					Γ		I		<u> </u>	11	r
Accident Investigation/Reporting								6		<del></del>		ļ	<del></del>	<del></del>
SACLAGED DIVESTICATION REDIVIDED	I AM/S/M I	ΔΙΙ											1	
	AW S/M	All All								l			11	
Asbestos Handling/Special Waste	AW S/M	All							7				11	
Asbestos Handling/Special Waste Blue Signal Policy - Railroad Crossings	AW S/M Site Plan	All			3				7				11	
Asbestos Handling/Special Waste Blue Signal Policy - Railroad Crossings Contractor Safety	AW S/M Site Plan AW S/M	All All			3								11	
Asbestos Handling/Special Waste Blue Signal Policy - Railroad Crossings Contractor Safety Corporate Notification Form	AW S/M Site Plan AW S/M Misc	All All All Mngrs			3		5		7				11	3,4
Asbestos Handling/Special Waste Blue Signal Policy - Railroad Crossings Contractor Safety Corporate Notification Form Facility Inspection/Cover Integrity	AW S/M Site Plan AW S/M Misc AW S/M	All All All Mngrs Mngrs			3		5			8			11	3,00
Asbestos Handling/Special Waste Blue Signal Policy - Railroad Crossings Contractor Safety Corporate Notification Form Facility Inspection/Cover Integrity Hot Loads/Fire Procedures	AW S/M Site Plan AW S/M Misc AW S/M S/alerts	All All All Mngrs Mngrs All			3		5			8		10	11	3,00
Asbestos Handling/Special Waste Blue Signal Policy - Railroad Crossings Contractor Safety Corporate Notification Form Facility Inspection/Cover Integrity Hot Loads/Fire Procedures Landfill Gas Safety	AW S/M Site Plan AW S/M Misc AW S/M S/alerts Area Safety	All All All Mngrs Mngrs All All			3		5			8		10	11	12
Asbestos Handling/Special Waste Blue Signal Policy - Railroad Crossings Contractor Safety Corporate Notification Form Facility Inspection/Cover Integrity Hot Loads/Fire Procedures Landfill Gas Safety Load Inspections/Manifests	AW S/M Site Plan AW S/M Misc AW S/M S/alerts Area Safety Misc	All All All Mngrs Mngrs All All All					5			8		10	11	12
Asbestos Handling/Special Waste Blue Signal Policy - Railroad Crossings Contractor Safety Corporate Notification Form Facility Inspection/Cover Integrity Hot Loads/Fire Procedures Landfill Gas Safety Load Inspections/Manifests Lifting - Proper Technique and Ergonomics	AW S/M Site Plan AW S/M Misc AW S/M S/alerts Area Safety Misc Area Safety	All All All Mngrs Mngrs All All All All			3		5			8			11	12
Asbestos Handling/Special Waste Blue Signal Policy - Railroad Crossings Contractor Safety Corporate Notification Form Facility Inspection/Cover Integrity Hot Loads/Fire Procedures Landfill Gas Safety Load Inspections/Manifests Lifting - Proper Technique and Ergonomics OSHA/DOT Inspections/Recordkeeping	AW S/M Site Plan AW S/M Misc AW S/M S/alerts Area Safety Misc Area Safety AW S/M	All All All Mngrs Mngrs All All All All All Mngrs			3		5			8		10	11	12
Asbestos Handling/Special Waste Blue Signal Policy - Railroad Crossings Contractor Safety Corporate Notification Form Facility Inspection/Cover Integrity Hot Loads/Fire Procedures Landfill Gas Safety Load Inspections/Manifests Lifting - Proper Technique and Ergonomics OSHA/DOT Inspections/Recordkeeping Rejected Load Form	AW S/M Site Plan AW S/M Misc AW S/M S/alerts Area Safety Misc Area Safety AW S/M Xfr Policy	All All All Mngrs Mngrs All All All All All All All All All Al					5			8			11	12
Asbestos Handling/Special Waste Blue Signal Policy - Railroad Crossings Contractor Safety Corporate Notification Form Facility Inspection/Cover Integrity Hot Loads/Fire Procedures Landfill Gas Safety Load Inspections/Manifests Lifting - Proper Technique and Ergonomics OSHA/DOT Inspections/Recordkeeping Rejected Load Form Seat Belt Use - Safety Glasses	AW S/M Site Plan AW S/M Misc AW S/M S/alerts Area Safety Misc Area Safety AW S/M Xfr Policy Rep	All All All Mngrs Mngrs All All All All All All All All All Al		2	3		5			8			11	12
Asbestos Handling/Special Waste Blue Signal Policy - Railroad Crossings Contractor Safety Corporate Notification Form Facility Inspection/Cover Integrity Hot Loads/Fire Procedures Landfill Gas Safety Load Inspections/Manifests Lifting - Proper Technique and Ergonomics OSHA/DOT Inspections/Recordkeeping Rejected Load Form Seat Belt Use - Safety Glasses SWPPP & SPCC Training	AW S/M Site Plan AW S/M Misc AW S/M S/alerts Area Safety Misc Area Safety AW S/M Xfr Policy Rep Site Plan	All All All Mngrs Mngrs All All All All All All All All All Al		2	3		5			8	9			12
Asbestos Handling/Special Waste Blue Signal Policy - Railroad Crossings Contractor Safety Corporate Notification Form Facility Inspection/Cover Integrity Hot Loads/Fire Procedures Landfill Gas Safety Load Inspections/Manifests Lifting - Proper Technique and Ergonomics OSHA/DOT Inspections/Recordkeeping Rejected Load Form Seat Belt Use - Safety Glasses	AW S/M Site Plan AW S/M Misc AW S/M S/alerts Area Safety Misc Area Safety AW S/M Xfr Policy Rep	All All All Mngrs Mngrs All All All All All All All All All Al		2	3		5			8			11	12
Asbestos Handling/Special Waste Blue Signal Policy - Railroad Crossings Contractor Safety Corporate Notification Form Facility Inspection/Cover Integrity Hot Loads/Fire Procedures Landfill Gas Safety Load Inspections/Manifests Lifting - Proper Technique and Ergonomics OSHA/DOT Inspections/Recordkeeping Rejected Load Form Seat Belt Use - Safety Glasses SWPPP & SPCC Training Waste Exclusions/Hazardous Waste	AW S/M Site Plan AW S/M Misc AW S/M S/alerts Area Safety Misc Area Safety AW S/M Xfr Policy Rep Site Plan	All All All Mngrs Mngrs All All All All All All All All All Al		2	3		5			8	9			12
Asbestos Handling/Special Waste Blue Signal Policy - Railroad Crossings Contractor Safety Corporate Notification Form Facility Inspection/Cover Integrity Hot Loads/Fire Procedures Landfill Gas Safety Load Inspections/Manifests Lifting - Proper Technique and Ergonomics OSHA/DOT Inspections/Recordkeeping Rejected Load Form Seat Belt Use - Safety Glasses SWPPP & SPCC Training Waste Exclusions/Hazardous Waste Facility & Shop Safety	AW S/M Site Plan AW S/M Misc AW S/M S/alerts Area Safety Misc Area Safety AW S/M Xfr Policy Rep Site Plan Misc	All All All Mngrs Mngrs All All All All All All All All All Al		2	3		5			8				12
Asbestos Handling/Special Waste Blue Signal Policy - Railroad Crossings Contractor Safety Corporate Notification Form Facility Inspection/Cover Integrity Hot Loads/Fire Procedures Landfill Gas Safety Load Inspections/Manifests Lifting - Proper Technique and Ergonomics OSHA/DOT Inspections/Recordkeeping Rejected Load Form Seat Belt Use - Safety Glasses SWPPP & SPCC Training Waste Exclusions/Hazardous Waste  Facility & Shop Safety Battery Safety	AW S/M Site Plan AW S/M Misc AW S/M S/alerts Area Safety Misc Area Safety AW S/M Xfr Policy Rep Site Plan Misc AW SM	All		2	3	4	5			8				12
Asbestos Handling/Special Waste Blue Signal Policy - Railroad Crossings Contractor Safety Corporate Notification Form Facility Inspection/Cover Integrity Hot Loads/Fire Procedures Landfill Gas Safety Load Inspections/Manifests Lifting - Proper Technique and Ergonomics OSHA/DOT Inspections/Recordkeeping Rejected Load Form Seat Belt Use - Safety Glasses SWPPP & SPCC Training Waste Exclusions/Hazardous Waste Facility & Shop Safety	AW S/M Site Plan AW S/M Misc AW S/M S/alerts Area Safety Misc Area Safety AW S/M Xfr Policy Rep Site Plan Misc	All All All Mngrs Mngrs All All All All All All All All All Al		2	3		5			8				12

## 2012 Health, Safety and General Training Schedule - BU 453

	Source	Training	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
Fall Protection, Ladders and Walking Surfaces	AW S/M	All				· H-:	5		-					
Fire Extinguishers	AW S/M	All						_		8				
Flammable & Combustible Liquids	AW S/M	All	1	<u> </u>	i -									
Grinders/Hand Tools/Machine Guarding	AWSM	All	<del>                                     </del>		<b></b>									12
Hot Work/Welding Operations	AW SM	All	<u> </u>		<del> </del>					8				
Jacks/Stands/Hook Inspections	AW SM	All	1	l										
Overhead Cranes/Slings/Chains	AW SM	All	<del>                                     </del>	2				<u></u>			<del>                                     </del>			
Pre-Trip/Post Trip - VCR's	Misc	All	<u> </u>	<del>-</del> -	<b>—</b> ——						9			
Preventive Maintenance	Misc	All												12
Tire Rim Safety	Misc	All	<del>                                     </del>	<del></del>			5	i		<b></b>	<del> </del>		-	
Towing a Vehicle	Misc	All		<del> </del>	<del> </del>		<u> </u>				<del>                                     </del>		11	
	1 141100 1	7 311	<u></u>		L	<u> </u>	<u> </u>	l,,	L	L	·	·		
Safety Standards and Republic Manuals														
Cell Phones, Radios & Other Distractions	Stndrds	All	1			4			I			1		
Disposal Facility Safety Standard	Stndrds	All	1		1			6			1			
Employee Safe Work Practices Handbook	Manual	All			3									
Equipment Maintenance Manuals	LEM	Mngrs	<del>                                     </del>		3		· · · · · ·	l					T	
Facility & Vehicle Security	Stndrds	All	1				5	l	T	<b> </b>	<b>†</b>		T	
Heavy Equipment Operators Manual	Manual	All	<del>                                     </del>	<del></del>	3		<u> </u>					· · · ·	<u> </u>	
High Visibility Clothing	Stndrds	All	<u> </u>	<del> </del>						†	<del>                                     </del>		11	
Housekeeping - Walking - Working	Stndrds	All	† ·	<del>                                     </del>						· · · · · ·		10	T	
Landfill Standards Manual	Manual	All			3	-							T	
Summer Safety Plan - Winter Weather Cklst	Site Plan	All	<del> </del>				5			<u> </u>	<del> </del>	<del>                                     </del>	11	<u> </u>
Temporary Labor	Stndrds	All	1								T	10		
Transfer Station Standards Manual	Manual	All	<b> </b>		3						<del> </del>	T	†——	
				l			I		<u> </u>		<del></del>	<u> </u>	·	·
Smith System - 5 Keys					-									
#1 Aim High in Steering	Plan	All	1				T		7					
#2 Get the Big Picture	Plan	All		2						8				
#3 Keep your eyes Moving	Plan	All			3				1		9			
#4 Leave Yourself an Out	Plan	All				4					T	10	T	
#5 Make Sure They See You	Plan	All					5	1					11	
Other/Safety Topics														
Cold Stress & PPE	Area Safety	All	1										<u> </u>	
First Aid & CPR Training	Misc	All				4								1
Fuel Awareness	Memo	All	1	1	T	T							11	
Heat Stress	Misc	All	1	1	T -		1	6	7	1				
Mounting/Dismounting Equipment - 3 pnts	Area Safety	All	T	<u> </u>		4								
Trenching & Excavating	Misc	All									9			Ţ
		<del></del>	L	·										
ROPE - WCLF														
ROPE - WCLF Barrow Area Management Plan	Site Plan	All	1	<u> </u>	1		1	1	T	1	T	Τ	1	I
ROPE - WCLF Barrow Area Management Plan Bird Control Plan	Site Plan	All	1 1				_		<u> </u>			<del>                                     </del>		
Barrow Area Management Plan	Site Plan	All		2										
Barrow Area Management Plan Bird Control Plan	Site Plan Site Plan	All		2	3									
Barrow Area Management Plan Bird Control Plan Communications Plan Community Relations Plan	Site Plan Site Plan Site Plan	All All		2	3	4								
Barrow Area Management Plan Bird Control Plan Communications Plan Community Relations Plan Customer Service - Complaint Log	Site Plan Site Plan Site Plan ROPE	All All All		2	3	4	5							
Barrow Area Management Plan Bird Control Plan Communications Plan Community Relations Plan Customer Service - Complaint Log Density Improvement Plan/Daily Cover	Site Plan Site Plan Site Plan ROPE Site Plan	All All All All		2	3	4	5	6						
Barrow Area Management Plan Bird Control Plan Communications Plan Community Relations Plan Customer Service - Complaint Log	Site Plan Site Plan Site Plan ROPE	All All All		2	3	4	5	6	7					

## 2012 Health, Safety and General Training Schedule - BU 453

	Source	Training	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
Fire Control Methods/Hot Loads	Site Plan	All								8				
Managing Overweight Loads	ROPE	Mngrs			,						9			
Odor Management Plan	Site Plan	All								T		10		
Operator Training Program - Documented	ROPE	All											11	
Push Offs, Pull Off's and Dig Outs	ROPE	All												12
Radiation Check & Alarm Procedures	Site Plan	All	1											
Safe Tipper Operation	ROPE	All		2		_				]				
Scavenging	Permit	All			3									<u> </u>
Signage Verification	ROPE	Mngrs				4								
Solidification SOP	Site Plan	All					5						<u> </u>	
Special Waste Acceptance Procedures	SWMP	All						6						<u> </u>
Truck Towing	SAFE	All							7				<u>.</u>	L

Company Policy and Controls

Company Policy and Controls														
Americans with Disabilities Act	HRS-101	All		2										
Attendance/Leave/Breaks	Area	Áll	1											
Bereavement Leave	HRS-102	All										10		
Bulletin Board Postings		Mngrs	1											
Budgets and Forecasts	Acct	Mngrs							7_					
Business Ethics/Aware Line	G-101	Mngrs		2										
Capital Addition (CA) Form	Acct	Mngrs			3				i					
Capital Transfer (CT) Form	Acct	Mngrs					5							
Dress Code	HRS-105	All									9			
Drug & Alcohol Free Workplace	SFT-101	All												12
Employee Corrective Action	HRS - 109	All										10		
Environmental Compliance	ENG-101	Mngrs								8				
General Accounting - Lawson	Acct	Mngrs				[					9			
Levels of Authority	LGL-116	Mngrs	Ì			·							<u> </u>	12
Meal Period Policy for Non-Exempt Emp	PAY-101	All							7	Γ'				
Military Leave of Absence	HRS-108	Mngrs						6						
Month End Close	Acct	Mngrs											11	
Post Collection Operations	OPS-101	All				4								
Procurement Cards	PRO-105	Mngrs								8	·			
Reporting of Internal Control Breaches	IAD - 102	Mngrs					,	6		1			<u> </u>	
Safety	SFT-102	All		2										Ĺ <u> </u>
Sexual and Other Harassment	HRS-118	All			3				Γ"			L		
Special Waste Management	ENG-102	All											11	
Travel & Reimbursable Business Expense	T&E-101	All				4								
Workplace Violence and Weapon	HRS - 110	All					5						l	L

Regulatory

DEQ Commercial Facility Inspection	Form	Mnars		2								
· · · · · · · · · · · · · · · · · · ·		Willigis			<del></del>	-		 			 $-\cdots$	
Liner/Protective Cover Procedures	Plan	All		L			5	 			 	
DEQ Operating Plan/Permit	Plan	All	1					·	8			
Start Up, Shut Down & Malf Plan - Flare	Plan	Mnars								9		