

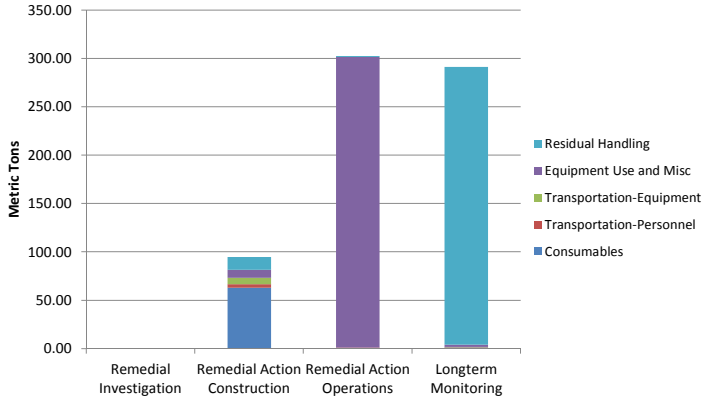
Sustainable Remediation - Environmental Footprint Summary
CEQA Phase I SVE

Phase	Activities	GHG Emissions	Total energy Used	Water Consumption	NOx emissions	SOx Emissions	PM10 Emissions	Accident Risk Fatality	Accident Risk Injury
		metric ton	MMBTU	gallons	metric ton	metric ton	metric ton		
Remedial Investigation	Consumables	0.00	0.0E+00	NA	NA	NA	NA	NA	NA
	Transportation-Personnel	0.00	0.0E+00	NA	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
	Transportation-Equipment	0.00	0.0E+00	NA	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
	Equipment Use and Misc	0.00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
	Residual Handling	0.00	0.0E+00	NA	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
	Sub-Total	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Remedial Action Construction	Consumables	62.99	6.8E+02	NA	NA	NA	NA	NA	NA
	Transportation-Personnel	3.60	4.7E+01	NA	1.1E-03	2.2E-05	1.1E-04	1.6E-04	1.3E-02
	Transportation-Equipment	6.86	8.9E+01	NA	2.2E-03	3.8E-05	1.9E-04	2.7E-05	2.1E-03
	Equipment Use and Misc	8.25	1.0E+02	2.5E+03	8.1E-02	1.1E-02	7.7E-03	1.0E-05	2.6E-03
	Residual Handling	13.10	2.1E+02	NA	2.8E-02	1.4E-02	7.4E-02	3.7E-05	3.0E-03
	Sub-Total	94.80	1.13E+03	2.50E+03	1.13E-01	2.44E-02	8.15E-02	2.36E-04	2.08E-02
Remedial Action Operations	Consumables	0.00	0.0E+00	NA	NA	NA	NA	NA	NA
	Transportation-Personnel	1.10	1.4E+01	NA	4.6E-04	1.4E-05	6.5E-05	3.1E-05	2.5E-03
	Transportation-Equipment	0.00	0.0E+00	NA	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
	Equipment Use and Misc	300.49	4.4E+03	6.6E+04	3.7E+00	3.2E-02	1.7E-02	0.0E+00	0.0E+00
	Residual Handling	0.98	1.3E+01	NA	3.1E-04	5.4E-06	2.7E-05	4.3E-06	3.5E-04
	Sub-Total	302.57	4.42E+03	6.60E+04	3.71E+00	3.19E-02	1.70E-02	3.55E-05	2.86E-03
Longterm Monitoring	Consumables	1.39	7.3E+00	NA	NA	NA	NA	NA	NA
	Transportation-Personnel	0.11	1.4E+00	NA	4.1E-05	1.4E-06	8.3E-06	3.1E-06	2.5E-04
	Transportation-Equipment	0.33	4.3E+00	NA	1.0E-04	1.8E-06	9.1E-06	1.6E-06	1.3E-04
	Equipment Use and Misc	2.55	3.1E+01	0.0E+00	2.6E-02	3.2E-03	2.4E-03	2.7E-06	6.9E-04
	Residual Handling	287.14	3.7E+03	NA	9.0E-02	1.6E-03	8.0E-03	1.2E-03	9.3E-02
	Sub-Total	291.52	3.79E+03	0.00E+00	1.16E-01	4.82E-03	1.04E-02	1.16E-03	9.40E-02
Total		6.9E+02	9.3E+03	6.9E+04	3.9E+00	6.1E-02	1.1E-01	1.4E-03	1.2E-01

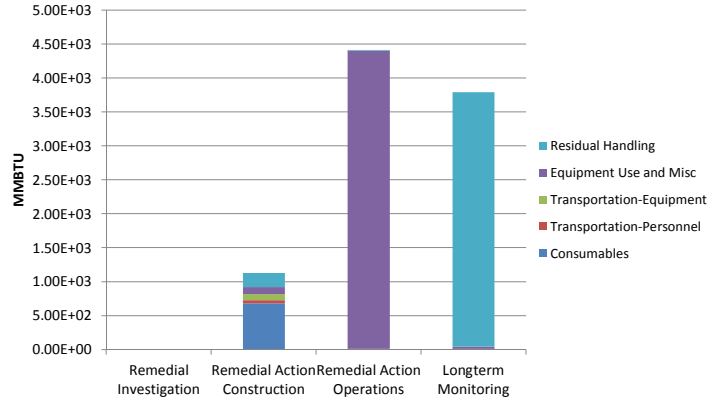
Remedial Alternative Phase	Non-Hazardous Waste Landfill Space	Hazardous Waste Landfill Space	Topsoil Consumption	Costing	Lost Hours - Injury
	tons	tons	cubic yards	\$	
Remedial Investigation	0.0E+00	0.0E+00	0.0E+00	0	0.0E+00
Remedial Action Construction	4.0E+02	0.0E+00	0.0E+00	0	1.7E-01
Remedial Action Operations	0.0E+00	0.0E+00	0.0E+00	0	2.3E-02
Longterm Monitoring	0.0E+00	0.0E+00	0.0E+00	0	7.5E-01
Total	4.0E+02	0.0E+00	0.0E+00	\$0	9.4E-01

Total Cost with Footprint Reduction
\$0

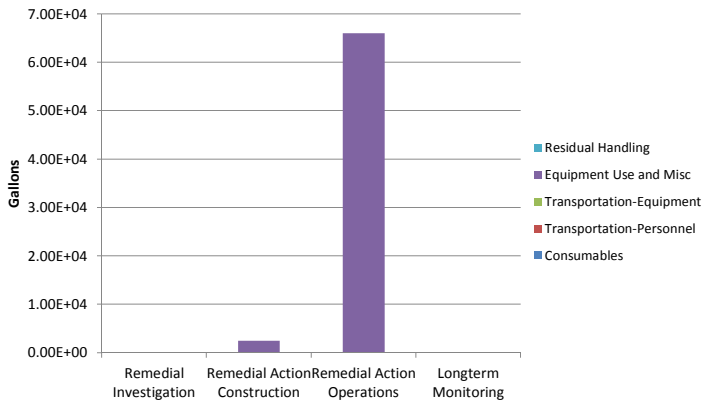
GHG Emissions



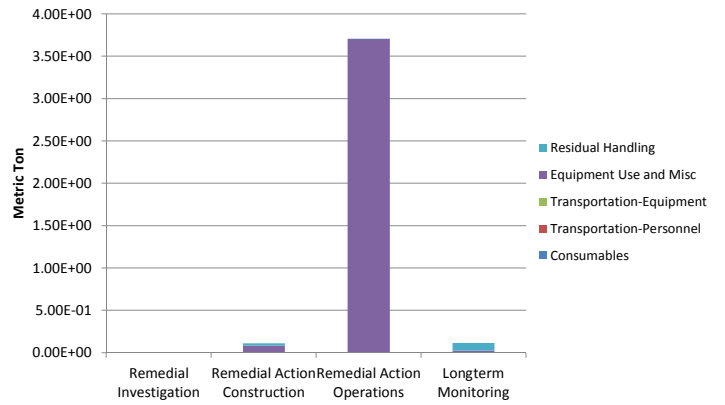
Total Energy Used



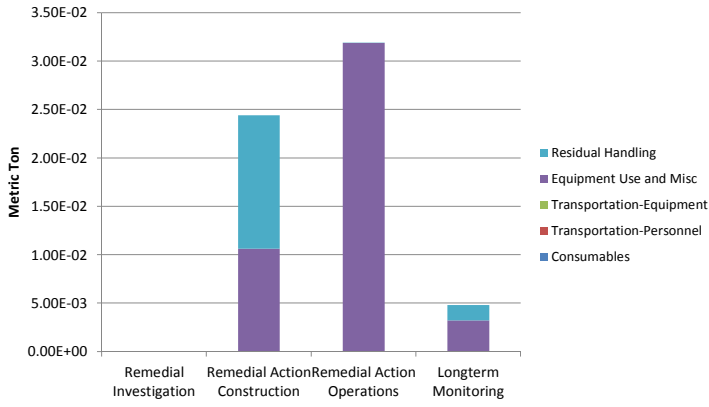
Water Consumption



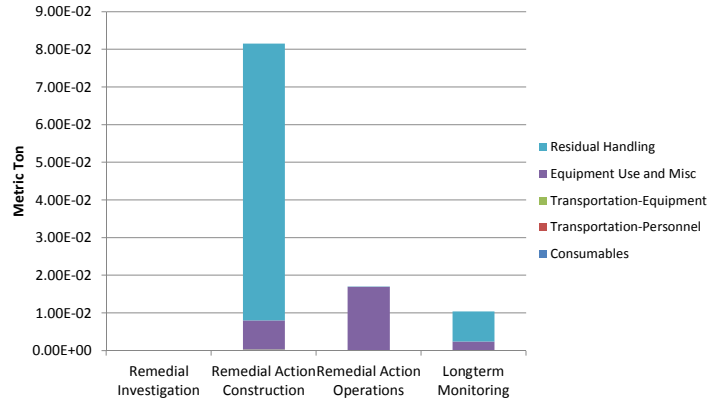
NOx Emissions



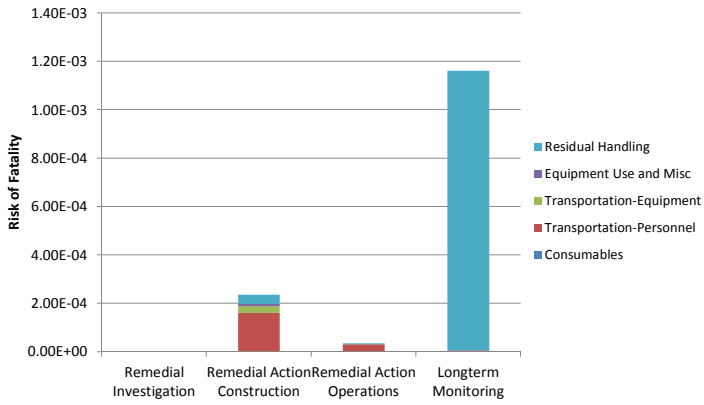
SOx Emissions



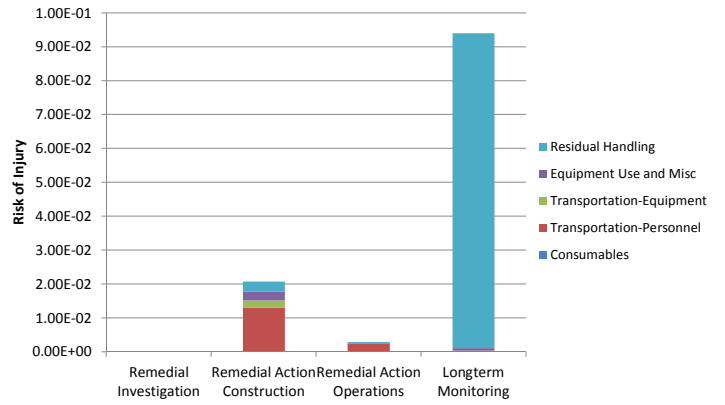
PM₁₀ Emissions



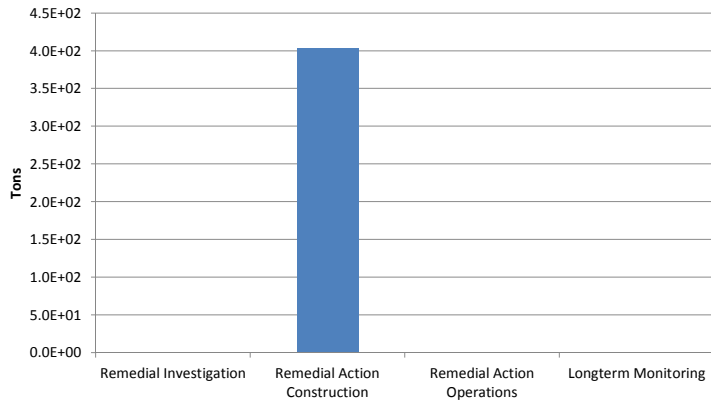
Accident Risk - Fatality



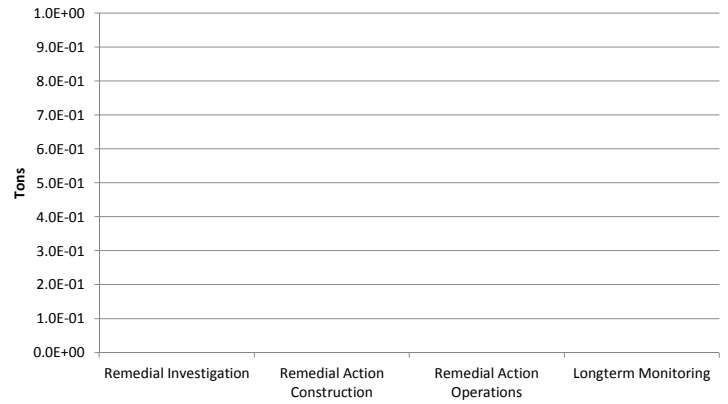
Accident Risk - Injury



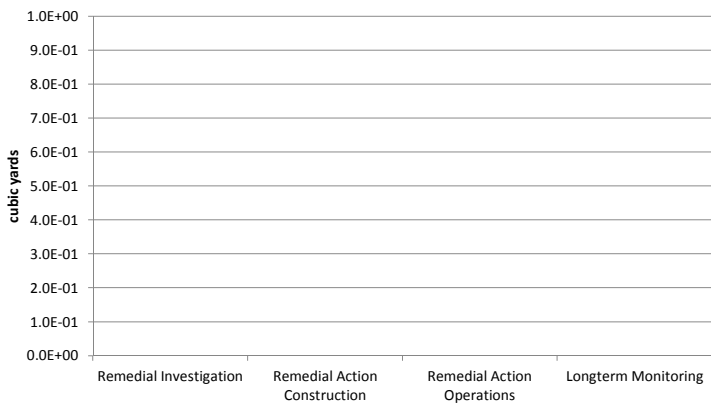
Non-Hazardous Waste Landfill Space



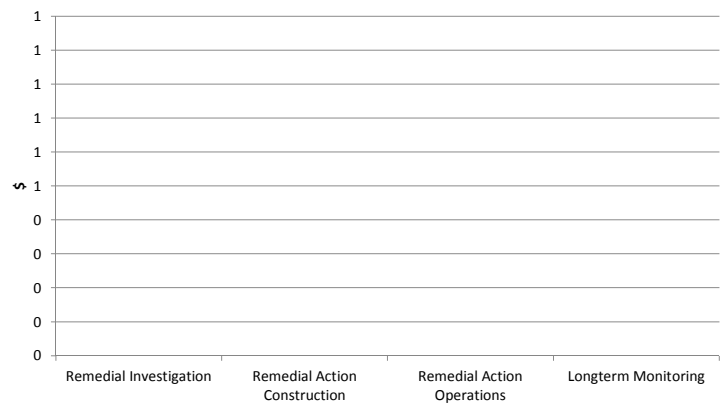
Hazardous Waste Landfill Space



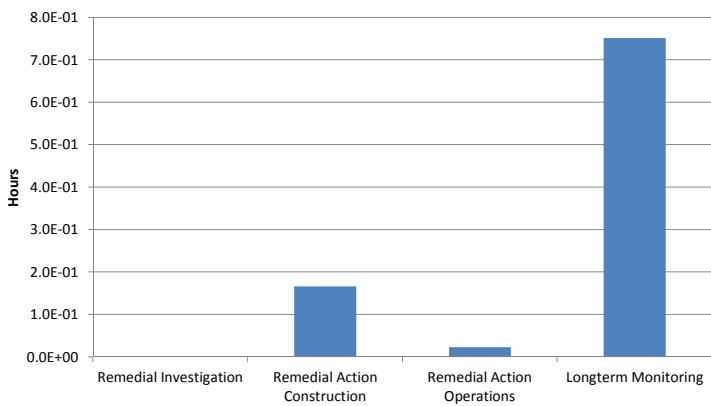
Topsoil Consumption



Costing



Lost Hours - Injury



Sustainable Remediation Summary - Remedial Action Construction

Activities	GHG Emissions	Percent Total	Total Energy Used	Percent Total	Water Consumption	Percent Total	NOx Emissions	Percent Total	SOx Emissions	Percent Total	PM10 Emissions	Percent Total	Accident Risk Fatality	Percent Total	Accident Risk Injury	Percent Total
	metric ton	%	MMBTU	%	gallons	%	metric ton	%	metric ton	%	metric ton	%		%		%
Consumables	62.99	66.4	6.8E+02	60.4	NA	NA	NA	-	NA	-	NA	-	NA	NA	NA	NA
Transportation-Personnel	3.60	3.8	4.7E+01	4.2	NA	NA	1.1E-03	1.0	2.2E-05	0.1	1.1E-04	0.1	1.6E-04	68.5	1.3E-02	62.6
Transportation-Equipment	6.86	7.2	8.9E+01	7.9	NA	NA	2.2E-03	1.9	3.8E-05	0.2	1.9E-04	0.2	2.7E-05	11.2	2.1E-03	10.3
Equipment Use and Misc	8.25	8.7	1.0E+02	9.1	2.5E+03	100.0	8.1E-02	71.9	1.1E-02	43.3	7.7E-03	9.5	1.0E-05	4.4	2.6E-03	12.6
Residual Handling	13.10	13.8	2.1E+02	18.4	NA	NA	2.8E-02	25.1	1.4E-02	56.5	7.4E-02	90.2	3.7E-05	15.9	3.0E-03	14.5
Total	94.80	100.0	1.13E+03	100.0	2.50E+03	100.0	1.13E-01	100.0	2.44E-02	100.0	8.15E-02	100.0	2.36E-04	100.0	2.08E-02	100.0

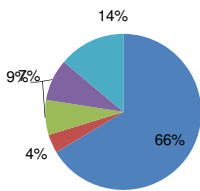
Additional Sustainability Metrics

Non-Hazardous Waste Landfill Space (tons)	404.0
Hazardous Waste Landfill Space (tons)	0.0
Topsoil Consumption (yd ³)	0.0
Cost of Phase (\$)	0.0
Lost Hours - Injury	0.2

Footprint Reduction

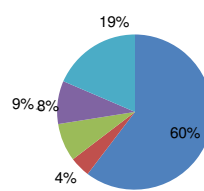
Total electricity replacement (MWh)	0.00E+00
Total electricity replacement (mmBtu)	0.00E+00
Landfill gas reduction (metric ton CO ₂ e)	0.00E+00
GHG emissions (metric ton CO ₂ e)	0.00E+00
NOx emissions (metric ton)	0.00E+00
SOx emissions (metric ton)	0.00E+00
PM10 emissions (metric ton)	0.00E+00

GHG Emissions



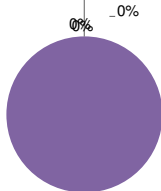
■ Consumables ■ Transportation-Personnel ■ Transportation-Equipment
■ Equipment Use and Misc ■ Residual Handling

Energy Consumption



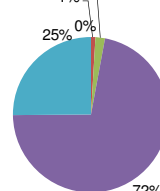
■ Consumables ■ Transportation-Personnel ■ Transportation-Equipment
■ Equipment Use and Misc ■ Residual Handling

Water Consumption



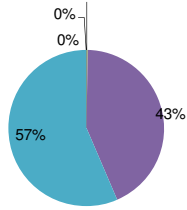
■ Consumables ■ Transportation-Personnel ■ Transportation-Equipment
■ Equipment Use and Misc ■ Residual Handling

NOx Emissions



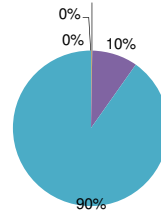
■ Consumables ■ Transportation-Personnel ■ Transportation-Equipment
■ Equipment Use and Misc ■ Residual Handling

SOx Emissions



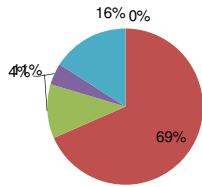
■ Consumables ■ Transportation-Personnel ■ Transportation-Equipment
■ Equipment Use and Misc ■ Residual Handling

PM10 Emissions



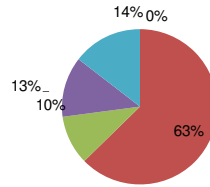
■ Consumables ■ Transportation-Personnel ■ Transportation-Equipment
■ Equipment Use and Misc ■ Residual Handling

Accident Risk - Fatality



■ Consumables ■ Transportation-Personnel ■ Transportation-Equipment
■ Equipment Use and Misc ■ Residual Handling

Accident Risk - Injury



■ Consumables ■ Transportation-Personnel ■ Transportation-Equipment
■ Equipment Use and Misc ■ Residual Handling

Sustainable Remediation Summary - Remedial Action Operations

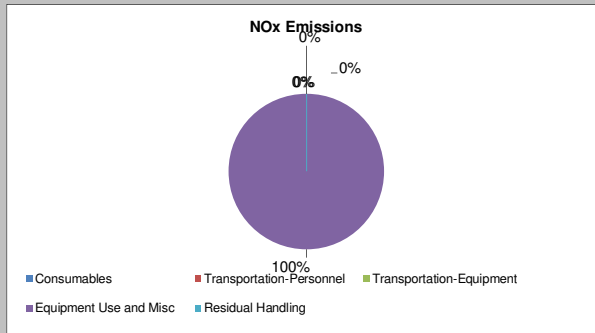
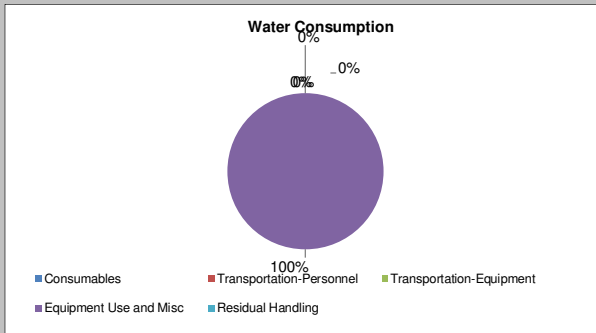
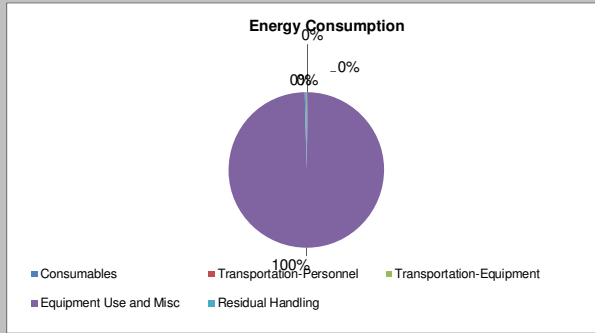
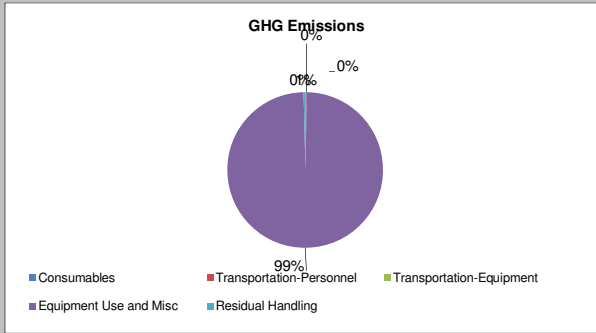
Activities	GHG Emissions	Percent Total	Total Energy Used	Percent Total	Water Consumption	Percent Total	NOx Emissions	Percent Total	SOx Emissions	Percent Total	PM10 Emissions	Percent Total	Accident Risk Fatality	Percent Total	Accident Risk Injury	Percent Total
	metric ton	%	MMBTU	%	gallons	%	metric ton	%	metric ton	%	metric ton	%		%		%
Consumables	0.00	-	0.0E+00	-	NA	NA	NA	-	NA	-	NA	-	NA	NA	NA	NA
Transportation-Personnel	1.10	0.4	1.4E+01	0.3	NA	NA	4.6E-04	0.0	1.4E-05	0.0	6.5E-05	0.4	3.1E-05	87.9	2.5E-03	87.9
Transportation-Equipment	0.00	-	0.0E+00	-	NA	NA	0.0E+00	-	0.0E+00	-	0.0E+00	-	0.0E+00	-	0.0E+00	-
Equipment Use and Misc	300.49	99.3	4.4E+03	99.4	6.6E+04	100.0	3.7E+00	100.0	3.2E-02	99.9	1.7E-02	99.5	0.0E+00	-	0.0E+00	-
Residual Handling	0.98	0.3	1.3E+01	0.3	NA	NA	3.1E-04	0.0	5.4E-06	0.0	2.7E-05	0.2	4.3E-06	12.1	3.5E-04	12.1
Total	302.57	100.0	4.42E+03	100.0	6.60E+04	100.0	3.71E+00	100.0	3.19E-02	100.0	1.70E-02	100.0	3.55E-05	100.0	2.86E-03	100.0

Additional Sustainability Metrics

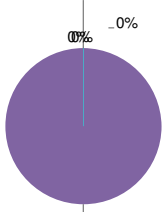
Non-Hazardous Waste Landfill Space (tons)	0.0
Hazardous Waste Landfill Space (tons)	0.0
Topsoil Consumption (yd ³)	0.0
Cost of Phase (\$)	0.0
Lost Hours - Injury	0.0

Footprint Reduction

Total electricity replacement (MWh)	0.00E+00
Total electricity replacement (mmBtu)	0.00E+00
Landfill gas reduction (metric ton CO ₂ e)	0.00E+00
GHG emissions (metric ton CO ₂ e)	0.00E+00
NOx emissions (metric ton)	0.00E+00
SOx emissions (metric ton)	0.00E+00
PM10 emissions (metric ton)	0.00E+00

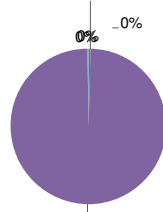


SOx Emissions



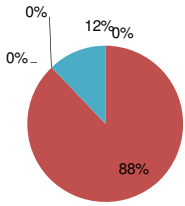
- Consumables
- Transportation-Personnel
- Transportation-Equipment
- Equipment Use and Misc
- Residual Handling

PM10 Emissions



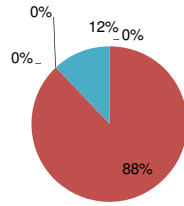
- Consumables
- Transportation-Personnel
- Transportation-Equipment
- Equipment Use and Misc
- Residual Handling

Accident Risk - Fatality



- Consumables
- Transportation-Personnel
- Transportation-Equipment
- Equipment Use and Misc
- Residual Handling

Accident Risk - Injury



- Consumables
- Transportation-Personnel
- Transportation-Equipment
- Equipment Use and Misc
- Residual Handling

Sustainable Remediation Summary - Longterm Monitoring

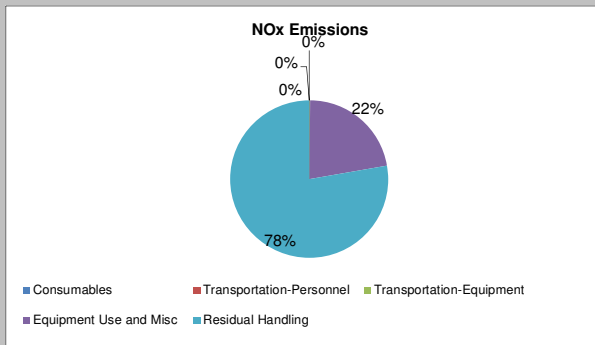
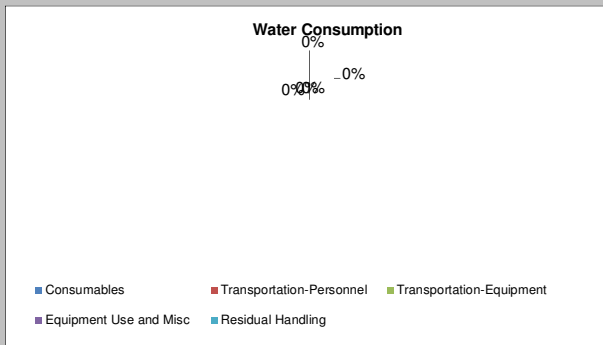
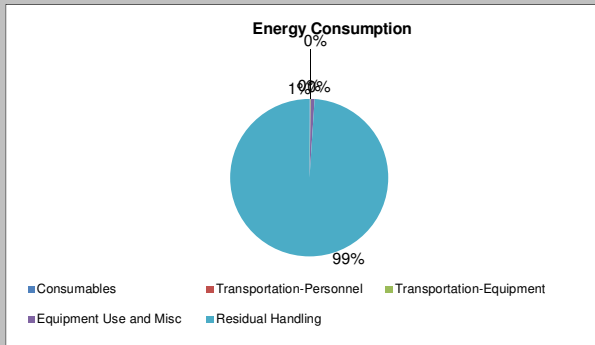
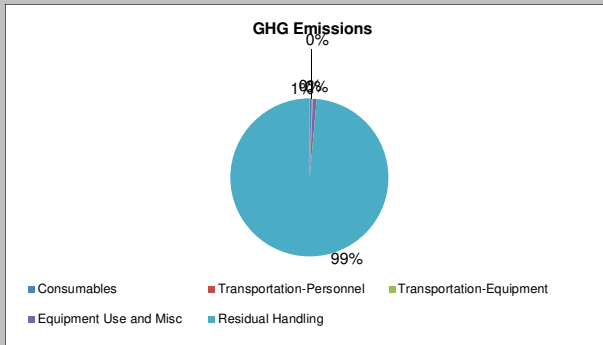
Activities	GHG Emissions	Percent Total	Total Energy Used	Percent Total	Water Consumption	Percent Total	NOx Emissions	Percent Total	SOx Emissions	Percent Total	PM10 Emissions	Percent Total	Accident Risk Fatality	Percent Total	Accident Risk Injury	Percent Total
	metric ton	%	MMBTU	%	gallons	%	metric ton	%	metric ton	%	metric ton	%		%		%
Consumables	1.39	0.5	7.3E+00	0.2	NA	NA	NA	-	NA	-	NA	-	NA	NA	NA	NA
Transportation-Personnel	0.11	0.0	1.4E+00	0.0	NA	NA	4.1E-05	0.0	1.4E-06	0.0	8.3E-06	0.1	3.1E-06	0.3	2.5E-04	0.3
Transportation-Equipment	0.33	0.1	4.3E+00	0.1	NA	NA	1.0E-04	0.1	1.8E-06	0.0	9.1E-06	0.1	1.6E-06	0.1	1.3E-04	0.1
Equipment Use and Misc	2.55	0.9	3.1E+01	0.8	0.0E+00	0.0	2.6E-02	22.2	3.2E-03	66.8	2.4E-03	23.0	2.7E-06	0.2	6.9E-04	0.7
Residual Handling	287.14	98.5	3.7E+03	98.8	NA	NA	9.0E-02	77.7	1.6E-03	33.1	8.0E-03	76.8	1.2E-03	99.4	9.3E-02	98.9
Total	291.52	100.0	3.79E+03	100.0	0.00E+00	0.0	1.16E-01	100.0	4.82E-03	100.0	1.04E-02	100.0	1.16E-03	100.0	9.40E-02	100.0

Additional Sustainability Metrics

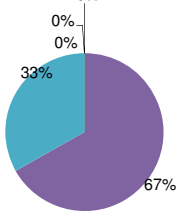
Non-Hazardous Waste Landfill Space (tons)	0.0
Hazardous Waste Landfill Space (tons)	0.0
Topsoil Consumption (yd ³)	0.0
Cost of Phase (\$)	0.0
Lost Hours - Injury	0.8

Footprint Reduction

Total electricity replacement (MWh)	0.00E+00
Total electricity replacement (mmBtu)	0.00E+00
Landfill gas reduction (metric ton CO ₂ e)	0.00E+00
GHG emissions (metric ton CO ₂ e)	0.00E+00
NOx emissions (metric ton)	0.00E+00
SOx emissions (metric ton)	0.00E+00
PM10 emissions (metric ton)	0.00E+00

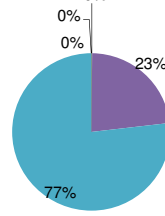


SOx Emissions



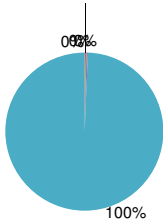
■ Consumables ■ Transportation-Personnel ■ Transportation-Equipment
■ Equipment Use and Misc ■ Residual Handling

PM10 Emissions



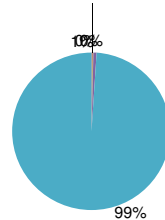
■ Consumables ■ Transportation-Personnel ■ Transportation-Equipment
■ Equipment Use and Misc ■ Residual Handling

Accident Risk - Fatality



■ Consumables ■ Transportation-Personnel ■ Transportation-Equipment
■ Equipment Use and Misc ■ Residual Handling

Accident Risk - Injury



■ Consumables ■ Transportation-Personnel ■ Transportation-Equipment
■ Equipment Use and Misc ■ Residual Handling