

APPENDIX E
REMEDY INVENTORY SHEETS AND FOOTPRINTING SPREADSHEET OUTPUT
BIOREMEDIATION SENSITIVITY ANALYSIS

SPREADSHEET OUTPUT FILES – BIOREMEDIATION SENSITIVITY ANALYSIS

This appendix provides all of the spreadsheet output for the Romic bioremediation sensitivity analysis. The output from the main sheet is provided first, followed by charts illustrating footprints for each of the parameters, followed by the detailed spreadsheet output for each of the remedy alternatives.

Figures C-1 and C-2 (Appendix C) illustrate the organization of the footprint analysis spreadsheets. Each remedy has a footprint analysis spreadsheet that receives the information from the remedy inventory sheets. The information and calculations from all of the footprint analysis spreadsheets are then compiled in a general or main spreadsheet. Each remedy footprint analysis spreadsheet refers to its own footprint conversion spreadsheet so that the footprint conversion factors can be changed by alternative if preferred. For each alternative and each level the on-site, off-site, and on-site + off-site footprints are calculated.

For this analysis the following assignments apply:

- Alternative 3 v1 – Original bioremediation scenario
- Alternative 3 v2 – Use of extracted ground water instead of potable water for injections
- Alternative 3 v3 – Use of emulsified vegetable oil instead of molasses and cheese whey

- Level 1 – Site Investigation
- Level 2 – Excavation (including concrete demolition and replacement capping)
- Level 3 – Construction
- Level 4 – O&M
- Level 5 – LTM
- Level 6 – Decommissioning

The following modifications were made to the remedy inventory sheets are included in Appendix A:

- Alternative 3 v2 – Use of extracted ground water instead of potable water for injections
 - On the “bioremediation O&M tab” the amount of potable water injected was changed from 475 gallons per well to 0 gallons per well
 - On the “bioremediation O&M tab” the amount of groundwater extracted was changed from 0 gallons per well to 475 gallons per well
 - On the “bioremediation O&M tab” the electrical rating of the extraction pump was changed from 0 to 1 kW.
 - On the “bioremediation O&M tab” the extraction pump usage was changed from 0 hours per day to 8 hours per day.

- Alternative 3 v3 – Use of emulsified vegetable oil instead of molasses and cheese whey
 - On the “bioremediation O&M tab” the amount of molasses injected was changed to 0 gallons per well
 - On the “bioremediation O&M tab” the amount of cheese whey injected was changed to 0 gallons per well
 - On the “bioremediation O&M tab” the amount of vegetable oil injected was changed to 65 pounds per well
 - The potable water and ground water extracted values were left unchanged from the original (Alternative 3 v1) case.

Footprint Analysis Spreadsheets - General Output
Romic, East Palo Alto, CA - Bioremediation Sensitivity Analysis

Variables In Alternative:

- Level 1 Site Investigation
- Level 2 Excavation
- Level 3 Construction
- Level 4 O&M
- Level 5 LTM
- Level 6 Decomm.

File Path :

File Name	Baseline	Alternative Name
Green Remediation Tool Alternative 3 v1.xlsx	X	Original
Green Remediation Tool Alternative 3 v2.xlsx		Extracted GW
Green Remediation Tool Alternative 3 v3.xlsx		Emul. Veg. Oil
Green Remediation Tool Alternative 10.xlsx		
Green Remediation Tool Alternative 10.xlsx		
Green Remediation Tool Alternative 10.xlsx		
Green Remediation Tool Alternative 10.xlsx		
Green Remediation Tool Alternative 10.xlsx		
Green Remediation Tool Alternative 10.xlsx		
Green Remediation Tool Alternative 10.xlsx		

Put an "X" in the "Baseline" column next to the alternative that should be considered the baseline when doing a scaled comparisons of the various alternatives

Sheet Name:

	Comparison for Parameters Used, Extracted, Emitted, or Generated On-Site														
	Energy Used	Electricity Used	All Water Used	Potable Water Used	Groundwater Extracted	CO2e Emitted	NO x Emitted	SO x Emitted	PM Emitted	Solid Waste Generated	Haz. Waste Generated	Air Toxics Emitted	Mercury Released	Lead Released	Dioxins Released
	Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Level 1 - Site Investigation															
Original	34,000.	0	0.5	0.5	0	5,600.	42.	1.3	0.84	0	1.3	0.074	0	0	0
Extracted GW	34,000.	0	0.5	0.5	0	5,600.	42.	1.3	0.84	0	1.3	0.074	0	0	0
Emul. Veg. Oil	34,000.	0	0.5	0.5	0	5,600.	42.	1.3	0.84	0	1.3	0.074	0	0	0
Level 2 - Excavation															
Original	85,000.	0	0	0	0	14,000.	100.	3.3	2.1	0	6,100.	0.18	0	0	0
Extracted GW	85,000.	0	0	0	0	14,000.	100.	3.3	2.1	0	6,100.	0.18	0	0	0
Emul. Veg. Oil	85,000.	0	0	0	0	14,000.	100.	3.3	2.1	0	6,100.	0.18	0	0	0
Level 3 - Construction															
Original	1,300,000.	0	36.	8.5	27.	210,000.	1,600.	51.	32.	0	150.	2.8	0	0	0
Extracted GW	1,300,000.	0	36.	8.5	27.	210,000.	1,600.	51.	32.	0	150.	2.8	0	0	0
Emul. Veg. Oil	1,300,000.	0	36.	8.5	27.	210,000.	1,600.	51.	32.	0	150.	2.8	0	0	0
Level 4 - O&M															
Original	46,000.	13.	6,800.	6,800.	0	0	0	0	0	0	0	0	0	0	0
Extracted GW	69,000.	20.	0	0	0	0	0	0	0	0	0	0	0	0	0
Emul. Veg. Oil	11,000.	3.4	1,700.	1,700.	0	0	0	0	0	0	0	0	0	0	0
Level 5 - LTM															
Original	16,000.	0	0	0	0	2,500.	14.	0.57	0.069	0	0	0.038	0	0	0
Extracted GW	16,000.	0	0	0	0	2,500.	14.	0.57	0.069	0	0	0.038	0	0	0
Emul. Veg. Oil	16,000.	0	0	0	0	2,500.	14.	0.57	0.069	0	0	0.038	0	0	0
Level 6 - Decomm.															
Original	3,100.	0	1.9	1.9	0	500.	3.8	0.12	0.076	0	0	0.0067	0	0	0
Extracted GW	3,100.	0	1.9	1.9	0	500.	3.8	0.12	0.076	0	0	0.0067	0	0	0
Emul. Veg. Oil	3,100.	0	1.9	1.9	0	500.	3.8	0.12	0.076	0	0	0.0067	0	0	0
Total (All Levels)															
Original	1,500,000.	13.	6,800.	6,800.	27.	230,000.	1,800.	56.	35.	0	6,300.	3.1	0	0	0
Extracted GW	1,500,000.	20.	38.	11.	27.	230,000.	1,800.	56.	35.	0	6,300.	3.1	0	0	0
Emul. Veg. Oil	1,400,000.	3.4	1,700.	1,700.	27.	230,000.	1,800.	56.	35.	0	6,300.	3.1	0	0	0

	Comparison for Parameters Used, Extracted, Emitted, or Generated Off-Site														
	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
	Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
	Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Level 1 - Site Investigation															
Original	570,000.	30.	35.	0	0	86,000.	310.	190.	8.	0.00019	0	13.	0.000078	0.00093	0.0000000001
Extracted GW	570,000.	30.	35.	0	0	86,000.	310.	190.	8.	0.00019	0	13.	0.000078	0.00093	0.0000000001
Emul. Veg. Oil	570,000.	30.	35.	0	0	86,000.	310.	190.	8.	0.00019	0	13.	0.000078	0.00093	0.0000000001
Level 2 - Excavation															
Original	6,000,000.	96.	1,800.	0	0	1,000,000.	6,100.	1,300.	2,800.	0.064	0	26.	0.011	0.1	0.0000000087
Extracted GW	6,000,000.	96.	1,800.	0	0	1,000,000.	6,100.	1,300.	2,800.	0.064	0	26.	0.011	0.1	0.0000000087
Emul. Veg. Oil	6,000,000.	96.	1,800.	0	0	1,000,000.	6,100.	1,300.	2,800.	0.064	0	26.	0.011	0.1	0.0000000087
Level 3 - Construction															
Original	1,300,000.	26.	150.	0	0	300,000.	880.	460.	92.	2.2	0.015	13.	0.0091	0.055	0.000064
Extracted GW	1,300,000.	26.	150.	0	0	300,000.	880.	460.	92.	2.2	0.015	13.	0.0091	0.055	0.000064
Emul. Veg. Oil	1,300,000.	26.	150.	0	0	300,000.	880.	460.	92.	2.2	0.015	13.	0.0091	0.055	0.000064
Level 4 - O&M															
Original	13,000,000.	48.	550.	0	0	3,500,000.	25,000.	19,000.	620.	0.038	0	19.	0.02	0.071	0.0000000023
Extracted GW	13,000,000.	42.	420.	0	0	3,400,000.	25,000.	19,000.	510.	0.034	0	20.	0.0024	0.071	0.0000000015
Emul. Veg. Oil	1,700,000.	19.	79.	0	0	960,000.	7,100.	7,400.	440.	0.0074	0	2.3	0.0049	0.0093	0.00000000041
Level 5 - LTM															
Original	6,900,000.	390.	440.	0	0	1,000,000.	3,600.	2,300.	93.	1.7	0	160.	0.00074	0.019	0.0000000043
Extracted GW	6,900,000.	390.	440.	0	0	1,000,000.	3,600.	2,300.	93.	1.7	0	160.	0.00074	0.019	0.0000000043
Emul. Veg. Oil	6,900,000.	390.	440.	0	0	1,000,000.	3,600.	2,300.	93.	1.7	0	160.	0.00074	0.019	0.0000000043
Level 6 - Decomm.															
Original	100,000.	2.1	6.3	0	0	33,000.	89.	38.	0.47	0.00013	0	0.99	0.00087	0.0026	0.0000000012
Extracted GW	100,000.	2.1	6.3	0	0	33,000.	89.	38.	0.47	0.00013	0	0.99	0.00087	0.0026	0.0000000012
Emul. Veg. Oil	100,000.	2.1	6.3	0	0	33,000.	89.	38.	0.47	0.00013	0	0.99	0.00087	0.0026	0.0000000012
Total (All Levels)															
Original	28,000,000.	590.	3,000.	0	0	5,900,000.	36,000.	23,000.	3,600.	4.	0.015	230.	0.042	0.25	0.000064
Extracted GW	28,000,000.	590.	2,900.	0	0	5,800,000.	36,000.	23,000.	3,500.	4.	0.015	230.	0.024	0.25	0.000064
Emul. Veg. Oil	17,000,000.	560.	2,500.	0	0	3,400,000.	18,000.	12,000.	3,400.	4.	0.015	220.	0.027	0.19	0.000064

	Comparison for Total Parameters Used, Extracted, Emitted, or Generated On-Site and Off-Site														
	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
	Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
	Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Level 1 - Site Investigation															
Original	610,000.	30.	35.	0.5	0	91,000.	350.	190.	8.9	0.00019	1.3	13.	0.000078	0.00093	0.000000001
Extracted GW	610,000.	30.	35.	0.5	0	91,000.	350.	190.	8.9	0.00019	1.3	13.	0.000078	0.00093	0.000000001
Emul. Veg. Oil	610,000.	30.	35.	0.5	0	91,000.	350.	190.	8.9	0.00019	1.3	13.	0.000078	0.00093	0.000000001
Level 2 - Excavation															
Original	6,100,000.	96.	1,800.	0	0	1,000,000.	6,200.	1,300.	2,800.	0.064	6,100.	26.	0.011	0.1	0.000000087
Extracted GW	6,100,000.	96.	1,800.	0	0	1,000,000.	6,200.	1,300.	2,800.	0.064	6,100.	26.	0.011	0.1	0.000000087
Emul. Veg. Oil	6,100,000.	96.	1,800.	0	0	1,000,000.	6,200.	1,300.	2,800.	0.064	6,100.	26.	0.011	0.1	0.000000087
Level 3 - Construction															
Original	2,600,000.	26.	180.	8.5	27.	510,000.	2,500.	510.	120.	2.2	150.	15.	0.0091	0.055	0.000064
Extracted GW	2,600,000.	26.	180.	8.5	27.	510,000.	2,500.	510.	120.	2.2	150.	15.	0.0091	0.055	0.000064
Emul. Veg. Oil	2,600,000.	26.	180.	8.5	27.	510,000.	2,500.	510.	120.	2.2	150.	15.	0.0091	0.055	0.000064
Level 4 - O&M															
Original	13,000,000.	61.	7,300.	6,800.	0	3,500,000.	25,000.	19,000.	620.	0.038	0	19.	0.02	0.071	0.000000023
Extracted GW	13,000,000.	62.	420.	0	0	3,400,000.	25,000.	19,000.	510.	0.034	0	20.	0.0024	0.071	0.000000015
Emul. Veg. Oil	1,700,000.	22.	1,800.	1,700.	0	960,000.	7,100.	7,400.	440.	0.0074	0	2.3	0.0049	0.0093	0.0000000041
Level 5 - LTM															
Original	7,000,000.	390.	440.	0	0	1,000,000.	3,600.	2,300.	93.	1.7	0	160.	0.00074	0.019	0.000000043
Extracted GW	7,000,000.	390.	440.	0	0	1,000,000.	3,600.	2,300.	93.	1.7	0	160.	0.00074	0.019	0.000000043
Emul. Veg. Oil	7,000,000.	390.	440.	0	0	1,000,000.	3,600.	2,300.	93.	1.7	0	160.	0.00074	0.019	0.000000043
Level 6 - Decomm.															
Original	110,000.	2.1	8.2	1.9	0	33,000.	93.	39.	0.54	0.00013	0	1.	0.00087	0.0026	0.000000012
Extracted GW	110,000.	2.1	8.2	1.9	0	33,000.	93.	39.	0.54	0.00013	0	1.	0.00087	0.0026	0.000000012
Emul. Veg. Oil	110,000.	2.1	8.2	1.9	0	33,000.	93.	39.	0.54	0.00013	0	1.	0.00087	0.0026	0.000000012
Total (All Levels)															
Original	29,000,000.	610.	9,800.	6,800.	27.	6,100,000.	38,000.	23,000.	3,600.	4.	6,300.	230.	0.042	0.25	0.000064
Extracted GW	29,000,000.	610.	2,900.	11.	27.	6,000,000.	38,000.	23,000.	3,500.	4.	6,300.	240.	0.024	0.25	0.000064
Emul. Veg. Oil	18,000,000.	570.	4,300.	1,700.	27.	3,600,000.	20,000.	12,000.	3,500.	4.	6,300.	220.	0.027	0.19	0.000064

Baseline Alternative: Original	Scaled Comparison for Parameters Used, Extracted, Emitted, or Generated On-Site															
	Energy Used	Electricity Used	All Water Used	Potable Water Used	Groundwater Extracted	CO2e Emitted	NO x Emitted	SO x Emitted	PM Emitted	Solid Waste Generated	Haz. Waste Generated	Air Toxics Emitted	Mercury Released	Lead Released	Dioxins Released	
	Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs	
Site Investigation																
Original	100%	0%	100%	100%	0%	100%	100%	100%	100%	0%	100%	100%	0%	0%	0%	
Extracted GW	100%	0%	100%	100%	0%	100%	100%	100%	100%	0%	100%	100%	0%	0%	0%	
Emul. Veg. Oil	100%	0%	100%	100%	0%	100%	100%	100%	100%	0%	100%	100%	0%	0%	0%	
Excavation																
Original	100%	0%	0%	0%	0%	100%	100%	100%	100%	0%	100%	100%	0%	0%	0%	
Extracted GW	100%	0%	0%	0%	0%	100%	100%	100%	100%	0%	100%	100%	0%	0%	0%	
Emul. Veg. Oil	100%	0%	0%	0%	0%	100%	100%	100%	100%	0%	100%	100%	0%	0%	0%	
Construction																
Original	100%	0%	100%	100%	100%	100%	100%	100%	100%	0%	100%	100%	0%	0%	0%	
Extracted GW	100%	0%	100%	100%	100%	100%	100%	100%	100%	0%	100%	100%	0%	0%	0%	
Emul. Veg. Oil	100%	0%	100%	100%	100%	100%	100%	100%	100%	0%	100%	100%	0%	0%	0%	
O&M																
Original	100%	100%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Extracted GW	150%	154%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Emul. Veg. Oil	24%	26%	25%	25%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
LTM																
Original	100%	0%	0%	0%	0%	100%	100%	100%	100%	0%	0%	100%	0%	0%	0%	
Extracted GW	100%	0%	0%	0%	0%	100%	100%	100%	100%	0%	0%	100%	0%	0%	0%	
Emul. Veg. Oil	100%	0%	0%	0%	0%	100%	100%	100%	100%	0%	0%	100%	0%	0%	0%	
Decomm.																
Original	100%	0%	100%	100%	0%	100%	100%	100%	100%	0%	0%	100%	0%	0%	0%	
Extracted GW	100%	0%	100%	100%	0%	100%	100%	100%	100%	0%	0%	100%	0%	0%	0%	
Emul. Veg. Oil	100%	0%	100%	100%	0%	100%	100%	100%	100%	0%	0%	100%	0%	0%	0%	
Total (All Levels)																
Original	100%	100%	100%	100%	100%	100%	100%	100%	100%	0%	100%	100%	0%	0%	0%	
Extracted GW	100%	154%	1%	0%	100%	100%	100%	100%	100%	0%	100%	100%	0%	0%	0%	
Emul. Veg. Oil	93%	26%	25%	25%	100%	100%	100%	100%	100%	0%	100%	100%	0%	0%	0%	

Note: Values indicate a normalized scale to compare alternatives. For each parameter the footprint for each alternative is divided by the footprint of the first alternative.

Baseline Alternative: Original	Scaled Comparison for Parameters Used, Extracted, Emitted, or Generated Off-Site														
	Energy Used	Electricity Used	All Water Used	Potable Water Used	Groundwater Extracted	CO2e Emitted	NO x Emitted	SO x Emitted	PM Emitted	Solid Waste Generated	Haz. Waste Generated	Air Toxics Emitted	Mercury Released	Lead Released	Dioxins Released
	Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Site Investigation															
Original	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	0%	100%	100%	100%	100%
Extracted GW	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	0%	100%	100%	100%	100%
Emul. Veg. Oil	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	0%	100%	100%	100%	100%
Excavation															
Original	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	0%	100%	100%	100%	100%
Extracted GW	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	0%	100%	100%	100%	100%
Emul. Veg. Oil	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	0%	100%	100%	100%	100%
Construction															
Original	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Extracted GW	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Emul. Veg. Oil	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
O&M															
Original	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	0%	100%	100%	100%	100%
Extracted GW	100%	88%	76%	0%	0%	97%	100%	100%	82%	89%	0%	105%	12%	100%	65%
Emul. Veg. Oil	13%	40%	14%	0%	0%	27%	28%	39%	71%	19%	0%	12%	25%	13%	18%
LTM															
Original	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	0%	100%	100%	100%	100%
Extracted GW	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	0%	100%	100%	100%	100%
Emul. Veg. Oil	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	0%	100%	100%	100%	100%
Decomm.															
Original	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	0%	100%	100%	100%	100%
Extracted GW	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	0%	100%	100%	100%	100%
Emul. Veg. Oil	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	0%	100%	100%	100%	100%
Total (All Levels)															
Original	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Extracted GW	100%	100%	97%	0%	0%	98%	100%	100%	97%	100%	100%	100%	57%	100%	100%
Emul. Veg. Oil	61%	95%	83%	0%	0%	58%	50%	52%	94%	100%	100%	96%	64%	76%	100%

Note: Values indicate a normalized scale to compare alternatives. For each parameter the footprint for each alternative is divided by the footprint of the first alternative.

Baseline Alternative: Original	Scaled Comparison for Total Parameters Used, Extracted, Emitted, or Generated On-Site and Off-Site															
	Energy Used	Electricity Used	All Water Used	Potable Water Used	Groundwater Extracted	CO2e Emitted	NO x Emitted	SO x Emitted	PM Emitted	Solid Waste Generated	Haz. Waste Generated	Air Toxics Emitted	Mercury Released	Lead Released	Dioxins Released	
	Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs	
Site Investigation																
Original	100%	100%	100%	100%	0%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Extracted GW	100%	100%	100%	100%	0%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Emul. Veg. Oil	100%	100%	100%	100%	0%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Excavation																
Original	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Extracted GW	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Emul. Veg. Oil	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Construction																
Original	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Extracted GW	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Emul. Veg. Oil	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
O&M																
Original	100%	100%	100%	100%	0%	100%	100%	100%	100%	100%	0%	100%	100%	100%	100%	100%
Extracted GW	100%	102%	6%	0%	0%	97%	100%	100%	82%	89%	0%	105%	12%	100%	65%	
Emul. Veg. Oil	13%	36%	25%	25%	0%	27%	28%	39%	71%	19%	0%	12%	25%	13%	18%	
LTM																
Original	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	0%	100%	100%	100%	100%	100%
Extracted GW	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	0%	100%	100%	100%	100%	100%
Emul. Veg. Oil	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	0%	100%	100%	100%	100%	100%
Decomm.																
Original	100%	100%	100%	100%	0%	100%	100%	100%	100%	100%	0%	100%	100%	100%	100%	100%
Extracted GW	100%	100%	100%	100%	0%	100%	100%	100%	100%	100%	0%	100%	100%	100%	100%	100%
Emul. Veg. Oil	100%	100%	100%	100%	0%	100%	100%	100%	100%	100%	0%	100%	100%	100%	100%	100%
Total (All Levels)																
Original	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Extracted GW	100%	100%	30%	0%	100%	98%	100%	100%	97%	100%	100%	104%	57%	100%	100%	100%
Emul. Veg. Oil	62%	93%	44%	25%	100%	59%	53%	52%	97%	100%	100%	96%	64%	76%	100%	100%

Note: Values indicate a normalized scale to compare alternatives. For each parameter the footprint for each alternative is divided by the footprint of the first alternative.

	Major Contributors for Parameters Used, Extracted, Emitted, or Generated On-Site															
	Energy Used	Electricity Used	All Water Used	Potable Water Used	Groundwater Extracted	CO2e Emitted	NO x Emitted	SO x Emitted	PM Emitted	Solid Waste Generated	Haz. Waste Generated	Air Toxics Emitted	Mercury Released	Lead Released	Dioxins Released	
	Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs	
Site Investigation																
Original	Diesel-On (100%)		PW Used (100%)	PW Used (100%)		Diesel-On (100%)	Diesel-On (100%)	Diesel-On (100%)	Diesel-On (100%)		HW-Gen (100%)	Diesel-On (100%)				
Extracted GW	Diesel-On (100%)		PW Used (100%)	PW Used (100%)		Diesel-On (100%)	Diesel-On (100%)	Diesel-On (100%)	Diesel-On (100%)		HW-Gen (100%)	Diesel-On (100%)				
Emul. Veg. Oil	Diesel-On (100%)		PW Used (100%)	PW Used (100%)		Diesel-On (100%)	Diesel-On (100%)	Diesel-On (100%)	Diesel-On (100%)		HW-Gen (100%)	Diesel-On (100%)				
Excavation																
Original	Diesel-On (100%)					Diesel-On (100%)	Diesel-On (100%)	Diesel-On (100%)	Diesel-On (100%)		HW-Gen (100%)	Diesel-On (100%)				
Extracted GW	Diesel-On (100%)					Diesel-On (100%)	Diesel-On (100%)	Diesel-On (100%)	Diesel-On (100%)		HW-Gen (100%)	Diesel-On (100%)				
Emul. Veg. Oil	Diesel-On (100%)					Diesel-On (100%)	Diesel-On (100%)	Diesel-On (100%)	Diesel-On (100%)		HW-Gen (100%)	Diesel-On (100%)				
Construction																
Original	Diesel-On (100%)		GW Ext (75%)	PW Used (100%)	GW Ext (100%)	Diesel-On (100%)	Diesel-On (100%)	Diesel-On (100%)	Diesel-On (100%)		HW-Gen (100%)	Diesel-On (100%)				
Extracted GW	Diesel-On (100%)		GW Ext (75%)	PW Used (100%)	GW Ext (100%)	Diesel-On (100%)	Diesel-On (100%)	Diesel-On (100%)	Diesel-On (100%)		HW-Gen (100%)	Diesel-On (100%)				
Emul. Veg. Oil	Diesel-On (100%)		GW Ext (75%)	PW Used (100%)	GW Ext (100%)	Diesel-On (100%)	Diesel-On (100%)	Diesel-On (100%)	Diesel-On (100%)		HW-Gen (100%)	Diesel-On (100%)				
O&M																
Original	Elec. Use (100%)	Elec. Use (100%)	PW Used (100%)	PW Used (100%)												
Extracted GW	Elec. Use (100%)	Elec. Use (100%)														
Emul. Veg. Oil	Elec. Use (100%)	Elec. Use (100%)	PW Used (100%)	PW Used (100%)												
LTM																
Original	Gas-On (100%)					Gas-On (100%)	Gas-On (100%)	Gas-On (100%)	Gas-On (100%)			Gas-On (100%)				
Extracted GW	Gas-On (100%)					Gas-On (100%)	Gas-On (100%)	Gas-On (100%)	Gas-On (100%)			Gas-On (100%)				
Emul. Veg. Oil	Gas-On (100%)					Gas-On (100%)	Gas-On (100%)	Gas-On (100%)	Gas-On (100%)			Gas-On (100%)				
Decomm.																
Original	Diesel-On (100%)		PW Used (100%)	PW Used (100%)		Diesel-On (100%)	Diesel-On (100%)	Diesel-On (100%)	Diesel-On (100%)			Diesel-On (100%)				
Extracted GW	Diesel-On (100%)		PW Used (100%)	PW Used (100%)		Diesel-On (100%)	Diesel-On (100%)	Diesel-On (100%)	Diesel-On (100%)			Diesel-On (100%)				
Emul. Veg. Oil	Diesel-On (100%)		PW Used (100%)	PW Used (100%)		Diesel-On (100%)	Diesel-On (100%)	Diesel-On (100%)	Diesel-On (100%)			Diesel-On (100%)				
Total (All Levels)																
Original	3 - Diesel-On (87%)	4 - Elec. Use (100%)	4 - PW Used (100%)	4 - PW Used (100%)	3 - GW Ext (100%)	3 - Diesel-On (91%)	3 - Diesel-On (89%)	3 - Diesel-On (91%)	3 - Diesel-On (91%)		2 - HW-Gen (97%)	3 - Diesel-On (90%)				
Extracted GW	3 - Diesel-On (87%)	4 - Elec. Use (100%)	3 - GW Ext (71%)	3 - PW Used (77%)	3 - GW Ext (100%)	3 - Diesel-On (91%)	3 - Diesel-On (89%)	3 - Diesel-On (91%)	3 - Diesel-On (91%)		2 - HW-Gen (97%)	3 - Diesel-On (90%)				
Emul. Veg. Oil	3 - Diesel-On (93%)	4 - Elec. Use (100%)	4 - PW Used (100%)	4 - PW Used (100%)	3 - GW Ext (100%)	3 - Diesel-On (91%)	3 - Diesel-On (89%)	3 - Diesel-On (91%)	3 - Diesel-On (91%)		2 - HW-Gen (97%)	3 - Diesel-On (90%)				

Note: The primary contributor to the footprint for a particular alternative and level is indicated by an abbreviation in addition to the percentage of the overall footprint that results from this primary contributor. For the total, the number preceding the abbreviation represents the level associated with the contributor (e.g., "1 - Elec. Use (86%)" in the "energy use" column indicates that electricity use in level 1 accounts for 86% of the overall energy used on-site. A key for the abbreviations is included on the "input" sheet for each of the alternatives (see following pages).

	Major Contributors for Parameters Used, Extracted, Emitted, or Generated Off-Site														
	Energy Used	Electricity Used	All Water Used	Potable Water Used	Groundwater Extracted	CO2e Emitted	NO x Emitted	SO x Emitted	PM Emitted	Solid Waste Generated	Haz. Waste Generated	Air Toxics Emitted	Mercury Released	Lead Released	Dioxins Released
	Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Site Investigation															
Original	Lab (93%)	Lab (100%)	Lab (97%)			Lab (91%)	Lab (87%)	Lab (95%)	Lab (86%)	Diesel-Pro (63%)		Lab (100%)	Cement (62%)	Diesel-Pro (53%)	Cement (72%)
Extracted GW	Lab (93%)	Lab (100%)	Lab (97%)			Lab (91%)	Lab (87%)	Lab (95%)	Lab (86%)	Diesel-Pro (63%)		Lab (100%)	Cement (62%)	Diesel-Pro (53%)	Cement (72%)
Emul. Veg. Oil	Lab (93%)	Lab (100%)	Lab (97%)			Lab (91%)	Lab (87%)	Lab (95%)	Lab (86%)	Diesel-Pro (63%)		Lab (100%)	Cement (62%)	Diesel-Pro (53%)	Cement (72%)
Excavation															
Original	Diesel-Off (62%)	HW-Disp (54%)	HW-Disp (56%)			Diesel-Off (59%)	Diesel-Off (74%)	HW-Disp (39%)	HW-Disp (96%)	HW-Disp (84%)		HW-Disp (37%)	HW-Disp (60%)	HW-Disp (51%)	HW-Disp (93%)
Extracted GW	Diesel-Off (62%)	HW-Disp (54%)	HW-Disp (56%)			Diesel-Off (59%)	Diesel-Off (74%)	HW-Disp (39%)	HW-Disp (96%)	HW-Disp (84%)		HW-Disp (37%)	HW-Disp (60%)	HW-Disp (51%)	HW-Disp (93%)
Emul. Veg. Oil	Diesel-Off (62%)	HW-Disp (54%)	HW-Disp (56%)			Diesel-Off (59%)	Diesel-Off (74%)	HW-Disp (39%)	HW-Disp (96%)	HW-Disp (84%)		HW-Disp (37%)	HW-Disp (60%)	HW-Disp (51%)	HW-Disp (93%)
Construction															
Original	Gas-Off (24%)	Cement (33%)	PVC (43%)			Cement (40%)	Gas-Off (32%)	Cement (30%)	HW-Disp (72%)	Steel (100%)	PVC (100%)	PVC (34%)	Cement (42%)	Steel (40%)	PVC (100%)
Extracted GW	Gas-Off (24%)	Cement (33%)	PVC (43%)			Cement (40%)	Gas-Off (32%)	Cement (30%)	HW-Disp (72%)	Steel (100%)	PVC (100%)	PVC (34%)	Cement (42%)	Steel (40%)	PVC (100%)
Emul. Veg. Oil	Gas-Off (24%)	Cement (33%)	PVC (43%)			Cement (40%)	Gas-Off (32%)	Cement (30%)	HW-Disp (72%)	Steel (100%)	PVC (100%)	PVC (34%)	Cement (42%)	Steel (40%)	PVC (100%)
O&M															
Original	Diesel-Off (38%)	Diesel-Pro (44%)	Bio#1 (44%)			Bio#2 (37%)	Bio#2 (40%)	Bio#2 (63%)	Bio#2 (32%)	Diesel-Pro (34%)		Diesel-Off (58%)	PW Trans. (90%)	Diesel-Pro (76%)	Diesel-Pro (48%)
Extracted GW	Diesel-Off (38%)	Diesel-Pro (50%)	Bio#1 (57%)			Bio#2 (38%)	Bio#2 (40%)	Bio#2 (63%)	Bio#2 (39%)	Elec. Prod (53%)		Diesel-Off (55%)	Diesel-Pro (71%)	Diesel-Pro (76%)	Diesel-Pro (73%)
Emul. Veg. Oil	Bio#3 (49%)	Bio#3 (68%)	PW Pro. (46%)			Bio#3 (85%)	Bio#3 (87%)	Bio#3 (99%)	Bio#3 (91%)	Elec. Prod (41%)		Diesel-Off (43%)	PW Trans. (94%)	Diesel-Pro (53%)	PW Pro. (41%)
LTM															
Original	Lab (99%)	Lab (100%)	Lab (98%)			Lab (100%)	Lab (97%)	Lab (100%)	Lab (95%)	Steel (100%)		Lab (100%)	Steel (89%)	Steel (89%)	Steel (100%)
Extracted GW	Lab (99%)	Lab (100%)	Lab (98%)			Lab (100%)	Lab (97%)	Lab (100%)	Lab (95%)	Steel (100%)		Lab (100%)	Steel (89%)	Steel (89%)	Steel (100%)
Emul. Veg. Oil	Lab (99%)	Lab (100%)	Lab (98%)			Lab (100%)	Lab (97%)	Lab (100%)	Lab (95%)	Steel (100%)		Lab (100%)	Steel (89%)	Steel (89%)	Steel (100%)
Decomm.															
Original	Cement (60%)	Cement (90%)	Cement (95%)			Cement (79%)	Cement (60%)	Cement (82%)	Gas-Off (34%)	Gas-Pro (92%)		Cement (86%)	Cement (97%)	Cement (73%)	Cement (100%)
Extracted GW	Cement (60%)	Cement (90%)	Cement (95%)			Cement (79%)	Cement (60%)	Cement (82%)	Gas-Off (34%)	Gas-Pro (92%)		Cement (86%)	Cement (97%)	Cement (73%)	Cement (100%)
Emul. Veg. Oil	Cement (60%)	Cement (90%)	Cement (95%)			Cement (79%)	Cement (60%)	Cement (82%)	Gas-Off (34%)	Gas-Pro (92%)		Cement (86%)	Cement (97%)	Cement (73%)	Cement (100%)
Total (All Levels)															
Original	5 - Lab (24%)	5 - Lab (66%)	2 - HW-Disp (33%)			4 - Bio#2 (22%)	4 - Bio#2 (28%)	4 - Bio#2 (52%)	2 - HW-Disp (75%)	3 - Steel (55%)	3 - PVC (100%)	5 - Lab (70%)	4 - PW Trans. (43%)	4 - Diesel-Pro (22%)	3 - PVC (100%)
Extracted GW	5 - Lab (24%)	5 - Lab (66%)	2 - HW-Disp (34%)			4 - Bio#2 (22%)	4 - Bio#2 (28%)	4 - Bio#2 (52%)	2 - HW-Disp (77%)	3 - Steel (55%)	3 - PVC (100%)	5 - Lab (70%)	2 - HW-Disp (28%)	4 - Diesel-Pro (22%)	3 - PVC (100%)
Emul. Veg. Oil	5 - Lab (40%)	5 - Lab (70%)	2 - HW-Disp (40%)			5 - Lab (29%)	4 - Bio#3 (34%)	4 - Bio#3 (61%)	2 - HW-Disp (79%)	3 - Steel (55%)	3 - PVC (100%)	5 - Lab (73%)	2 - HW-Disp (24%)	2 - HW-Disp (27%)	3 - PVC (100%)

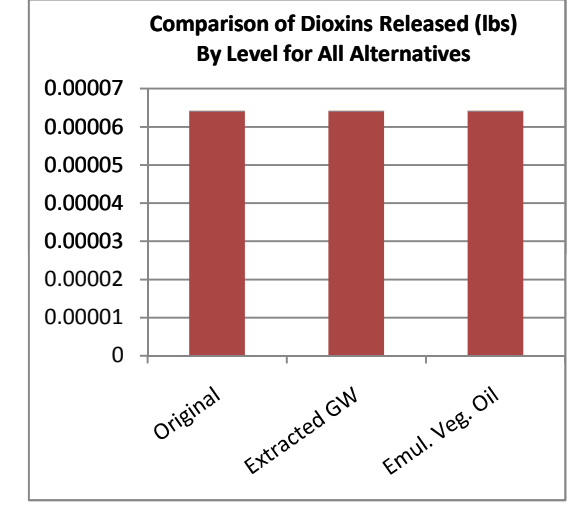
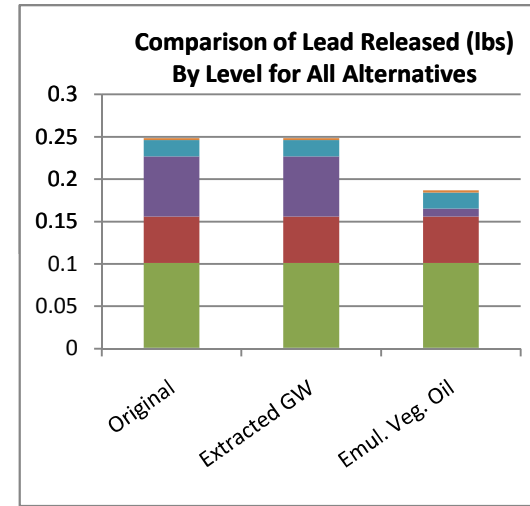
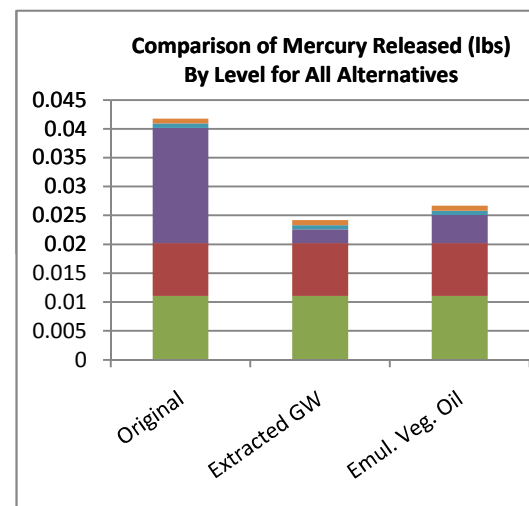
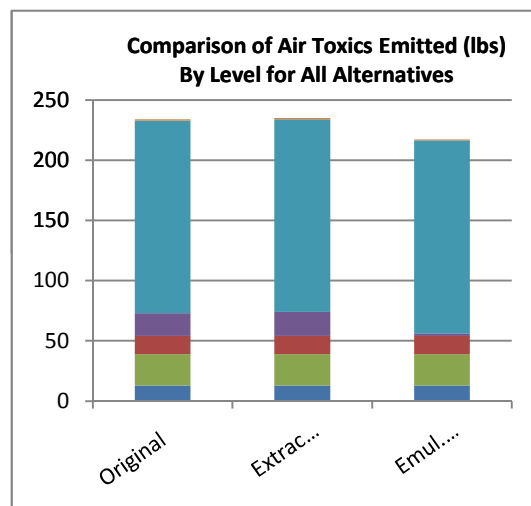
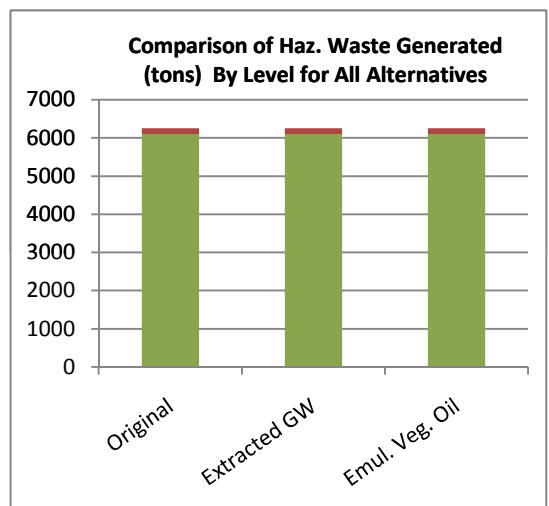
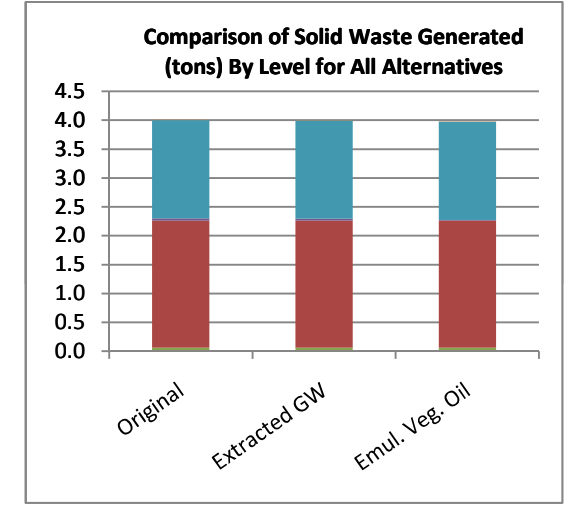
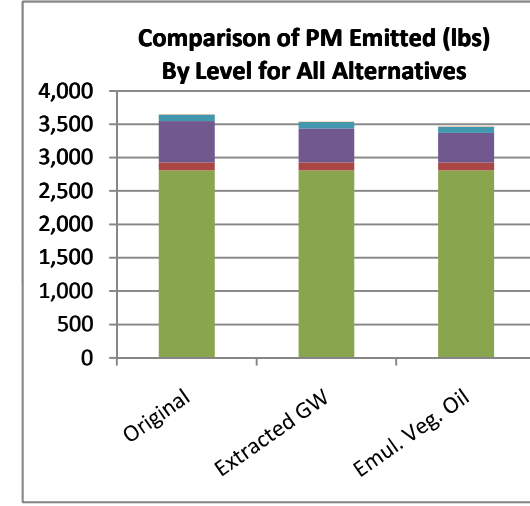
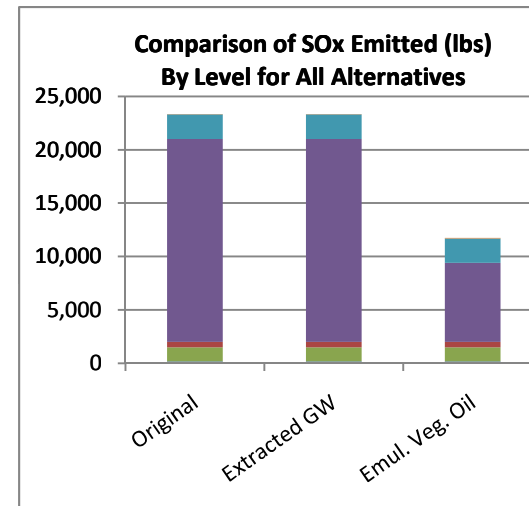
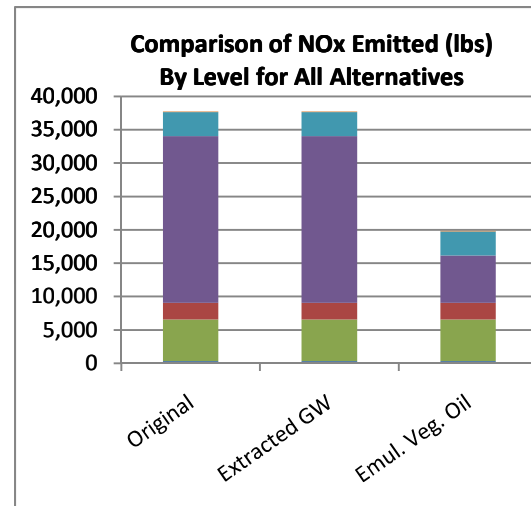
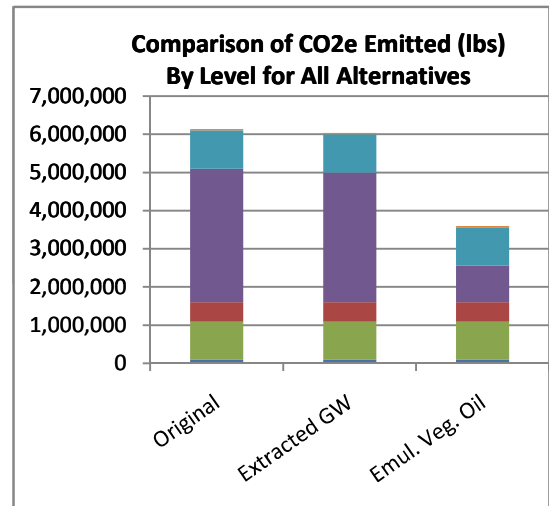
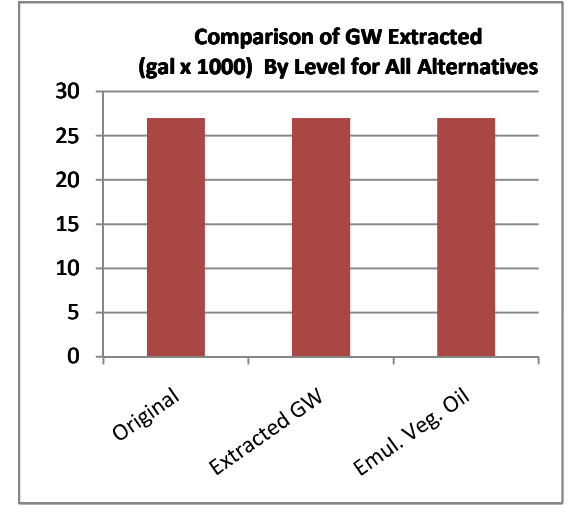
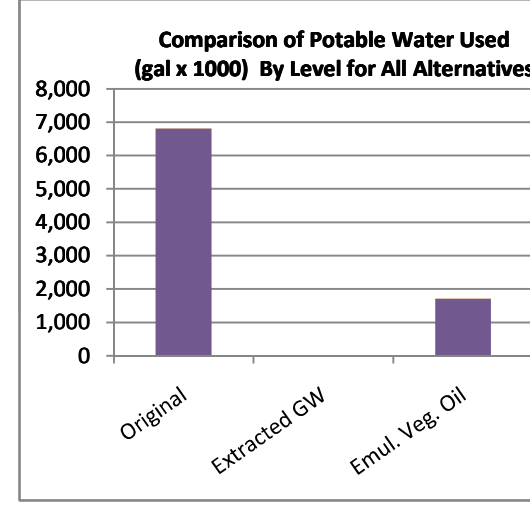
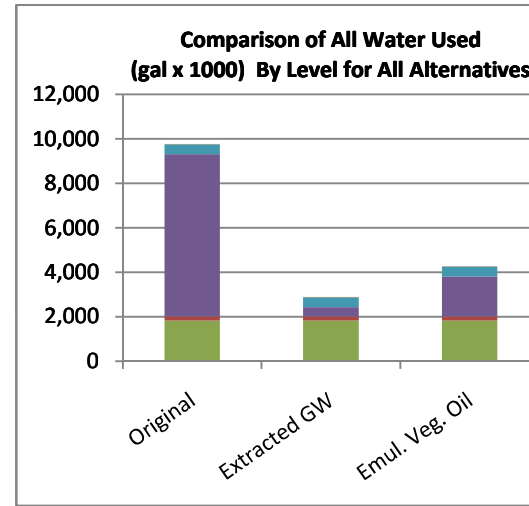
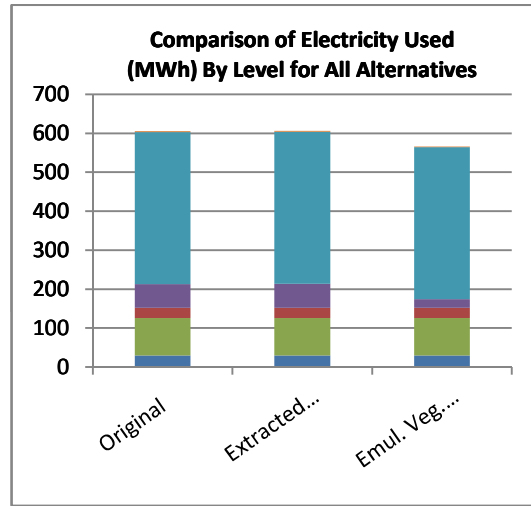
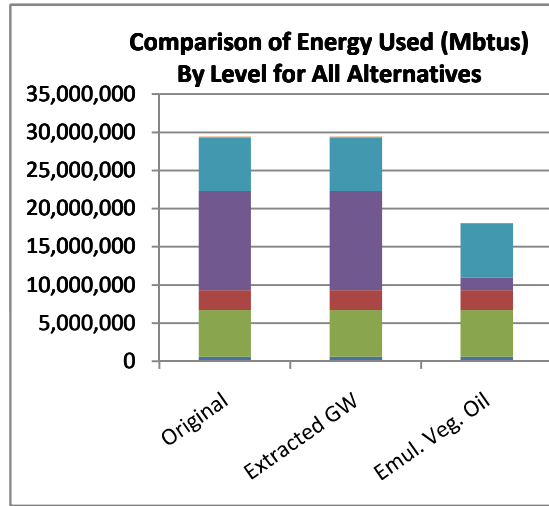
Note: The primary contributor to the footprint for a particular alternative and level is indicated by an abbreviation in addition to the percentage of the overall footprint that results from this primary contributor. For the total, the number preceding the abbreviation represents the level associated with the contributor (e.g., "1 - Elec. Use (86%)" in the "energy use" column indicates that electricity use in level 1 accounts for 86% of the overall energy used on-site. A key for the abbreviations is included on the "input" sheet for each of the alternatives (see following pages).

	Comparison for Total Parameters Used, Extracted, Emitted, or Generated On-Site and Off-Site														
	Energy Used	Electricity Used	All Water Used	Potable Water Used	Groundwater Extracted	CO2e Emitted	NO x Emitted	SO x Emitted	PM Emitted	Solid Waste Generated	Haz. Waste Generated	Air Toxics Emitted	Mercury Released	Lead Released	Dioxins Released
	Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Site Investigation															
Original	Lab (87%)	Lab (100%)	Lab (97%)	PW Used (100%)		Lab (86%)	Lab (77%)	Lab (95%)	Lab (78%)	Diesel-Pro (63%)	HW-Gen (100%)	Lab (100%)	Cement (62%)	Diesel-Pro (53%)	Cement (72%)
Extracted GW	Lab (87%)	Lab (100%)	Lab (97%)	PW Used (100%)		Lab (86%)	Lab (77%)	Lab (95%)	Lab (78%)	Diesel-Pro (63%)	HW-Gen (100%)	Lab (100%)	Cement (62%)	Diesel-Pro (53%)	Cement (72%)
Emul. Veg. Oil	Lab (87%)	Lab (100%)	Lab (97%)	PW Used (100%)		Lab (86%)	Lab (77%)	Lab (95%)	Lab (78%)	Diesel-Pro (63%)	HW-Gen (100%)	Lab (100%)	Cement (62%)	Diesel-Pro (53%)	Cement (72%)
Excavation															
Original	Diesel-Off (61%)	HW-Disp (54%)	HW-Disp (56%)			Diesel-Off (59%)	Diesel-Off (73%)	HW-Disp (39%)	HW-Disp (96%)	HW-Disp (84%)	HW-Gen (100%)	HW-Disp (37%)	HW-Disp (60%)	HW-Disp (51%)	HW-Disp (93%)
Extracted GW	Diesel-Off (61%)	HW-Disp (54%)	HW-Disp (56%)			Diesel-Off (59%)	Diesel-Off (73%)	HW-Disp (39%)	HW-Disp (96%)	HW-Disp (84%)	HW-Gen (100%)	HW-Disp (37%)	HW-Disp (60%)	HW-Disp (51%)	HW-Disp (93%)
Emul. Veg. Oil	Diesel-Off (61%)	HW-Disp (54%)	HW-Disp (56%)			Diesel-Off (59%)	Diesel-Off (73%)	HW-Disp (39%)	HW-Disp (96%)	HW-Disp (84%)	HW-Gen (100%)	HW-Disp (37%)	HW-Disp (60%)	HW-Disp (51%)	HW-Disp (93%)
Construction															
Original	Diesel-On (50%)	Cement (33%)	PVC (36%)	PW Used (100%)	GW Ext (100%)	Diesel-On (41%)	Diesel-On (64%)	Cement (27%)	HW-Disp (55%)	Steel (100%)	HW-Gen (100%)	PVC (29%)	Cement (42%)	Steel (40%)	PVC (100%)
Extracted GW	Diesel-On (50%)	Cement (33%)	PVC (36%)	PW Used (100%)	GW Ext (100%)	Diesel-On (41%)	Diesel-On (64%)	Cement (27%)	HW-Disp (55%)	Steel (100%)	HW-Gen (100%)	PVC (29%)	Cement (42%)	Steel (40%)	PVC (100%)
Emul. Veg. Oil	Diesel-On (50%)	Cement (33%)	PVC (36%)	PW Used (100%)	GW Ext (100%)	Diesel-On (41%)	Diesel-On (64%)	Cement (27%)	HW-Disp (55%)	Steel (100%)	HW-Gen (100%)	PVC (29%)	Cement (42%)	Steel (40%)	PVC (100%)
O&M															
Original	Diesel-Off (38%)	Diesel-Pro (34%)	PW Used (93%)	PW Used (100%)		Bio#2 (37%)	Bio#2 (40%)	Bio#2 (63%)	Bio#2 (32%)	Diesel-Pro (34%)		Diesel-Off (58%)	PW Trans. (90%)	Diesel-Pro (76%)	Diesel-Pro (48%)
Extracted GW	Diesel-Off (38%)	Diesel-Pro (34%)	Bio#1 (57%)			Bio#2 (38%)	Bio#2 (40%)	Bio#2 (63%)	Bio#2 (39%)	Elec. Prod (53%)		Diesel-Off (55%)	Diesel-Pro (71%)	Diesel-Pro (76%)	Diesel-Pro (73%)
Emul. Veg. Oil	Bio#3 (49%)	Bio#3 (59%)	PW Used (94%)	PW Used (100%)		Bio#3 (85%)	Bio#3 (87%)	Bio#3 (99%)	Bio#3 (91%)	Elec. Prod (41%)		Diesel-Off (43%)	PW Trans. (94%)	Diesel-Pro (53%)	PW Pro. (41%)
LTM															
Original	Lab (97%)	Lab (100%)	Lab (98%)			Lab (100%)	Lab (97%)	Lab (100%)	Lab (95%)	Steel (100%)		Lab (100%)	Steel (89%)	Steel (89%)	Steel (100%)
Extracted GW	Lab (97%)	Lab (100%)	Lab (98%)			Lab (100%)	Lab (97%)	Lab (100%)	Lab (95%)	Steel (100%)		Lab (100%)	Steel (89%)	Steel (89%)	Steel (100%)
Emul. Veg. Oil	Lab (97%)	Lab (100%)	Lab (98%)			Lab (100%)	Lab (97%)	Lab (100%)	Lab (95%)	Steel (100%)		Lab (100%)	Steel (89%)	Steel (89%)	Steel (100%)
Decomm.															
Original	Cement (55%)	Cement (90%)	Cement (73%)	PW Used (100%)		Cement (79%)	Cement (57%)	Cement (79%)	Gas-Off (30%)	Gas-Pro (92%)		Cement (85%)	Cement (97%)	Cement (73%)	Cement (100%)
Extracted GW	Cement (55%)	Cement (90%)	Cement (73%)	PW Used (100%)		Cement (79%)	Cement (57%)	Cement (79%)	Gas-Off (30%)	Gas-Pro (92%)		Cement (85%)	Cement (97%)	Cement (73%)	Cement (100%)
Emul. Veg. Oil	Cement (55%)	Cement (90%)	Cement (73%)	PW Used (100%)		Cement (79%)	Cement (57%)	Cement (79%)	Gas-Off (30%)	Gas-Pro (92%)		Cement (85%)	Cement (97%)	Cement (73%)	Cement (100%)
Total (All Levels)															
Original	5 - Lab (23%)	5 - Lab (64%)	4 - PW Used (69%)	4 - PW Used (100%)	3 - GW Ext (100%)	4 - Bio#2 (21%)	4 - Bio#2 (26%)	4 - Bio#2 (52%)	2 - HW-Disp (75%)	3 - Steel (55%)	2 - HW-Gen (97%)	5 - Lab (70%)	4 - PW Trans. (43%)	4 - Diesel-Pro (22%)	3 - PVC (100%)
Extracted GW	5 - Lab (23%)	5 - Lab (64%)	2 - HW-Disp (34%)	3 - PW Used (77%)	3 - GW Ext (100%)	4 - Bio#2 (22%)	4 - Bio#2 (26%)	4 - Bio#2 (52%)	2 - HW-Disp (77%)	3 - Steel (55%)	2 - HW-Gen (97%)	5 - Lab (67%)	2 - HW-Disp (28%)	4 - Diesel-Pro (22%)	3 - PVC (100%)
Emul. Veg. Oil	5 - Lab (38%)	5 - Lab (68%)	4 - PW Used (40%)	4 - PW Used (100%)	3 - GW Ext (100%)	5 - Lab (28%)	4 - Bio#3 (31%)	4 - Bio#3 (61%)	2 - HW-Disp (77%)	3 - Steel (55%)	2 - HW-Gen (97%)	5 - Lab (73%)	2 - HW-Disp (24%)	2 - HW-Disp (27%)	3 - PVC (100%)

Note: The primary contributor to the footprint for a particular alternative and level is indicated by an abbreviation in addition to the percentage of the overall footprint that results from this primary contributor. For the total, the number preceding the abbreviation represents the level associated with the contributor (e.g., "1 - Elec. Use (86%)" in the "energy use" column indicates that electricity use in level 1 accounts for 86% of the overall energy used on-site. A key for the abbreviations is included on the "input" sheet for each of the alternatives (see following pages).

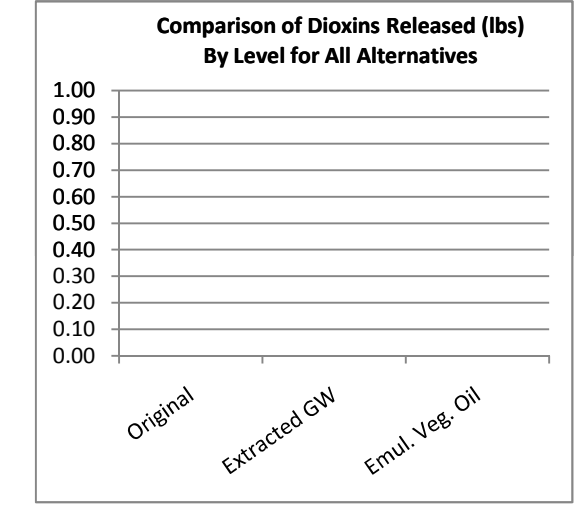
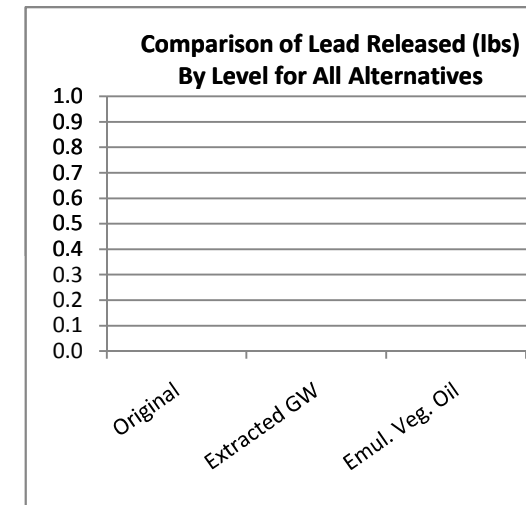
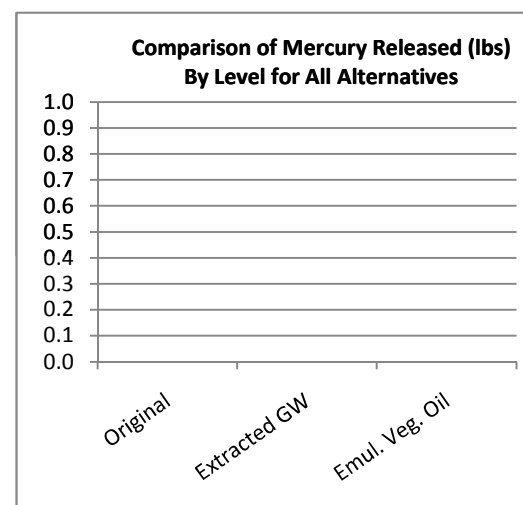
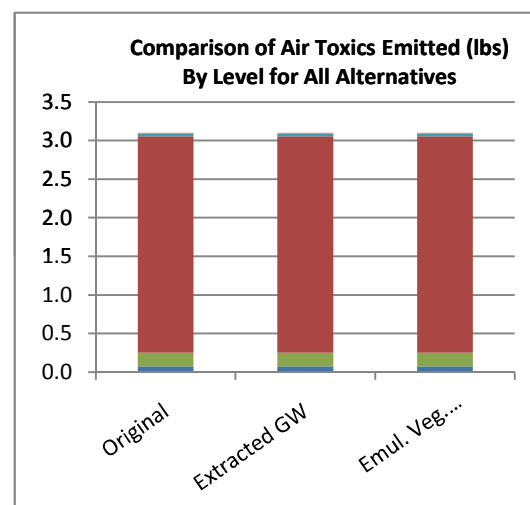
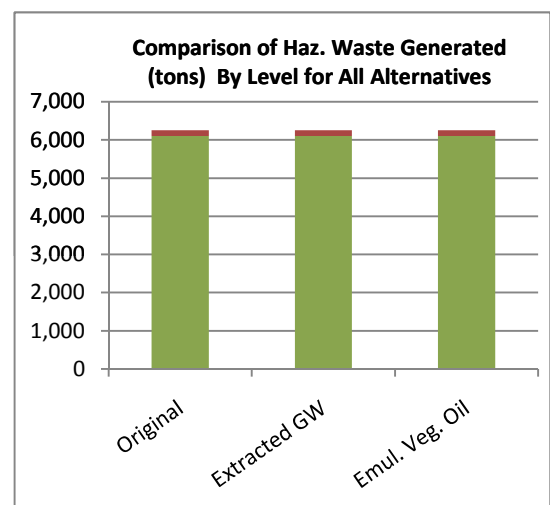
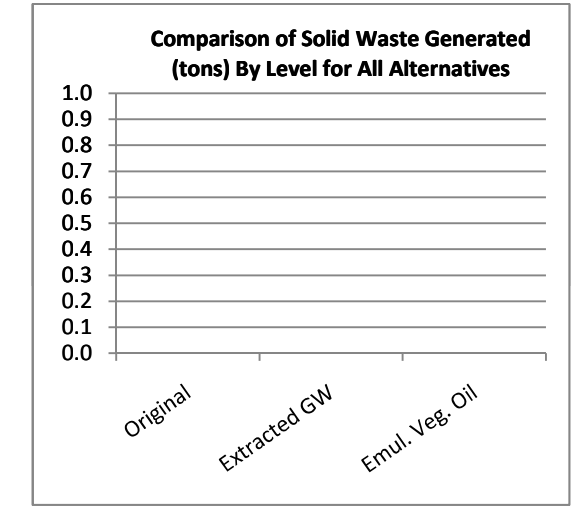
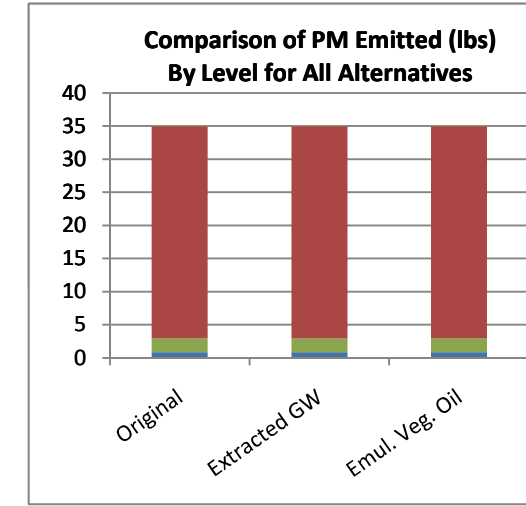
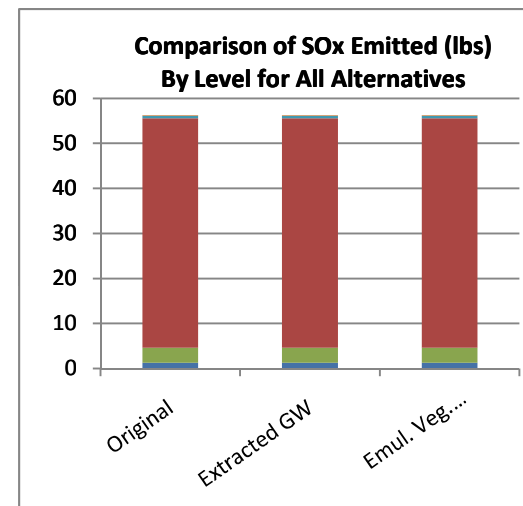
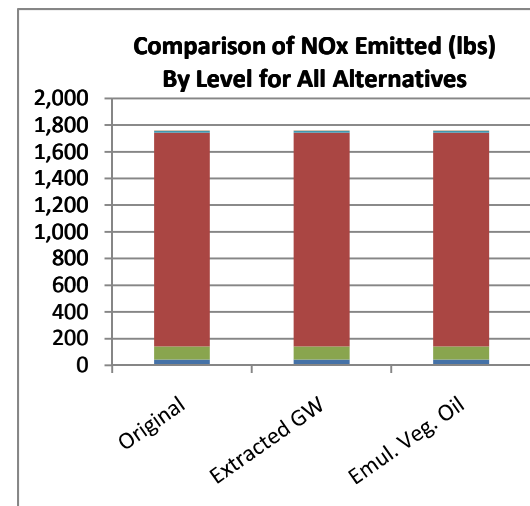
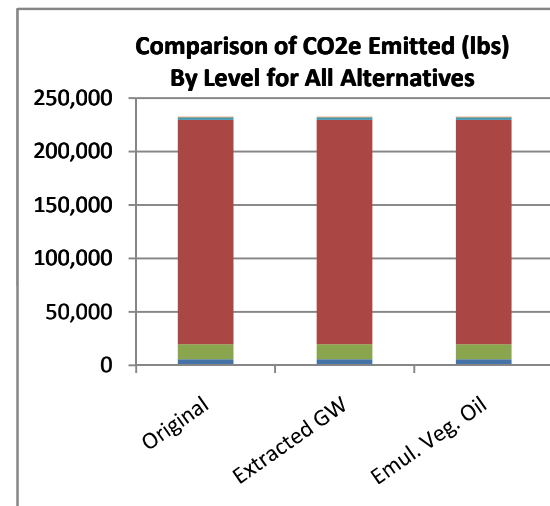
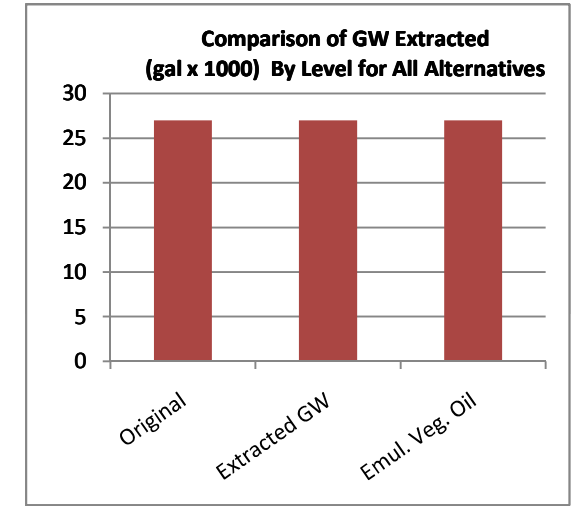
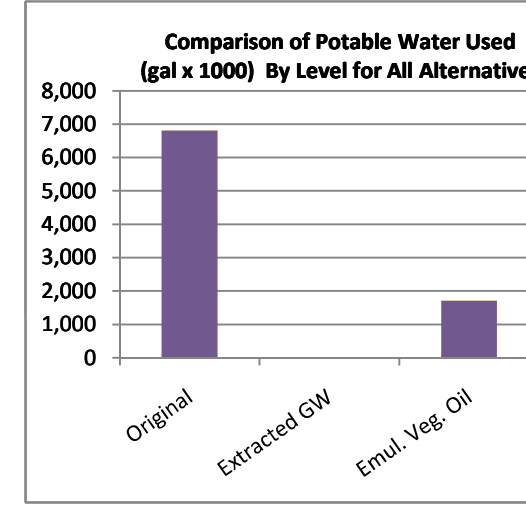
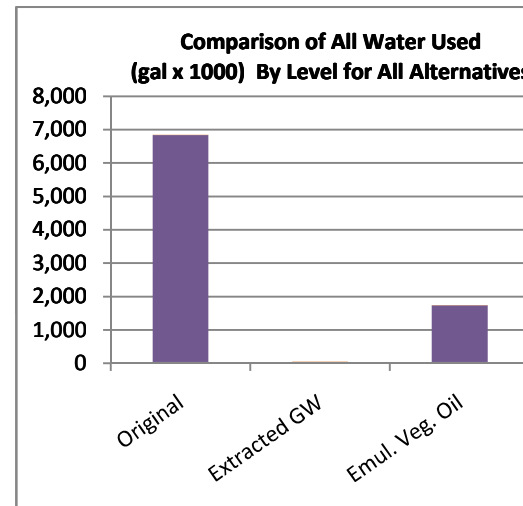
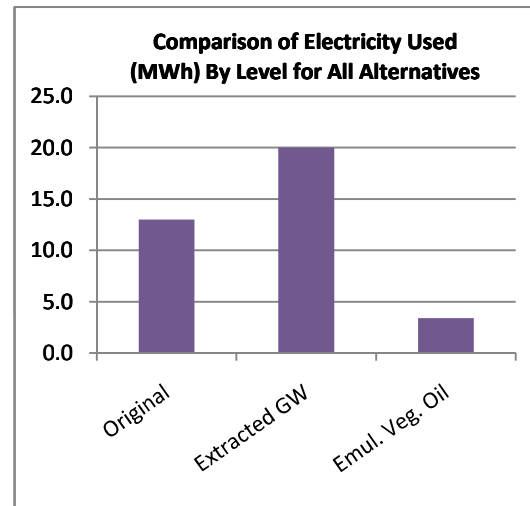
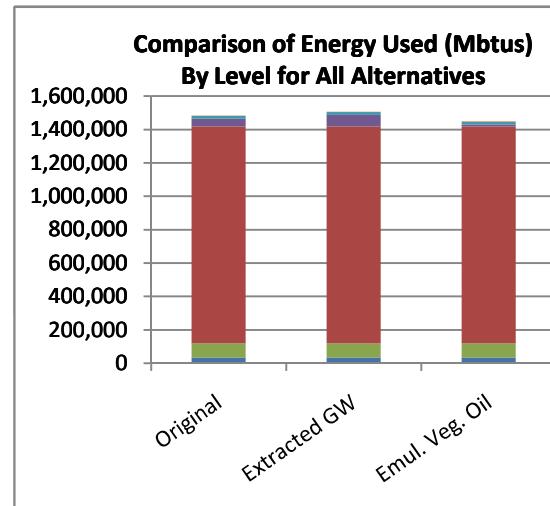
Romic, East Palo Alto, CA - Bioremediation Sensitivity Analysis - Output by Parameter - Total (On-Site + Off-Site) Footprint

Level 1.- Site Investigation Level 2.- Excavation Level 3.- Construction Level 4.- O&M Level 5.- LTM Level 6.- Decomm.



Romic, East Palo Alto, CA - Bioremediation Sensitivity Analysis - Output by Parameter - On-Site Footprint

■ Level 1.- Site Investigation
 ■ Level 2.- Excavation
 ■ Level 3.- Construction
 ■ Level 4.- O&M
 ■ Level 5.- LTM
 ■ Level 6.- Decomm.



Alternative:

Alternative Name:

Path Name:

Main File Name:

Reference File Name:

Module File Name:

Alternative 3 v1

Original

Green Remediation Tool Main.xlsx

Green Remediation Tool Reference.xlsx

alternative 3 v1 inventory modules.xlsx

Variables In Alternative:

Level 1	Site Invest.
Level 2	Excavation
Level 3	Construction
Level 4	O&M
Level 5	LTM
Level 6	Decomm.

Usage Input - Alternative 3 v1

	Abbreviation	Units	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Total
			Site Invest.	Excavation	Construction	O&M	LTM	Decomm.	
Energy									
Diesel (on-site)	Diesel-On	gal	248.192	614.5843	9413.6	0	0	22.4	10298.78
Gasoline (on-site use)	Gas-On	gal	0	0	0	0	127.2	0	127.2
Natural gas (on-site use)	NG-On	ccf							0
Diesel (off-site use)	Diesel-Off	gal	76.0376	26422.54	973.5792	35860.67	16.5375	7.35	63356.71
Gasoline (off-site use)	Gas-Off	gal	143.2	307.2	2507.6	7392	844.8	288	11482.8
Natural gas (off-site use)	NG-Off	ccf							0
On-site electricity use	Elec. Use	MWh	0	0	0	13.44	0	0	13.44
Electricity transmission*	Elec. Trans	MWh	0	0	0	13.44	0	0	13.44
Electricity production*	Elec. Prod	MWh	0	0	0	13.44	0	0	13.44
Materials									
PVC	PVC	lb	0	0	9329.6	0	0	0	9329.6
HDPE	HDPE	lb	0	0	0	0	0	0	0
Steel	Steel	lb	0	0	8704	0	6615	0	15319
Stainless Steel	S. Steel	lb	0	0	0	0	0	0	0
Gravel/sand	Sand	ton	0	5625	26.4	0	0	0	5651.4
Cement Grout	Cement	dry-ton	0.85	0	66.9	0	0	14.7	82.45
Concrete	Concrete	tons	0	349.2	26.0304	0	0	0	375.2304
Bentonite	Bent.	ton	0	0	0.7	0	0	0	0.7
Regenerated GAC	GAC-R	lbs	0	0	0	0	0	0	0
Bioinjection (Molasses)	Bio#1	lbs	0	0	0	2612088	0	0	2612088
Bioinjection (Cheese Whey)	Bio#2	lbs	0	0	0	1200960	0	0	1200960
Bioinjection (Vegetable Oil)	Bio#3	lbs	0	0	0	0	0	0	0
Diesel Produced	Diesel-Pro	gal	324.2296	27037.12	10387.18	35860.67	16.5375	29.75	73655.49
Gasoline Produced	Gas-Pro	gal	143.2	307.2	2507.6	7392	972	288	11610
Natural Gas Produced	NG-Pro	ccf			0				0
Groundwater Extracted On-site	GW Ext	gal x 1000	0	0	27.2	0	0	0	27.2
Potable Water Produced	PW Pro.	gal x 1000	0.5	0	8.54	6840	0	1.877	6850.917
Potable Water Transported	PW Trans.	gal x 1000	0.5	0	8.54	6840	0	1.877	6850.917
Potable Water Used	PW Used	gal x 1000	0.5	0	8.54	6840	0	1.877	6850.917
Other On-Site Water Used	OW	gal x 1000							0
Waste and Other Services									
Off-site waste water treatment	POTW	gal x 1000	0	0	0	0	0	0	0
Solid Waste Generation	SW-Gen	ton	0	0	0	0	0	0	0
Solid Waste Disposal	SW-Disp	ton	0	0	0	0	0	0	0
Hazardous Waste Generation	HW-Gen	ton	1.34	6148.8	149.6	0	0	0	6299.74
Hazardous Waste Disposal	HW-Disp	ton	1.34	6148.8	149.6	0	0	0	6299.74
Laboratory Analysis	Lab	\$	60220	7100	1400	0	770400	0	839120
Other									
On-site process emissions (HAPs)	Proc. HAPs	lbs	0	0	0	0	0	0	0
On-site process emissions (GHGs)	Proc. GHGs	lbs CO2e	0	0	0	0	0	0	0

Notes:

* Report on-site electricity usage for these categories. Transmission and electricity production will be automatically calculated.

	Totals For Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 3 v1														
	Energy Used	Electricity Used	All Water Used	Potable Water Used	Groundwater Extracted	CO2e Emitted	NO x Emitted	SO x Emitted	PM Emitted	Solid Waste Generated	Haz. Waste Generated	Air Toxics Emitted	Mercury Released	Lead Released	Dioxins Released
	Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Level 1 - Site Invest.															
Energy	34,000.	0	0	0	0	5,600.	42.	1.3	0.84	0	0	0.074	0	0	0
Materials	0	0	0.5	0.5	0	0	0	0	0	0	0	0	0	0	0
Waste/Services	0	0	0	0	0	0	0	0	0	0	1.3	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Site Invest. Total	34,000.	0	0.5	0.5	0	5,600.	42.	1.3	0.84	0	1.3	0.074	0	0	0
Level 2 - Excavation															
Energy	85,000.	0	0	0	0	14,000.	100.	3.3	2.1	0	0	0.18	0	0	0
Materials	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste/Services	0	0	0	0	0	0	0	0	0	0	6,100.	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Excavation Total	85,000.	0	0	0	0	14,000.	100.	3.3	2.1	0	6,100.	0.18	0	0	0
Level 3 - Construction															
Energy	1,300,000.	0	0	0	0	210,000.	1,600.	51.	32.	0	0	2.8	0	0	0
Materials	0	0	36.	8.5	27.	0	0	0	0	0	0	0	0	0	0
Waste/Services	0	0	0	0	0	0	0	0	0	0	150.	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Construction Total	1,300,000.	0	36.	8.5	27.	210,000.	1,600.	51.	32.	0	150.	2.8	0	0	0
Level 4 - O&M															
Energy	46,000.	13.	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials	0	0	6,800.	6,800.	0	0	0	0	0	0	0	0	0	0	0
Waste/Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O&M Total	46,000.	13.	6,800.	6,800.	0	0	0	0	0	0	0	0	0	0	0
Level 5 - LTM															
Energy	16,000.	0	0	0	0	2,500.	14.	0.57	0.069	0	0	0.038	0	0	0
Materials	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste/Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LTM Total	16,000.	0	0	0	0	2,500.	14.	0.57	0.069	0	0	0.038	0	0	0
Level 6 - Decomm.															
Energy	3,100.	0	0	0	0	500.	3.8	0.12	0.076	0	0	0.0067	0	0	0
Materials	0	0	1.9	1.9	0	0	0	0	0	0	0	0	0	0	0
Waste/Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Decomm. Total	3,100.	0	1.9	1.9	0	500.	3.8	0.12	0.076	0	0	0.0067	0	0	0
Total	1,500,000.	13.	6,800.	6,800.	27.	230,000.	1,800.	56.	35.	0	6,300.	3.1	0	0	0

	Totals For Parameters Used, Extracted, Emitted, or Generated Off-Site - Alternative 3 v1															
	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins	
	Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released	
Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs	
Level 1 - Site Invest.																
Energy	29,000.	0	0	0	0	4,500.	29.	1.1	0.34	0	0	0.066	0	0	0	
Materials	13,000.	0.38	0.72	0	0	3,000.	6.3	8.7	0.2	0.00018	0	0.11	0.000077	0.00092	0.00000000086	
Waste/Services	530,000.	30.	34.	0	0	78,000.	270.	180.	7.5	0.000012	0	13.	0.0000014	0.000011	0.00000000018	
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Site Invest. Total	570,000.	30.	35.	0	0	86,000.	310.	190.	8.	0.00019	0	13.	0.000078	0.00093	0.0000000001	
Level 2 - Excavation																
Energy	3,700,000.	0	0	0	0	600,000.	4,500.	140.	90.	0	0	8.	0	0	0	
Materials	1,100,000.	40.	820.	0	0	230,000.	600.	670.	34.	0.0098	0	7.1	0.0048	0.05	0.00000000064	
Waste/Services	1,200,000.	56.	1,000.	0	0	180,000.	980.	530.	2,700.	0.054	0	11.	0.0066	0.051	0.00000000081	
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Excavation Total	6,000,000.	96.	1,800.	0	0	1,000,000.	6,100.	1,300.	2,800.	0.064	0	26.	0.011	0.1	0.00000000087	
Level 3 - Construction																
Energy	450,000.	0	0	0	0	71,000.	450.	16.	4.7	0	0	1.	0	0	0	
Materials	780,000.	24.	120.	0	0	220,000.	400.	430.	21.	2.2	0.015	11.	0.0089	0.054	0.000064	
Waste/Services	38,000.	2.	26.	0	0	5,900.	29.	16.	66.	0.0013	0	0.52	0.00016	0.0013	0.0000000002	
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Construction Total	1,300,000.	26.	150.	0	0	300,000.	880.	460.	92.	2.2	0.015	13.	0.0091	0.055	0.000064	
Level 4 - O&M																
Energy	6,000,000.	2.4	98.	0	0	960,000.	6,900.	310.	130.	0.012	0	13.	0.000035	0.00042	0.00000000012	
Materials	6,500,000.	46.	450.	0	0	2,500,000.	18,000.	19,000.	490.	0.026	0	5.6	0.02	0.071	0.00000000022	
Waste/Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
O&M Total	13,000,000.	48.	550.	0	0	3,500,000.	25,000.	19,000.	620.	0.038	0	19.	0.02	0.071	0.00000000023	
Level 5 - LTM																
Energy	100,000.	0	0	0	0	17,000.	96.	3.9	0.52	0	0	0.26	0	0	0	
Materials	49,000.	2.	5.	0	0	12,000.	17.	29.	4.2	1.7	0	0.6	0.00074	0.019	0.00000000043	
Waste/Services	6,800,000.	390.	430.	0	0	1,000,000.	3,500.	2,300.	88.	0	0	160.	0	0	0	
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
LTM Total	6,900,000.	390.	440.	0	0	1,000,000.	3,600.	2,300.	93.	1.7	0	160.	0.00074	0.019	0.00000000043	
Level 6 - Decomm.																
Energy	37,000.	0	0	0	0	5,800.	33.	1.3	0.19	0	0	0.088	0	0	0	
Materials	67,000.	2.1	6.3	0	0	27,000.	56.	37.	0.28	0.00013	0	0.9	0.00087	0.0026	0.00000000012	
Waste/Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Decomm. Total	100,000.	2.1	6.3	0	0	33,000.	89.	38.	0.47	0.00013	0	0.99	0.00087	0.0026	0.00000000012	
Total	28,000,000.	590.	3,000.	0	0	5,900,000.	36,000.	23,000.	3,600.	4.	0.015	230.	0.042	0.25	0.000064	

	Totals for On-Site and Off-Site Parameters - Alternative 3 v1														
	Energy Used	Electricity Used	All Water Used	Potable Water Used	Groundwater Extracted	CO2e Emitted	NO x Emitted	SO x Emitted	PM Emitted	Solid Waste Generated	Haz. Waste Generated	Air Toxics Emitted	Mercury Released	Lead Released	Dioxins Released
	Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Level 1 - Site Invest.															
Energy	63,000.	0	0	0	0	10,000.	71.	2.4	1.2	0	0	0.14	0	0	0
Materials	13,000.	0.38	1.2	0.5	0	3,000.	6.3	8.7	0.2	0.00018	0	0.11	0.000077	0.00092	0.00000000086
Waste/Services	530,000.	30.	34.	0	0	78,000.	270.	180.	7.5	0.000012	1.3	13.	0.0000014	0.000011	0.00000000018
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Site Invest. Total	610,000.	30.	35.	0.5	0	91,000.	350.	190.	8.9	0.00019	1.3	13.	0.000078	0.00093	0.0000000001
Level 2 - Excavation															
Energy	3,800,000.	0	0	0	0	610,000.	4,600.	140.	92.	0	0	8.2	0	0	0
Materials	1,100,000.	40.	820.	0	0	230,000.	600.	670.	34.	0.0098	0	7.1	0.0048	0.05	0.0000000064
Waste/Services	1,200,000.	56.	1,000.	0	0	180,000.	980.	530.	2,700.	0.054	6,100.	11.	0.0066	0.051	0.000000081
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Excavation Total	6,100,000.	96.	1,800.	0	0	1,000,000.	6,200.	1,300.	2,800.	0.064	6,100.	26.	0.011	0.1	0.000000087
Level 3 - Construction															
Energy	1,800,000.	0	0	0	0	280,000.	2,100.	67.	37.	0	0	3.8	0	0	0
Materials	780,000.	24.	150.	8.5	27.	220,000.	400.	430.	21.	2.2	0.015	11.	0.0089	0.054	0.000064
Waste/Services	38,000.	2.	26.	0	0	5,900.	29.	16.	66.	0.0013	150.	0.52	0.00016	0.0013	0.000000002
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Construction Total	2,600,000.	26.	180.	8.5	27.	510,000.	2,500.	510.	120.	2.2	150.	15.	0.0091	0.055	0.000064
Level 4 - O&M															
Energy	6,100,000.	15.	98.	0	0	960,000.	6,900.	310.	130.	0.012	0	13.	0.000035	0.00042	0.0000000012
Materials	6,500,000.	46.	7,200.	6,800.	0	2,500,000.	18,000.	19,000.	490.	0.026	0	5.6	0.02	0.071	0.0000000022
Waste/Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O&M Total	13,000,000.	61.	7,300.	6,800.	0	3,500,000.	25,000.	19,000.	620.	0.038	0	19.	0.02	0.071	0.0000000023
Level 5 - LTM															
Energy	120,000.	0	0	0	0	20,000.	110.	4.5	0.59	0	0	0.29	0	0	0
Materials	49,000.	2.	5.	0	0	12,000.	17.	29.	4.2	1.7	0	0.6	0.00074	0.019	0.000000043
Waste/Services	6,800,000.	390.	430.	0	0	1,000,000.	3,500.	2,300.	88.	0	0	160.	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LTM Total	7,000,000.	390.	440.	0	0	1,000,000.	3,600.	2,300.	93.	1.7	0	160.	0.00074	0.019	0.000000043
Level 6 - Decomm.															
Energy	40,000.	0	0	0	0	6,300.	37.	1.5	0.26	0	0	0.095	0	0	0
Materials	67,000.	2.1	8.2	1.9	0	27,000.	56.	37.	0.28	0.00013	0	0.9	0.00087	0.0026	0.0000000012
Waste/Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Decomm. Total	110,000.	2.1	8.2	1.9	0	33,000.	93.	39.	0.54	0.00013	0	1.	0.00087	0.0026	0.0000000012
Total	29,000,000.	610.	9,800.	6,800.	27.	6,100,000.	38,000.	23,000.	3,600.	4.	6,300.	230.	0.042	0.25	0.000064

	Percentages For Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 3 v1														
	Energy Used	Electricity Used	All Water Used	Potable Water Used	Groundwater Extracted	CO2e Emitted	NO x Emitted	SO x Emitted	PM Emitted	Solid Waste Generated	Haz. Waste Generated	Air Toxics Emitted	Mercury Released	Lead Released	Dioxins Released
	Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Level 1 - Site Invest.															
Energy	2%	0%	0%	0%	0%	2%	2%	2%	2%	0%	0%	2%	0%	0%	0%
Materials	0%	0%	<1%	<1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Waste/Services	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	<1%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Site Invest. Total	2%	0%	<1%	<1%	0%	2%	2%	2%	2%	0%	<1%	2%	0%	0%	0%
Level 2 - Excavation															
Energy	6%	0%	0%	0%	0%	6%	6%	6%	6%	0%	0%	6%	0%	0%	0%
Materials	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Waste/Services	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	98%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Excavation Total	6%	0%	0%	0%	0%	6%	6%	6%	6%	0%	98%	6%	0%	0%	0%
Level 3 - Construction															
Energy	88%	0%	0%	0%	0%	90%	91%	91%	91%	0%	0%	90%	0%	0%	0%
Materials	0%	0%	<1%	<1%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Waste/Services	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Construction Total	88%	0%	<1%	<1%	100%	90%	91%	91%	91%	0%	2%	90%	0%	0%	0%
Level 4 - O&M															
Energy	3%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Materials	0%	0%	99%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Waste/Services	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
On-Site Total	3%	100%	99%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Level 5 - LTM															
Energy	1%	0%	0%	0%	0%	1%	<1%	1%	<1%	0%	0%	1%	0%	0%	0%
Materials	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Waste/Services	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
On-Site Total	1%	0%	0%	0%	0%	1%	<1%	1%	<1%	0%	0%	1%	0%	0%	0%
Level 6 - Decomm.															
Energy	<1%	0%	0%	0%	0%	<1%	<1%	<1%	<1%	0%	0%	<1%	0%	0%	0%
Materials	0%	0%	<1%	<1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Waste/Services	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Off-Site Total	<1%	0%	<1%	<1%	0%	<1%	<1%	<1%	<1%	0%	0%	<1%	0%	0%	0%

	Percentages For Parameters Used, Extracted, Emitted, or Generated Off-Site - Alternative 3 v1														
	Energy Used	Electricity Used	All Water Used	Potable Water Used	Groundwater Extracted	CO2e Emitted	NO x Emitted	SO x Emitted	PM Emitted	Solid Waste Generated	Haz. Waste Generated	Air Toxics Emitted	Mercury Released	Lead Released	Dioxins Released
	Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Level 1 - Site Invest.															
Energy	<1%	0%	0%	0%	0%	<1%	<1%	<1%	<1%	0%	0%	<1%	0%	0%	0%
Materials	<1%	<1%	<1%	0%	0%	<1%	<1%	<1%	<1%	<1%	0%	<1%	<1%	<1%	<1%
Waste/Services	2%	5%	1%	0%	0%	1%	<1%	<1%	<1%	<1%	0%	6%	<1%	<1%	<1%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Site Invest. Total	2%	5%	1%	0%	0%	1%	<1%	<1%	<1%	<1%	0%	6%	<1%	<1%	<1%
Level 2 - Excavation															
Energy	13%	0%	0%	0%	0%	10%	13%	<1%	2%	0%	0%	3%	0%	0%	0%
Materials	4%	7%	28%	0%	0%	4%	2%	3%	<1%	<1%	0%	3%	11%	20%	<1%
Waste/Services	4%	9%	34%	0%	0%	3%	3%	2%	75%	1%	0%	5%	16%	21%	<1%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Excavation Total	22%	16%	61%	0%	0%	17%	17%	5%	77%	1%	0%	11%	27%	41%	<1%
Level 3 - Construction															
Energy	2%	0%	0%	0%	0%	1%	1%	<1%	<1%	0%	0%	<1%	0%	0%	0%
Materials	3%	4%	4%	0%	0%	4%	1%	2%	<1%	55%	100%	5%	21%	22%	100%
Waste/Services	<1%	<1%	<1%	0%	0%	<1%	<1%	<1%	2%	<1%	0%	<1%	<1%	<1%	<1%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Construction Total	4%	4%	4%	0%	0%	5%	2%	2%	2%	55%	100%	5%	21%	22%	100%
Level 4 - O&M															
Energy	22%	<1%	3%	0%	0%	16%	19%	1%	4%	<1%	0%	6%	<1%	<1%	<1%
Materials	23%	8%	15%	0%	0%	42%	50%	82%	14%	<1%	0%	2%	48%	29%	<1%
Waste/Services	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
On-Site Total	45%	8%	18%	0%	0%	58%	69%	83%	17%	<1%	0%	8%	48%	29%	<1%
Level 5 - LTM															
Energy	<1%	0%	0%	0%	0%	<1%	<1%	<1%	<1%	0%	0%	<1%	0%	0%	0%
Materials	<1%	<1%	<1%	0%	0%	<1%	<1%	<1%	<1%	42%	0%	<1%	2%	8%	<1%
Waste/Services	24%	66%	14%	0%	0%	17%	10%	10%	2%	0%	0%	69%	0%	0%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
On-Site Total	24%	66%	14%	0%	0%	17%	10%	10%	2%	42%	0%	69%	2%	8%	<1%
Level 6 - Decomm.															
Energy	<1%	0%	0%	0%	0%	<1%	<1%	<1%	<1%	0%	0%	<1%	0%	0%	0%
Materials	<1%	<1%	<1%	0%	0%	<1%	<1%	<1%	<1%	<1%	0%	<1%	2%	1%	<1%
Waste/Services	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Off-Site Total	<1%	<1%	<1%	0%	0%	<1%	<1%	<1%	<1%	<1%	0%	<1%	2%	1%	<1%

	Percentages for Total On-Site and Off-Site Parameters - Alternative 3 v1															
	Energy Used	Electricity Used	All Water Used	Potable Water Used	Groundwater Extracted	CO2e Emitted	NO x Emitted	SO x Emitted	PM Emitted	Solid Waste Generated	Haz. Waste Generated	Air Toxics Emitted	Mercury Released	Lead Released	Dioxins Released	
	Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs	
Level 1 - Site Invest.																
Energy	<1%	0%	0%	0%	0%	<1%	<1%	<1%	<1%	0%	0%	<1%	0%	0%	0%	
Materials	<1%	<1%	<1%	<1%	0%	<1%	<1%	<1%	<1%	<1%	0%	<1%	<1%	<1%	<1%	
Waste/Services	2%	5%	<1%	0%	0%	1%	<1%	<1%	<1%	<1%	<1%	6%	<1%	<1%	<1%	
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Site Invest. Total	2%	5%	<1%	<1%	0%	1%	<1%	<1%	<1%	<1%	<1%	6%	<1%	<1%	<1%	
Level 2 - Excavation																
Energy	13%	0%	0%	0%	0%	10%	12%	<1%	3%	0%	0%	4%	0%	0%	0%	
Materials	4%	7%	8%	0%	0%	4%	2%	3%	<1%	<1%	0%	3%	11%	20%	<1%	
Waste/Services	4%	9%	10%	0%	0%	3%	3%	2%	74%	1%	98%	5%	16%	21%	<1%	
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Excavation Total	21%	16%	19%	0%	0%	17%	16%	5%	77%	1%	98%	11%	27%	41%	<1%	
Level 3 - Construction																
Energy	6%	0%	0%	0%	0%	5%	6%	<1%	1%	0%	0%	2%	0%	0%	0%	
Materials	3%	4%	2%	<1%	100%	4%	1%	2%	<1%	55%	<1%	5%	21%	22%	100%	
Waste/Services	<1%	<1%	<1%	0%	0%	<1%	<1%	<1%	2%	<1%	2%	<1%	<1%	<1%	<1%	
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Construction Total	9%	4%	2%	<1%	100%	8%	7%	2%	3%	55%	2%	6%	21%	22%	100%	
Level 4 - O&M																
Energy	21%	2%	1%	0%	0%	16%	18%	1%	4%	<1%	0%	6%	<1%	<1%	<1%	
Materials	22%	8%	74%	100%	0%	41%	48%	81%	13%	<1%	0%	2%	48%	29%	<1%	
Waste/Services	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
On-Site Total	43%	10%	75%	100%	0%	56%	66%	83%	17%	<1%	0%	8%	48%	29%	<1%	
Level 5 - LTM																
Energy	<1%	0%	0%	0%	0%	<1%	<1%	<1%	<1%	0%	0%	<1%	0%	0%	0%	
Materials	<1%	<1%	<1%	0%	0%	<1%	<1%	<1%	<1%	42%	0%	<1%	2%	8%	<1%	
Waste/Services	23%	64%	4%	0%	0%	16%	9%	10%	2%	0%	0%	68%	0%	0%	0%	
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
On-Site Total	23%	64%	4%	0%	0%	16%	9%	10%	2%	42%	0%	68%	2%	8%	<1%	
Level 6 - Decomm.																
Energy	<1%	0%	0%	0%	0%	<1%	<1%	<1%	<1%	0%	0%	<1%	0%	0%	0%	
Materials	<1%	<1%	<1%	<1%	0%	<1%	<1%	<1%	<1%	<1%	0%	<1%	2%	1%	<1%	
Waste/Services	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Off-Site Total	<1%	<1%	<1%	<1%	0%	<1%	<1%	<1%	<1%	<1%	0%	<1%	2%	1%	<1%	

All Levels - Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 3 v1																															
	Quantity Used	Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
		Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Extracted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Generated	Conv. Factor	Generated	Conv. Factor	Emitted	Conv. Factor	Released	Conv. Factor	Released	Conv. Factor	Released
			Mbtu		MWh		gal x 1000		gal x 1000		gal x 1000		lbs		lbs		lbs		lbs		tons		tons		lbs		lbs		lbs		lbs
Totals			1,500,000.		13.		6,800.		6,800.		27.		230,000.		1,800.		56.		35.		0		6,300.		3.1		0		0		0
Energy																															
Diesel (on-site)	gal	10298.776	139	1,422,100.	0	0	0	0	0	0	0	22.5	230,100.	0.17	1,745.8	0.0054	55.72	0.0034	35.016	0	0	0	0	0.0003	3.0607	0	0	0	0	0	0
Gasoline (on-site use)	gal	127.2	124	16,000.	0	0	0	0	0	0	0	19.6	2,500.	0.11	14.	0.0045	0.57	0.0005	0.069	0	0	0	0	0.0003	0.038	0	0	0	0	0	0
Natural gas (on-site use)	ccf	0	103	0	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0.29	0	0	0	0	0	0	0
Diesel (off-site use)	gal	63356.71	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gasoline (off-site use)	gal	11482.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site electricity use	MWh	13.44	3413	46,000.	1	13.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity transmission*	MWh	13.44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity production*	MWh	13.44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Energy Subtotal			1,500,000.		13.		6,800.		6,800.		27.		230,000.		1,800.		56.		35.		0		6,300.		3.1		0		0		0
Materials																															
PVC	lb	9329.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Steel	lb	15319	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gravel/sand	ton	5651.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cement Grout	dry-ton	82.45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Concrete	tons	375.2304	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bentonite	ton	0.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Molasses)	lbs	2612088	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	1200960	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Produced	gal	73655.486	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gasoline Produced	gal	11610	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Groundwater Extracted On-site	gal x 1000	27.2	0	0	0	1	27.	0	0	1	27.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Produced	gal x 1000	6850.917	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Transported	gal x 1000	6850.917	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Used	gal x 1000	6850.917	0	0	0	1	6,810.9	1	6,810.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other On-Site Water Used	gal x 1000	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials Subtotal			0		0		6,800.		6,800.		27.		0		0		0		0		0		0		0		0		0		0
Waste and Other Services																															
Off-site waste water treatment	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Generation	ton	6299.74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6,251.3	0	0	0	0	0	0	0	0	0
Hazardous Waste Disposal	ton	6299.74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Laboratory Analysis	\$	839120	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste and Other Services Subtotal			0		0		0		0		0		0		0		0		0		0		6,300.		0		0		0		0
Other																															
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Subtotal			0		0		0		0		0		0		0		0		0		0		0		0		0		0		0

- Notes:
 - All results are rounded to two significant digits
 - Groundwater extracted refers to Groundwater extracted on-site that is not reinjected to an aquifer of similar quality
 - All water refers to all water of any variety used on-site that is not returned to its original source. This can include potable water, groundwater, surface water, reclaimed water, etc.
 - Air toxics refers to Hazardous Air Pollutant (HAPs) as defined by EPA

		All Levels - Parameters Used, Extracted, Emitted, or Generated Off-Site - Alternative 3 v1																														
		Quantity Used	Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
			Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Extracted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Generated	Conv. Factor	Generated	Conv. Factor	Emitted	Conv. Factor	Released	Conv. Factor	Released	Conv. Factor	Released
			Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000		lbs	lbs	lbs	lbs	lbs	lbs	lbs	tons	tons	tons	tons	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	
Totals			27,000,000.		590.		3,000.		0		0		6,000,000.		36,000.		24,000.		3,700.		4.1		0.015		230.		0.043		0.25		0.000064	
Energy																																
Diesel (on-site)	gal	10298.776	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gasoline (on-site use)	gal	127.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural gas (on-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel (off-site use)	gal	63356.71	139	8,854,300.	0	0	0	0	0	0	0	22.5	1,424,240.	0.17	10,787.	0.0054	335.839	0.0034	213.641	0	0	0	0	0.0003	19.2202	0	0	0	0	0	0	0
Gasoline (off-site use)	gal	11482.8	124	1,422,000.	0	0	0	0	0	0	0	19.6	220,400.	0.11	1,265.	0.0045	51.14	0.0005	6.267	0	0	0	0	0.0003	3.421	0	0	0	0	0	0	
Natural gas (off-site use)	ccf	0	103	0	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0.29	0	0	0	0	0	0	0	
On-site electricity use	MWh	13.44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Electricity transmission*	MWh	13.44	410	5,500.	0.12	1.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Electricity production*	MWh	13.44	7800	100,000.	0.06	0.81	7.3	98.	0	0	0	800	11,000.	0.84	11.	6.7	90.	0.087	1.2	0.0009	0.012	0	0	0.017	0.23	3E-06	0.000035	3E-05	0.00042	9E-12	0.0000000012	
Energy Subtotal			10,000,000.		2.4		98.		0		0		1,700,000.		12,000.		480.		220.		0.012		0		23.		0.000035		0.00042		0.0000000012	
Materials																																
PVC	lb	9329.6	22	210,000.	0.0006	5.2	0.0069	64.	0	0	0	4.1	38,000.	0.0048	45.	0.0076	71.	0.0012	11.	2E-06	0.021	2E-06	0.015	0.0005	4.4	3E-07	0.0032	1E-07	0.0012	7E-09	0.000064	
HDPE	lb	0	31	0	0.0003	0	0.0023	0	0	0	0	1.9	0	0.0032	0	0.0041	0	0.0006	0	4E-07	0	1E-06	0	3E-06	0	3E-09	0	2E-09	0	1E-09	0	
Steel	lb	15319	4.4	67,000.	0.0002	3.2	0.0006	9.8	0	0	0	1.1	16,900.	0.0014	21.3	0.0017	26.	0.0006	8.6	0.0003	3.9	0	0	7E-05	1.02	1E-07	0.00153	3E-06	0.039	7E-12	0.0000001	
Stainless Steel	lb	0	11.6	0	0.0006	0	0.0023	0	0	0	0	3.4	0	0.0075	0	0.012	0	0.0044	0	0.0006	0	0	0	0.0001	0	0	0	5E-07	0	2E-12	0	
Gravel/sand	ton	5651.4	55	311,500.	0.0027	15.071	0.13	733.4	0	0	0	6.7	38,180.	0.033	190.87	0.03	170.79	0.004	23.11	0	0	0	0	4E-07	0.002311	6E-11	0.0000003617	1E-09	0.00006832	2E-16	0.0000000000844	
Cement Grout	dry-ton	82.45	4100	333,500.	0.13	10.71	0.41	33.35	0	0	0	1800	147,500.	3.6	296.1	2.1	172.8	0.0063	0.5184	0	0	0	0	0.058	4.799	6E-05	0.004688	0.0001	0.01071	9E-11	0.000000006972	
Concrete	tons	375.2304	793	301,000.	0.026	9.78	0.19	70.9	0	0	0	335	128,700.	0.68	258.	0.41	151.	0.0044	1.61	3E-08	0.00001053	0	0	0	0.011	4.09	1E-05	0.00376	2E-05	0.00902	2E-11	0.00000000602
Bentonite	ton	0.7	55	39.	0.0027	0.0019	0.13	0.091	0	0	0	6.7	4.7	0.033	0.023	0.03	0.021	0.004	0.0028	0	0	0	0	4E-07	0.00000029	6E-11	0.00000000045	1E-09	0.00000000084	2E-16	0.00000000000011	
Regenerated GAC	lbs	0	9.6	0	0.0004	0	0.0064	0	0	0	0	2	0	0.025	0	0.015	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Molasses)	lbs	2612088	1.31	3,400,000.	5E-06	13.	9E-05	240.	0	0	0	0.4	1,000,000.	0.003	7,800.	0.0026	6,800.	6E-05	160.	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	1200960	1.87	2,200,000.	0	0	0	0	0	0	0	1.1	1,300,000.	0.0083	10,000.	0.0099	12,000.	0.0002	200.	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	0	3.6	0	6E-05	0	2E-05	0	0	0	0	3.51	0	0.0265	0	0.031	0	0.0017	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Produced	gal	73655.486	18.5	1,356,860.	0.0006	43.3178	0.0008	57.286	0	0	0	2.7	199,005.	0.0064	468.4	0.013	964.8	0.0003	24.8256	4E-07	0.026537	0	0	0.0001	8.7446	5E-08	0.00351819	2E-06	0.11156	3E-14	0.00000000223109	
Gasoline Produced	gal	11610	21	248,500.	0.0006	6.904	0.0008	9.15	0	0	0	4.4	51,630.	0.008	92.7	0.019	220.	0.0005	5.994	4E-07	0.00492	0	0	0.0002	1.878	9E-08	0.000985	2E-06	0.02523	3E-14	0.000000003608	
Natural Gas Produced	ccf	0	5.2	0	0.0003	0	8E-05	0	0	0	0	2.2	0	0.0037	0	0.0046	0	7E-05	0	0	0	0	0	6E-06	0	2E-08	0	9E-07	0	5E-14	0	
Groundwater Extracted On-site	gal x 1000	27.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Potable Water Produced	gal x 1000	6850.917	9.2	63,100.6	0.0004	3.00485	0.021	140.23	0	0	0	5	34,054.9	0.0097	66.1059	0.0059	40.064	0.016	110.178	8E-07	0.00570912	0	0	2E-05	0.1001655	8E-09	0.0000560891	7E-08	0.000460734	1E-13	0.0000000068109	
Potable Water Transported	gal x 1000	6850.917	7.4	51,080.7	0.0006	4.40702	0.0047	32.0513	0	0	0	0.5168	3,505.63	0.0005	3.70587	0.0043	30.0473	6E-05	0.380618	6E-07	0.00400639	0	0	0	0	3E-06	0.0180293	4E-08	0.000270422	3E-14	0.0000000002032	
Potable Water Used	gal x 1000	6850.917	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Other On-Site Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Materials Subtotal			8,500,000.		110.		1,400.		0		0		3,000,000.		19,000.		21,000.		550.		4.		0.015		25.		0.036		0.2		0.000064	
Waste and Other Services																																
Off-site waste water treatment	gal x 1000	0	3.7	0	0.0002	0	0.0008	0	0	0	0	3	0	0.0061	0	0.0029	0	8E-05	0	5E-07	0	0	0	0.0001	0	8E-08	0	6E-07	0	1E-12	0	
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	160	0	0.0077	0	0.15	0	0	0	0	25	0	0.14	0	0.075	0	0.4	0	8E-06	0	0	0	0.0014	0	1E-06	0	8E-06	0	1E-11	0	0
Hazardous Waste Generation	ton	6299.74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Disposal	ton	6299.74	176	1,126,240.	0.0085	53.311	0.165	1,025.22	0	0	0	27.5	174,137.	0.154	973.21	0.0825	522.11	0.44	2,766.59	9E-06	0.055312	0	0	0.0015	9.7321	1E-06	0.0067614					

All Levels - Total On-Site and Off-Site Parameters - Alternative 3 v1																
	Quantity Used	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
		Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
		Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Totals		29,000,000.	610.	9,800.	6,800.	27.	6,200,000.	38,000.	25,000.	3,700.	4.1	6,300.	230.	0.043	0.25	0.000064
Energy																
Diesel (on-site)	gal	10298.776	1,422,100.	0	0	0	230,100.	1,745.8	55.72	35.016	0	0	3.0607	0	0	0
Gasoline (on-site use)	gal	127.2	16,000.	0	0	0	2,500.	14.	0.57	0.069	0	0	0.038	0	0	0
Natural gas (on-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel (off-site use)	gal	63356.71	8,854,300.	0	0	0	1,424,240.	10,787.	335.839	213.641	0	0	19.2202	0	0	0
Gasoline (off-site use)	gal	11482.8	1,422,000.	0	0	0	220,400.	1,265.	51.14	6.267	0	0	3.421	0	0	0
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site electricity use	MWh	13.44	46,000.	13.	0	0	0	0	0	0	0	0	0	0	0	0
Electricity transmission*	MWh	13.44	5,500.	1.6	0	0	0	0	0	0	0	0	0	0	0	0
Electricity production*	MWh	13.44	100,000.	0.81	98.	0	11,000.	11.	90.	1.2	0.012	0	0.23	0.000035	0.00042	0.0000000012
Energy Subtotal		12,000,000.	15.	98.	0	0	1,900,000.	14,000.	530.	260.	0.012	0	26.	0.000035	0.00042	0.0000000012
Materials																
PVC	lb	9329.6	210,000.	5.2	64.	0	38,000.	45.	71.	11.	0.021	0.015	4.4	0.0032	0.0012	0.000064
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Steel	lb	15319	67,000.	3.2	9.8	0	16,900.	21.3	26.	8.6	3.9	0	1.02	0.00153	0.039	0.0000001
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gravel/sand	ton	5651.4	311,500.	15.071	733.4	0	38,180.	190.87	170.79	23.11	0	0	0.002311	0.000003617	0.000006832	0.0000000000844
Cement Grout	dry-ton	82.45	333,500.	10.71	33.35	0	147,500.	296.1	172.8	0.5184	0	0	4.799	0.004688	0.01071	0.00000006972
Concrete	tons	375.2304	301,000.	9.78	70.9	0	128,700.	258.	151.	1.61	0.00001053	0	4.09	0.00376	0.00902	0.0000000602
Bentonite	ton	0.7	39.	0.0019	0.091	0	4.7	0.023	0.021	0.0028	0	0	0.00000029	0.00000000045	0.000000000084	0.00000000000011
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Molasses)	lbs	2612088	3,400,000.	13.	240.	0	1,000,000.	7,800.	6,800.	160.	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	1200960	2,200,000.	0	0	0	1,300,000.	10,000.	12,000.	200.	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Produced	gal	73655.486	1,356,860.	43.3178	57.286	0	199,005.	468.4	964.8	24.8256	0.026537	0	8.7446	0.00351819	0.11156	0.0000000223109
Gasoline Produced	gal	11610	248,500.	6.904	9.15	0	51,630.	92.7	220.	5.994	0.00492	0	1.878	0.000985	0.02523	0.000000003608
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Groundwater Extracted On-site	gal x 1000	27.2	0	0	27.	27.	0	0	0	0	0	0	0	0	0	0
Potable Water Produced	gal x 1000	6850.917	63,100.6	3.00485	140.23	0	34,054.9	66.1059	40.064	110.178	0.00570912	0	0.1001655	0.0000560891	0.000460734	0.00000000068109
Potable Water Transported	gal x 1000	6850.917	51,080.7	4.40702	32.0513	0	3,505.63	3.70587	30.0473	0.380618	0.00400639	0	0	0.0180293	0.000270422	0.0000000020032
Potable Water Used	gal x 1000	6850.917	0	0	6,810.9	6,810.9	0	0	0	0	0	0	0	0	0	0
Other On-Site Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials Subtotal		8,500,000.	110.	8,200.	6,800.	27.	3,000,000.	19,000.	21,000.	550.	4.	0.015	25.	0.036	0.2	0.000064
Waste and Other Services																
Off-site waste water treatment	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Generation	ton	6299.74	0	0	0	0	0	0	0	0	0	6,251.3	0	0	0	0
Hazardous Waste Disposal	ton	6299.74	1,126,240.	53.311	1,025.22	0	174,137.	973.21	522.11	2,766.59	0.055312	0	9.7321	0.0067614	0.052311	0.00000083018
Laboratory Analysis	\$	839120	7,404,000.	424.3	468.78	0	1,089,000.	3,808.3	2,505.2	95.87	0	0	174.79	0	0	0
Waste and Other Services Subtotal		8,500,000.	480.	1,500.	0	0	1,300,000.	4,800.	3,000.	2,900.	0.055	6,300.	180.	0.0068	0.052	0.00000083
Other																
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Subtotal		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Notes:
 - All results are rounded to two significant digits
 - All water refers to all water of any variety (excluding sea water) that is used. This can include potable water, groundwater, surface water, reclaimed water, etc.
 - Air toxics refers to Hazardous Air Pollutant (HAPs) as defined by EPA
 - Mercury, lead, and dioxins released refers to releases to air and water

		Level 1 (Site Invest.) Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 3 v1																														
		Quantity Used	Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
			Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Extracted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Generated	Conv. Factor	Generated	Conv. Factor	Emitted	Conv. Factor	Released	Conv. Factor	Released	Conv. Factor	Released
				Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs
Totals																																
Energy																																
Diesel (on-site)	gal	248.192	139	34,000.	0	0	0	0	0	0	0	22.5	5,600.	0.17	42.	0.0054	1.3	0.0034	0.84	0	0	0	0	0.0003	0.074	0	0	0	0	0	0	
Gasoline (on-site use)	gal	0	124	0	0	0	0	0	0	0	0	19.6	0	0.11	0	0.0045	0	0.0005	0	0	0	0	0.0003	0	0	0	0	0	0	0		
Natural gas (on-site use)	ccf	0	103	0	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0.29	0	0	0	0	0	0	0		
Diesel (off-site use)	gal	76.0376	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Gasoline (off-site use)	gal	143.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
On-site electricity use	MWh	0	3413	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Electricity transmission*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Electricity production*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Energy Subtotal				34,000.	0	0	0	0	0	0	0	5,600.	42.	1.3	0.84	0	0	0	0	0	0	0	0.074	0	0	0	0	0	0			
Materials																																
PVC	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Gravel/sand	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Cement Grout	dry-ton	0.85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Concrete	tons	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Bentonite	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Diesel Produced	gal	324.2296	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Gasoline Produced	gal	143.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Groundwater Extracted On-site	gal x 1000	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Potable Water Produced	gal x 1000	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Potable Water Transported	gal x 1000	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Potable Water Used	gal x 1000	0.5	0	0	0	1	0.5	1	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Other On-Site Water Used	gal x 1000	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Materials Subtotal				0	0	0.5	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Waste and Other Services																																
Off-site waste water treatment	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0		
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Hazardous Waste Generation	ton	1.34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1.3	0	0	0	0	0	0	0		
Hazardous Waste Disposal	ton	1.34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Laboratory Analysis	\$	60220	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Waste and Other Services Subtotal				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.3	0	0	0	0	0	0	0			
Other																																
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0			
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Other Subtotal				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				

Notes:
 - All results are rounded to two significant digits
 - Groundwater extracted refers to Groundwater extracted on-site that is not reinjected to an aquifer of similar quality
 - All water refers to all water of any variety used on-site that is not returned to its original source. This can include potable water, groundwater, surface water, reclaimed water, etc.
 - Air toxics refers to Hazardous Air Pollutant (HAPs) as defined by EPA

Level 1 (Site Invest.) Total On-Site and Off-Site Parameters - Alternative 3 v1																	
	Quantity Used	Parameters															
		Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins	
		Used Mbtu	Used MWh	Used gal x 1000	Used gal x 1000	Extracted gal x 1000	Emitted lbs	Emitted lbs	Emitted lbs	Emitted lbs	Generated tons	Generated tons	Emitted lbs	Released lbs	Released lbs	Released lbs	
Totals			610,000.	30.	35.	0.5	0	91,000.	350.	190.	8.9	0.00019	1.3	13.	0.000078	0.00093	0.0000000001
Energy																	
Diesel (on-site)	gal	248.192	34,000.	0	0	0	0	5,600.	42.	1.3	0.84	0	0	0.074	0	0	0
Gasoline (on-site use)	gal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural gas (on-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel (off-site use)	gal	76.0376	11,000.	0	0	0	0	1,700.	13.	0.41	0.26	0	0	0.023	0	0	0
Gasoline (off-site use)	gal	143.2	18,000.	0	0	0	0	2,800.	16.	0.64	0.077	0	0	0.043	0	0	0
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site electricity use	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity transmission*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity production*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Energy Subtotal			63,000.	0	0	0	0	10,000.	71.	2.4	1.2	0	0	0.14	0	0	0
Materials																	
PVC	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gravel/sand	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cement Grout	dry-ton	0.85	3,500.	0.11	0.35	0	0	1,500.	3.1	1.8	0.0054	0	0	0.049	0.000048	0.00011	0.000000000072
Concrete	tons	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bentonite	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Produced	gal	324.2296	6,000.	0.19	0.25	0	0	880.	2.1	4.2	0.11	0.00012	0	0.039	0.000016	0.00049	0.0000000000097
Gasoline Produced	gal	143.2	3,000.	0.084	0.11	0	0	630.	1.1	2.7	0.074	0.00006	0	0.023	0.000012	0.00032	0.0000000000044
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Groundwater Extracted On-site	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Produced	gal x 1000	0.5	4.6	0.00022	0.011	0	0	2.5	0.0049	0.003	0.008	0.0000042	0	0.0000075	0.000000041	0.000000034	0.0000000000005
Potable Water Transported	gal x 1000	0.5	3.7	0.00032	0.0024	0	0	0.26	0.00027	0.0022	0.000028	0.0000029	0	0	0.0000013	0.000000019	0.00000000000015
Potable Water Used	gal x 1000	0.5	0	0	0.5	0.5	0	0	0	0	0	0	0	0	0	0	0
Other On-Site Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials Subtotal			13,000.	0.38	1.2	0.5	0	3,000.	6.3	8.7	0.2	0.00018	0	0.11	0.000077	0.00092	0.000000000086
Waste and Other Services																	
Off-site waste water treatment	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Generation	ton	1.34	0	0	0	0	0	0	0	0	0	0	1.3	0	0	0	0
Hazardous Waste Disposal	ton	1.34	240.	0.011	0.22	0	0	37.	0.21	0.11	0.59	0.000012	0	0.0021	0.0000014	0.000011	0.0000000000018
Laboratory Analysis	\$	60220	530,000.	30.	34.	0	0	78,000.	270.	180.	6.9	0	0	13.	0	0	0
Waste and Other Services Subtotal			530,000.	30.	34.	0	0	78,000.	270.	180.	7.5	0.000012	1.3	13.	0.000014	0.000011	0.0000000000018
Other																	
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Subtotal			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Notes:
 - All results are rounded to two significant digits
 - All water refers to all water of any variety (excluding sea water) that is used. This can include potable water, groundwater, surface water, reclaimed water, etc.
 - Air toxics refers to Hazardous Air Pollutant (HAPs) as defined by EPA
 - Mercury, lead, and dioxins released refers to releases to air and water

Level 2 (Excavation) Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 3 v1																															
	Quantity Used	Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
		Conv. Factor	Used Mbtu	Conv. Factor	Used MWh	Conv. Factor	Used gal x 1000	Conv. Factor	Used gal x 1000	Conv. Factor	Extracted gal x 1000	Conv. Factor	Emitted lbs	Conv. Factor	Emitted lbs	Conv. Factor	Emitted lbs	Conv. Factor	Emitted lbs	Conv. Factor	Generated tons	Conv. Factor	Generated tons	Conv. Factor	Emitted lbs	Conv. Factor	Released lbs	Conv. Factor	Released lbs	Conv. Factor	Released lbs
Totals			85,000.		0		0		0		0	14,000.		100.		3.3		2.1		0		6,100.		0.18		0		0		0	
Energy																															
Diesel (on-site)	gal	614.58432	139	85,000.	0	0	0	0	0	0	0	22.5	14,000.	0.17	100.	0.0054	3.3	0.0034	2.1	0	0	0	0	0.0003	0.18	0	0	0	0	0	
Gasoline (on-site use)	gal	0	124	0	0	0	0	0	0	0	0	19.6	0	0.11	0	0.0045	0	0.0005	0	0	0	0	0	0.0003	0	0	0	0	0	0	
Natural gas (on-site use)	ccf	0	103	0	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0.29	0	0	0	0	0	0	
Diesel (off-site use)	gal	26422.54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Gasoline (off-site use)	gal	307.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
On-site electricity use	MWh	0	3413	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Electricity transmission*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Electricity production*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Energy Subtotal			85,000.		0		0		0		0	14,000.		100.		3.3		2.1		0		6,100.		0.18		0		0		0	
Materials																															
PVC	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Gravel/sand	ton	5625	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Cement Grout	dry-ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Concrete	tons	349.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bentonite	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Diesel Produced	gal	27037.124	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Gasoline Produced	gal	307.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Groundwater Extracted On-site	gal x 1000	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Potable Water Produced	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Potable Water Transported	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Potable Water Used	gal x 1000	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Other On-Site Water Used	gal x 1000	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Materials Subtotal			0		0		0		0		0	0		0		0		0		0		0		0		0		0		0	
Waste and Other Services																															
Off-site waste water treatment	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Hazardous Waste Generation	ton	6148.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6,100.	0	0	0	0	0	0	0	0	
Hazardous Waste Disposal	ton	6148.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Laboratory Analysis	\$	7100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Waste and Other Services Subtotal			0		0		0		0		0	0		0		0		0		0		6,100.		0		0		0		0	
Other																															
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Other Subtotal			0		0		0		0		0	0		0		0		0		0		0		0		0		0		0	

Notes:
 - All results are rounded to two significant digits
 - Groundwater extracted refers to Groundwater extracted on-site that is not reinjected to an aquifer of similar quality
 - All water refers to all water of any variety used on-site that is not returned to its original source. This can include potable water, groundwater, surface water, reclaimed water, etc.
 - Air toxics refers to Hazardous Air Pollutant (HAPs) as defined by EPA

		Level 2 (Excavation) Total On-Site and Off-Site Parameters - Alternative 3 v1														
	Quantity Used	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
		Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
		Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Totals		6,100,000.	96.	1,800.	0	0	1,000,000.	6,200.	1,300.	2,800.	0.064	6,100.	26.	0.011	0.1	0.000000087
Energy																
Diesel (on-site)	gal	614.58432	85,000.	0	0	0	14,000.	100.	3.3	2.1	0	0	0.18	0	0	0
Gasoline (on-site use)	gal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural gas (on-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel (off-site use)	gal	26422.54	3,700,000.	0	0	0	590,000.	4,500.	140.	90.	0	0	7.9	0	0	0
Gasoline (off-site use)	gal	307.2	38,000.	0	0	0	6,000.	34.	1.4	0.17	0	0	0.092	0	0	0
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site electricity use	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity transmission*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity production*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Energy Subtotal		3,800,000.	0	0	0	0	610,000.	4,600.	140.	92.	0	0	8.2	0	0	0
Materials																
PVC	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gravel/sand	ton	5625	310,000.	15.	730.	0	38,000.	190.	170.	23.	0	0	0.0023	0.00000036	0.0000068	0.0000000000084
Cement Grout	dry-ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Concrete	tons	349.2	280,000.	9.1	66.	0	120,000.	240.	140.	1.5	0.0000098	0	3.8	0.0035	0.0084	0.0000000056
Bentonite	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Produced	gal	27037.124	500,000.	16.	21.	0	73,000.	170.	350.	9.2	0.0097	0	3.2	0.0013	0.041	0.00000000081
Gasoline Produced	gal	307.2	6,500.	0.18	0.24	0	1,400.	2.5	5.8	0.16	0.00013	0	0.049	0.000026	0.00068	0.0000000000095
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Groundwater Extracted On-site	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Produced	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Transported	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other On-Site Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials Subtotal		1,100,000.	40.	820.	0	0	230,000.	600.	670.	34.	0.0098	0	7.1	0.0048	0.05	0.000000064
Waste and Other Services																
Off-site waste water treatment	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Generation	ton	6148.8	0	0	0	0	0	0	0	0	6,100.	0	0	0	0	0
Hazardous Waste Disposal	ton	6148.8	1,100,000.	52.	1,000.	0	170,000.	950.	510.	2,700.	0.054	0	9.5	0.0066	0.051	0.000000081
Laboratory Analysis	\$	7100	62,000.	3.6	4.	0	9,200.	32.	21.	0.81	0	0	1.5	0	0	0
Waste and Other Services Subtotal		1,200,000.	56.	1,000.	0	0	180,000.	980.	530.	2,700.	0.054	6,100.	11.	0.0066	0.051	0.000000081
Other																
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Subtotal		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Notes:
 - All results are rounded to two significant digits
 - All water refers to all water of any variety (excluding sea water) that is used. This can include potable water, groundwater, surface water, reclaimed water, etc.
 - Air toxics refers to Hazardous Air Pollutant (HAPs) as defined by EPA
 - Mercury, lead, and dioxins released refers to releases to air and water

Level 3 (Construction) Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 3 v1																															
	Quantity Used	Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
		Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Extracted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Generated	Conv. Factor	Generated	Conv. Factor	Emitted	Conv. Factor	Released	Conv. Factor	Released	Conv. Factor	Released
			Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs
Totals			1,300,000.		0		36.		8.5		27.		210,000.		1,600.		51.		32.		0		150.		2.8		0		0		0
Energy																															
Diesel (on-site)	gal	9413.6	139	1,300,000.	0	0	0	0	0	0	0	22.5	210,000.	0.17	1,600.	0.0054	51.	0.0034	32.	0	0	0	0	0.0003	2.8	0	0	0	0	0	0
Gasoline (on-site use)	gal	0	124	0	0	0	0	0	0	0	0	19.6	0	0.11	0	0.0045	0	0.0005	0	0	0	0	0	0.0003	0	0	0	0	0	0	0
Natural gas (on-site use)	ccf	0	103	0	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0.29	0	0	0	0	0	0	0
Diesel (off-site use)	gal	973.5792	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gasoline (off-site use)	gal	2507.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site electricity use	MWh	0	3413	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity transmission*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity production*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Energy Subtotal			1,300,000.		0		0		0		0		210,000.		1,600.		51.		32.		0		0		2.8		0		0		0
Materials																															
PVC	lb	9329.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Steel	lb	8704	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gravel/sand	ton	26.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cement Grout	dry-ton	66.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Concrete	tons	26.0304	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bentonite	ton	0.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Produced	gal	10387.179	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gasoline Produced	gal	2507.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Groundwater Extracted On-site	gal x 1000	27.2	0	0	0	1	27.	0	0	1	27.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Produced	gal x 1000	8.54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Transported	gal x 1000	8.54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Used	gal x 1000	8.54	0	0	0	1	8.5	1	8.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other On-Site Water Used	gal x 1000	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials Subtotal			0		0		36.		8.5		27.		0		0		0		0		0		0		0		0		0		0
Waste and Other Services																															
Off-site waste water treatment	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Generation	ton	149.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	150.	0	0	0	0	0	0	0	0
Hazardous Waste Disposal	ton	149.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Laboratory Analysis	\$	1400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste and Other Services Subtotal			0		0		0		0		0		0		0		0		0		0		150.		0		0		0		0
Other																															
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Subtotal			0		0		0		0		0		0		0		0		0		0		0		0		0		0		0

- Notes:**
- All results are rounded to two significant digits
 - Groundwater extracted refers to Groundwater extracted on-site that is not reinjected to an aquifer of similar quality
 - All water refers to all water of any variety used on-site that is not returned to its original source. This can include potable water, groundwater, surface water, reclaimed water, etc.
 - Air toxics refers to Hazardous Air Pollutant (HAPs) as defined by EPA

Level 3 (Construction) Total On-Site and Off-Site Parameters - Alternative 3 v1																
	Quantity Used															
		Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
		Used Mbtu	Used MWh	Used gal x 1000	Used gal x 1000	Extracted gal x 1000	Emitted lbs	Emitted lbs	Emitted lbs	Emitted lbs	Generated tons	Generated tons	Emitted lbs	Released lbs	Released lbs	Released lbs
Totals		2,600,000.	26.	180.	8.5	27.	510,000.	2,500.	510.	120.	2.2	150.	15.	0.0091	0.055	0.000064
Energy																
Diesel (on-site)	gal	9413.6	1,300,000.	0	0	0	210,000.	1,600.	51.	32.	0	0	2.8	0	0	0
Gasoline (on-site use)	gal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural gas (on-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel (off-site use)	gal	973.5792	140,000.	0	0	0	22,000.	170.	5.3	3.3	0	0	0.29	0	0	0
Gasoline (off-site use)	gal	2507.6	310,000.	0	0	0	49,000.	280.	11.	1.4	0	0	0.75	0	0	0
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site electricity use	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity transmission*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity production*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Energy Subtotal		1,800,000.	0	0	0	0	280,000.	2,100.	67.	37.	0	0	3.8	0	0	0
Materials																
PVC	lb	9329.6	210,000.	5.2	64.	0	38,000.	45.	71.	11.	0.021	0.015	4.4	0.0032	0.0012	0.000064
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Steel	lb	8704	38,000.	1.8	5.6	0	9,600.	12.	15.	4.9	2.2	0	0.58	0.00087	0.022	0.000000057
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gravel/sand	ton	26.4	1,500.	0.071	3.4	0	180.	0.87	0.79	0.11	0	0	0.000011	0.0000000017	0.000000032	0.00000000000004
Cement Grout	dry-ton	66.9	270,000.	8.7	27.	0	120,000.	240.	140.	0.42	0	0	3.9	0.0038	0.0087	0.0000000057
Concrete	tons	26.0304	21,000.	0.68	4.9	0	8,700.	18.	11.	0.11	0.0000073	0	0.29	0.00026	0.00062	0.0000000042
Bentonite	ton	0.7	39.	0.0019	0.091	0	4.7	0.023	0.021	0.0028	0	0	0.00000029	0.00000000045	0.00000000084	0.000000000000011
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Produced	gal	10387.179	190,000.	6.1	8.	0	28,000.	66.	140.	3.5	0.0037	0	1.2	0.0005	0.016	0.0000000031
Gasoline Produced	gal	2507.6	53,000.	1.5	2.	0	11,000.	20.	48.	1.3	0.0011	0	0.4	0.00021	0.0055	0.00000000078
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Groundwater Extracted On-site	gal x 1000	27.2	0	0	27.	27.	0	0	0	0	0	0	0	0	0	0
Potable Water Produced	gal x 1000	8.54	79.	0.0038	0.18	0	43.	0.083	0.05	0.14	0.000071	0	0.00013	0.00000007	0.00000057	0.000000000000085
Potable Water Transported	gal x 1000	8.54	63.	0.0055	0.04	0	4.4	0.0046	0.037	0.00048	0.000005	0	0	0.000023	0.00000033	0.00000000000029
Potable Water Used	gal x 1000	8.54	0	0	8.5	8.5	0	0	0	0	0	0	0	0	0	0
Other On-Site Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials Subtotal		780,000.	24.	150.	8.5	27.	220,000.	400.	430.	21.	2.2	0.015	11.	0.0089	0.054	0.000064
Waste and Other Services																
Off-site waste water treatment	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Generation	ton	149.6	0	0	0	0	0	0	0	0	0	150.	0	0	0	0
Hazardous Waste Disposal	ton	149.6	26,000.	1.3	25.	0	4,100.	23.	12.	66.	0.0013	0	0.23	0.00016	0.0013	0.000000002
Laboratory Analysis	\$	1400	12,000.	0.7	0.78	0	1,800.	6.3	4.2	0.16	0	0	0.29	0	0	0
Waste and Other Services Subtotal		38,000.	2.	26.	0	0	5,900.	29.	16.	66.	0.0013	150.	0.52	0.00016	0.0013	0.000000002
Other																
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Subtotal		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Notes:
 - All results are rounded to two significant digits
 - All water refers to all water of any variety (excluding sea water) that is used. This can include potable water, groundwater, surface water, reclaimed water, etc.
 - Air toxics refers to Hazardous Air Pollutant (HAPs) as defined by EPA
 - Mercury, lead, and dioxins released refers to releases to air and water

		Level 4 (O&M) Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 3 v1																																
Quantity Used		Energy			Electricity			All Water			Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
		Conv. Factor	Used		Conv. Factor	Used		Conv. Factor	Used		Conv. Factor	Used	Conv. Factor	Extracted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Generated	Conv. Factor	Generated	Conv. Factor	Emitted	Conv. Factor	Released	Conv. Factor	Released	Conv. Factor	Released
			Mbtu		MWh		gal x 1000		gal x 1000		gal x 1000		lbs		lbs		lbs		lbs		tons		tons		lbs		lbs		lbs		lbs		lbs	
Totals			46,000.		13.		6,800.		6,800.		0		0		0		0		0		0		0		0		0		0		0		0	
Energy																																		
Diesel (on-site)	gal	0	139	0	0	0	0	0	0	0	0	0	22.5	0	0.17	0	0.0054	0	0.0034	0	0	0	0	0	0	0	0	0.0003	0	0	0	0	0	0
Gasoline (on-site use)	gal	0	124	0	0	0	0	0	0	0	0	0	19.6	0	0.11	0	0.0045	0	0.0005	0	0	0	0	0	0	0	0.0003	0	0	0	0	0	0	
Natural gas (on-site use)	ccf	0	103	0	0	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0	0	0.29	0	0	0	0	0	0	
Diesel (off-site use)	gal	35860.666	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Gasoline (off-site use)	gal	7392	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
On-site electricity use	MWh	13.44	3413	46,000.	1	13.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Electricity transmission*	MWh	13.44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Electricity production*	MWh	13.44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Energy Subtotal			46,000.		13.		0		0		0		0		0		0		0		0		0		0		0		0		0		0	
Materials																																		
PVC	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Gravel/sand	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Cement Grout	dry-ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Concrete	tons	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bentonite	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bioinjection (Molasses)	lbs	2612088	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bioinjection (Cheese Whey)	lbs	1200960	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Diesel Produced	gal	35860.666	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Gasoline Produced	gal	7392	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Groundwater Extracted On-site	gal x 1000	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Potable Water Produced	gal x 1000	6840	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Potable Water Transported	gal x 1000	6840	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Potable Water Used	gal x 1000	6840	0	0	0	1	6,800.	1	6,800.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other On-Site Water Used	gal x 1000	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Materials Subtotal			0		0		6,800.		6,800.		0		0		0		0		0		0		0		0		0		0		0		0	
Waste and Other Services																																		
Off-site waste water treatment	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Hazardous Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	
Hazardous Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Laboratory Analysis	\$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Waste and Other Services Subtotal			0		0		0		0		0		0		0		0		0		0		0		0		0		0		0		0	
Other																																		
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0		
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Other Subtotal			0		0		0		0		0		0		0		0		0		0		0		0		0		0		0		0	

Notes:

- All results are rounded to two significant digits
- Groundwater extracted refers to Groundwater extracted on-site that is not reinjected to an aquifer of similar quality
- All water refers to all water of any variety used on-site that is not returned to its original source. This can include potable water, groundwater, surface water, reclaimed water, etc.
- Air toxics refers to Hazardous Air Pollutant (HAPs) as defined by EPA

Level 4 (O&M) Total On-Site and Off-Site Parameters - Alternative 3 v1																	
	Quantity Used	Level 4 (O&M) Total On-Site and Off-Site Parameters - Alternative 3 v1															
		Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins	
		Used Mbtu	Used MWh	Used gal x 1000	Used gal x 1000	Extracted gal x 1000	Emitted lbs	Emitted lbs	Emitted lbs	Emitted lbs	Generated tons	Generated tons	Emitted lbs	Released lbs	Released lbs	Released lbs	
Totals			13,000,000.	61.	7,300.	6,800.	0	3,500,000.	25,000.	19,000.	620.	0.038	0	19.	0.02	0.071	0.0000000023
Energy																	
Diesel (on-site)	gal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gasoline (on-site use)	gal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural gas (on-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel (off-site use)	gal	35860.666	5,000,000.	0	0	0	0	810,000.	6,100.	190.	120.	0	0	11.	0	0	0
Gasoline (off-site use)	gal	7392	920,000.	0	0	0	0	140,000.	810.	33.	4.	0	0	2.2	0	0	0
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site electricity use	MWh	13.44	46,000.	13.	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity transmission*	MWh	13.44	5,500.	1.6	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity production*	MWh	13.44	100,000.	0.81	98.	0	0	11,000.	11.	90.	1.2	0.012	0	0.23	0.000035	0.00042	0.0000000012
Energy Subtotal			6,100,000.	15.	98.	0	0	960,000.	6,900.	310.	130.	0.012	0	13.	0.000035	0.00042	0.0000000012
Materials																	
PVC	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gravel/sand	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cement Grout	dry-ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Concrete	tons	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bentonite	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Molasses)	lbs	2612088	3,400,000.	13.	240.	0	0	1,000,000.	7,800.	6,800.	160.	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	1200960	2,200,000.	0	0	0	0	1,300,000.	10,000.	12,000.	200.	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Produced	gal	35860.666	660,000.	21.	28.	0	0	97,000.	230.	470.	12.	0.013	0	4.3	0.0017	0.054	0.0000000011
Gasoline Produced	gal	7392	160,000.	4.4	5.8	0	0	33,000.	59.	140.	3.8	0.0031	0	1.2	0.00063	0.016	0.0000000023
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Groundwater Extracted On-site	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Produced	gal x 1000	6840	63,000.	3.	140.	0	0	34,000.	66.	40.	110.	0.0057	0	0.1	0.000056	0.00046	0.0000000068
Potable Water Transported	gal x 1000	6840	51,000.	4.4	32.	0	0	3,500.	3.7	30.	0.38	0.004	0	0.018	0.00027	0.0000000002	
Potable Water Used	gal x 1000	6840	0	0	6,800.	6,800.	0	0	0	0	0	0	0	0	0	0	0
Other On-Site Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials Subtotal			6,500,000.	46.	7,200.	6,800.	0	2,500,000.	18,000.	19,000.	490.	0.026	0	5.6	0.02	0.071	0.0000000022
Waste and Other Services																	
Off-site waste water treatment	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Laboratory Analysis	\$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste and Other Services Subtotal			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other																	
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Subtotal			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Notes:
 - All results are rounded to two significant digits
 - All water refers to all water of any variety (excluding sea water) that is used. This can include potable water, groundwater, surface water, reclaimed water, etc.
 - Air toxics refers to Hazardous Air Pollutant (HAPs) as defined by EPA
 - Mercury, lead, and dioxins released refers to releases to air and water

		Level 5 (LTM) Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 3 v1																														
		Quantity Used	Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
			Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Extracted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Generated	Conv. Factor	Generated	Conv. Factor	Emitted	Conv. Factor	Released	Conv. Factor	Released	Conv. Factor	Released
Totals																																
			16,000.		0		0		0		0		2,500.		14.		0.57		0.069		0		0		0.038		0		0		0	
Energy																																
Diesel (on-site)	gal	0	139	0	0	0	0	0	0	0	0	22.5	0	0.17	0	0.0054	0	0.0034	0	0	0	0	0	0.0003	0	0	0	0	0	0		
Gasoline (on-site use)	gal	127.2	124	16,000.	0	0	0	0	0	0	0	19.6	2,500.	0.11	14.	0.0045	0.57	0.0005	0.069	0	0	0	0	0.0003	0.038	0	0	0	0			
Natural gas (on-site use)	ccf	0	103	0	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0.029	0	0	0	0	0			
Diesel (off-site use)	gal	16.5375	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Gasoline (off-site use)	gal	844.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
On-site electricity use	MWh	0	3413	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Electricity transmission*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Electricity production*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Energy Subtotal			16,000.		0		0		0		0		2,500.		14.		0.57		0.069		0		0		0.038		0		0	0		
Materials																																
PVC	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Steel	lb	6615	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Gravel/sand	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Cement Grout	dry-ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Concrete	tons	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Bentonite	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Diesel Produced	gal	16.5375	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Gasoline Produced	gal	972	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Groundwater Extracted On-site	gal x 1000	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Potable Water Produced	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Potable Water Transported	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Potable Water Used	gal x 1000	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Other On-Site Water Used	gal x 1000	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Materials Subtotal			0		0		0		0		0		0		0		0		0		0		0		0		0		0	0		
Waste and Other Services																																
Off-site waste water treatment	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0			
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Hazardous Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0			
Hazardous Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Laboratory Analysis	\$	770400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Waste and Other Services Subtotal			0		0		0		0		0		0		0		0		0		0		0		0		0		0	0		
Other																																
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0			
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Other Subtotal			0		0		0		0		0		0		0		0		0		0		0		0		0		0	0		

- Notes:
 - All results are rounded to two significant digits
 - Groundwater extracted refers to Groundwater extracted on-site that is not reinjected to an aquifer of similar quality
 - All water refers to all water of any variety used on-site that is not returned to its original source. This can include potable water, groundwater, surface water, reclaimed water, etc.
 - Air toxics refers to Hazardous Air Pollutant (HAPs) as defined by EPA

Level 5 (LTM) Parameters Used, Extracted, Emitted, or Generated Off-Site - Alternative 3 v1																																		
	Quantity Used																																	
		Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins				
		Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Generated	Conv. Factor	Generated	Conv. Factor	Emitted	Conv. Factor	Released	Conv. Factor	Released	Conv. Factor	Released			
		Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs					
Totals			6,900,000.		390.		440.		0		0		1,000,000.		3,600.		2,300.		93.		1.7		0		160.		0.00074		0.019		0.00000043			
Energy																																		
Diesel (on-site)	gal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Gasoline (on-site use)	gal	127.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Natural gas (on-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Diesel (off-site use)	gal	16.5375	139	2,300.	0	0	0	0	0	0	22.5	370.	0.17	2.8	0.0054	0.089	0.0034	0.056	0	0	0	0	0	0.0003	0.005	0	0	0	0	0				
Gasoline (off-site use)	gal	844.8	124	100,000.	0	0	0	0	0	0	19.6	17,000.	0.11	93.	0.0045	3.8	0.0005	0.46	0	0	0	0	0	0.0003	0.25	0	0	0	0	0				
Natural gas (off-site use)	ccf	0	103	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0	0.29	0	0	0	0	0	0				
On-site electricity use	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Electricity transmission*	MWh	0	410	0	0.12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Electricity production*	MWh	0	7800	0	0.06	0	7.3	0	0	0	0	0	0	0	800	0	0.84	0	6.7	0	0.087	0	0.0009	0	0	0	0	0.017	0	3E-06	0	3E-05	0	9E-12
Energy Subtotal			100,000.		0		0		0		0		17,000.		96.		3.9		0.52		0		0		0.26		0		0		0			
Materials																																		
PVC	lb	0	22	0	0.0006	0	0.0069	0	0	0	4.1	0	0.0048	0	0.0076	0	0.0012	0	2E-06	0	2E-06	0	0.0005	0	3E-07	0	1E-07	0	7E-09	0				
HDPE	lb	0	31	0	0.0003	0	0.0023	0	0	0	1.9	0	0.0032	0	0.0041	0	0.0006	0	4E-07	0	1E-06	0	0.0003	0	3E-09	0	2E-09	0	1E-09	0				
Steel	lb	6615	4.4	29,000.	0.0002	1.4	0.0006	4.2	0	0	1.1	7,300.	0.0014	9.3	0.0017	11.	0.0006	3.7	0.0003	1.7	0	0	0.0003	0.44	1E-07	0.00066	3E-06	0.017	7E-12	0.000000043				
Stainless Steel	lb	0	11.6	0	0.0006	0	0.0023	0	0	0	3.4	0	0.0075	0	0.012	0	0.0044	0	0.0006	0	0	0	0.0001	0	5E-07	0	2E-12	0	0	0				
Gravel/sand	ton	0	55	0	0.0027	0	0.13	0	0	0	6.7	0	0.033	0	0.03	0	0.004	0	0	0	0	0	0	0	4E-07	0	6E-11	0	1E-09	0	2E-16			
Cement Grout	dry-ton	0	4100	0	0.13	0	0.41	0	0	0	1800	0	3.6	0	2.1	0	0.0063	0	0	0	0	0	0.058	0	6E-05	0	0.0001	0	9E-11	0				
Concrete	tons	0	793	0	0.026	0	0.19	0	0	0	335	0	0.68	0	0.41	0	0.0044	0	3E-08	0	0	0	0	0.011	0	1E-05	0	2E-05	0	2E-11	0			
Bentonite	ton	0	55	0	0.0027	0	0.13	0	0	0	6.7	0	0.033	0	0.03	0	0.004	0	0	0	0	0	0	0	4E-07	0	6E-11	0	1E-09	0	2E-16			
Regenerated GAC	lbs	0	9.6	0	0.0004	0	0.0064	0	0	0	2	0	0.025	0	0.015	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Bioinjection (Molasses)	lbs	0	1.31	0	5E-06	0	9E-05	0	0	0	0.4	0	0.003	0	0.0026	0	6E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Bioinjection (Cheese Whey)	lbs	0	1.87	0	0	0	0	0	0	0	1.1	0	0.0083	0	0.0099	0	0.0002	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Bioinjection (Vegetable Oil)	lbs	0	3.6	0	6E-05	0	2E-05	0	0	0	3.51	0	0.0265	0	0.031	0	0.0017	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Diesel Produced	gal	16.5375	18.5	310.	0.0006	0.0098	0.0008	0.013	0	0	2.7	45.	0.0064	0.11	0.013	0.21	0.0003	0.0056	4E-07	0.000006	0	0	0.0001	0.002	0.02	5E-08	0.00000079	2E-06	0.000025	3E-14	0.000000000005			
Gasoline Produced	gal	972	21	20,000.	0.0006	0.57	0.0008	0.77	0	0	4.4	4,300.	0.008	7.8	0.019	18.	0.0005	0.51	4E-07	0.00041	0	0	0.0002	0.16	9E-08	0.000083	2E-06	0.0021	3E-14	0.00000000003				
Natural Gas Produced	ccf	0	5.2	0	0.0003	0	8E-05	0	0	0	2.2	0	0.0037	0	0.0046	0	7E-05	0	0	0	0	0	0	0	6E-06	0	2E-08	0	9E-07	0	5E-14			
Groundwater Extracted On-site	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Potable Water Produced	gal x 1000	0	9.2	0	0.0004	0	0.021	0	0	0	5	0	0.0097	0	0.0059	0	0.016	0	8E-07	0	0	0	0	0	2E-05	0	8E-09	0	7E-08	0	1E-13			
Potable Water Transported	gal x 1000	0	7.4	0	0.0006	0	0.0047	0	0	0	0.5168	0	0.0005	0	0.0043	0	6E-05	0	6E-07	0	0	0	0	0	0	3E-06	0	4E-08	0	3E-14	0			
Potable Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Other On-Site Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Materials Subtotal			49,000.		2.		5.		0		0		12,000.		17.		29.		4.2		1.7		0		0.6		0.00074		0.019		0.00000043			
Waste and Other Services																																		
Off-site waste water treatment	gal x 1000	0	3.7	0	0.0002	0	0.0008	0	0	0	3	0	0.0061	0	0.0029	0	8E-05	0	5E-07	0	0	0	0.0001	0	8E-08	0	6E-07	0	1E-12	0				
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Solid Waste Disposal	ton	0	160	0	0.0077	0	0.15	0	0	0	25	0	0.14	0	0.075	0	0.4	0	8E-06	0	0	0	0.0014	0	1E-06	0	8E-06	0	1E-11	0	0			
Hazardous Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Hazardous Waste Disposal	ton	0	176	0	0.0085	0	0.165	0	0	0	27.5	0	0.154	0	0.0825	0	0.44	0	9E-06	0	0	0	0.0015	0	1E-06	0	8E-06	0	1E-11	0	0			
Laboratory Analysis	\$	770400	8.8	6,800,000.	0.0005	390.	0.0006	430.	0	0	1.3	1,000,000.	0.0045	3,500.	0.003	2,300.	0.0001	88.	0	0	0	0	0.0002	160.	0	0	0	0	0	0	0			
Waste and Other Services Subtotal			6,800,000.		390.		430.		0		1,000,000.		3,500.		2,300.		88.		0		0		0		160.		0		0		0			
Other																																		
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
On-site process emissions (GHGs)	lbs CO2e	0																																

		Level 5 (LTM) Total On-Site and Off-Site Parameters - Alternative 3 v1														
	Quantity Used	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
		Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
		Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Totals		7,000,000.	390.	440.	0	0	1,000,000.	3,600.	2,300.	93.	1.7	0	160.	0.00074	0.019	0.000000043
Energy																
Diesel (on-site)	gal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gasoline (on-site use)	gal	127.2	16,000.	0	0	0	2,500.	14.	0.57	0.069	0	0	0.038	0	0	0
Natural gas (on-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel (off-site use)	gal	16.5375	2,300.	0	0	0	370.	2.8	0.089	0.056	0	0	0.005	0	0	0
Gasoline (off-site use)	gal	844.8	100,000.	0	0	0	17,000.	93.	3.8	0.46	0	0	0.25	0	0	0
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site electricity use	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity transmission*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity production*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Energy Subtotal		120,000.	0	0	0	0	20,000.	110.	4.5	0.59	0	0	0.29	0	0	0
Materials																
PVC	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Steel	lb	6615	29,000.	1.4	4.2	0	7,300.	9.3	11.	3.7	1.7	0	0.44	0.00066	0.017	0.000000043
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gravel/sand	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cement Grout	dry-ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Concrete	tons	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bentonite	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Produced	gal	16.5375	310.	0.0098	0.013	0	45.	0.11	0.21	0.0056	0.000006	0	0.002	0.0000079	0.000025	0.000000000005
Gasoline Produced	gal	972	20,000.	0.57	0.77	0	4,300.	7.8	18.	0.51	0.00041	0	0.16	0.000083	0.0021	0.000000000003
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Groundwater Extracted On-site	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Produced	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Transported	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other On-Site Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials Subtotal		49,000.	2.	5.	0	0	12,000.	17.	29.	4.2	1.7	0	0.6	0.00074	0.019	0.000000043
Waste and Other Services																
Off-site waste water treatment	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Laboratory Analysis	\$	770400	6,800,000.	390.	430.	0	1,000,000.	3,500.	2,300.	88.	0	0	160.	0	0	0
Waste and Other Services Subtotal			6,800,000.	390.	430.	0	1,000,000.	3,500.	2,300.	88.	0	0	160.	0	0	0
Other																
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Subtotal		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Notes:
 - All results are rounded to two significant digits
 - All water refers to all water of any variety (excluding sea water) that is used. This can include potable water, groundwater, surface water, reclaimed water, etc.
 - Air toxics refers to Hazardous Air Pollutant (HAPs) as defined by EPA
 - Mercury, lead, and dioxins released refers to releases to air and water

Quantity Used		Level 6 (Decomm.) Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 3 v1																													
		Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
		Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Generated	Conv. Factor	Generated	Conv. Factor	Emitted	Conv. Factor	Released	Conv. Factor	Released
		Mbtu	MWh	gal x 1000		gal x 1000		gal x 1000		lbs		lbs		lbs		lbs		tons		tons		lbs		lbs		lbs		lbs			
Totals			3,100.		0		1.9		1.9		0		500.		3.8		0.12		0.076		0		0		0.0067		0		0		0
Energy																															
Diesel (on-site)	gal	22.4	139	3,100.	0	0	0	0	0	0	0	22.5	500.	0.17	3.8	0.0054	0.12	0.0034	0.076	0	0	0	0	0.0003	0.0067	0	0	0	0	0	0
Gasoline (on-site use)	gal	0	124	0	0	0	0	0	0	0	0	19.6	0	0.11	0	0.0045	0	0.0005	0	0	0	0	0	0.0003	0	0	0	0	0	0	
Natural gas (on-site use)	ccf	0	103	0	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0.29	0	0	0	0	0	0	
Diesel (off-site use)	gal	7.35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Gasoline (off-site use)	gal	288	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
On-site electricity use	MWh	0	3413	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Electricity transmission*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Electricity production*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Energy Subtotal			3,100.		0		0		0		0		500.		3.8		0.12		0.076		0		0		0.0067		0		0		0
Materials																															
PVC	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Gravel/sand	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Cement Grout	dry-ton	14.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Concrete	tons	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bentonite	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Diesel Produced	gal	29.75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Gasoline Produced	gal	288	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Groundwater Extracted On-site	gal x 1000	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Potable Water Produced	gal x 1000	1.877	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Potable Water Transported	gal x 1000	1.877	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Potable Water Used	gal x 1000	1.877	0	0	0	1	1.9	1	1.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Other On-Site Water Used	gal x 1000	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Materials Subtotal			0		0		1.9		1.9		0		0		0		0		0		0		0		0		0		0		0
Waste and Other Services																															
Off-site waste water treatment	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Hazardous Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	
Hazardous Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Laboratory Analysis	\$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Waste and Other Services Subtotal			0		0		0		0		0		0		0		0		0		0		0		0		0		0		0
Other																															
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Other Subtotal			0		0		0		0		0		0		0		0		0		0		0		0		0		0		0

Notes:
 - All results are rounded to two significant digits
 - Groundwater extracted refers to Groundwater extracted on-site that is not reinjected to an aquifer of similar quality
 - All water refers to all water of any variety used on-site that is not returned to its original source. This can include potable water, groundwater, surface water, reclaimed water, etc.
 - Air toxics refers to Hazardous Air Pollutant (HAPs) as defined by EPA

		Level 6 (Decomm.) Total On-Site and Off-Site Parameters - Alternative 3 v1														
	Quantity Used	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
		Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
		Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Totals		110,000.	2.1	8.2	1.9	0	33,000.	93.	39.	0.54	0.00013	0	1.	0.00087	0.0026	0.0000000012
Energy																
Diesel (on-site)	gal	22.4	3,100.	0	0	0	500.	3.8	0.12	0.076	0	0	0.0067	0	0	0
Gasoline (on-site use)	gal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural gas (on-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel (off-site use)	gal	7.35	1,000.	0	0	0	170.	1.2	0.04	0.025	0	0	0.0022	0	0	0
Gasoline (off-site use)	gal	288	36,000.	0	0	0	5,600.	32.	1.3	0.16	0	0	0.086	0	0	0
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site electricity use	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity transmission*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity production*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Energy Subtotal		40,000.	0	0	0	0	6,300.	37.	1.5	0.26	0	0	0.095	0	0	0
Materials																
PVC	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gravel/sand	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cement Grout	dry-ton	14.7	60,000.	1.9	6.	0	26,000.	53.	31.	0.093	0	0	0.85	0.00084	0.0019	0.0000000012
Concrete	tons	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bentonite	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Produced	gal	29.75	550.	0.018	0.023	0	80.	0.19	0.39	0.01	0.000011	0	0.0036	0.0000014	0.000045	0.0000000000089
Gasoline Produced	gal	288	6,000.	0.17	0.23	0	1,300.	2.3	5.5	0.15	0.00012	0	0.046	0.000024	0.00063	0.0000000000089
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Groundwater Extracted On-site	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Produced	gal x 1000	1.877	17.	0.00083	0.039	0	9.4	0.018	0.011	0.03	0.0000016	0	0.000028	0.000000015	0.00000013	0.0000000000019
Potable Water Transported	gal x 1000	1.877	14.	0.0012	0.0089	0	0.97	0.001	0.0081	0.00011	0.0000011	0	0	0.000005	0.000000073	0.0000000000059
Potable Water Used	gal x 1000	1.877	0	0	1.9	1.9	0	0	0	0	0	0	0	0	0	0
Other On-Site Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials Subtotal		67,000.	2.1	8.2	1.9	0	27,000.	56.	37.	0.28	0.00013	0	0.9	0.00087	0.0026	0.0000000012
Waste and Other Services																
Off-site waste water treatment	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Laboratory Analysis	\$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste and Other Services Subtotal		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other																
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Subtotal		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Notes:
 - All results are rounded to two significant digits
 - All water refers to all water of any variety (excluding sea water) that is used. This can include potable water, groundwater, surface water, reclaimed water, etc.
 - Air toxics refers to Hazardous Air Pollutant (HAPs) as defined by EPA
 - Mercury, lead, and dioxins released refers to releases to air and water

Alternative:

Alternative Name:

Path Name:

Main File Name:

Reference File Name:

Module File Name:

Alternative 3 v2

Extracted Water

Green Remediation Tool Main.xlsx

Green Remediation Tool Reference.xlsx

alternative 3 v2 inventory modules.xlsx

Variables In Alternative:

Level 1	Site Invest.
Level 2	Excavation
Level 3	Construction
Level 4	O&M
Level 5	LTM
Level 6	Decomm.

Usage Input - Alternative 3 v2

	Abbreviation	Units	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Total
			Site Invest.	Excavation	Construction	O&M	LTM	Decomm.	
Energy									
Diesel (on-site)	Diesel-On	gal	248.192	614.5843	9413.6	0	0	22.4	10298.78
Gasoline (on-site use)	Gas-On	gal	0	0	0	0	127.2	0	127.2
Natural gas (on-site use)	NG-On	ccf							0
Diesel (off-site use)	Diesel-Off	gal	76.0376	26422.54	973.5792	35860.67	16.5375	7.35	63356.71
Gasoline (off-site use)	Gas-Off	gal	143.2	307.2	2507.6	7392	844.8	288	11482.8
Natural gas (off-site use)	NG-Off	ccf							0
On-site electricity use	Elec. Use	MWh	0	0	0	20.16	0	0	20.16
Electricity transmission*	Elec. Trans	MWh	0	0	0	20.16	0	0	20.16
Electricity production*	Elec. Prod	MWh	0	0	0	20.16	0	0	20.16
Materials									
PVC	PVC	lb	0	0	9329.6	0	0	0	9329.6
HDPE	HDPE	lb	0	0	0	0	0	0	0
Steel	Steel	lb	0	0	8704	0	6615	0	15319
Stainless Steel	S. Steel	lb	0	0	0	0	0	0	0
Gravel/sand	Sand	ton	0	5625	26.4	0	0	0	5651.4
Cement Grout	Cement	dry-ton	0.85	0	66.9	0	0	14.7	82.45
Concrete	Concrete	tons	0	349.2	26.0304	0	0	0	375.2304
Bentonite	Bent.	ton	0	0	0.7	0	0	0	0.7
Regenerated GAC	GAC-R	lbs	0	0	0	0	0	0	0
Bioinjection (Molasses)	Bio#1	lbs	0	0	0	2612088	0	0	2612088
Bioinjection (Cheese Whey)	Bio#2	lbs	0	0	0	1200960	0	0	1200960
Bioinjection (Vegetable Oil)	Bio#3	lbs	0	0	0	0	0	0	0
Diesel Produced	Diesel-Pro	gal	324.2296	27037.12	10387.18	35860.67	16.5375	29.75	73655.49
Gasoline Produced	Gas-Pro	gal	143.2	307.2	2507.6	7392	972	288	11610
Natural Gas Produced	NG-Pro	ccf			0				0
Groundwater Extracted On-site	GW Ext	gal x 1000	0	0	27.2	0	0	0	27.2
Potable Water Produced	PW Pro.	gal x 1000	0.5	0	8.54	0	0	1.877	10.917
Potable Water Transported	PW Trans.	gal x 1000	0.5	0	8.54	0	0	1.877	10.917
Potable Water Used	PW Used	gal x 1000	0.5	0	8.54	0	0	1.877	10.917
Other On-Site Water Used	OW	gal x 1000							0
Waste and Other Services									
Off-site waste water treatment	POTW	gal x 1000	0	0	0	0	0	0	0
Solid Waste Generation	SW-Gen	ton	0	0	0	0	0	0	0
Solid Waste Disposal	SW-Disp	ton	0	0	0	0	0	0	0
Hazardous Waste Generation	HW-Gen	ton	1.34	6148.8	149.6	0	0	0	6299.74
Hazardous Waste Disposal	HW-Disp	ton	1.34	6148.8	149.6	0	0	0	6299.74
Laboratory Analysis	Lab	\$	60220	7100	1400	0	770400	0	839120
Other									
On-site process emissions (HAPs)	Proc. HAPs	lbs	0	0	0	0	0	0	0
On-site process emissions (GHGs)	Proc. GHGs	lbs CO2e	0	0	0	0	0	0	0

Notes:

* Report on-site electricity usage for these categories. Transmission and electricity production will be automatically calculated.

	Totals For Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 3 v2															
	Energy Used	Electricity Used	All Water Used	Potable Water Used	Groundwater Extracted	CO2e Emitted	NO x Emitted	SO x Emitted	PM Emitted	Solid Waste Generated	Haz. Waste Generated	Air Toxics Emitted	Mercury Released	Lead Released	Dioxins Released	
	Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs	
Level 1 - Site Invest.																
Energy	34,000.	0	0	0	0	5,600.	42.	1.3	0.84	0	0	0.074	0	0	0	0
Materials	0	0	0.5	0.5	0	0	0	0	0	0	0	0	0	0	0	0
Waste/Services	0	0	0	0	0	0	0	0	0	0	1.3	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Site Invest. Total	34,000.	0	0.5	0.5	0	5,600.	42.	1.3	0.84	0	1.3	0.074	0	0	0	0
Level 2 - Excavation																
Energy	85,000.	0	0	0	0	14,000.	100.	3.3	2.1	0	0	0.18	0	0	0	0
Materials	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste/Services	0	0	0	0	0	0	0	0	0	0	6,100.	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Excavation Total	85,000.	0	0	0	0	14,000.	100.	3.3	2.1	0	6,100.	0.18	0	0	0	0
Level 3 - Construction																
Energy	1,300,000.	0	0	0	0	210,000.	1,600.	51.	32.	0	0	2.8	0	0	0	0
Materials	0	0	36.	8.5	27.	0	0	0	0	0	0	0	0	0	0	0
Waste/Services	0	0	0	0	0	0	0	0	0	0	150.	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Construction Total	1,300,000.	0	36.	8.5	27.	210,000.	1,600.	51.	32.	0	150.	2.8	0	0	0	0
Level 4 - O&M																
Energy	69,000.	20.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste/Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O&M Total	69,000.	20.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Level 5 - LTM																
Energy	16,000.	0	0	0	0	2,500.	14.	0.57	0.069	0	0	0.038	0	0	0	0
Materials	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste/Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LTM Total	16,000.	0	0	0	0	2,500.	14.	0.57	0.069	0	0	0.038	0	0	0	0
Level 6 - Decomm.																
Energy	3,100.	0	0	0	0	500.	3.8	0.12	0.076	0	0	0.0067	0	0	0	0
Materials	0	0	1.9	1.9	0	0	0	0	0	0	0	0	0	0	0	0
Waste/Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Decomm. Total	3,100.	0	1.9	1.9	0	500.	3.8	0.12	0.076	0	0	0.0067	0	0	0	0
Total	1,500,000.	20.	38.	11.	27.	230,000.	1,800.	56.	35.	0	6,300.	3.1	0	0	0	0

	Totals For Parameters Used, Extracted, Emitted, or Generated Off-Site - Alternative 3 v2														
	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
	Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Level 1 - Site Invest.															
Energy	29,000.	0	0	0	0	4,500.	29.	1.1	0.34	0	0	0.066	0	0	0
Materials	13,000.	0.38	0.72	0	0	3,000.	6.3	8.7	0.2	0.00018	0	0.11	0.000077	0.00092	0.00000000086
Waste/Services	530,000.	30.	34.	0	0	78,000.	270.	180.	7.5	0.000012	0	13.	0.0000014	0.000011	0.00000000018
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Site Invest. Total	570,000.	30.	35.	0	0	86,000.	310.	190.	8.	0.00019	0	13.	0.000078	0.00093	0.0000000001
Level 2 - Excavation															
Energy	3,700,000.	0	0	0	0	600,000.	4,500.	140.	90.	0	0	8.	0	0	0
Materials	1,100,000.	40.	820.	0	0	230,000.	600.	670.	34.	0.0098	0	7.1	0.0048	0.05	0.00000000064
Waste/Services	1,200,000.	56.	1,000.	0	0	180,000.	980.	530.	2,700.	0.054	0	11.	0.0066	0.051	0.00000000081
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Excavation Total	6,000,000.	96.	1,800.	0	0	1,000,000.	6,100.	1,300.	2,800.	0.064	0	26.	0.011	0.1	0.00000000087
Level 3 - Construction															
Energy	450,000.	0	0	0	0	71,000.	450.	16.	4.7	0	0	1.	0	0	0
Materials	780,000.	24.	120.	0	0	220,000.	400.	430.	21.	2.2	0.015	11.	0.0089	0.054	0.000064
Waste/Services	38,000.	2.	26.	0	0	5,900.	29.	16.	66.	0.0013	0	0.52	0.00016	0.0013	0.0000000002
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Construction Total	1,300,000.	26.	150.	0	0	300,000.	880.	460.	92.	2.2	0.015	13.	0.0091	0.055	0.000064
Level 4 - O&M															
Energy	6,100,000.	3.6	150.	0	0	970,000.	6,900.	360.	130.	0.018	0	14.	0.000052	0.00062	0.00000000017
Materials	6,400,000.	38.	270.	0	0	2,400,000.	18,000.	19,000.	380.	0.016	0	5.5	0.0023	0.07	0.00000000013
Waste/Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O&M Total	13,000,000.	42.	420.	0	0	3,400,000.	25,000.	19,000.	510.	0.034	0	20.	0.0024	0.071	0.00000000015
Level 5 - LTM															
Energy	100,000.	0	0	0	0	17,000.	96.	3.9	0.52	0	0	0.26	0	0	0
Materials	49,000.	2.	5.	0	0	12,000.	17.	29.	4.2	1.7	0	0.6	0.00074	0.019	0.00000000043
Waste/Services	6,800,000.	390.	430.	0	0	1,000,000.	3,500.	2,300.	88.	0	0	160.	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LTM Total	6,900,000.	390.	440.	0	0	1,000,000.	3,600.	2,300.	93.	1.7	0	160.	0.00074	0.019	0.00000000043
Level 6 - Decomm.															
Energy	37,000.	0	0	0	0	5,800.	33.	1.3	0.19	0	0	0.088	0	0	0
Materials	67,000.	2.1	6.3	0	0	27,000.	56.	37.	0.28	0.00013	0	0.9	0.00087	0.0026	0.00000000012
Waste/Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Decomm. Total	100,000.	2.1	6.3	0	0	33,000.	89.	38.	0.47	0.00013	0	0.99	0.00087	0.0026	0.00000000012
Total	28,000,000.	590.	2,900.	0	0	5,800,000.	36,000.	23,000.	3,500.	4.	0.015	230.	0.024	0.25	0.000064

	Totals for On-Site and Off-Site Parameters - Alternative 3 v2														
	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
	Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Level 1 - Site Invest.															
Energy	63,000.	0	0	0	0	10,000.	71.	2.4	1.2	0	0	0.14	0	0	0
Materials	13,000.	0.38	1.2	0.5	0	3,000.	6.3	8.7	0.2	0.00018	0	0.11	0.000077	0.00092	0.00000000086
Waste/Services	530,000.	30.	34.	0	0	78,000.	270.	180.	7.5	0.000012	1.3	13.	0.0000014	0.000011	0.00000000018
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Site Invest. Total	610,000.	30.	35.	0.5	0	91,000.	350.	190.	8.9	0.00019	1.3	13.	0.000078	0.00093	0.0000000001
Level 2 - Excavation															
Energy	3,800,000.	0	0	0	0	610,000.	4,600.	140.	92.	0	0	8.2	0	0	0
Materials	1,100,000.	40.	820.	0	0	230,000.	600.	670.	34.	0.0098	0	7.1	0.0048	0.05	0.00000000064
Waste/Services	1,200,000.	56.	1,000.	0	0	180,000.	980.	530.	2,700.	0.054	6,100.	11.	0.0066	0.051	0.00000000081
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Excavation Total	6,100,000.	96.	1,800.	0	0	1,000,000.	6,200.	1,300.	2,800.	0.064	6,100.	26.	0.011	0.1	0.00000000087
Level 3 - Construction															
Energy	1,800,000.	0	0	0	0	280,000.	2,100.	67.	37.	0	0	3.8	0	0	0
Materials	780,000.	24.	150.	8.5	27.	220,000.	400.	430.	21.	2.2	0.015	11.	0.0089	0.054	0.000064
Waste/Services	38,000.	2.	26.	0	0	5,900.	29.	16.	66.	0.0013	150.	0.52	0.00016	0.0013	0.0000000002
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Construction Total	2,600,000.	26.	180.	8.5	27.	510,000.	2,500.	510.	120.	2.2	150.	15.	0.0091	0.055	0.000064
Level 4 - O&M															
Energy	6,200,000.	24.	150.	0	0	970,000.	6,900.	360.	130.	0.018	0	14.	0.000052	0.00062	0.00000000017
Materials	6,400,000.	38.	270.	0	0	2,400,000.	18,000.	19,000.	380.	0.016	0	5.5	0.0023	0.07	0.00000000013
Waste/Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O&M Total	13,000,000.	62.	420.	0	0	3,400,000.	25,000.	19,000.	510.	0.034	0	20.	0.0024	0.071	0.00000000015
Level 5 - LTM															
Energy	120,000.	0	0	0	0	20,000.	110.	4.5	0.59	0	0	0.29	0	0	0
Materials	49,000.	2.	5.	0	0	12,000.	17.	29.	4.2	1.7	0	0.6	0.00074	0.019	0.00000000043
Waste/Services	6,800,000.	390.	430.	0	0	1,000,000.	3,500.	2,300.	88.	0	0	160.	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LTM Total	7,000,000.	390.	440.	0	0	1,000,000.	3,600.	2,300.	93.	1.7	0	160.	0.00074	0.019	0.00000000043
Level 6 - Decomm.															
Energy	40,000.	0	0	0	0	6,300.	37.	1.5	0.26	0	0	0.095	0	0	0
Materials	67,000.	2.1	8.2	1.9	0	27,000.	56.	37.	0.28	0.00013	0	0.9	0.00087	0.0026	0.00000000012
Waste/Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Decomm. Total	110,000.	2.1	8.2	1.9	0	33,000.	93.	39.	0.54	0.00013	0	1.	0.00087	0.0026	0.00000000012
Total	29,000,000.	610.	2,900.	11.	27.	6,000,000.	38,000.	23,000.	3,500.	4.	6,300.	240.	0.024	0.25	0.000064

	Percentages For Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 3 v2														
	Energy Used	Electricity Used	All Water Used	Potable Water Used	Groundwater Extracted	CO2e Emitted	NO x Emitted	SO x Emitted	PM Emitted	Solid Waste Generated	Haz. Waste Generated	Air Toxics Emitted	Mercury Released	Lead Released	Dioxins Released
	Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Level 1 - Site Invest.															
Energy	2%	0%	0%	0%	0%	2%	2%	2%	2%	0%	0%	2%	0%	0%	0%
Materials	0%	0%	1%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Waste/Services	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	<1%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Site Invest. Total	2%	0%	1%	5%	0%	2%	2%	2%	2%	0%	<1%	2%	0%	0%	0%
Level 2 - Excavation															
Energy	6%	0%	0%	0%	0%	6%	6%	6%	6%	0%	0%	6%	0%	0%	0%
Materials	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Waste/Services	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	98%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Excavation Total	6%	0%	0%	0%	0%	6%	6%	6%	6%	0%	98%	6%	0%	0%	0%
Level 3 - Construction															
Energy	86%	0%	0%	0%	0%	90%	91%	91%	91%	0%	0%	90%	0%	0%	0%
Materials	0%	0%	94%	78%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Waste/Services	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Construction Total	86%	0%	94%	78%	100%	90%	91%	91%	91%	0%	2%	90%	0%	0%	0%
Level 4 - O&M															
Energy	5%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Materials	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Waste/Services	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
On-Site Total	5%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Level 5 - LTM															
Energy	1%	0%	0%	0%	0%	1%	<1%	1%	<1%	0%	0%	1%	0%	0%	0%
Materials	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Waste/Services	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
On-Site Total	1%	0%	0%	0%	0%	1%	<1%	1%	<1%	0%	0%	1%	0%	0%	0%
Level 6 - Decomm.															
Energy	<1%	0%	0%	0%	0%	<1%	<1%	<1%	<1%	0%	0%	<1%	0%	0%	0%
Materials	0%	0%	5%	17%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Waste/Services	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Off-Site Total	<1%	0%	5%	17%	0%	<1%	<1%	<1%	<1%	0%	0%	<1%	0%	0%	0%

	Percentages For Parameters Used, Extracted, Emitted, or Generated Off-Site - Alternative 3 v2															
	Energy Used	Electricity Used	All Water Used	Potable Water Used	Groundwater Extracted	CO2e Emitted	NO x Emitted	SO x Emitted	PM Emitted	Solid Waste Generated	Haz. Waste Generated	Air Toxics Emitted	Mercury Released	Lead Released	Dioxins Released	
	Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs	
Level 1 - Site Invest.																
Energy	<1%	0%	0%	0%	0%	<1%	<1%	<1%	<1%	0%	0%	<1%	0%	0%	0%	
Materials	<1%	<1%	<1%	0%	0%	<1%	<1%	<1%	<1%	<1%	0%	<1%	<1%	<1%	<1%	
Waste/Services	2%	5%	1%	0%	0%	1%	<1%	<1%	<1%	<1%	0%	6%	<1%	<1%	<1%	
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Site Invest. Total	2%	5%	1%	0%	0%	1%	<1%	<1%	<1%	<1%	0%	6%	<1%	<1%	<1%	
Level 2 - Excavation																
Energy	13%	0%	0%	0%	0%	10%	13%	<1%	3%	0%	0%	3%	0%	0%	0%	
Materials	4%	7%	29%	0%	0%	4%	2%	3%	<1%	<1%	0%	3%	20%	20%	<1%	
Waste/Services	4%	10%	35%	0%	0%	3%	3%	2%	77%	1%	0%	5%	27%	21%	<1%	
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Excavation Total	22%	16%	64%	0%	0%	17%	17%	5%	80%	1%	0%	11%	47%	41%	<1%	
Level 3 - Construction																
Energy	2%	0%	0%	0%	0%	1%	1%	<1%	<1%	0%	0%	<1%	0%	0%	0%	
Materials	3%	4%	4%	0%	0%	4%	1%	2%	<1%	55%	100%	5%	37%	22%	100%	
Waste/Services	<1%	<1%	<1%	0%	0%	<1%	<1%	<1%	2%	<1%	0%	<1%	<1%	<1%	<1%	
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Construction Total	4%	4%	4%	0%	0%	5%	2%	2%	2%	55%	100%	5%	37%	22%	100%	
Level 4 - O&M																
Energy	22%	<1%	5%	0%	0%	17%	19%	2%	4%	<1%	0%	6%	<1%	<1%	<1%	
Materials	23%	6%	9%	0%	0%	41%	50%	82%	11%	<1%	0%	2%	10%	28%	<1%	
Waste/Services	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
On-Site Total	45%	6%	15%	0%	0%	58%	69%	83%	15%	<1%	0%	8%	10%	28%	<1%	
Level 5 - LTM																
Energy	<1%	0%	0%	0%	0%	<1%	<1%	<1%	<1%	0%	0%	<1%	0%	0%	0%	
Materials	<1%	<1%	<1%	0%	0%	<1%	<1%	<1%	<1%	43%	0%	<1%	3%	8%	<1%	
Waste/Services	24%	67%	15%	0%	0%	17%	10%	10%	3%	0%	0%	69%	0%	0%	0%	
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
On-Site Total	24%	67%	15%	0%	0%	17%	10%	10%	3%	43%	0%	69%	3%	8%	<1%	
Level 6 - Decomm.																
Energy	<1%	0%	0%	0%	0%	<1%	<1%	<1%	<1%	0%	0%	<1%	0%	0%	0%	
Materials	<1%	<1%	<1%	0%	0%	<1%	<1%	<1%	<1%	<1%	0%	<1%	4%	1%	<1%	
Waste/Services	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Off-Site Total	<1%	<1%	<1%	0%	0%	<1%	<1%	<1%	<1%	<1%	0%	<1%	4%	1%	<1%	

	Percentages for Total On-Site and Off-Site Parameters - Alternative 3 v2															
	Energy Used	Electricity Used	All Water Used	Potable Water Used	Groundwater Extracted	CO2e Emitted	NO x Emitted	SO x Emitted	PM Emitted	Solid Waste Generated	Haz. Waste Generated	Air Toxics Emitted	Mercury Released	Lead Released	Dioxins Released	
	Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs	
Level 1 - Site Invest.																
Energy	<1%	0%	0%	0%	0%	<1%	<1%	<1%	<1%	0%	0%	<1%	0%	0%	0%	0%
Materials	<1%	<1%	<1%	5%	0%	<1%	<1%	<1%	<1%	<1%	0%	<1%	<1%	<1%	<1%	<1%
Waste/Services	2%	5%	1%	0%	0%	1%	<1%	<1%	<1%	<1%	<1%	6%	<1%	<1%	<1%	<1%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Site Invest. Total	2%	5%	1%	5%	0%	1%	<1%	<1%	<1%	<1%	<1%	6%	<1%	<1%	<1%	<1%
Level 2 - Excavation																
Energy	13%	0%	0%	0%	0%	10%	12%	<1%	3%	0%	0%	3%	0%	0%	0%	0%
Materials	4%	7%	28%	0%	0%	4%	2%	3%	<1%	<1%	0%	3%	20%	20%	<1%	<1%
Waste/Services	4%	9%	35%	0%	0%	3%	3%	2%	76%	1%	98%	5%	27%	21%	<1%	<1%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Excavation Total	21%	16%	63%	0%	0%	17%	16%	5%	79%	1%	98%	11%	47%	41%	<1%	<1%
Level 3 - Construction																
Energy	6%	0%	0%	0%	0%	5%	6%	<1%	1%	0%	0%	2%	0%	0%	0%	0%
Materials	3%	4%	5%	78%	100%	4%	1%	2%	<1%	55%	<1%	5%	37%	22%	100%	100%
Waste/Services	<1%	<1%	<1%	0%	0%	<1%	<1%	<1%	2%	<1%	2%	<1%	<1%	<1%	<1%	<1%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Construction Total	9%	4%	5%	78%	100%	8%	7%	2%	3%	55%	2%	6%	37%	22%	100%	100%
Level 4 - O&M																
Energy	21%	4%	5%	0%	0%	16%	18%	2%	4%	<1%	0%	6%	<1%	<1%	<1%	<1%
Materials	22%	6%	9%	0%	0%	40%	48%	81%	11%	<1%	0%	2%	10%	28%	<1%	<1%
Waste/Services	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
On-Site Total	43%	10%	15%	0%	0%	56%	66%	83%	14%	<1%	0%	8%	10%	28%	<1%	<1%
Level 5 - LTM																
Energy	<1%	0%	0%	0%	0%	<1%	<1%	<1%	<1%	0%	0%	<1%	0%	0%	0%	0%
Materials	<1%	<1%	<1%	0%	0%	<1%	<1%	<1%	<1%	43%	0%	<1%	3%	8%	<1%	<1%
Waste/Services	23%	64%	15%	0%	0%	17%	9%	10%	2%	0%	0%	68%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
On-Site Total	23%	64%	15%	0%	0%	17%	9%	10%	2%	43%	0%	68%	3%	8%	<1%	<1%
Level 6 - Decomm.																
Energy	<1%	0%	0%	0%	0%	<1%	<1%	<1%	<1%	0%	0%	<1%	0%	0%	0%	0%
Materials	<1%	<1%	<1%	17%	0%	<1%	<1%	<1%	<1%	<1%	0%	<1%	4%	1%	<1%	<1%
Waste/Services	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Off-Site Total	<1%	<1%	<1%	17%	0%	<1%	<1%	<1%	<1%	<1%	0%	<1%	4%	1%	<1%	<1%

All Levels - Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 3 v2																																													
Quantity Used		Energy				Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins													
		Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Generated	Conv. Factor	Generated	Conv. Factor	Emitted	Conv. Factor	Released	Conv. Factor	Released														
		Mbtu				MWh		gal x 1000		gal x 1000		gal x 1000		lbs		lbs		lbs		lbs		tons		tons		lbs		lbs		lbs		lbs													
Totals				1,500,000.			20.			38.			11.			27.			230,000.			1,800.			56.			35.			0		6,300.			3.1			0		0		0		0
Energy																																													
Diesel (on-site)	gal	10298.776	139	1,422,100.	0	0	0	0	0	0	0	0	0	22.5	230,100.	0.17	1,745.8	0.0054	55.72	0.0034	35.016	0	0	0	0	0.0003	3.0607	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Gasoline (on-site use)	gal	127.2	124	16,000.	0	0	0	0	0	0	0	0	0	19.6	2,500.	0.11	14.	0.0045	0.57	0.0005	0.069	0	0	0	0	0.0003	0.038	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Natural gas (on-site use)	ccf	0	103	0	0	0	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0.29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Diesel (off-site use)	gal	63356.71	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Gasoline (off-site use)	gal	11482.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
On-site electricity use	MWh	20.16	3413	69,000.	1	20.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Electricity transmission*	MWh	20.16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Electricity production*	MWh	20.16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Energy Subtotal				1,500,000.			20.			0			0			230,000.			1,800.			56.			35.			0		6,300.			3.1			0		0		0		0			
Materials																																													
PVC	lb	9329.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Steel	lb	15319	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Gravel/sand	ton	5651.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Cement Grout	dry-ton	82.45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Concrete	tons	375.2304	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Bentonite	ton	0.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Bioinjection (Molasses)	lbs	2612088	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Bioinjection (Cheese Whey)	lbs	1200960	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Diesel Produced	gal	73655.486	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Gasoline Produced	gal	11610	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Groundwater Extracted On-site	gal x 1000	27.2	0	0	0	1	27.	0	0	1	27.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Potable Water Produced	gal x 1000	10.917	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Potable Water Transported	gal x 1000	10.917	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Potable Water Used	gal x 1000	10.917	0	0	0	1	10.9	1	10.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Other On-Site Water Used	gal x 1000	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Materials Subtotal				0			0			38.			11.			27.			0		0			0		0			0		0			0			0		0		0		0		
Waste and Other Services																																													
Off-site waste water treatment	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Solid Waste Disposal	ton	0	0	0	0	0																																							

	Quantity Used	All Levels - Parameters Used, Extracted, Emitted, or Generated Off-Site - Alternative 3 v2																													
		Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
		Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Extracted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Generated	Conv. Factor	Generated	Conv. Factor	Emitted	Conv. Factor	Released	Conv. Factor	Released	Conv. Factor	Released
		Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs		
Totals			27,000,000.		590.		2,900.		0		0		5,900,000.		36,000.		25,000.		3,600.		4.1		0.015		230.		0.025		0.25		0.000064
Energy																															
Diesel (on-site)	gal	10298.776	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Gasoline (on-site use)	gal	127.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Natural gas (on-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Diesel (off-site use)	gal	63356.71	139	8,854,300.	0	0	0	0	0	0	22.5	1,424,240.	0.17	10,787.	0.0054	335.839	0.0034	213.641	0	0	0	0	0.0003	19.2202	0	0	0	0	0	0	
Gasoline (off-site use)	gal	11482.8	124	1,422,000.	0	0	0	0	0	0	19.6	220,400.	0.11	1,265.	0.0045	51.14	0.0005	6.267	0	0	0	0.0003	3.421	0	0	0	0	0	0	0	
Natural gas (off-site use)	ccf	0	103	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0.29	0	0	0	0	0	0	0	0	
On-site electricity use	MWh	20.16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Electricity transmission*	MWh	20.16	410	8,300.	0.12	2.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Electricity production*	MWh	20.16	7800	160,000.	0.06	1.2	7.3	150.	0	0	800	16,000.	0.84	17.	6.7	140.	0.087	1.8	0.0009	0.018	0	0	0.017	0.34	3E-06	0.000052	3E-05	0.00062	9E-12	0.0000000017	
Energy Subtotal			10,000,000.		3.6		150.		0		0		1,700,000.		12,000.		530.		220.		0.018		0		23.		0.000052		0.00062		0.0000000017
Materials																															
PVC	lb	9329.6	22	210,000.	0.0006	5.2	0.0069	64.	0	0	4.1	38,000.	0.0048	45.	0.0076	71.	0.0012	11.	2E-06	0.021	2E-06	0.015	0.0005	4.4	3E-07	0.0032	1E-07	0.0012	7E-09	0.000064	
HDPE	lb	0	31	0	0.0003	0	0.0023	0	0	0	1.9	0	0.0032	0	0.0041	0	0.0006	0	4E-07	0	1E-06	0	3E-06	0	3E-09	0	2E-09	0	1E-09	0	
Steel	lb	15319	4.4	67,000.	0.0002	3.2	0.0006	9.8	0	0	1.1	16,900.	0.0014	21.3	0.0017	26.	0.0006	8.6	0.0003	3.9	0	0	7E-05	1.02	1E-07	0.00153	3E-06	0.039	7E-12	0.0000001	
Stainless Steel	lb	0	11.6	0	0.0006	0	0.0023	0	0	0	3.4	0	0.0075	0	0.012	0	0.0044	0	0.0006	0	0	0	0.0001	0	0	0	5E-07	0	2E-12	0	
Gravel/sand	ton	5651.4	55	311,500.	0.0027	15.071	0.13	733.4	0	0	6.7	38,180.	0.033	190.87	0.03	170.79	0.004	23.11	0	0	0	4E-07	0.002311	6E-11	0.0000003617	1E-09	0.00006832	2E-16	0.000000000844		
Cement Grout	dry-ton	82.45	4100	333,500.	0.13	10.71	0.41	33.35	0	0	1800	147,500.	3.6	296.1	2.1	172.8	0.0063	0.5184	0	0	0	0.058	4.799	6E-05	0.004688	0.0001	0.01071	9E-11	0.00000006972		
Concrete	tons	375.2304	793	301,000.	0.026	9.78	0.19	70.9	0	0	335	128,700.	0.68	258.	0.41	151.	0.0044	1.61	3E-08	0.00001053	0	0	0.011	4.09	1E-05	0.00376	2E-05	0.00902	2E-11	0.0000000602	
Bentonite	ton	0.7	55	39.	0.0027	0.0019	0.13	0.091	0	0	6.7	4.7	0.033	0.023	0.03	0.021	0.004	0.0028	0	0	0	4E-07	0.000000029	6E-11	0.00000000045	1E-09	0.00000000084	2E-16	0.000000000011		
Regenerated GAC	lbs	0	9.6	0	0.0004	0	0.0064	0	0	0	2	0	0.025	0	0.015	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bioinjection (Molasses)	lbs	2612088	1.31	3,400,000.	5E-06	13.	9E-05	240.	0	0	0.4	1,000,000.	0.003	7,800.	0.0026	6,800.	6E-05	160.	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	1200960	1.87	2,200,000.	0	0	0	0	0	0	1.1	1,300,000.	0.0083	10,000.	0.0099	12,000.	0.0002	200.	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	0	3.6	0	6E-05	0	2E-05	0	0	0	3.51	0	0.0265	0	0.031	0	0.0017	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Produced	gal	73655.486	18.5	1,356,860.	0.0006	43.3178	0.0008	57.286	0	0	2.7	199,005.	0.0064	468.4	0.013	964.8	0.0003	24.8256	4E-07	0.026537	0	0	0.0001	8.7446	5E-08	0.00351819	2E-06	0.11156	3E-14	0.0000000223109	
Gasoline Produced	gal	11610	21	248,500.	0.0006	6.904	0.0008	9.15	0	0	4.4	51,630.	0.008	92.7	0.019	220.	0.0005	5.994	4E-07	0.00492	0	0	0.0002	1.878	9E-08	0.000985	2E-06	0.02523	3E-14	0.000000003608	
Natural Gas Produced	ccf	0	5.2	0	0.0003	0	8E-05	0	0	0	2.2	0	0.0037	0	0.0046	0	7E-05	0	0	0	0	0	6E-06	0	2E-08	0	9E-07	0	5E-14	0	
Groundwater Extracted On-site	gal x 1000	27.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Produced	gal x 1000	10.917	9.2	100.6	0.0004	0.00485	0.021	0.23	0	0	5	54.9	0.0097	0.1059	0.0059	0.064	0.016	0.178	8E-07	0.00000912	0	0	2E-05	0.0001655	8E-09	0.0000000891	7E-08	0.00000734	1E-13	0.000000000109	
Potable Water Transported	gal x 1000	10.917	7.4	80.7	0.0006	0.00702	0.0047	0.0513	0	0	0.5168	5.63	0.0005	0.00587	0.0043	0.0473	6E-05	0.000618	6E-07	0.00000639	0	0	0	0	3E-06	0.0000293	4E-08	0.00000422	3E-14	0.000000000032	
Potable Water Used	gal x 1000	10.917	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other On-Site Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials Subtotal			8,400,000.		110.		1,200.		0		0		2,900,000.		19,000.		21,000.		440.		4.		0.015		25.		0.018		0.2		0.000064
Waste and Other Services																															
Off-site waste water treatment	gal x 1000	0	3.7	0	0.0002	0	0.0008	0	0	0	3	0	0.0061	0	0.0029	0	8E-05	0	5E-07	0	0	0	0.0001	0	8E-08	0	6E-07	0	1E-12	0	
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	160	0	0.0077	0	0.15	0	0	0	25	0	0.14	0	0.075	0	0.4	0	8E-06	0	0	0	0.0014	0	1E-06	0	8E-06	0	1E-11	0	0
Hazardous Waste Generation	ton	6299.74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Disposal	ton	6299.74	176	1,126,240.	0.0085	53.311	0.165	1,025.22	0	0	27.5	174,137.	0.154	973.21	0.0825	522.11	0.44	2,766.59	9E-06	0.055312	0	0	0.0015	9.7321	1E-06	0.0067614	8E-06	0.052311	1E-11	0.00000083018	
Laboratory Analysis	\$	839120	8.8	7,404,000.	0.0005	424.3	0.0006	468.78	0	0	1.3	1,089,000.	0.0045	3,808.3	0.003	2,505.2	0.0001	95.87	0	0	0	0	0.0002	174.79	0	0	0				

All Levels - Total On-Site and Off-Site Parameters - Alternative 3 v2																	
	Quantity Used		Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
			Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
			Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Totals			29,000,000.	610.	3,000.	11.	27.	6,100,000.	38,000.	25,000.	3,600.	4.1	6,300.	230.	0.025	0.25	0.000064
Energy																	
Diesel (on-site)	gal	10298.776	1,422,100.	0	0	0	0	230,100.	1,745.8	55.72	35.016	0	0	3.0607	0	0	0
Gasoline (on-site use)	gal	127.2	16,000.	0	0	0	0	2,500.	14.	0.57	0.069	0	0	0.038	0	0	0
Natural gas (on-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel (off-site use)	gal	63356.71	8,854,300.	0	0	0	0	1,424,240.	10,787.	335.839	213.641	0	0	19.2202	0	0	0
Gasoline (off-site use)	gal	11482.8	1,422,000.	0	0	0	0	220,400.	1,265.	51.14	6.267	0	0	3.421	0	0	0
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site electricity use	MWh	20.16	69,000.	20.	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity transmission*	MWh	20.16	8,300.	2.4	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity production*	MWh	20.16	160,000.	1.2	150.	0	0	16,000.	17.	140.	1.8	0.018	0	0.34	0.000052	0.00062	0.00000000017
Energy Subtotal			12,000,000.	24.	150.	0	0	1,900,000.	14,000.	580.	260.	0.018	0	26.	0.000052	0.00062	0.00000000017
Materials																	
PVC	lb	9329.6	210,000.	5.2	64.	0	0	38,000.	45.	71.	11.	0.021	0.015	4.4	0.0032	0.0012	0.000064
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Steel	lb	15319	67,000.	3.2	9.8	0	0	16,900.	21.3	26.	8.6	3.9	0	1.02	0.00153	0.039	0.0000001
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gravel/sand	ton	5651.4	311,500.	15.071	733.4	0	0	38,180.	190.87	170.79	23.11	0	0	0.002311	0.000003617	0.000006832	0.0000000000844
Cement Grout	dry-ton	82.45	333,500.	10.71	33.35	0	0	147,500.	296.1	172.8	0.5184	0	0	4.799	0.004688	0.01071	0.00000006972
Concrete	tons	375.2304	301,000.	9.78	70.9	0	0	128,700.	258.	151.	1.61	0.00001053	0	4.09	0.00376	0.00902	0.0000000602
Bentonite	ton	0.7	39.	0.0019	0.091	0	0	4.7	0.023	0.021	0.0028	0	0	0.00000029	0.00000000045	0.00000000084	0.00000000000011
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Molasses)	lbs	2612088	3,400,000.	13.	240.	0	0	1,000,000.	7,800.	6,800.	160.	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	1200960	2,200,000.	0	0	0	0	1,300,000.	10,000.	12,000.	200.	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Produced	gal	73655.486	1,356,860.	43.3178	57.286	0	0	199,005.	468.4	964.8	24.8256	0.026537	0	8.7446	0.00351819	0.11156	0.0000000223109
Gasoline Produced	gal	11610	248,500.	6.904	9.15	0	0	51,630.	92.7	220.	5.994	0.00492	0	1.878	0.000985	0.02523	0.000000003608
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Groundwater Extracted On-site	gal x 1000	27.2	0	0	27.	27.	27.	0	0	0	0	0	0	0	0	0	0
Potable Water Produced	gal x 1000	10.917	100.6	0.00485	0.23	0	0	54.9	0.1059	0.064	0.178	0.00000912	0	0.0001655	0.000000891	0.00000734	0.0000000000109
Potable Water Transported	gal x 1000	10.917	80.7	0.00702	0.0513	0	0	5.63	0.00587	0.0473	0.000618	0.00000639	0	0	0.0000293	0.000000422	0.0000000000032
Potable Water Used	gal x 1000	10.917	0	0	10.9	10.9	10.9	0	0	0	0	0	0	0	0	0	0
Other On-Site Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials Subtotal			8,400,000.	110.	1,300.	11.	27.	2,900,000.	19,000.	21,000.	440.	4.	0.015	25.	0.018	0.2	0.000064
Waste and Other Services																	
Off-site waste water treatment	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Generation	ton	6299.74	0	0	0	0	0	0	0	0	0	0	6,251.3	0	0	0	0
Hazardous Waste Disposal	ton	6299.74	1,126,240.	53.311	1,025.22	0	0	174,137.	973.21	522.11	2,766.59	0.055312	0	9.7321	0.0067614	0.052311	0.00000083018
Laboratory Analysis	\$	839120	7,404,000.	424.3	468.78	0	0	1,089,000.	3,808.3	2,505.2	95.87	0	0	174.79	0	0	0
Waste and Other Services Subtotal			8,500,000.	480.	1,500.	0	0	1,300,000.	4,800.	3,000.	2,900.	0.055	6,300.	180.	0.0068	0.052	0.00000083
Other																	
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Subtotal			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Notes:
 - All results are rounded to two significant digits
 - All water refers to all water of any variety (excluding sea water) that is used. This can include potable water, groundwater, surface water, reclaimed water, etc.
 - Air toxics refers to Hazardous Air Pollutant (HAPs) as defined by EPA
 - Mercury, lead, and dioxins released refers to releases to air and water

		Level 1 (Site Invest.) Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 3 v2																															
		Quantity Used		Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
				Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Generated	Conv. Factor	Generated	Conv. Factor	Emitted	Conv. Factor	Released	Conv. Factor	Released
			Mbtu		MWh		gal x 1000		gal x 1000		gal x 1000		lbs		lbs		lbs		lbs		tons		tons		lbs		lbs		lbs		lbs		lbs
Totals			34,000.		0		0.5		0.5		0		5,600.		42.		1.3		0.84		0		1.3		0.074		0		0		0		
Energy																																	
Diesel (on-site)	gal	248.192	139	34,000.	0	0	0	0	0	0	0	22.5	5,600.	0.17	42.	0.0054	1.3	0.0034	0.84	0	0	0	0	0.0003	0.074	0	0	0	0	0	0		
Gasoline (on-site use)	gal	0	124	0	0	0	0	0	0	0	0	19.6	0	0.11	0	0.0045	0	0.0005	0	0	0	0	0	0.0003	0	0	0	0	0	0	0		
Natural gas (on-site use)	ccf	0	103	0	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0.29	0	0	0	0	0	0	0		
Diesel (off-site use)	gal	76.0376	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Gasoline (off-site use)	gal	143.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
On-site electricity use	MWh	0	3413	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Electricity transmission*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Electricity production*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Energy Subtotal			34,000.		0		0		0		0		5,600.		42.		1.3		0.84		0		0		0.074		0		0		0		
Materials																																	
PVC	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Gravel/sand	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Cement Grout	dry-ton	0.85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Concrete	tons	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Bentonite	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Diesel Produced	gal	324.2296	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Gasoline Produced	gal	143.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Groundwater Extracted On-site	gal x 1000	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Potable Water Produced	gal x 1000	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Potable Water Transported	gal x 1000	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Potable Water Used	gal x 1000	0.5	0	0	0	1	0.5	1	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Other On-Site Water Used	gal x 1000	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Materials Subtotal			0		0		0.5		0.5		0		0		0		0		0		0		0		0		0		0		0		
Waste and Other Services																																	
Off-site waste water treatment	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0		
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Hazardous Waste Generation	ton	1.34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1.3	0	0	0	0	0	0	0	0		
Hazardous Waste Disposal	ton	1.34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Laboratory Analysis	\$	60220	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Waste and Other Services Subtotal			0		0		0		0		0		0		0		0		0		0		1.3		0		0		0		0		
Other																																	
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0		
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Other Subtotal			0		0		0		0		0		0		0		0		0		0		0		0		0		0		0		

- Notes:**
 - All results are rounded to two significant digits
 - Groundwater extracted refers to Groundwater extracted on-site that is not reinjected to an aquifer of similar quality
 - All water refers to all water of any variety used on-site that is not returned to its original source. This can include potable water, groundwater, surface water, reclaimed water, etc.
 - Air toxics refers to Hazardous Air Pollutant (HAPs) as defined by EPA

		Level 1 (Site Invest.) Total On-Site and Off-Site Parameters - Alternative 3 v2															
		Quantity Used	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
			Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
			Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Totals			610,000.	30.	35.	0.5	0	91,000.	350.	190.	8.9	0.00019	1.3	13.	0.000078	0.00093	0.0000000001
Energy																	
Diesel (on-site)	gal	248.192	34,000.	0	0	0	0	5,600.	42.	1.3	0.84	0	0	0.074	0	0	0
Gasoline (on-site use)	gal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural gas (on-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel (off-site use)	gal	76.0376	11,000.	0	0	0	0	1,700.	13.	0.41	0.26	0	0	0.023	0	0	0
Gasoline (off-site use)	gal	143.2	18,000.	0	0	0	0	2,800.	16.	0.64	0.077	0	0	0.043	0	0	0
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site electricity use	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity transmission*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity production*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Energy Subtotal			63,000.	0	0	0	0	10,000.	71.	2.4	1.2	0	0	0.14	0	0	0
Materials																	
PVC	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gravel/sand	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cement Grout	dry-ton	0.85	3,500.	0.11	0.35	0	0	1,500.	3.1	1.8	0.0054	0	0	0.049	0.000048	0.00011	0.000000000072
Concrete	tons	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bentonite	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Produced	gal	324.2296	6,000.	0.19	0.25	0	0	880.	2.1	4.2	0.11	0.00012	0	0.039	0.000016	0.00049	0.000000000097
Gasoline Produced	gal	143.2	3,000.	0.084	0.11	0	0	630.	1.1	2.7	0.074	0.00006	0	0.023	0.000012	0.00032	0.000000000044
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Groundwater Extracted On-site	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Produced	gal x 1000	0.5	4.6	0.00022	0.011	0	0	2.5	0.0049	0.003	0.008	0.0000042	0	0.0000075	0.000000041	0.000000034	0.0000000000005
Potable Water Transported	gal x 1000	0.5	3.7	0.00032	0.0024	0	0	0.26	0.00027	0.0022	0.000028	0.0000029	0	0	0.0000013	0.000000019	0.00000000000015
Potable Water Used	gal x 1000	0.5	0	0	0.5	0.5	0	0	0	0	0	0	0	0	0	0	0
Other On-Site Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials Subtotal			13,000.	0.38	1.2	0.5	0	3,000.	6.3	8.7	0.2	0.00018	0	0.11	0.000077	0.00092	0.000000000086
Waste and Other Services																	
Off-site waste water treatment	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Generation	ton	1.34	0	0	0	0	0	0	0	0	0	0	1.3	0	0	0	0
Hazardous Waste Disposal	ton	1.34	240.	0.011	0.22	0	0	37.	0.21	0.11	0.59	0.000012	0	0.0021	0.0000014	0.000011	0.000000000018
Laboratory Analysis	\$	60220	530,000.	30.	34.	0	0	78,000.	270.	180.	6.9	0	0	13.	0	0	0
Waste and Other Services Subtotal			530,000.	30.	34.	0	0	78,000.	270.	180.	7.5	0.000012	1.3	13.	0.000014	0.000011	0.000000000018
Other																	
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Subtotal			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Notes:

- All results are rounded to two significant digits
- All water refers to all water of any variety (excluding sea water) that is used. This can include potable water, groundwater, surface water, reclaimed water, etc.
- Air toxics refers to Hazardous Air Pollutant (HAPs) as defined by EPA
- Mercury, lead, and dioxins released refers to releases to air and water

Level 2 (Excavation) Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 3 v2																															
	Quantity Used	Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
		Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Extracted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Generated	Conv. Factor	Generated	Conv. Factor	Emitted	Conv. Factor	Released	Conv. Factor	Released	Conv. Factor	Released
		Mbtu		MWh		gal x 1000		gal x 1000		gal x 1000		lbs		lbs		lbs		lbs		tons		tons		lbs		lbs		lbs		lbs	
Totals			85,000.		0		0		0		0		14,000.		100.		3.3		2.1		0		6,100.		0.18		0		0		0
Energy																															
Diesel (on-site)	gal	614.58432	139	85,000.	0	0	0	0	0	0	0	22.5	14,000.	0.17	100.	0.0054	3.3	0.0034	2.1	0	0	0	0	0.0003	0.18	0	0	0	0	0	0
Gasoline (on-site use)	gal	0	124	0	0	0	0	0	0	0	0	19.6	0	0.11	0	0.0045	0	0.0005	0	0	0	0	0	0.0003	0	0	0	0	0	0	0
Natural gas (on-site use)	ccf	0	103	0	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0.29	0	0	0	0	0	0	0
Diesel (off-site use)	gal	26422.54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gasoline (off-site use)	gal	307.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site electricity use	MWh	0	3413	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity transmission*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity production*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Energy Subtotal			85,000.		0		0		0		0		14,000.		100.		3.3		2.1		0		6,100.		0.18		0		0		0
Materials																															
PVC	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gravel/sand	ton	5625	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cement Grout	dry-ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Concrete	tons	349.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bentonite	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Produced	gal	27037.124	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gasoline Produced	gal	307.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Groundwater Extracted On-site	gal x 1000	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Produced	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Transported	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Used	gal x 1000	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other On-Site Water Used	gal x 1000	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials Subtotal			0		0		0		0		0		0		0		0		0		0		0		0		0		0		0
Waste and Other Services																															
Off-site waste water treatment	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Generation	ton	6148.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6,100.	0	0	0	0	0	0	0	0
Hazardous Waste Disposal	ton	6148.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Laboratory Analysis	\$	7100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste and Other Services Subtotal			0		0		0		0		0		0		0		0		0		0		6,100.		0		0		0		0
Other																															
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Subtotal			0		0		0		0		0		0		0		0		0		0		0		0		0		0		0

Notes:
 - All results are rounded to two significant digits
 - Groundwater extracted refers to Groundwater extracted on-site that is not reinjected to an aquifer of similar quality
 - All water refers to all water of any variety used on-site that is not returned to its original source. This can include potable water, groundwater, surface water, reclaimed water, etc.
 - Air toxics refers to Hazardous Air Pollutant (HAPs) as defined by EPA

		Quantity Used	Level 2 (Excavation) Total On-Site and Off-Site Parameters - Alternative 3 v2														
			Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
			Used Mbtu	Used MWh	Used gal x 1000	Used gal x 1000	Extracted gal x 1000	Emitted lbs	Emitted lbs	Emitted lbs	Emitted lbs	Generated tons	Generated tons	Emitted lbs	Released lbs	Released lbs	Released lbs
Totals			6,100,000.	96.	1,800.	0	0	1,000,000.	6,200.	1,300.	2,800.	0.064	6,100.	26.	0.011	0.1	0.000000087
Energy																	
Diesel (on-site)	gal	614.58432	85,000.	0	0	0	0	14,000.	100.	3.3	2.1	0	0	0.18	0	0	0
Gasoline (on-site use)	gal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural gas (on-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel (off-site use)	gal	26422.54	3,700,000.	0	0	0	0	590,000.	4,500.	140.	90.	0	0	7.9	0	0	0
Gasoline (off-site use)	gal	307.2	38,000.	0	0	0	0	6,000.	34.	1.4	0.17	0	0	0.092	0	0	0
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site electricity use	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity transmission*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity production*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Energy Subtotal			3,800,000.	0	0	0	0	610,000.	4,600.	140.	92.	0	0	8.2	0	0	0
Materials																	
PVC	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gravel/sand	ton	5625	310,000.	15.	730.	0	0	38,000.	190.	170.	23.	0	0	0.0023	0.00000036	0.0000068	0.000000000084
Cement Grout	dry-ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Concrete	tons	349.2	280,000.	9.1	66.	0	0	120,000.	240.	140.	1.5	0.0000098	0	3.8	0.0035	0.0084	0.0000000056
Bentonite	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Produced	gal	27037.124	500,000.	16.	21.	0	0	73,000.	170.	350.	9.2	0.0097	0	3.2	0.0013	0.041	0.00000000081
Gasoline Produced	gal	307.2	6,500.	0.18	0.24	0	0	1,400.	2.5	5.8	0.16	0.00013	0	0.049	0.000026	0.00068	0.000000000095
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Groundwater Extracted On-site	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Produced	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Transported	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other On-Site Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials Subtotal			1,100,000.	40.	820.	0	0	230,000.	600.	670.	34.	0.0098	0	7.1	0.0048	0.05	0.000000064
Waste and Other Services																	
Off-site waste water treatment	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Generation	ton	6148.8	0	0	0	0	0	0	0	0	0	6,100.	0	0	0	0	0
Hazardous Waste Disposal	ton	6148.8	1,100,000.	52.	1,000.	0	0	170,000.	950.	510.	2,700.	0.054	0	9.5	0.0066	0.051	0.000000081
Laboratory Analysis	\$	7100	62,000.	3.6	4.	0	0	9,200.	32.	21.	0.81	0	0	1.5	0	0	0
Waste and Other Services Subtotal			1,200,000.	56.	1,000.	0	0	180,000.	980.	530.	2,700.	0.054	6,100.	11.	0.0066	0.051	0.000000081
Other																	
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Subtotal			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Notes:
 - All results are rounded to two significant digits
 - All water refers to all water of any variety (excluding sea water) that is used. This can include potable water, groundwater, surface water, reclaimed water, etc.
 - Air toxics refers to Hazardous Air Pollutant (HAPs) as defined by EPA
 - Mercury, lead, and dioxins released refers to releases to air and water

Level 3 (Construction) Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 3 v2																															
	Quantity Used	Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
		Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Generated	Conv. Factor	Generated	Conv. Factor	Emitted	Conv. Factor	Released	Conv. Factor	Released	Conv. Factor	Released
			Mbtu		MWh		gal x 1000		gal x 1000		gal x 1000		lbs		lbs		lbs		lbs		tons		tons		lbs		lbs		lbs		lbs
Totals			1,300,000.		0		36.		8.5		27.		210,000.		1,600.		51.		32.		0		150.		2.8		0		0		0
Energy																															
Diesel (on-site)	gal	9413.6	139	1,300,000.	0	0	0	0	0	0	0	22.5	210,000.	0.17	1,600.	0.0054	51.	0.0034	32.	0	0	0	0	0.0003	2.8	0	0	0	0	0	0
Gasoline (on-site use)	gal	0	124	0	0	0	0	0	0	0	0	19.6	0	0.11	0	0.0045	0	0.0005	0	0	0	0	0	0.0003	0	0	0	0	0	0	0
Natural gas (on-site use)	ccf	0	103	0	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0.29	0	0	0	0	0	0	0
Diesel (off-site use)	gal	973.5792	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gasoline (off-site use)	gal	2507.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site electricity use	MWh	0	3413	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity transmission*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity production*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Energy Subtotal			1,300,000.		0		0		0		0		210,000.		1,600.		51.		32.		0		0		2.8		0		0		0
Materials																															
PVC	lb	9329.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Steel	lb	8704	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gravel/sand	ton	26.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cement Grout	dry-ton	66.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Concrete	tons	26.0304	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bentonite	ton	0.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Produced	gal	10387.179	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gasoline Produced	gal	2507.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Groundwater Extracted On-site	gal x 1000	27.2	0	0	0	1	27.	0	0	1	27.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Produced	gal x 1000	8.54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Transported	gal x 1000	8.54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Used	gal x 1000	8.54	0	0	0	1	8.5	1	8.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other On-Site Water Used	gal x 1000	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials Subtotal			0		0		36.		8.5		27.		0		0		0		0		0		0		0		0		0		0
Waste and Other Services																															
Off-site waste water treatment	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Generation	ton	149.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	150.	0	0	0	0	0	0	0	0
Hazardous Waste Disposal	ton	149.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Laboratory Analysis	\$	1400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste and Other Services Subtotal			0		0		0		0		0		0		0		0		0		0		150.		0		0		0		0
Other																															
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Subtotal			0		0		0		0		0		0		0		0		0		0		0		0		0		0		0

Notes:
 - All results are rounded to two significant digits
 - Groundwater extracted refers to Groundwater extracted on-site that is not reinjected to an aquifer of similar quality
 - All water refers to all water of any variety used on-site that is not returned to its original source. This can include potable water, groundwater, surface water, reclaimed water, etc.
 - Air toxics refers to Hazardous Air Pollutant (HAPs) as defined by EPA

		Level 3 (Construction) Total On-Site and Off-Site Parameters - Alternative 3 v2															
		Quantity Used	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
			Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
			Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Totals			2,600,000.	26.	180.	8.5	27.	510,000.	2,500.	510.	120.	2.2	150.	15.	0.0091	0.055	0.000064
Energy																	
Diesel (on-site)	gal	9413.6	1,300,000.	0	0	0	0	210,000.	1,600.	51.	32.	0	0	2.8	0	0	0
Gasoline (on-site use)	gal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural gas (on-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel (off-site use)	gal	973.5792	140,000.	0	0	0	0	22,000.	170.	5.3	3.3	0	0	0.29	0	0	0
Gasoline (off-site use)	gal	2507.6	310,000.	0	0	0	0	49,000.	280.	11.	1.4	0	0	0.75	0	0	0
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site electricity use	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity transmission*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity production*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Energy Subtotal			1,800,000.	0	0	0	0	280,000.	2,100.	67.	37.	0	0	3.8	0	0	0
Materials																	
PVC	lb	9329.6	210,000.	5.2	64.	0	0	38,000.	45.	71.	11.	0.021	0.015	4.4	0.0032	0.0012	0.000064
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Steel	lb	8704	38,000.	1.8	5.6	0	0	9,600.	12.	15.	4.9	2.2	0	0.58	0.00087	0.022	0.000000057
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gravel/sand	ton	26.4	1,500.	0.071	3.4	0	0	180.	0.87	0.79	0.11	0	0	0.000011	0.0000000017	0.000000032	0.00000000000004
Cement Grout	dry-ton	66.9	270,000.	8.7	27.	0	0	120,000.	240.	140.	0.42	0	0	3.9	0.0038	0.0087	0.0000000057
Concrete	tons	26.0304	21,000.	0.68	4.9	0	0	8,700.	18.	11.	0.11	0.00000073	0	0.29	0.00026	0.00062	0.0000000042
Bentonite	ton	0.7	39.	0.0019	0.091	0	0	4.7	0.023	0.021	0.0028	0	0	0.00000029	0.00000000045	0.00000000084	0.000000000000011
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Produced	gal	10387.179	190,000.	6.1	8.	0	0	28,000.	66.	140.	3.5	0.0037	0	1.2	0.0005	0.016	0.0000000031
Gasoline Produced	gal	2507.6	53,000.	1.5	2.	0	0	11,000.	20.	48.	1.3	0.0011	0	0.4	0.00021	0.0055	0.00000000078
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Groundwater Extracted On-site	gal x 1000	27.2	0	0	27.	0	27.	0	0	0	0	0	0	0	0	0	0
Potable Water Produced	gal x 1000	8.54	79.	0.0038	0.18	0	0	43.	0.083	0.05	0.14	0.0000071	0	0.00013	0.00000007	0.00000057	0.0000000000085
Potable Water Transported	gal x 1000	8.54	63.	0.0055	0.04	0	0	4.4	0.0046	0.037	0.00048	0.000005	0	0	0.000023	0.00000033	0.0000000000029
Potable Water Used	gal x 1000	8.54	0	0	8.5	8.5	0	0	0	0	0	0	0	0	0	0	0
Other On-Site Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials Subtotal			780,000.	24.	150.	8.5	27.	220,000.	400.	430.	21.	2.2	0.015	11.	0.0089	0.054	0.000064
Waste and Other Services																	
Off-site waste water treatment	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Generation	ton	149.6	0	0	0	0	0	0	0	0	0	0	150.	0	0	0	0
Hazardous Waste Disposal	ton	149.6	26,000.	1.3	25.	0	0	4,100.	23.	12.	66.	0.0013	0	0.23	0.00016	0.0013	0.000000002
Laboratory Analysis	\$	1400	12,000.	0.7	0.78	0	0	1,800.	6.3	4.2	0.16	0	0	0.29	0	0	0
Waste and Other Services Subtotal			38,000.	2.	26.	0	0	5,900.	29.	16.	66.	0.0013	150.	0.52	0.00016	0.0013	0.000000002
Other																	
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Subtotal			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Notes:
 - All results are rounded to two significant digits
 - All water refers to all water of any variety (excluding sea water) that is used. This can include potable water, groundwater, surface water, reclaimed water, etc.
 - Air toxics refers to Hazardous Air Pollutant (HAPs) as defined by EPA
 - Mercury, lead, and dioxins released refers to releases to air and water

Level 4 (O&M) Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 3 v2																															
	Quantity Used	Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
		Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Generated	Conv. Factor	Generated	Conv. Factor	Emitted	Conv. Factor	Released	Conv. Factor	Released	Conv. Factor	Released
			Mbtu		MWh		gal x 1000		gal x 1000		gal x 1000		lbs		lbs		lbs		lbs		tons		tons		lbs		lbs		lbs		lbs
Totals			69,000.		20.		0		0		0		0		0		0		0		0		0		0		0		0		0
Energy																															
Diesel (on-site)	gal	0	139	0	0	0	0	0	0	0	0	22.5	0	0.17	0	0.0054	0	0.0034	0	0	0	0	0	0.0003	0	0	0	0	0	0	0
Gasoline (on-site use)	gal	0	124	0	0	0	0	0	0	0	0	19.6	0	0.11	0	0.0045	0	0.0005	0	0	0	0	0	0.0003	0	0	0	0	0	0	0
Natural gas (on-site use)	ccf	0	103	0	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0.29	0	0	0	0	0	0	0
Diesel (off-site use)	gal	35860.666	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Gasoline (off-site use)	gal	7392	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site electricity use	MWh	20.16	3413	69,000.	1	20.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity transmission*	MWh	20.16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity production*	MWh	20.16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Energy Subtotal			69,000.		20.		0		0		0		0		0		0		0		0		0		0		0		0		0
Materials																															
PVC	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gravel/sand	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cement Grout	dry-ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Concrete	tons	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bentonite	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Molasses)	lbs	2612088	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	1200960	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Produced	gal	35860.666	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gasoline Produced	gal	7392	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Groundwater Extracted On-site	gal x 1000	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Produced	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Transported	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Used	gal x 1000	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other On-Site Water Used	gal x 1000	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials Subtotal			0		0		0		0		0		0		0		0		0		0		0		0		0		0		0
Waste and Other Services																															
Off-site waste water treatment	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Hazardous Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Laboratory Analysis	\$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste and Other Services Subtotal			0		0		0		0		0		0		0		0		0		0		0		0		0		0		0
Other																															
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Subtotal			0		0		0		0		0		0		0		0		0		0		0		0		0		0		0

Notes:
 - All results are rounded to two significant digits
 - Groundwater extracted refers to Groundwater extracted on-site that is not reinjected to an aquifer of similar quality
 - All water refers to all water of any variety used on-site that is not returned to its original source. This can include potable water, groundwater, surface water, reclaimed water, etc.
 - Air toxics refers to Hazardous Air Pollutant (HAPs) as defined by EPA

		Level 4 (O&M) Total On-Site and Off-Site Parameters - Alternative 3 v2																													
	Quantity Used	Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
		Used	Used	Used	Used	Used	Used	Used	Used	Used	Used	Used	Used	Used	Used	Used	Used	Used	Used	Used	Generated	Generated	Emitted	Released	Released	Released	Released	Released	Released	Released	
		Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	Emitted lbs	Emitted lbs	Emitted lbs	Emitted lbs	Emitted lbs	Emitted lbs	Emitted lbs	Emitted lbs	Emitted lbs	Emitted lbs	Emitted lbs	Generated tons	Generated tons	Emitted lbs	Released lbs	Released lbs	Released lbs	Released lbs	Released lbs	Released lbs	Released lbs
Totals			13,000,000.	62.	420.	0	0	0	0	3,400,000.	25,000.	19,000.	510.	0.034	0	20.	0.0024	0.071	0.0000000015												
Energy																															
Diesel (on-site)	gal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gasoline (on-site use)	gal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural gas (on-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel (off-site use)	gal	35860.666	5,000,000.	0	0	0	0	0	0	810,000.	6,100.	190.	120.	0	0	11.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gasoline (off-site use)	gal	7392	920,000.	0	0	0	0	0	0	140,000.	810.	33.	4.	0	0	2.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site electricity use	MWh	20.16	69,000.	20.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity transmission*	MWh	20.16	8,300.	2.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity production*	MWh	20.16	160,000.	1.2	150.	0	0	0	0	16,000.	17.	140.	1.8	0.018	0	0.34	0.000052	0.00062	0.0000000017												
Energy Subtotal			6,200,000.	24.	150.	0	0	0	0	970,000.	6,900.	360.	130.	0.018	0	14.	0.000052	0.00062	0.0000000017												
Materials																															
PVC	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gravel/sand	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cement Grout	dry-ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Concrete	tons	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bentonite	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Molasses)	lbs	2612088	3,400,000.	13.	240.	0	0	0	0	1,000,000.	7,800.	6,800.	160.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	1200960	2,200,000.	0	0	0	0	0	0	1,300,000.	10,000.	12,000.	200.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Produced	gal	35860.666	660,000.	21.	28.	0	0	0	0	97,000.	230.	470.	12.	0.013	0	4.3	0.0017	0.054	0.0000000011												
Gasoline Produced	gal	7392	160,000.	4.4	5.8	0	0	0	0	33,000.	59.	140.	3.8	0.0031	0	1.2	0.00063	0.016	0.0000000023												
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Groundwater Extracted On-site	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Produced	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Transported	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other On-Site Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials Subtotal			6,400,000.	38.	270.	0	0	0	0	2,400,000.	18,000.	19,000.	380.	0.016	0	5.5	0.0023	0.07	0.0000000013												
Waste and Other Services																															
Off-site waste water treatment	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Laboratory Analysis	\$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste and Other Services Subtotal			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Other																															
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Subtotal			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Notes:
 - All results are rounded to two significant digits
 - All water refers to all water of any variety (excluding sea water) that is used. This can include potable water, groundwater, surface water, reclaimed water, etc.
 - Air toxics refers to Hazardous Air Pollutant (HAPs) as defined by EPA
 - Mercury, lead, and dioxins released refers to releases to air and water

		Level 5 (LTM) Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 3 v2																													
	Quantity Used	Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
		Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Extracted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Generated	Conv. Factor	Generated	Conv. Factor	Emitted	Conv. Factor	Released	Conv. Factor	Released	Conv. Factor	Released
			Mbtu		MWh		gal x 1000		gal x 1000		gal x 1000		lbs		lbs		lbs		lbs		tons		tons		lbs		lbs		lbs		lbs
Totals			16,000.		0		0		0		0		2,500.		14.		0.57		0.069		0		0		0.038		0		0		0
Energy																															
Diesel (on-site)	gal	0	139	0	0	0	0	0	0	0	0	22.5	0	0.17	0	0.0054	0	0.0034	0	0	0	0	0	0.0003	0	0	0	0	0	0	0
Gasoline (on-site use)	gal	127.2	124	16,000.	0	0	0	0	0	0	0	19.6	2,500.	0.11	14.	0.0045	0.57	0.0005	0.069	0	0	0	0	0.0003	0.038	0	0	0	0	0	0
Natural gas (on-site use)	ccf	0	103	0	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0.29	0	0	0	0	0	0	0
Diesel (off-site use)	gal	16.5375	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gasoline (off-site use)	gal	844.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site electricity use	MWh	0	3413	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity transmission*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity production*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Energy Subtotal			16,000.		0		0		0		0		2,500.		14.		0.57		0.069		0		0		0.038		0		0		0
Materials																															
PVC	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Steel	lb	6615	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gravel/sand	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cement Grout	dry-ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Concrete	tons	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bentonite	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Produced	gal	16.5375	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gasoline Produced	gal	972	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Groundwater Extracted On-site	gal x 1000	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Produced	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Transported	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Used	gal x 1000	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other On-Site Water Used	gal x 1000	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials Subtotal			0		0		0		0		0		0		0		0		0		0		0		0		0		0		0
Waste and Other Services																															
Off-site waste water treatment	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Hazardous Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Laboratory Analysis	\$	770400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste and Other Services Subtotal			0		0		0		0		0		0		0		0		0		0		0		0		0		0		0
Other																															
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Other Subtotal			0		0		0		0		0		0		0		0		0		0		0		0		0		0		0

Notes:
 - All results are rounded to two significant digits
 - Groundwater extracted refers to Groundwater extracted on-site that is not reinjected to an aquifer of similar quality
 - All water refers to all water of any variety used on-site that is not returned to its original source. This can include potable water, groundwater, surface water, reclaimed water, etc.
 - Air toxics refers to Hazardous Air Pollutant (HAPs) as defined by EPA

		Level 5 (LTM) Parameters Used, Extracted, Emitted, or Generated Off-Site - Alternative 3 v2																															
		Quantity Used	Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins		
			Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Generated	Conv. Factor	Generated	Conv. Factor	Emitted	Conv. Factor	Released	Conv. Factor	Released	Conv. Factor	Released	
		Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs		
Totals			6,900,000.		390.		440.		0		0		1,000,000.		3,600.		2,300.		93.		1.7		0		160.		0.00074		0.019		0.00000043		
Energy																																	
Diesel (on-site)	gal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Gasoline (on-site use)	gal	127.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Natural gas (on-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Diesel (off-site use)	gal	16.5375	139	2,300.	0	0	0	0	0	0	0	22.5	370.	0.17	2.8	0.0054	0.089	0.0034	0.056	0	0	0	0	0.0003	0.005	0	0	0	0	0	0		
Gasoline (off-site use)	gal	844.8	124	100,000.	0	0	0	0	0	0	0	19.6	17,000.	0.11	93.	0.0045	3.8	0.0005	0.46	0	0	0	0	0.0003	0.25	0	0	0	0	0	0		
Natural gas (off-site use)	ccf	0	103	0	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0.29	0	0	0	0	0	0	0		
On-site electricity use	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Electricity transmission*	MWh	0	410	0	0.12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Electricity production*	MWh	0	7800	0	0.06	0	7.3	0	0	0	0	0	800	0	0.84	0	6.7	0	0.087	0	0.0009	0	0	0	0.017	0	3E-06	0	3E-05	0	9E-12	0	
Energy Subtotal			100,000.		0		0		0		0		17,000.		96.		3.9		0.52		0		0		0.26		0		0		0		
Materials																																	
PVC	lb	0	22	0	0.0006	0	0.0069	0	0	0	0	4.1	0	0.0048	0	0.0076	0	0.0012	0	2E-06	0	2E-06	0	0.0005	0	3E-07	0	1E-07	0	7E-09	0		
HDPE	lb	0	31	0	0.0003	0	0.0023	0	0	0	0	1.9	0	0.0032	0	0.0041	0	0.0006	0	4E-07	0	1E-06	0	3E-06	0	3E-09	0	2E-09	0	1E-09	0		
Steel	lb	6615	4.4	29,000.	0.0002	1.4	0.0006	4.2	0	0	0	1.1	7,300.	0.0014	9.3	0.0017	11.	0.0006	3.7	0.0003	1.7	0	0	7E-05	0.44	1E-07	0.00066	3E-06	0.017	7E-12	0.000000043		
Stainless Steel	lb	0	11.6	0	0.0006	0	0.0023	0	0	0	0	3.4	0	0.0075	0	0.012	0	0.0044	0	0.0006	0	0	0	0.0001	0	0	0	5E-07	0	2E-12	0		
Gravel/sand	ton	0	55	0	0.0027	0	0.13	0	0	0	0	6.7	0	0.033	0	0.03	0	0.004	0	0	0	0	0	4E-07	0	6E-11	0	1E-09	0	2E-16	0		
Cement Grout	dry-ton	0	4100	0	0.13	0	0.41	0	0	0	0	1800	0	3.6	0	2.1	0	0.0063	0	0	0	0	0	0.058	0	6E-05	0	0.0001	0	9E-11	0		
Concrete	tons	0	793	0	0.026	0	0.19	0	0	0	0	335	0	0.68	0	0.41	0	0.0044	0	3E-08	0	0	0	0.011	0	1E-05	0	2E-05	0	2E-11	0		
Bentonite	ton	0	55	0	0.0027	0	0.13	0	0	0	0	6.7	0	0.033	0	0.03	0	0.004	0	0	0	0	0	4E-07	0	6E-11	0	1E-09	0	2E-16	0		
Regenerated GAC	lbs	0	9.6	0	0.0004	0	0.0064	0	0	0	0	2	0	0.025	0	0.015	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Bioinjection (Molasses)	lbs	0	1.31	0	5E-06	0	9E-05	0	0	0	0	0.4	0	0.003	0	0.0026	0	6E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bioinjection (Cheese Whey)	lbs	0	1.87	0	0	0	0	0	0	0	0	1.1	0	0.0083	0	0.0099	0	0.0002	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bioinjection (Vegetable Oil)	lbs	0	3.6	0	6E-05	0	2E-05	0	0	0	0	3.51	0	0.0265	0	0.031	0	0.0017	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Diesel Produced	gal	16.5375	18.5	310.	0.0006	0.0098	0.0008	0.013	0	0	0	2.7	45.	0.0064	0.11	0.013	0.21	0.0003	0.0056	4E-07	0.000006	0	0	0.0001	0.002	5E-08	0.00000079	2E-06	0.000025	3E-14	0.000000000005		
Gasoline Produced	gal	972	21	20,000.	0.0006	0.57	0.0008	0.77	0	0	0	4.4	4,300.	0.008	7.8	0.019	18.	0.0005	0.51	4E-07	0.00041	0	0	0.0002	0.16	9E-08	0.000083	2E-06	0.0021	3E-14	0.000000000003		
Natural Gas Produced	ccf	0	5.2	0	0.0003	0	8E-05	0	0	0	0	2.2	0	0.0037	0	0.0046	0	7E-05	0	0	0	0	0	6E-06	0	2E-08	0	9E-07	0	5E-14	0		
Groundwater Extracted On-site	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Potable Water Produced	gal x 1000	0	9.2	0	0.0004	0	0.021	0	0	0	0	5	0	0.0097	0	0.0059	0	0.016	0	8E-07	0	0	0	2E-05	0	8E-09	0	7E-08	0	1E-13	0		
Potable Water Transported	gal x 1000	0	7.4	0	0.0006	0	0.0047	0	0	0	0	0.5168	0	0.0005	0	0.0043	0	6E-05	0	6E-07	0	0	0	0	0	3E-06	0	4E-08	0	3E-14	0		
Potable Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Other On-Site Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Materials Subtotal			49,000.		2.		5.		0		0		12,000.		17.		29.		4.2		1.7		0		0.6		0.00074		0.019		0.00000043		
Waste and Other Services																																	
Off-site waste water treatment	gal x 1000	0	3.7	0	0.0002	0	0.0008	0	0	0	0	3	0	0.0061	0	0.0029	0	8E-05	0	5E-07	0	0	0	0.0001	0	8E-08	0	6E-07	0	1E-12	0		
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Solid Waste Disposal	ton	0	160	0	0.0077	0	0.15	0	0	0	0	25	0	0.14	0	0.075	0	0.4	0	8E-06	0	0	0	0.0014	0	1E-06	0	8E-06	0	1E-11	0	0	
Hazardous Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Hazardous Waste Disposal	ton	0	176	0	0.0085	0	0.165	0	0	0	0	27.5	0	0.154	0	0.0825	0	0.44	0	9E-06	0	0	0	0.0015	0	1E-06	0	8E-06	0	1E-11	0	0	
Laboratory Analysis	\$	770400	8.8	6,800,000.	0.0005	390.	0.0006	430.	0	0	0	1.3	1,000,000.	0.0045	3,500.	0.003	2,300.	0.0001	88.	0	0	0	0	0.0002	160.	0	0	0	0	0	0	0	
Waste and Other Services Subtotal			6,800,000.		390.		430.		0		0		1,000,000.		3,500.		2,300.		88.		0		0		160.		0		0		0		
Other																																	
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Other Subtotal			0		0		0		0		0		0		0		0		0		0		0		0		0		0		0		0

Notes:
- All results are rounded to two significant digits
- All water refers to all water of any variety (excluding sea water) that is used. This can include potable water, groundwater, surface water, reclaimed water, etc.
- Air toxics refers to Hazardous Air Pollutant (HAPs) as defined by EPA
- Mercury, lead, and dioxins released refers to releases to air and water

		Level 5 (LTM) Total On-Site and Off-Site Parameters - Alternative 3 v2														
	Quantity Used	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
		Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
		Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Totals		7,000,000.	390.	440.	0	0	1,000,000.	3,600.	2,300.	93.	1.7	0	160.	0.00074	0.019	0.000000043
Energy																
Diesel (on-site)	gal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gasoline (on-site use)	gal	127.2	16,000.	0	0	0	2,500.	14.	0.57	0.069	0	0	0.038	0	0	0
Natural gas (on-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel (off-site use)	gal	16.5375	2,300.	0	0	0	370.	2.8	0.089	0.056	0	0	0.005	0	0	0
Gasoline (off-site use)	gal	844.8	100,000.	0	0	0	17,000.	93.	3.8	0.46	0	0	0.25	0	0	0
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site electricity use	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity transmission*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity production*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Energy Subtotal		120,000.	0	0	0	0	20,000.	110.	4.5	0.59	0	0	0.29	0	0	0
Materials																
PVC	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Steel	lb	6615	29,000.	1.4	4.2	0	7,300.	9.3	11.	3.7	1.7	0	0.44	0.00066	0.017	0.000000043
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gravel/sand	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cement Grout	dry-ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Concrete	tons	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bentonite	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Produced	gal	16.5375	310.	0.0098	0.013	0	45.	0.11	0.21	0.0056	0.000006	0	0.002	0.0000079	0.000025	0.0000000000005
Gasoline Produced	gal	972	20,000.	0.57	0.77	0	4,300.	7.8	18.	0.51	0.00041	0	0.16	0.000083	0.0021	0.000000000003
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Groundwater Extracted On-site	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Produced	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Transported	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other On-Site Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials Subtotal		49,000.	2.	5.	0	0	12,000.	17.	29.	4.2	1.7	0	0.6	0.00074	0.019	0.000000043
Waste and Other Services																
Off-site waste water treatment	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Laboratory Analysis	\$	770400	6,800,000.	390.	430.	0	1,000,000.	3,500.	2,300.	88.	0	0	160.	0	0	0
Waste and Other Services Subtotal			6,800,000.	390.	430.	0	1,000,000.	3,500.	2,300.	88.	0	0	160.	0	0	0
Other																
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Subtotal		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Notes:
 - All results are rounded to two significant digits
 - All water refers to all water of any variety (excluding sea water) that is used. This can include potable water, groundwater, surface water, reclaimed water, etc.
 - Air toxics refers to Hazardous Air Pollutant (HAPs) as defined by EPA
 - Mercury, lead, and dioxins released refers to releases to air and water

	Quantity Used	Level 6 (Decomm.) Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 3 v2																													
		Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
		Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Generated	Conv. Factor	Generated	Conv. Factor	Emitted	Conv. Factor	Released	Conv. Factor	Released	Conv. Factor	Released
		Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	
Totals			3,100.		0		1.9		1.9		0		500.		3.8		0.12		0.076		0		0		0.0067		0		0		0
Energy																															
Diesel (on-site)	gal	22.4	139	3,100.	0	0	0	0	0	0	0	22.5	500.	0.17	3.8	0.0054	0.12	0.0034	0.076	0	0	0	0	0.0003	0.0067	0	0	0	0	0	
Gasoline (on-site use)	gal	0	124	0	0	0	0	0	0	0	0	19.6	0	0.11	0	0.0045	0	0.0005	0	0	0	0	0	0.0003	0	0	0	0	0	0	
Natural gas (on-site use)	ccf	0	103	0	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0.29	0	0	0	0	0	0	
Diesel (off-site use)	gal	7.35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Gasoline (off-site use)	gal	288	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
On-site electricity use	MWh	0	3413	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Electricity transmission*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Electricity production*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Energy Subtotal			3,100.		0		0		0		0		500.		3.8		0.12		0.076		0		0		0.0067		0		0		0
Materials																															
PVC	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Gravel/sand	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Cement Grout	dry-ton	14.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Concrete	tons	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bentonite	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Diesel Produced	gal	29.75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Gasoline Produced	gal	288	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Groundwater Extracted On-site	gal x 1000	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Potable Water Produced	gal x 1000	1.877	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Potable Water Transported	gal x 1000	1.877	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Potable Water Used	gal x 1000	1.877	0	0	0	1	1.9	1	1.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Other On-Site Water Used	gal x 1000	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Materials Subtotal			0		0		1.9		1.9		0		0		0		0		0		0		0		0		0		0		0
Waste and Other Services																															
Off-site waste water treatment	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Hazardous Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	
Hazardous Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Laboratory Analysis	\$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Waste and Other Services Subtotal			0		0		0		0		0		0		0		0		0		0		0		0		0		0		0
Other																															
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Other Subtotal			0		0		0		0		0		0		0		0		0		0		0		0		0		0		0

Notes:
 - All results are rounded to two significant digits
 - Groundwater extracted refers to Groundwater extracted on-site that is not reinjected to an aquifer of similar quality
 - All water refers to all water of any variety used on-site that is not returned to its original source. This can include potable water, groundwater, surface water, reclaimed water, etc.
 - Air toxics refers to Hazardous Air Pollutant (HAPs) as defined by EPA

		Level 6 (Decomm.) Parameters Used, Extracted, Emitted, or Generated Off-Site - Alternative 3 v2																													
Quantity Used	Conv. Factor	Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
		Used	Mbtu	Used	MWh	Used	gal x 1000	Used	gal x 1000	Used	gal x 1000	Used	Emitted	Used	Emitted	Used	Emitted	Used	Emitted	Used	Generated	Used	Generated	Used	Emitted	Used	Released	Used	Released	Used	Released
Totals			100,000.		2.1		6.3		0		0		33,000.		89.		38.		0.47		0.00013		0		0.99		0.00087		0.0026		0.000000012
Energy																															
Diesel (on-site)	gal	22.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gasoline (on-site use)	gal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural gas (on-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel (off-site use)	gal	7.35	139	1,000.	0	0	0	0	0	0	22.5	170.	0.17	1.2	0.0054	0.04	0.0034	0.025	0	0	0	0	0.0003	0.0022	0	0	0	0	0	0	0
Gasoline (off-site use)	gal	288	124	36,000.	0	0	0	0	0	0	19.6	5,600.	0.11	32.	0.0045	1.3	0.0005	0.16	0	0	0	0	0.0003	0.086	0	0	0	0	0	0	
Natural gas (off-site use)	ccf	0	103	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0	0.29	0	0	0	0	0	0	
On-site electricity use	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Electricity transmission*	MWh	0	410	0	0.12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Electricity production*	MWh	0	7800	0	0.06	0	7.3	0	0	0	0	800	0	0.84	0	6.7	0	0.087	0	0.0009	0	0	0	0.017	0	3E-06	0	3E-05	0	9E-12	
Energy Subtotal			37,000.		0		0		0		0		5,800.		33.		1.3		0.19		0		0		0.088		0		0	0	
Materials																															
PVC	lb	0	22	0	0.0006	0	0.0069	0	0	0	4.1	0	0.0048	0	0.0076	0	0.0012	0	2E-06	0	2E-06	0	0.0005	0	3E-07	0	1E-07	0	7E-09	0	
HDPE	lb	0	31	0	0.0003	0	0.0023	0	0	0	1.9	0	0.0032	0	0.0041	0	0.0006	0	4E-07	0	1E-06	0	3E-06	0	3E-09	0	2E-09	0	1E-09	0	
Steel	lb	0	4.4	0	0.0002	0	0.0006	0	0	0	1.1	0	0.0014	0	0.0017	0	0.0006	0	0.0003	0	0	0	7E-05	0	1E-07	0	3E-06	0	7E-12	0	
Stainless Steel	lb	0	11.6	0	0.0006	0	0.0023	0	0	0	3.4	0	0.0075	0	0.012	0	0.0044	0	0.0006	0	0	0	0.0001	0	0	0	5E-07	0	2E-12	0	
Gravel/sand	ton	0	55	0	0.0027	0	0.13	0	0	0	6.7	0	0.033	0	0.03	0	0.004	0	0	0	0	0	4E-07	0	6E-11	0	1E-09	0	2E-16	0	
Cement Grout	dry-ton	14.7	4100	60,000.	0.13	1.9	0.41	6.	0	0	1800	26,000.	3.6	53.	2.1	31.	0.0063	0.093	0	0	0	0.058	0.85	6E-05	0.00084	0.0001	0.0019	9E-11	0.00000000012		
Concrete	tons	0	793	0	0.026	0	0.19	0	0	0	335	0	0.68	0	0.41	0	0.0044	0	3E-08	0	0	0	0.011	0	1E-05	0	2E-05	0	2E-11	0	
Bentonite	ton	0	55	0	0.0027	0	0.13	0	0	0	6.7	0	0.033	0	0.03	0	0.004	0	0	0	0	0	4E-07	0	6E-11	0	1E-09	0	2E-16	0	
Regenerated GAC	lbs	0	9.6	0	0.0004	0	0.0064	0	0	0	2	0	0.025	0	0.015	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bioinjection (Molasses)	lbs	0	1.31	0	5E-06	0	9E-05	0	0	0	0.4	0	0.003	0	0.0026	0	6E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bioinjection (Cheese Whey)	lbs	0	1.87	0	0	0	0	0	0	0	1.1	0	0.0083	0	0.0099	0	0.0002	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bioinjection (Vegetable Oil)	lbs	0	3.6	0	6E-05	0	2E-05	0	0	0	3.51	0	0.0265	0	0.031	0	0.0017	0	0	0	0	0	0	0	0	0	0	0	0	0	
Diesel Produced	gal	29.75	18.5	550.	0.0006	0.018	0.0008	0.023	0	0	2.7	80.	0.0064	0.19	0.013	0.39	0.0003	0.01	4E-07	0.000011	0	0	0.0001	0.0036	5E-08	0.0000014	2E-06	0.000045	3E-14	0.00000000000089	
Gasoline Produced	gal	288	21	6,000.	0.0006	0.17	0.0008	0.23	0	0	4.4	1,300.	0.008	2.3	0.019	5.5	0.0005	0.15	4E-07	0.00012	0	0	0.0002	0.046	9E-08	0.000024	2E-06	0.00063	3E-14	0.00000000000089	
Natural Gas Produced	ccf	0	5.2	0	0.0003	0	8E-05	0	0	0	2.2	0	0.0037	0	0.0046	0	7E-05	0	0	0	0	0	6E-06	0	2E-08	0	9E-07	0	5E-14	0	
Groundwater Extracted On-site	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Potable Water Produced	gal x 1000	1.877	9.2	17.	0.0004	0.00083	0.021	0.039	0	0	5	9.4	0.0097	0.018	0.0059	0.011	0.016	0.03	8E-07	0.0000016	0	0	2E-05	0.000028	8E-09	0.000000015	7E-08	0.00000013	1E-13	0.000000000000019	
Potable Water Transported	gal x 1000	1.877	7.4	14.	0.0006	0.0012	0.0047	0.0089	0	0	0.5168	0.97	0.0005	0.001	0.0043	0.0081	6E-05	0.00011	6E-07	0.0000011	0	0	0	0	3E-06	0.000005	4E-08	0.000000073	3E-14	0.000000000000055	
Potable Water Used	gal x 1000	1.877	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Other On-Site Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Materials Subtotal			67,000.		2.1		6.3		0		0		27,000.		56.		37.		0.28		0.00013		0		0.9		0.00087		0.0026		0.000000012
Waste and Other Services																															
Off-site waste water treatment	gal x 1000	0	3.7	0	0.0002	0	0.0008	0	0	0	3	0	0.0061	0	0.0029	0	8E-05	0	5E-07	0	0	0	0.0001	0	8E-08	0	6E-07	0	1E-12	0	
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	160	0	0.0077	0	0.15	0	0	0	25	0	0.14	0	0.075	0	0.4	0	8E-06	0	0	0	0.0014	0	1E-06	0	8E-06	0	1E-11	0	
Hazardous Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Disposal	ton	0	176	0	0.0085	0	0.165	0	0	0	27.5	0	0.154	0	0.0825	0	0.44	0	9E-06	0	0	0	0.0015	0	1E-06	0	8E-06	0	1E-11	0	
Laboratory Analysis	\$	0	8.8	0	0.0005	0	0.0006	0	0	0	1.3	0	0.0045	0	0.003	0	0.0001	0	0	0	0	0	0.0002	0	0	0	0	0	0	0	
Waste and Other Services Subtotal			0		0		0		0		0		0		0		0		0		0		0		0		0		0	0	0
Other																															
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Subtotal			0		0		0		0		0		0		0		0		0		0		0		0		0		0	0	0

- Notes:
- All results are rounded to two significant digits
- All water refers to all water of any variety (excluding sea water) that is used. This can include potable water, groundwater, surface water, reclaimed water, etc.
- Air toxics refers to Hazardous Air Pollutant (HAPs) as defined by EPA
- Mercury,lead, and dioxins released refers to releases to air and water

		Level 6 (Decomm.) Total On-Site and Off-Site Parameters - Alternative 3 v2															
		Quantity Used	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
			Used Mbtu	Used MWh	Used gal x 1000	Used gal x 1000	Extracted gal x 1000	Emitted lbs	Emitted lbs	Emitted lbs	Emitted lbs	Generated tons	Generated tons	Emitted lbs	Released lbs	Released lbs	Released lbs
Totals		110,000.	2.1	8.2	1.9	0	33,000.	93.	39.	0.54	0.00013	0	1.	0.00087	0.0026	0.000000012	
Energy																	
Diesel (on-site)	gal	22.4	3,100.	0	0	0	500.	3.8	0.12	0.076	0	0	0.0067	0	0	0	
Gasoline (on-site use)	gal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Natural gas (on-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Diesel (off-site use)	gal	7.35	1,000.	0	0	0	170.	1.2	0.04	0.025	0	0	0.0022	0	0	0	
Gasoline (off-site use)	gal	288	36,000.	0	0	0	5,600.	32.	1.3	0.16	0	0	0.086	0	0	0	
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
On-site electricity use	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Electricity transmission*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Electricity production*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Energy Subtotal		40,000.	0	0	0	0	6,300.	37.	1.5	0.26	0	0	0.095	0	0	0	
Materials																	
PVC	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Gravel/sand	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Cement Grout	dry-ton	14.7	60,000.	1.9	6.	0	26,000.	53.	31.	0.093	0	0	0.85	0.00084	0.0019	0.000000012	
Concrete	tons	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bentonite	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Diesel Produced	gal	29.75	550.	0.018	0.023	0	80.	0.19	0.39	0.01	0.000011	0	0.0036	0.0000014	0.000045	0.0000000000089	
Gasoline Produced	gal	288	6,000.	0.17	0.23	0	1,300.	2.3	5.5	0.15	0.00012	0	0.046	0.000024	0.00063	0.0000000000089	
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Groundwater Extracted On-site	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Potable Water Produced	gal x 1000	1.877	17.	0.00083	0.039	0	9.4	0.018	0.011	0.03	0.0000016	0	0.000028	0.000000015	0.00000013	0.0000000000019	
Potable Water Transported	gal x 1000	1.877	14.	0.0012	0.0089	0	0.97	0.001	0.0081	0.00011	0.0000011	0	0	0.0000005	0.000000073	0.00000000000055	
Potable Water Used	gal x 1000	1.877	0	0	1.9	1.9	0	0	0	0	0	0	0	0	0	0	
Other On-Site Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Materials Subtotal		67,000.	2.1	8.2	1.9	0	27,000.	56.	37.	0.28	0.00013	0	0.9	0.00087	0.0026	0.000000012	
Waste and Other Services																	
Off-site waste water treatment	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Hazardous Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Hazardous Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Laboratory Analysis	\$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Waste and Other Services Subtotal		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Other																	
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Other Subtotal		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Notes:
 - All results are rounded to two significant digits
 - All water refers to all water of any variety (excluding sea water) that is used. This can include potable water, groundwater, surface water, reclaimed water, etc.
 - Air toxics refers to Hazardous Air Pollutant (HAPs) as defined by EPA
 - Mercury, lead, and dioxins released refers to releases to air and water

Alternative:

Alternative Name:

Path Name:

Main File Name:

Reference File Name:

Module File Name:

Alternative 3 v3

Vegetable Oil

Green Remediation Tool Main.xlsx

Green Remediation Tool Reference.xlsx

alternative 3 v3 inventory modules.xlsx

Variables In Alternative:

Level 1	Site Invest.
Level 2	Excavation
Level 3	Construction
Level 4	O&M
Level 5	LTM
Level 6	Decomm.

Usage Input - Alternative 3 v3

	Abbreviation	Units	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Total
			Site Invest.	Excavation	Construction	O&M	LTM	Decomm.	
Energy									
Diesel (on-site)	Diesel-On	gal	248.192	614.5843	9413.6	0	0	22.4	10298.78
Gasoline (on-site use)	Gas-On	gal	0	0	0	0	127.2	0	127.2
Natural gas (on-site use)	NG-On	ccf							0
Diesel (off-site use)	Diesel-Off	gal	76.0376	26422.54	973.5792	3276	16.5375	7.35	30772.04
Gasoline (off-site use)	Gas-Off	gal	143.2	307.2	2507.6	1848	844.8	288	5938.8
Natural gas (off-site use)	NG-Off	ccf							0
On-site electricity use	Elec. Use	MWh	0	0	0	3.36	0	0	3.36
Electricity transmission*	Elec. Trans	MWh	0	0	0	3.36	0	0	3.36
Electricity production*	Elec. Prod	MWh	0	0	0	3.36	0	0	3.36
Materials									
PVC	PVC	lb	0	0	9329.6	0	0	0	9329.6
HDPE	HDPE	lb	0	0	0	0	0	0	0
Steel	Steel	lb	0	0	8704	0	6615	0	15319
Stainless Steel	S. Steel	lb	0	0	0	0	0	0	0
Gravel/sand	Sand	ton	0	5625	26.4	0	0	0	5651.4
Cement Grout	Cement	dry-ton	0.85	0	66.9	0	0	14.7	82.45
Concrete	Concrete	tons	0	349.2	26.0304	0	0	0	375.2304
Bentonite	Bent.	ton	0	0	0.7	0	0	0	0.7
Regenerated GAC	GAC-R	lbs	0	0	0	0	0	0	0
Bioinjection (Molasses)	Bio#1	lbs	0	0	0	0	0	0	0
Bioinjection (Cheese Whey)	Bio#2	lbs	0	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	Bio#3	lbs	0	0	0	234000	0	0	234000
Diesel Produced	Diesel-Pro	gal	324.2296	27037.12	10387.18	3276	16.5375	29.75	41070.82
Gasoline Produced	Gas-Pro	gal	143.2	307.2	2507.6	1848	972	288	6066
Natural Gas Produced	NG-Pro	ccf			0				0
Groundwater Extracted On-site	GW Ext	gal x 1000	0	0	27.2	0	0	0	27.2
Potable Water Produced	PW Pro.	gal x 1000	0.5	0	8.54	1710	0	1.877	1720.917
Potable Water Transported	PW Trans.	gal x 1000	0.5	0	8.54	1710	0	1.877	1720.917
Potable Water Used	PW Used	gal x 1000	0.5	0	8.54	1710	0	1.877	1720.917
Other On-Site Water Used	OW	gal x 1000							0
Waste and Other Services									
Off-site waste water treatment	POTW	gal x 1000	0	0	0	0	0	0	0
Solid Waste Generation	SW-Gen	ton	0	0	0	0	0	0	0
Solid Waste Disposal	SW-Disp	ton	0	0	0	0	0	0	0
Hazardous Waste Generation	HW-Gen	ton	1.34	6148.8	149.6	0	0	0	6299.74
Hazardous Waste Disposal	HW-Disp	ton	1.34	6148.8	149.6	0	0	0	6299.74
Laboratory Analysis	Lab	\$	60220	7100	1400	0	770400	0	839120
Other									
On-site process emissions (HAPs)	Proc. HAPs	lbs	0	0	0	0	0	0	0
On-site process emissions (GHGs)	Proc. GHGs	lbs CO2e	0	0	0	0	0	0	0

Notes:

* Report on-site electricity usage for these categories. Transmission and electricity production will be automatically calculated.

	Totals For Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 3 v3														
	Energy Used	Electricity Used	All Water Used	Potable Water Used	Groundwater Extracted	CO2e Emitted	NO x Emitted	SO x Emitted	PM Emitted	Solid Waste Generated	Haz. Waste Generated	Air Toxics Emitted	Mercury Released	Lead Released	Dioxins Released
	Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Level 1 - Site Invest.															
Energy	34,000.	0	0	0	0	5,600.	42.	1.3	0.84	0	0	0.074	0	0	0
Materials	0	0	0.5	0.5	0	0	0	0	0	0	0	0	0	0	0
Waste/Services	0	0	0	0	0	0	0	0	0	0	1.3	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Site Invest. Total	34,000.	0	0.5	0.5	0	5,600.	42.	1.3	0.84	0	1.3	0.074	0	0	0
Level 2 - Excavation															
Energy	85,000.	0	0	0	0	14,000.	100.	3.3	2.1	0	0	0.18	0	0	0
Materials	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste/Services	0	0	0	0	0	0	0	0	0	0	6,100.	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Excavation Total	85,000.	0	0	0	0	14,000.	100.	3.3	2.1	0	6,100.	0.18	0	0	0
Level 3 - Construction															
Energy	1,300,000.	0	0	0	0	210,000.	1,600.	51.	32.	0	0	2.8	0	0	0
Materials	0	0	36.	8.5	27.	0	0	0	0	0	0	0	0	0	0
Waste/Services	0	0	0	0	0	0	0	0	0	0	150.	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Construction Total	1,300,000.	0	36.	8.5	27.	210,000.	1,600.	51.	32.	0	150.	2.8	0	0	0
Level 4 - O&M															
Energy	11,000.	3.4	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials	0	0	1,700.	1,700.	0	0	0	0	0	0	0	0	0	0	0
Waste/Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O&M Total	11,000.	3.4	1,700.	1,700.	0	0	0	0	0	0	0	0	0	0	0
Level 5 - LTM															
Energy	16,000.	0	0	0	0	2,500.	14.	0.57	0.069	0	0	0.038	0	0	0
Materials	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste/Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LTM Total	16,000.	0	0	0	0	2,500.	14.	0.57	0.069	0	0	0.038	0	0	0
Level 6 - Decomm.															
Energy	3,100.	0	0	0	0	500.	3.8	0.12	0.076	0	0	0.0067	0	0	0
Materials	0	0	1.9	1.9	0	0	0	0	0	0	0	0	0	0	0
Waste/Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Decomm. Total	3,100.	0	1.9	1.9	0	500.	3.8	0.12	0.076	0	0	0.0067	0	0	0
Total	1,400,000.	3.4	1,700.	1,700.	27.	230,000.	1,800.	56.	35.	0	6,300.	3.1	0	0	0

	Totals For Parameters Used, Extracted, Emitted, or Generated Off-Site - Alternative 3 v3														
	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
	Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Level 1 - Site Invest.															
Energy	29,000.	0	0	0	0	4,500.	29.	1.1	0.34	0	0	0.066	0	0	0
Materials	13,000.	0.38	0.72	0	0	3,000.	6.3	8.7	0.2	0.00018	0	0.11	0.000077	0.00092	0.00000000086
Waste/Services	530,000.	30.	34.	0	0	78,000.	270.	180.	7.5	0.000012	0	13.	0.0000014	0.000011	0.00000000018
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Site Invest. Total	570,000.	30.	35.	0	0	86,000.	310.	190.	8.	0.00019	0	13.	0.000078	0.00093	0.0000000001
Level 2 - Excavation															
Energy	3,700,000.	0	0	0	0	600,000.	4,500.	140.	90.	0	0	8.	0	0	0
Materials	1,100,000.	40.	820.	0	0	230,000.	600.	670.	34.	0.0098	0	7.1	0.0048	0.05	0.00000000064
Waste/Services	1,200,000.	56.	1,000.	0	0	180,000.	980.	530.	2,700.	0.054	0	11.	0.0066	0.051	0.00000000081
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Excavation Total	6,000,000.	96.	1,800.	0	0	1,000,000.	6,100.	1,300.	2,800.	0.064	0	26.	0.011	0.1	0.00000000087
Level 3 - Construction															
Energy	450,000.	0	0	0	0	71,000.	450.	16.	4.7	0	0	1.	0	0	0
Materials	780,000.	24.	120.	0	0	220,000.	400.	430.	21.	2.2	0.015	11.	0.0089	0.054	0.000064
Waste/Services	38,000.	2.	26.	0	0	5,900.	29.	16.	66.	0.0013	0	0.52	0.00016	0.0013	0.0000000002
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Construction Total	1,300,000.	26.	150.	0	0	300,000.	880.	460.	92.	2.2	0.015	13.	0.0091	0.055	0.000064
Level 4 - O&M															
Energy	720,000.	0.6	25.	0	0	110,000.	760.	49.	12.	0.003	0	1.6	0.0000087	0.0001	0.00000000029
Materials	970,000.	18.	54.	0	0	850,000.	6,300.	7,400.	430.	0.0044	0	0.72	0.0049	0.0092	0.00000000038
Waste/Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O&M Total	1,700,000.	19.	79.	0	0	960,000.	7,100.	7,400.	440.	0.0074	0	2.3	0.0049	0.0093	0.00000000041
Level 5 - LTM															
Energy	100,000.	0	0	0	0	17,000.	96.	3.9	0.52	0	0	0.26	0	0	0
Materials	49,000.	2.	5.	0	0	12,000.	17.	29.	4.2	1.7	0	0.6	0.00074	0.019	0.00000000043
Waste/Services	6,800,000.	390.	430.	0	0	1,000,000.	3,500.	2,300.	88.	0	0	160.	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LTM Total	6,900,000.	390.	440.	0	0	1,000,000.	3,600.	2,300.	93.	1.7	0	160.	0.00074	0.019	0.00000000043
Level 6 - Decomm.															
Energy	37,000.	0	0	0	0	5,800.	33.	1.3	0.19	0	0	0.088	0	0	0
Materials	67,000.	2.1	6.3	0	0	27,000.	56.	37.	0.28	0.00013	0	0.9	0.00087	0.0026	0.00000000012
Waste/Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Decomm. Total	100,000.	2.1	6.3	0	0	33,000.	89.	38.	0.47	0.00013	0	0.99	0.00087	0.0026	0.00000000012
Total	17,000,000.	560.	2,500.	0	0	3,400,000.	18,000.	12,000.	3,400.	4.	0.015	220.	0.027	0.19	0.000064

	Totals for On-Site and Off-Site Parameters - Alternative 3 v3															
	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins	
	Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released	
Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs	
Level 1 - Site Invest.																
Energy	63,000.	0	0	0	0	10,000.	71.	2.4	1.2	0	0	0.14	0	0	0	
Materials	13,000.	0.38	1.2	0.5	0	3,000.	6.3	8.7	0.2	0.00018	0	0.11	0.000077	0.00092	0.00000000086	
Waste/Services	530,000.	30.	34.	0	0	78,000.	270.	180.	7.5	0.000012	1.3	13.	0.0000014	0.000011	0.00000000018	
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Site Invest. Total	610,000.	30.	35.	0.5	0	91,000.	350.	190.	8.9	0.00019	1.3	13.	0.000078	0.00093	0.0000000001	
Level 2 - Excavation																
Energy	3,800,000.	0	0	0	0	610,000.	4,600.	140.	92.	0	0	8.2	0	0	0	
Materials	1,100,000.	40.	820.	0	0	230,000.	600.	670.	34.	0.0098	0	7.1	0.0048	0.05	0.00000000064	
Waste/Services	1,200,000.	56.	1,000.	0	0	180,000.	980.	530.	2,700.	0.054	6,100.	11.	0.0066	0.051	0.00000000081	
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Excavation Total	6,100,000.	96.	1,800.	0	0	1,000,000.	6,200.	1,300.	2,800.	0.064	6,100.	26.	0.011	0.1	0.00000000087	
Level 3 - Construction																
Energy	1,800,000.	0	0	0	0	280,000.	2,100.	67.	37.	0	0	3.8	0	0	0	
Materials	780,000.	24.	150.	8.5	27.	220,000.	400.	430.	21.	2.2	0.015	11.	0.0089	0.054	0.000064	
Waste/Services	38,000.	2.	26.	0	0	5,900.	29.	16.	66.	0.0013	150.	0.52	0.00016	0.0013	0.0000000002	
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Construction Total	2,600,000.	26.	180.	8.5	27.	510,000.	2,500.	510.	120.	2.2	150.	15.	0.0091	0.055	0.000064	
Level 4 - O&M																
Energy	730,000.	4.	25.	0	0	110,000.	760.	49.	12.	0.003	0	1.6	0.0000087	0.0001	0.00000000029	
Materials	970,000.	18.	1,800.	1,700.	0	850,000.	6,300.	7,400.	430.	0.0044	0	0.72	0.0049	0.0092	0.00000000038	
Waste/Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
O&M Total	1,700,000.	22.	1,800.	1,700.	0	960,000.	7,100.	7,400.	440.	0.0074	0	2.3	0.0049	0.0093	0.00000000041	
Level 5 - LTM																
Energy	120,000.	0	0	0	0	20,000.	110.	4.5	0.59	0	0	0.29	0	0	0	
Materials	49,000.	2.	5.	0	0	12,000.	17.	29.	4.2	1.7	0	0.6	0.00074	0.019	0.00000000043	
Waste/Services	6,800,000.	390.	430.	0	0	1,000,000.	3,500.	2,300.	88.	0	0	160.	0	0	0	
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
LTM Total	7,000,000.	390.	440.	0	0	1,000,000.	3,600.	2,300.	93.	1.7	0	160.	0.00074	0.019	0.00000000043	
Level 6 - Decomm.																
Energy	40,000.	0	0	0	0	6,300.	37.	1.5	0.26	0	0	0.095	0	0	0	
Materials	67,000.	2.1	8.2	1.9	0	27,000.	56.	37.	0.28	0.00013	0	0.9	0.00087	0.0026	0.00000000012	
Waste/Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Decomm. Total	110,000.	2.1	8.2	1.9	0	33,000.	93.	39.	0.54	0.00013	0	1.	0.00087	0.0026	0.00000000012	
Total	18,000,000.	570.	4,300.	1,700.	27.	3,600,000.	20,000.	12,000.	3,500.	4.	6,300.	220.	0.027	0.19	0.000064	

	Percentages For Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 3 v3														
	Energy Used	Electricity Used	All Water Used	Potable Water Used	Groundwater Extracted	CO2e Emitted	NO x Emitted	SO x Emitted	PM Emitted	Solid Waste Generated	Haz. Waste Generated	Air Toxics Emitted	Mercury Released	Lead Released	Dioxins Released
	Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Level 1 - Site Invest.															
Energy	2%	0%	0%	0%	0%	2%	2%	2%	2%	0%	0%	2%	0%	0%	0%
Materials	0%	0%	<1%	<1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Waste/Services	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	<1%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Site Invest. Total	2%	0%	<1%	<1%	0%	2%	2%	2%	2%	0%	<1%	2%	0%	0%	0%
Level 2 - Excavation															
Energy	6%	0%	0%	0%	0%	6%	6%	6%	6%	0%	0%	6%	0%	0%	0%
Materials	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Waste/Services	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	98%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Excavation Total	6%	0%	0%	0%	0%	6%	6%	6%	6%	0%	98%	6%	0%	0%	0%
Level 3 - Construction															
Energy	90%	0%	0%	0%	0%	90%	91%	91%	91%	0%	0%	90%	0%	0%	0%
Materials	0%	0%	2%	<1%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Waste/Services	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Construction Total	90%	0%	2%	<1%	100%	90%	91%	91%	91%	0%	2%	90%	0%	0%	0%
Level 4 - O&M															
Energy	<1%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Materials	0%	0%	98%	99%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Waste/Services	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
On-Site Total	<1%	100%	98%	99%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Level 5 - LTM															
Energy	1%	0%	0%	0%	0%	1%	<1%	1%	<1%	0%	0%	1%	0%	0%	0%
Materials	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Waste/Services	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
On-Site Total	1%	0%	0%	0%	0%	1%	<1%	1%	<1%	0%	0%	1%	0%	0%	0%
Level 6 - Decomm.															
Energy	<1%	0%	0%	0%	0%	<1%	<1%	<1%	<1%	0%	0%	<1%	0%	0%	0%
Materials	0%	0%	<1%	<1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Waste/Services	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Off-Site Total	<1%	0%	<1%	<1%	0%	<1%	<1%	<1%	<1%	0%	0%	<1%	0%	0%	0%

	Percentages For Parameters Used, Extracted, Emitted, or Generated Off-Site - Alternative 3 v3														
	Energy Used	Electricity Used	All Water Used	Potable Water Used	Groundwater Extracted	CO2e Emitted	NO x Emitted	SO x Emitted	PM Emitted	Solid Waste Generated	Haz. Waste Generated	Air Toxics Emitted	Mercury Released	Lead Released	Dioxins Released
	Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Level 1 - Site Invest.															
Energy	<1%	0%	0%	0%	0%	<1%	<1%	<1%	<1%	0%	0%	<1%	0%	0%	0%
Materials	<1%	<1%	<1%	0%	0%	<1%	<1%	<1%	<1%	<1%	0%	<1%	<1%	<1%	<1%
Waste/Services	3%	5%	1%	0%	0%	2%	1%	2%	<1%	<1%	0%	6%	<1%	<1%	<1%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Site Invest. Total	3%	5%	1%	0%	0%	2%	1%	2%	<1%	<1%	0%	6%	<1%	<1%	<1%
Level 2 - Excavation															
Energy	22%	0%	0%	0%	0%	18%	25%	1%	3%	0%	0%	4%	0%	0%	0%
Materials	7%	7%	33%	0%	0%	7%	3%	6%	1%	<1%	0%	3%	18%	27%	<1%
Waste/Services	7%	10%	40%	0%	0%	5%	5%	5%	79%	1%	0%	5%	25%	27%	<1%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Excavation Total	36%	17%	73%	0%	0%	30%	34%	11%	82%	1%	0%	12%	43%	54%	<1%
Level 3 - Construction															
Energy	3%	0%	0%	0%	0%	2%	2%	<1%	<1%	0%	0%	<1%	0%	0%	0%
Materials	5%	4%	5%	0%	0%	7%	2%	4%	<1%	55%	100%	5%	33%	29%	100%
Waste/Services	<1%	<1%	1%	0%	0%	<1%	<1%	<1%	2%	<1%	0%	<1%	<1%	<1%	<1%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Construction Total	7%	4%	6%	0%	0%	9%	5%	4%	2%	55%	100%	5%	33%	29%	100%
Level 4 - O&M															
Energy	4%	<1%	1%	0%	0%	3%	4%	<1%	<1%	<1%	0%	<1%	<1%	<1%	<1%
Materials	6%	3%	2%	0%	0%	25%	35%	63%	13%	<1%	0%	<1%	18%	5%	<1%
Waste/Services	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
On-Site Total	10%	3%	3%	0%	0%	28%	39%	63%	13%	<1%	0%	0%	18%	5%	<1%
Level 5 - LTM															
Energy	<1%	0%	0%	0%	0%	<1%	<1%	<1%	<1%	0%	0%	<1%	0%	0%	0%
Materials	<1%	<1%	<1%	0%	0%	<1%	<1%	<1%	<1%	43%	0%	<1%	3%	10%	<1%
Waste/Services	41%	69%	17%	0%	0%	30%	19%	20%	3%	0%	0%	74%	0%	0%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
On-Site Total	41%	69%	17%	0%	0%	30%	19%	20%	3%	43%	0%	74%	3%	10%	<1%
Level 6 - Decomm.															
Energy	<1%	0%	0%	0%	0%	<1%	<1%	<1%	<1%	0%	0%	<1%	0%	0%	0%
Materials	<1%	<1%	<1%	0%	0%	<1%	<1%	<1%	<1%	<1%	0%	<1%	3%	1%	<1%
Waste/Services	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Off-Site Total	<1%	<1%	<1%	0%	0%	<1%	<1%	<1%	<1%	<1%	0%	<1%	3%	1%	<1%

	Percentages for Total On-Site and Off-Site Parameters - Alternative 3 v3														
	Energy Used	Electricity Used	All Water Used	Potable Water Used	Groundwater Extracted	CO2e Emitted	NO x Emitted	SO x Emitted	PM Emitted	Solid Waste Generated	Haz. Waste Generated	Air Toxics Emitted	Mercury Released	Lead Released	Dioxins Released
	Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Level 1 - Site Invest.															
Energy	<1%	0%	0%	0%	0%	<1%	<1%	<1%	<1%	0%	0%	<1%	0%	0%	0%
Materials	<1%	<1%	<1%	<1%	0%	<1%	<1%	<1%	<1%	<1%	0%	<1%	<1%	<1%	<1%
Waste/Services	3%	5%	<1%	0%	0%	2%	1%	2%	<1%	<1%	<1%	6%	<1%	<1%	<1%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Site Invest. Total	3%	5%	<1%	<1%	0%	2%	1%	2%	<1%	<1%	<1%	6%	<1%	<1%	<1%
Level 2 - Excavation															
Energy	21%	0%	0%	0%	0%	17%	23%	1%	3%	0%	0%	4%	0%	0%	0%
Materials	6%	7%	19%	0%	0%	6%	3%	6%	<1%	<1%	0%	3%	18%	27%	<1%
Waste/Services	7%	10%	23%	0%	0%	5%	5%	5%	78%	1%	98%	5%	25%	27%	<1%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Excavation Total	34%	17%	43%	0%	0%	28%	31%	11%	81%	1%	98%	12%	43%	54%	<1%
Level 3 - Construction															
Energy	10%	0%	0%	0%	0%	8%	11%	<1%	1%	0%	0%	2%	0%	0%	0%
Materials	4%	4%	4%	<1%	100%	6%	2%	4%	<1%	55%	<1%	5%	33%	29%	100%
Waste/Services	<1%	<1%	<1%	0%	0%	<1%	<1%	<1%	2%	<1%	2%	<1%	<1%	<1%	<1%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Construction Total	14%	4%	4%	<1%	100%	14%	13%	4%	3%	55%	2%	7%	33%	29%	100%
Level 4 - O&M															
Energy	4%	<1%	<1%	0%	0%	3%	4%	<1%	<1%	<1%	0%	<1%	<1%	<1%	<1%
Materials	5%	3%	42%	99%	0%	24%	32%	63%	12%	<1%	0%	<1%	18%	5%	<1%
Waste/Services	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
On-Site Total	9%	3%	42%	99%	0%	27%	36%	63%	12%	<1%	0%	0%	18%	5%	<1%
Level 5 - LTM															
Energy	<1%	0%	0%	0%	0%	<1%	<1%	<1%	<1%	0%	0%	<1%	0%	0%	0%
Materials	<1%	<1%	<1%	0%	0%	<1%	<1%	<1%	<1%	43%	0%	<1%	3%	10%	<1%
Waste/Services	38%	69%	10%	0%	0%	28%	18%	20%	3%	0%	0%	74%	0%	0%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
On-Site Total	38%	69%	10%	0%	0%	28%	18%	20%	3%	43%	0%	74%	3%	10%	<1%
Level 6 - Decomm.															
Energy	<1%	0%	0%	0%	0%	<1%	<1%	<1%	<1%	0%	0%	<1%	0%	0%	0%
Materials	<1%	<1%	<1%	<1%	0%	<1%	<1%	<1%	<1%	<1%	0%	<1%	3%	1%	<1%
Waste/Services	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Off-Site Total	<1%	<1%	<1%	<1%	0%	<1%	<1%	<1%	<1%	<1%	0%	<1%	3%	1%	<1%

All Levels - Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 3 v3																																
	Quantity Used	Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins		
		Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Extracted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Generated	Conv. Factor	Generated	Conv. Factor	Emitted	Conv. Factor	Released	Conv. Factor	Released	Conv. Factor	Released	
			Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs
Totals			1,400,000.		3.4		1,700.		1,700.		27.		230,000.		1,800.		56.		35.		0		6,300.		3.1		0		0		0	
Energy																																
Diesel (on-site)	gal	10298.776	139	1,422,100.	0	0	0	0	0	0	0	22.5	230,100.	0.17	1,745.8	0.0054	55.72	0.0034	35.016	0	0	0	0	0.0003	3.0607	0	0	0	0	0	0	
Gasoline (on-site use)	gal	127.2	124	16,000.	0	0	0	0	0	0	0	19.6	2,500.	0.11	14.	0.0045	0.57	0.0005	0.069	0	0	0	0	0.0003	0.038	0	0	0	0	0	0	
Natural gas (on-site use)	ccf	0	103	0	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0.29	0	0	0	0	0	0	0	
Diesel (off-site use)	gal	30772.044	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Gasoline (off-site use)	gal	5938.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
On-site electricity use	MWh	3.36	3413	11,000.	1	3.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Electricity transmission*	MWh	3.36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Electricity production*	MWh	3.36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Energy Subtotal				1,400,000.		3.4		0		0		0		230,000.		1,800.		56.		35.		0		6,300.		3.1		0		0		0
Materials																																
PVC	lb	9329.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Steel	lb	15319	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Gravel/sand	ton	5651.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Cement Grout	dry-ton	82.45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Concrete	tons	375.2304	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bentonite	ton	0.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bioinjection (Vegetable Oil)	lbs	234000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Diesel Produced	gal	41070.821	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Gasoline Produced	gal	6066	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Groundwater Extracted On-site	gal x 1000	27.2	0	0	0	1	27.	0	0	1	27.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Potable Water Produced	gal x 1000	1720.917	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Potable Water Transported	gal x 1000	1720.917	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Potable Water Used	gal x 1000	1720.917	0	0	0	1	1,710.9	1	1,710.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Other On-Site Water Used	gal x 1000	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Materials Subtotal				0		0		1,700.		1,700.		27.		0		0		0		0		0		0		0		0		0		0
Waste and Other Services																																
Off-site waste water treatment	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Hazardous Waste Generation	ton	6299.74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6,251.3	0	0	0	0	0	0	0	0	0	
Hazardous Waste Disposal	ton	6299.74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Laboratory Analysis	\$	839120	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Waste and Other Services Subtotal				0		0		0		0		0		0		0		0		0		6,300.		0		0		0		0		0
Other																																
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Other Subtotal				0		0		0		0		0		0		0		0		0		0		0		0		0		0		0

Notes:
 - All results are rounded to two significant digits
 - Groundwater extracted refers to Groundwater extracted on-site that is not reinjected to an aquifer of similar quality
 - All water refers to all water of any variety used on-site that is not returned to its original source. This can include potable water, groundwater, surface water, reclaimed water, etc.
 - Air toxics refers to Hazardous Air Pollutant (HAPs) as defined by EPA

All Levels - Parameters Used, Extracted, Emitted, or Generated Off-Site - Alternative 3 v3																																
	Quantity Used	Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins		
		Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Extracted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Generated	Conv. Factor	Generated	Conv. Factor	Emitted	Conv. Factor	Released	Conv. Factor	Released	Conv. Factor	Released	
			Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs
Totals			17,000,000.		570.		2,500.		0		0		3,400,000.		18,000.		12,000.		3,500.		4.		0.015		210.		0.027		0.19		0.000064	
Energy																																
Diesel (on-site)	gal	10298.776	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Gasoline (on-site use)	gal	127.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Natural gas (on-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Diesel (off-site use)	gal	30772.044	139	4,314,300.	0	0	0	0	0	0	22.5	688,240.	0.17	5,247.	0.0054	163.839	0.0034	104.641	0	0	0	0	0.0003	9.2002	0	0	0	0	0	0	0	
Gasoline (off-site use)	gal	5938.8	124	732,000.	0	0	0	0	0	0	19.6	116,400.	0.11	655.	0.0045	26.44	0.0005	3.267	0	0	0	0	0.0003	1.771	0	0	0	0	0	0	0	
Natural gas (off-site use)	ccf	0	103	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0.29	0	0	0	0	0	0	0	0	
On-site electricity use	MWh	3.36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Electricity transmission*	MWh	3.36	410	1,400.	0.12	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Electricity production*	MWh	3.36	7800	26,000.	0.06	0.2	7.3	25.	0	0	0	800	2,700.	0.84	2.8	6.7	23.	0.087	0.29	0.0009	0.003	0	0	0.017	0.057	3E-06	0.0000087	3E-05	0.0001	9E-12	0.00000000029	
Energy Subtotal			5,100,000.		0.6		25.		0		0		810,000.		5,900.		210.		110.		0.003		0		11.		0.000087		0.0001		0.00000000029	
Materials																																
PVC	lb	9329.6	22	210,000.	0.0006	5.2	0.0069	64.	0	0	4.1	38,000.	0.0048	45.	0.0076	71.	0.0012	11.	2E-06	0.021	2E-06	0.015	0.0005	4.4	3E-07	0.0032	1E-07	0.0012	7E-09	0.000064		
HDPE	lb	0	31	0	0.0003	0	0.0023	0	0	0	1.9	0	0.0032	0	0.0041	0	0.0006	0	4E-07	0	1E-06	0	3E-06	0	3E-09	0	2E-09	0	1E-09	0		
Steel	lb	15319	4.4	67,000.	0.0002	3.2	0.0006	9.8	0	0	1.1	16,900.	0.0014	21.3	0.0017	26.	0.0006	8.6	0.0003	3.9	0	0	7E-05	1.02	1E-07	0.00153	3E-06	0.039	7E-12	0.0000001		
Stainless Steel	lb	0	11.6	0	0.0006	0	0.0023	0	0	0	3.4	0	0.0075	0	0.012	0	0.0044	0	0.0006	0	0	0	0.0001	0	0	0	5E-07	0	2E-12	0		
Gravel/sand	ton	5651.4	55	311,500.	0.0027	15.071	0.13	733.4	0	0	6.7	38,180.	0.033	190.87	0.03	170.79	0.004	23.11	0	0	0	0	4E-07	0.002311	6E-11	0.0000003617	1E-09	0.00006832	2E-16	0.0000000000000844		
Cement Grout	dry-ton	82.45	4100	333,500.	0.13	10.71	0.41	33.35	0	0	1800	147,500.	3.6	296.1	2.1	172.8	0.0063	0.5184	0	0	0	0	0.058	4.799	6E-05	0.004688	0.0001	0.01071	9E-11	0.000000006972		
Concrete	tons	375.2304	793	301,000.	0.026	9.78	0.19	70.9	0	0	335	128,700.	0.68	258.	0.41	151.	0.0044	1.61	3E-08	0.00001053	0	0	0.011	4.09	1E-05	0.00376	2E-05	0.00902	2E-11	0.00000000602		
Bentonite	ton	0.7	55	39.	0.0027	0.0019	0.13	0.091	0	0	6.7	4.7	0.033	0.023	0.03	0.021	0.004	0.0028	0	0	0	0	4E-07	0.00000029	6E-11	0.000000000045	1E-09	0.00000000084	2E-16	0.000000000000011		
Regenerated GAC	lbs	0	9.6	0	0.0004	0	0.0064	0	0	0	2	0	0.025	0	0.015	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bioinjection (Molasses)	lbs	0	1.31	0	5E-06	0	9E-05	0	0	0	0.4	0	0.003	0	0.0026	0	6E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	0	1.87	0	0	0	0	0	0	0	1.1	0	0.0083	0	0.0099	0	0.0002	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	234000	3.6	840,000.	6E-05	13.	2E-05	5.6	0	0	3.51	820,000.	0.0265	6,200.	0.031	7,300.	0.0017	400.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Produced	gal	41070.821	18.5	757,860.	0.0006	24.2178	0.0008	31.786	0	0	2.7	110,805.	0.0064	259.4	0.013	537.8	0.0003	13.9256	4E-07	0.014737	0	0	0.0001	4.8346	5E-08	0.00197819	2E-06	0.06246	3E-14	0.0000000122909		
Gasoline Produced	gal	6066	21	127,500.	0.0006	3.604	0.0008	4.85	0	0	4.4	26,730.	0.008	48.7	0.019	115.	0.0005	3.154	4E-07	0.0026	0	0	0.0002	0.978	9E-08	0.000515	2E-06	0.01333	3E-14	0.000000001878		
Natural Gas Produced	ccf	0	5.2	0	0.0003	0	8E-05	0	0	0	2.2	0	0.0037	0	0.0046	0	7E-05	0	0	0	0	0	6E-06	0	2E-08	0	9E-07	0	5E-14	0		
Groundwater Extracted On-site	gal x 1000	27.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Potable Water Produced	gal x 1000	1720.917	9.2	16,100.6	0.0004	0.75485	0.021	36.23	0	0	5	8,654.9	0.0097	17.1059	0.0059	10.064	0.016	27.178	8E-07	0.00140912	0	0	2E-05	0.0261655	8E-09	0.0000140891	7E-08	0.000110734	1E-13	0.0000000017109		
Potable Water Transported	gal x 1000	1720.917	7.4	13,080.7	0.0006	1.10702	0.0047	8.1513	0	0	0.5168	885.63	0.0005	0.93587	0.0043	7.4473	6E-05	0.096618	6E-07	0.00099639	0	0	0	0	3E-06	0.0046293	4E-08	0.000066422	3E-14	0.00000000005032		
Potable Water Used	gal x 1000	1720.917	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Other On-Site Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Materials Subtotal			3,000,000.		87.		1,000.		0		0		1,300,000.		7,300.		8,600.		490.		3.9		0.015		20.		0.02		0.14		0.000064	
Waste and Other Services																																
Off-site waste water treatment	gal x 1000	0	3.7	0	0.0002	0	0.0008	0	0	0	3	0	0.0061	0	0.0029	0	8E-05	0	5E-07	0	0	0	0.0001	0	8E-08	0	6E-07	0	1E-12	0		
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Solid Waste Disposal	ton	0	160	0	0.0077	0	0.15	0	0	0	25	0	0.14	0	0.075	0	0.4	0	8E-06	0	0	0	0.0014	0	1E-06	0	8E-06	0	1E-11	0	0	
Hazardous Waste Generation	ton	6299.74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Hazardous Waste Disposal	ton	6299.74	176	1,126,240.	0.0085	53.311	0.165	1,025.22	0	0	27.5	174,137.	0.154	973.21	0.0825	522.11	0.44	2,766.59	9E-06	0.055312	0	0	0.0015	9.7321	1E-06	0.0067614	8E-06	0.052311	1E-11	0.000000083018		
Laboratory Analysis	\$	839120	8.8	7,404,000.	0.0005	424.3	0.0006	468.78	0	0	1.3	1,089,000.	0.0045	3,808.3	0.003																	

All Levels - Total On-Site and Off-Site Parameters - Alternative 3 v3																
	Quantity Used	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
		Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
		Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Totals		18,000,000.	570.	4,200.	1,700.	27.	3,600,000.	20,000.	12,000.	3,500.	4.	6,300.	210.	0.027	0.19	0.000064
Energy																
Diesel (on-site)	gal	10298.776	1,422,100.	0	0	0	230,100.	1,745.8	55.72	35.016	0	0	3.0607	0	0	0
Gasoline (on-site use)	gal	127.2	16,000.	0	0	0	2,500.	14.	0.57	0.069	0	0	0.038	0	0	0
Natural gas (on-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel (off-site use)	gal	30772.044	4,314,300.	0	0	0	688,240.	5,247.	163.839	104.641	0	0	9.2002	0	0	0
Gasoline (off-site use)	gal	5938.8	732,000.	0	0	0	116,400.	655.	26.44	3.267	0	0	1.771	0	0	0
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site electricity use	MWh	3.36	11,000.	3.4	0	0	0	0	0	0	0	0	0	0	0	0
Electricity transmission*	MWh	3.36	1,400.	0.4	0	0	0	0	0	0	0	0	0	0	0	0
Electricity production*	MWh	3.36	26,000.	0.2	25.	0	2,700.	2.8	23.	0.29	0.003	0	0.057	0.0000087	0.0001	0.00000000029
Energy Subtotal		6,500,000.	4.	25.	0	0	1,000,000.	7,700.	270.	140.	0.003	0	14.	0.0000087	0.0001	0.00000000029
Materials																
PVC	lb	9329.6	210,000.	5.2	64.	0	38,000.	45.	71.	11.	0.021	0.015	4.4	0.0032	0.0012	0.000064
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Steel	lb	15319	67,000.	3.2	9.8	0	16,900.	21.3	26.	8.6	3.9	0	1.02	0.00153	0.039	0.0000001
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gravel/sand	ton	5651.4	311,500.	15.071	733.4	0	38,180.	190.87	170.79	23.11	0	0	0.002311	0.000003617	0.000006832	0.0000000000844
Cement Grout	dry-ton	82.45	333,500.	10.71	33.35	0	147,500.	296.1	172.8	0.5184	0	0	4.799	0.004688	0.01071	0.00000006972
Concrete	tons	375.2304	301,000.	9.78	70.9	0	128,700.	258.	151.	1.61	0.00001053	0	4.09	0.00376	0.00902	0.0000000602
Bentonite	ton	0.7	39.	0.0019	0.091	0	4.7	0.023	0.021	0.0028	0	0	0.00000029	0.00000000045	0.00000000084	0.00000000000011
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	234000	840,000.	13.	5.6	0	820,000.	6,200.	7,300.	400.	0	0	0	0	0	0
Diesel Produced	gal	41070.821	757,860.	24.2178	31.786	0	110,805.	259.4	537.8	13.9256	0.014737	0	4.8346	0.00197819	0.06246	0.0000000122909
Gasoline Produced	gal	6066	127,500.	3.604	4.85	0	26,730.	48.7	115.	3.154	0.0026	0	0.978	0.000515	0.01333	0.000000001878
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Groundwater Extracted On-site	gal x 1000	27.2	0	0	27.	27.	0	0	0	0	0	0	0	0	0	0
Potable Water Produced	gal x 1000	1720.917	16,100.6	0.75485	36.23	0	8,654.9	17.1059	10.064	27.178	0.00140912	0	0.0261655	0.0000140891	0.000110734	0.00000000017109
Potable Water Transported	gal x 1000	1720.917	13,080.7	1.10702	8.1513	0	885.63	0.93587	7.4473	0.096618	0.00099639	0	0	0.0046293	0.000066422	0.0000000005032
Potable Water Used	gal x 1000	1720.917	0	0	1,710.9	0	0	0	0	0	0	0	0	0	0	0
Other On-Site Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials Subtotal		3,000,000.	87.	2,700.	1,700.	27.	1,300,000.	7,300.	8,600.	490.	3.9	0.015	20.	0.02	0.14	0.000064
Waste and Other Services																
Off-site waste water treatment	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Generation	ton	6299.74	0	0	0	0	0	0	0	0	0	6,251.3	0	0	0	0
Hazardous Waste Disposal	ton	6299.74	1,126,240.	53.311	1,025.22	0	174,137.	973.21	522.11	2,766.59	0.055312	0	9.7321	0.0067614	0.052311	0.00000083018
Laboratory Analysis	\$	839120	7,404,000.	424.3	468.78	0	1,089,000.	3,808.3	2,505.2	95.87	0	0	174.79	0	0	0
Waste and Other Services Subtotal		8,500,000.	480.	1,500.	0	0	1,300,000.	4,800.	3,000.	2,900.	0.055	6,300.	180.	0.0068	0.052	0.00000083
Other																
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Subtotal		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Notes:
 - All results are rounded to two significant digits
 - All water refers to all water of any variety (excluding sea water) that is used. This can include potable water, groundwater, surface water, reclaimed water, etc.
 - Air toxics refers to Hazardous Air Pollutant (HAPs) as defined by EPA
 - Mercury, lead, and dioxins released refers to releases to air and water

Level 1 (Site Invest.) Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 3 v3																															
Quantity Used	Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins		
	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Extracted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Generated	Conv. Factor	Generated	Conv. Factor	Emitted	Conv. Factor	Released	Conv. Factor	Released	Conv. Factor	Released	
		Mbtu		MWh		gal x 1000		gal x 1000		gal x 1000		lbs		lbs		lbs		lbs		tons		tons		lbs		lbs		lbs		lbs	
Totals																															
Energy																															
Diesel (on-site)	gal	248.192	139	34,000.	0	0	0	0	0	0	0	22.5	5,600.	0.17	42.	0.0054	1.3	0.0034	0.84	0	0	0	0	0.0003	0.074	0	0	0	0	0	0
Gasoline (on-site use)	gal	0	124	0	0	0	0	0	0	0	0	19.6	0	0.11	0	0.0045	0	0.0005	0	0	0	0	0.0003	0	0	0	0	0	0	0	0
Natural gas (on-site use)	ccf	0	103	0	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0.29	0	0	0	0	0	0	0	0
Diesel (off-site use)	gal	76.0376	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gasoline (off-site use)	gal	143.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site electricity use	MWh	0	3413	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity transmission*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity production*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Energy Subtotal				34,000.	0	0	0	0	0	0	0	5,600.	0	42.	1.3	0.84	0	0	0	0	0	0	0.074	0	0	0	0	0	0	0	
Materials																															
PVC	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gravel/sand	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cement Grout	dry-ton	0.85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Concrete	tons	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bentonite	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Produced	gal	324.2296	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gasoline Produced	gal	143.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Groundwater Extracted On-site	gal x 1000	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Produced	gal x 1000	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Transported	gal x 1000	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Used	gal x 1000	0.5	0	0	0	1	0.5	1	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other On-Site Water Used	gal x 1000	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials Subtotal				0	0	0.5	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Waste and Other Services																															
Off-site waste water treatment	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Generation	ton	1.34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1.3	0	0	0	0	0	0	0	0
Hazardous Waste Disposal	ton	1.34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Laboratory Analysis	\$	60220	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste and Other Services Subtotal				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.3	0	0	0	0	0	0	0	0	
Other																															
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Other Subtotal				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

- Notes:
- All results are rounded to two significant digits
 - Groundwater extracted refers to Groundwater extracted on-site that is not reinjected to an aquifer of similar quality
 - All water refers to all water of any variety used on-site that is not returned to its original source. This can include potable water, groundwater, surface water, reclaimed water, etc.
 - Air toxics refers to Hazardous Air Pollutant (HAPs) as defined by EPA

Level 1 (Site Invest.) Total On-Site and Off-Site Parameters - Alternative 3 v3																
	Quantity Used	Level 1 (Site Invest.) Total On-Site and Off-Site Parameters - Alternative 3 v3														
		Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
		Used Mbtu	Used MWh	Used gal x 1000	Used gal x 1000	Extracted gal x 1000	Emitted lbs	Emitted lbs	Emitted lbs	Emitted lbs	Generated tons	Generated tons	Emitted lbs	Released lbs	Released lbs	Released lbs
Totals		610,000.	30.	35.	0.5	0	91,000.	350.	190.	8.9	0.00019	1.3	13.	0.000078	0.00093	0.0000000001
Energy																
Diesel (on-site)	gal	248.192	34,000.	0	0	0	5,600.	42.	1.3	0.84	0	0	0.074	0	0	0
Gasoline (on-site use)	gal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural gas (on-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel (off-site use)	gal	76.0376	11,000.	0	0	0	1,700.	13.	0.41	0.26	0	0	0.023	0	0	0
Gasoline (off-site use)	gal	143.2	18,000.	0	0	0	2,800.	16.	0.64	0.077	0	0	0.043	0	0	0
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site electricity use	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity transmission*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity production*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Energy Subtotal		63,000.	0	0	0	0	10,000.	71.	2.4	1.2	0	0	0.14	0	0	0
Materials																
PVC	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gravel/sand	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cement Grout	dry-ton	0.85	3,500.	0.11	0.35	0	1,500.	3.1	1.8	0.0054	0	0	0.049	0.000048	0.00011	0.000000000072
Concrete	tons	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bentonite	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Produced	gal	324.2296	6,000.	0.19	0.25	0	880.	2.1	4.2	0.11	0.00012	0	0.039	0.000016	0.00049	0.0000000000097
Gasoline Produced	gal	143.2	3,000.	0.084	0.11	0	630.	1.1	2.7	0.074	0.00006	0	0.023	0.000012	0.00032	0.0000000000044
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Groundwater Extracted On-site	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Produced	gal x 1000	0.5	4.6	0.00022	0.011	0	2.5	0.0049	0.003	0.008	0.0000042	0	0.0000075	0.000000041	0.000000034	0.00000000000005
Potable Water Transported	gal x 1000	0.5	3.7	0.00032	0.0024	0	0.26	0.00027	0.0022	0.000028	0.0000029	0	0	0.0000013	0.000000019	0.000000000000015
Potable Water Used	gal x 1000	0.5	0	0	0.5	0	0	0	0	0	0	0	0	0	0	0
Other On-Site Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials Subtotal		13,000.	0.38	1.2	0.5	0	3,000.	6.3	8.7	0.2	0.00018	0	0.11	0.000077	0.00092	0.000000000086
Waste and Other Services																
Off-site waste water treatment	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Generation	ton	1.34	0	0	0	0	0	0	0	0	1.3	0	0	0	0	0
Hazardous Waste Disposal	ton	1.34	240.	0.011	0.22	0	37.	0.21	0.11	0.59	0.000012	0	0.0021	0.0000014	0.000011	0.0000000000018
Laboratory Analysis	\$	60220	530,000.	30.	34.	0	78,000.	270.	180.	6.9	0	0	13.	0	0	0
Waste and Other Services Subtotal		530,000.	30.	34.	0	0	78,000.	270.	180.	7.5	0.000012	1.3	13.	0.000014	0.000011	0.0000000000018
Other																
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Subtotal		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Notes:
 - All results are rounded to two significant digits
 - All water refers to all water of any variety (excluding sea water) that is used. This can include potable water, groundwater, surface water, reclaimed water, etc.
 - Air toxics refers to Hazardous Air Pollutant (HAPs) as defined by EPA
 - Mercury, lead, and dioxins released refers to releases to air and water

Level 2 (Excavation) Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 3 v3																															
	Quantity Used	Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
		Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Generated	Conv. Factor	Generated	Conv. Factor	Emitted	Conv. Factor	Released	Conv. Factor	Released	Conv. Factor	Released
			Mbtu		MWh		gal x 1000		gal x 1000		gal x 1000		lbs		lbs		lbs		lbs		tons		tons		lbs		lbs		lbs		lbs
Totals			85,000.		0		0		0		0		14,000.		100.		3.3		2.1		0		6,100.		0.18		0		0		0
Energy																															
Diesel (on-site)	gal	614.58432	139	85,000.	0	0	0	0	0	0	0	22.5	14,000.	0.17	100.	0.0054	3.3	0.0034	2.1	0	0	0	0	0.0003	0.18	0	0	0	0	0	0
Gasoline (on-site use)	gal	0	124	0	0	0	0	0	0	0	0	19.6	0	0.11	0	0.0045	0	0.0005	0	0	0	0	0	0.0003	0	0	0	0	0	0	0
Natural gas (on-site use)	ccf	0	103	0	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0.29	0	0	0	0	0	0	0
Diesel (off-site use)	gal	26422.54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gasoline (off-site use)	gal	307.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site electricity use	MWh	0	3413	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity transmission*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity production*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Energy Subtotal			85,000.		0		0		0		0		14,000.		100.		3.3		2.1		0		6,100.		0.18		0		0		0
Materials																															
PVC	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gravel/sand	ton	5625	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cement Grout	dry-ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Concrete	tons	349.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bentonite	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Produced	gal	27037.124	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gasoline Produced	gal	307.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Groundwater Extracted On-site	gal x 1000	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Produced	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Transported	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Used	gal x 1000	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other On-Site Water Used	gal x 1000	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials Subtotal			0		0		0		0		0		0		0		0		0		0		0		0		0		0		0
Waste and Other Services																															
Off-site waste water treatment	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Generation	ton	6148.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6,100.	0	0	0	0	0	0	0	0
Hazardous Waste Disposal	ton	6148.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Laboratory Analysis	\$	7100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste and Other Services Subtotal			0		0		0		0		0		0		0		0		0		0		6,100.		0		0		0		0
Other																															
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Subtotal			0		0		0		0		0		0		0		0		0		0		0		0		0		0		0

Notes:
 - All results are rounded to two significant digits
 - Groundwater extracted refers to Groundwater extracted on-site that is not reinjected to an aquifer of similar quality
 - All water refers to all water of any variety used on-site that is not returned to its original source. This can include potable water, groundwater, surface water, reclaimed water, etc.
 - Air toxics refers to Hazardous Air Pollutant (HAPs) as defined by EPA

			Level 2 (Excavation) Parameters Used, Extracted, Emitted, or Generated Off-Site - Alternative 3 v3																															
	Quantity Used	Conv. Factor	Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins			
			Used	Mbtu	Used	MWh	Used	gal x 1000	Used	gal x 1000	Extracted	gal x 1000	Conv. Factor	Emitted	lbs	Conv. Factor	Emitted	lbs	Conv. Factor	Emitted	lbs	Conv. Factor	Generated	tons	Conv. Factor	Generated	tons	Conv. Factor	Emitted	lbs	Conv. Factor	Released	lbs	Conv. Factor
Totals				6,000,000.		96.		1,800.		0		0		1,000,000.		6,100.		1,300.		2,800.		0.064		0		26.		0.011		0.1		0.00000087		
Energy																																		
Diesel (on-site)	gal	614.58432	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Gasoline (on-site use)	gal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Natural gas (on-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Diesel (off-site use)	gal	26422.54	139	3,700,000.	0	0	0	0	0	0	0	22.5	590,000.	0.17	4,500.	0.0054	140.	0.0034	90.	0	0	0	0	0	0	0.0003	7.9	0	0	0	0	0	0	
Gasoline (off-site use)	gal	307.2	124	38,000.	0	0	0	0	0	0	0	19.6	6,000.	0.11	34.	0.0045	1.4	0.0005	0.17	0	0	0	0	0	0	0.0003	0.092	0	0	0	0	0	0	
Natural gas (off-site use)	ccf	0	103	0	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0	0	0.29	0	0	0	0	0	0	0	
On-site electricity use	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Electricity transmission*	MWh	0	410	0	0.12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Electricity production*	MWh	0	7800	0	0.06	0	7.3	0	0	0	0	800	0	0.84	0	6.7	0	0.087	0	0.0009	0	0	0	0	0	0.017	0	3E-06	0	3E-05	0	9E-12	0	
Energy Subtotal				3,700,000.		0		0		0		0	600,000.		4,500.		140.		90.		0		0		0		8.		0		0		0	
Materials																																		
PVC	lb	0	22	0	0.0006	0	0.0069	0	0	0	0	4.1	0	0.0048	0	0.0076	0	0.0012	0	2E-06	0	2E-06	0	0.0005	0	3E-07	0	1E-07	0	7E-09	0	0		
HDPE	lb	0	31	0	0.0003	0	0.0023	0	0	0	0	1.9	0	0.0032	0	0.0041	0	0.0006	0	4E-07	0	1E-06	0	0.0003	0	3E-09	0	2E-09	0	1E-09	0	0		
Steel	lb	0	4.4	0	0.0002	0	0.0006	0	0	0	0	1.1	0	0.0014	0	0.0017	0	0.0006	0	0.0003	0	0	0	0	0	7E-05	0	1E-07	0	3E-06	0	7E-12	0	
Stainless Steel	lb	0	11.6	0	0.0006	0	0.0023	0	0	0	0	3.4	0	0.0075	0	0.012	0	0.0044	0	0.0006	0	0	0	0	0	0.0001	0	5E-07	0	2E-12	0	0		
Gravel/sand	ton	5625	55	310,000.	0.0027	15.	0.13	730.	0	0	0	6.7	38,000.	0.033	190.	0.03	170.	0.004	23.	0	0	0	0	0	0	4E-07	0.0023	6E-11	0.00000036	1E-09	0.0000068	2E-16	0.000000000084	
Cement Grout	dry-ton	0	4100	0	0.13	0	0.41	0	0	0	0	1800	0	3.6	0	2.1	0	0.0063	0	0	0	0	0	0	0	0.058	0	6E-05	0	0.0001	0	9E-11	0	
Concrete	tons	349.2	793	280,000.	0.026	9.1	0.19	66.	0	0	0	335	120,000.	0.68	240.	0.41	140.	0.0044	1.5	3E-08	0.0000098	0	0	0	0	0.011	3.8	1E-05	0.0035	2E-05	0.0084	2E-11	0.0000000056	
Bentonite	ton	0	55	0	0.0027	0	0.13	0	0	0	0	6.7	0	0.033	0	0.03	0	0.004	0	0	0	0	0	0	0	4E-07	0	6E-11	0	1E-09	0	2E-16	0	
Regenerated GAC	lbs	0	9.6	0	0.0004	0	0.0064	0	0	0	0	2	0	0.025	0	0.015	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bioinjection (Molasses)	lbs	0	1.31	0	5E-06	0	9E-05	0	0	0	0	0.4	0	0.003	0	0.0026	0	6E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bioinjection (Cheese Whey)	lbs	0	1.87	0	0	0	0	0	0	0	0	1.1	0	0.0083	0	0.0099	0	0.0002	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bioinjection (Vegetable Oil)	lbs	0	3.6	0	6E-05	0	2E-05	0	0	0	0	3.51	0	0.0265	0	0.031	0	0.0017	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Diesel Produced	gal	27037.124	18.5	500,000.	0.0006	16.	0.0008	21.	0	0	0	2.7	73,000.	0.0064	170.	0.013	350.	0.0003	9.2	4E-07	0.0097	0	0	0	0	0.0001	3.2	5E-08	0.0013	2E-06	0.041	3E-14	0.00000000081	
Gasoline Produced	gal	307.2	21	6,500.	0.0006	0.18	0.0008	0.24	0	0	0	4.4	1,400.	0.008	2.5	0.019	5.8	0.0005	0.16	4E-07	0.00013	0	0	0	0	0.0002	0.049	9E-08	0.000026	2E-06	0.00068	3E-14	0.00000000095	
Natural Gas Produced	ccf	0	5.2	0	0.0003	0	8E-05	0	0	0	0	2.2	0	0.0037	0	0.0046	0	7E-05	0	0	0	0	0	0	0	0	6E-06	0	2E-08	0	9E-07	0	5E-14	0
Groundwater Extracted On-site	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Potable Water Produced	gal x 1000	0	9.2	0	0.0004	0	0.021	0	0	0	0	5	0	0.0097	0	0.0059	0	0.016	0	8E-07	0	0	0	0	0	0	2E-05	0	8E-09	0	7E-08	0	1E-13	0
Potable Water Transported	gal x 1000	0	7.4	0	0.0006	0	0.0047	0	0	0	0	0.5168	0	0.0005	0	0.0043	0	6E-05	0	6E-07	0	0	0	0	0	0	0	3E-06	0	4E-08	0	3E-14	0	
Potable Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Other On-Site Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Materials Subtotal				1,100,000.		40.		820.		0		0	230,000.		600.		670.		34.		0.0098		0		7.1		0.0048		0.05		0.000000064			
Waste and Other Services																																		
Off-site waste water treatment	gal x 1000	0	3.7	0	0.0002	0	0.0008	0	0	0	0	3	0	0.0061	0	0.0029	0	8E-05	0	5E-07	0	0	0	0	0	0.0001	0	8E-08	0	6E-07	0	1E-12	0	
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Solid Waste Disposal	ton	0	160	0	0.0077	0	0.15	0	0	0	0	25	0	0.14	0	0.075	0	0.4	0	8E-06	0	0	0	0	0	0.0014	0	1E-06	0	8E-06	0	1E-11	0	
Hazardous Waste Generation	ton	6148.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Hazardous Waste Disposal	ton	6148.8	176	1,100,000.	0.0085	52.	0.165	1,000.	0	0	0	27.5	170,000.	0.154	950.	0.0825	510.	0.44	2,700.	9E-06	0.054	0	0	0	0	0.0015	9.5	1E-06	0.0066	8E-06	0.051	1E-11	0.000000081	
Laboratory Analysis	\$	7100	8.8	62,000.	0.0005	3.6	0.0006	4.	0	0	0	1.3	9,200.	0.0045	32.	0.003	21.	0.0001	0.81	0	0	0	0	0	0	0.0002	1.5	0	0	0	0	0		
Waste and Other Services Subtotal				1,200,000.		56.		1,000.		0		180,000.		980.		530.		2,700.																

		Level 2 (Excavation) Total On-Site and Off-Site Parameters - Alternative 3 v3															
		Quantity Used	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
			Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
			Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Totals			6,100,000.	96.	1,800.	0	0	1,000,000.	6,200.	1,300.	2,800.	0.064	6,100.	26.	0.011	0.1	0.000000087
Energy																	
Diesel (on-site)	gal	614.58432	85,000.	0	0	0	0	14,000.	100.	3.3	2.1	0	0	0.18	0	0	0
Gasoline (on-site use)	gal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural gas (on-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel (off-site use)	gal	26422.54	3,700,000.	0	0	0	0	590,000.	4,500.	140.	90.	0	0	7.9	0	0	0
Gasoline (off-site use)	gal	307.2	38,000.	0	0	0	0	6,000.	34.	1.4	0.17	0	0	0.092	0	0	0
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site electricity use	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity transmission*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity production*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Energy Subtotal			3,800,000.	0	0	0	0	610,000.	4,600.	140.	92.	0	0	8.2	0	0	0
Materials																	
PVC	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gravel/sand	ton	5625	310,000.	15.	730.	0	0	38,000.	190.	170.	23.	0	0	0.0023	0.00000036	0.0000068	0.000000000084
Cement Grout	dry-ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Concrete	tons	349.2	280,000.	9.1	66.	0	0	120,000.	240.	140.	1.5	0.0000098	0	3.8	0.0035	0.0084	0.000000056
Bentonite	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Produced	gal	27037.124	500,000.	16.	21.	0	0	73,000.	170.	350.	9.2	0.0097	0	3.2	0.0013	0.041	0.0000000081
Gasoline Produced	gal	307.2	6,500.	0.18	0.24	0	0	1,400.	2.5	5.8	0.16	0.00013	0	0.049	0.000026	0.00068	0.000000000095
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Groundwater Extracted On-site	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Produced	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Transported	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other On-Site Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials Subtotal			1,100,000.	40.	820.	0	0	230,000.	600.	670.	34.	0.0098	0	7.1	0.0048	0.05	0.000000064
Waste and Other Services																	
Off-site waste water treatment	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Generation	ton	6148.8	0	0	0	0	0	0	0	0	0	6,100.	0	0	0	0	0
Hazardous Waste Disposal	ton	6148.8	1,100,000.	52.	1,000.	0	0	170,000.	950.	510.	2,700.	0.054	0	9.5	0.0066	0.051	0.000000081
Laboratory Analysis	\$	7100	62,000.	3.6	4.	0	0	9,200.	32.	21.	0.81	0	0	1.5	0	0	0
Waste and Other Services Subtotal			1,200,000.	56.	1,000.	0	0	180,000.	980.	530.	2,700.	0.054	6,100.	11.	0.0066	0.051	0.000000081
Other																	
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Subtotal			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Notes:
 - All results are rounded to two significant digits
 - All water refers to all water of any variety (excluding sea water) that is used. This can include potable water, groundwater, surface water, reclaimed water, etc.
 - Air toxics refers to Hazardous Air Pollutant (HAPs) as defined by EPA
 - Mercury, lead, and dioxins released refers to releases to air and water

		Level 3 (Construction) Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 3 v3																														
		Quantity Used	Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
			Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Generated	Conv. Factor	Generated	Conv. Factor	Emitted	Conv. Factor	Released	Conv. Factor	Released	Conv. Factor	Released
	Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs			
Totals			1,300,000.	0		36.		8.5		27.		210,000.		1,600.		51.		32.		0		150.		2.8		0		0		0		
Energy																																
Diesel (on-site)	gal	9413.6	139	1,300,000.	0	0	0	0	0	0	0	22.5	210,000.	0.17	1,600.	0.0054	51.	0.0034	32.	0	0	0	0	0.0003	2.8	0	0	0	0	0		
Gasoline (on-site use)	gal	0	124	0	0	0	0	0	0	0	0	19.6	0	0.11	0	0.0045	0	0.0005	0	0	0	0	0	0.0003	0	0	0	0	0			
Natural gas (on-site use)	ccf	0	103	0	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0.29	0	0	0	0	0			
Diesel (off-site use)	gal	973.5792	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Gasoline (off-site use)	gal	2507.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
On-site electricity use	MWh	0	3413	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Electricity transmission*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Electricity production*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Energy Subtotal			1,300,000.	0		0		0		0		210,000.		1,600.		51.		32.		0		0		2.8		0		0				
Materials																																
PVC	lb	9329.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Steel	lb	8704	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Gravel/sand	ton	26.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Cement Grout	dry-ton	66.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Concrete	tons	26.0304	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Bentonite	ton	0.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Diesel Produced	gal	10387.179	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Gasoline Produced	gal	2507.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Groundwater Extracted On-site	gal x 1000	27.2	0	0	0	1	27.	0	0	1	27.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Potable Water Produced	gal x 1000	8.54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Potable Water Transported	gal x 1000	8.54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Potable Water Used	gal x 1000	8.54	0	0	0	1	8.5	1	8.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Other On-Site Water Used	gal x 1000	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Materials Subtotal			0	0		36.		8.5		27.		0		0		0		0		0		0		0		0		0				
Waste and Other Services																																
Off-site waste water treatment	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0			
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Hazardous Waste Generation	ton	149.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	150.	0	0	0	0	0	0	0			
Hazardous Waste Disposal	ton	149.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Laboratory Analysis	\$	1400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Waste and Other Services Subtotal			0	0		0		0		0		0		0		0		0		0		150.		0		0		0				
Other																																
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Other Subtotal			0	0		0		0		0		0		0		0		0		0		0		0		0		0				

Notes:
 - All results are rounded to two significant digits
 - Groundwater extracted refers to Groundwater extracted on-site that is not reinjected to an aquifer of similar quality
 - All water refers to all water of any variety used on-site that is not returned to its original source. This can include potable water, groundwater, surface water, reclaimed water, etc.
 - Air toxics refers to Hazardous Air Pollutant (HAPs) as defined by EPA

		Level 3 (Construction) Total On-Site and Off-Site Parameters - Alternative 3 v3																													
	Quantity Used	Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
		Used	Used	Used	Used	Used	Used	Used	Used	Used	Used	Used	Used	Used	Used	Used	Used	Used	Used	Used	Used	Used	Used	Used	Used	Used	Used	Used	Used	Used	Used
		Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000
Totals			2,600,000.	26.	180.	8.5	27.	510,000.	2,500.	510.	120.	2.2	150.	15.	0.0091	0.055	0.000064														
Energy																															
Diesel (on-site)	gal	9413.6	1,300,000.	0	0	0	0	210,000.	1,600.	51.	32.	0	0	2.8	0	0	0														
Gasoline (on-site use)	gal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0														
Natural gas (on-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0														
Diesel (off-site use)	gal	973.5792	140,000.	0	0	0	0	22,000.	170.	5.3	3.3	0	0	0.29	0	0	0														
Gasoline (off-site use)	gal	2507.6	310,000.	0	0	0	0	49,000.	280.	11.	1.4	0	0	0.75	0	0	0														
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0														
On-site electricity use	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0														
Electricity transmission*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0														
Electricity production*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0														
Energy Subtotal			1,800,000.	0	0	0	0	280,000.	2,100.	67.	37.	0	0	3.8	0	0	0														
Materials																															
PVC	lb	9329.6	210,000.	5.2	64.	0	0	38,000.	45.	71.	11.	0.021	0.015	4.4	0.0032	0.0012	0.000064														
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0														
Steel	lb	8704	38,000.	1.8	5.6	0	0	9,600.	12.	15.	4.9	2.2	0	0.58	0.00087	0.022	0.000000057														
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0														
Gravel/sand	ton	26.4	1,500.	0.071	3.4	0	0	180.	0.87	0.79	0.11	0	0	0.000011	0.0000000017	0.000000032	0.000000000004														
Cement Grout	dry-ton	66.9	270,000.	8.7	27.	0	0	120,000.	240.	140.	0.42	0	0	3.9	0.0038	0.0087	0.000000057														
Concrete	tons	26.0304	21,000.	0.68	4.9	0	0	8,700.	18.	11.	0.11	0.0000073	0	0.29	0.00026	0.00062	0.0000000042														
Bentonite	ton	0.7	39.	0.0019	0.091	0	0	4.7	0.023	0.021	0.0028	0	0	0.00000029	0.00000000045	0.00000000084	0.0000000000011														
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0														
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0														
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0														
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0														
Diesel Produced	gal	10387.179	190,000.	6.1	8.	0	0	28,000.	66.	140.	3.5	0.0037	0	1.2	0.0005	0.016	0.0000000031														
Gasoline Produced	gal	2507.6	53,000.	1.5	2.	0	0	11,000.	20.	48.	1.3	0.0011	0	0.4	0.00021	0.0055	0.00000000078														
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0														
Groundwater Extracted On-site	gal x 1000	27.2	0	0	27.	0	27.	0	0	0	0	0	0	0	0	0	0														
Potable Water Produced	gal x 1000	8.54	79.	0.0038	0.18	0	0	43.	0.083	0.05	0.14	0.000071	0	0.00013	0.0000007	0.00000057	0.00000000085														
Potable Water Transported	gal x 1000	8.54	63.	0.0055	0.04	0	0	4.4	0.0046	0.037	0.00048	0.000005	0	0.000023	0.0000033	0.00000000029															
Potable Water Used	gal x 1000	8.54	0	0	8.5	8.5	0	0	0	0	0	0	0	0	0	0	0														
Other On-Site Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0														
Materials Subtotal			780,000.	24.	150.	8.5	27.	220,000.	400.	430.	21.	2.2	0.015	11.	0.0089	0.054	0.000064														
Waste and Other Services																															
Off-site waste water treatment	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0														
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0														
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0														
Hazardous Waste Generation	ton	149.6	0	0	0	0	0	0	0	0	0	0	150.	0	0	0	0														
Hazardous Waste Disposal	ton	149.6	26,000.	1.3	25.	0	0	4,100.	23.	12.	66.	0.0013	0	0.23	0.00016	0.0013	0.00000002														
Laboratory Analysis	\$	1400	12,000.	0.7	0.78	0	0	1,800.	6.3	4.2	0.16	0	0	0.29	0	0	0														
Waste and Other Services Subtotal			38,000.	2.	26.	0	0	5,900.	29.	16.	66.	0.0013	150.	0.52	0.0013	0.0013	0.00000002														
Other																															
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0														
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0														
Other Subtotal			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0														

Notes:
 - All results are rounded to two significant digits
 - All water refers to all water of any variety (excluding sea water) that is used. This can include potable water, groundwater, surface water, reclaimed water, etc.
 - Air toxics refers to Hazardous Air Pollutant (HAPs) as defined by EPA
 - Mercury, lead, and dioxins released refers to releases to air and water

		Level 4 (O&M) Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 3 v3																															
		Quantity Used	Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins		
			Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Generated	Conv. Factor	Generated	Conv. Factor	Emitted	Conv. Factor	Released	Conv. Factor	Released	Conv. Factor	Released	
	Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs				
Totals			11,000.		3.4		1,700.		1,700.		0		0		0		0		0		0		0		0		0		0		0		
Energy																																	
Diesel (on-site)	gal	0	139	0	0	0	0	0	0	0	0	22.5	0	0.17	0	0.0054	0	0.0034	0	0	0	0	0	0.0003	0	0	0	0	0	0	0		
Gasoline (on-site use)	gal	0	124	0	0	0	0	0	0	0	0	19.6	0	0.11	0	0.0045	0	0.0005	0	0	0	0	0	0.0003	0	0	0	0	0	0	0		
Natural gas (on-site use)	ccf	0	103	0	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0.29	0	0	0	0	0	0	0		
Diesel (off-site use)	gal	3276	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Gasoline (off-site use)	gal	1848	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
On-site electricity use	MWh	3.36	3413	11,000.	1	3.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Electricity transmission*	MWh	3.36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Electricity production*	MWh	3.36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Energy Subtotal			11,000.		3.4		0		0		0		0		0		0		0		0		0		0		0		0		0		
Materials																																	
PVC	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Gravel/sand	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Cement Grout	dry-ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Concrete	tons	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bentonite	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bioinjection (Vegetable Oil)	lbs	234000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Diesel Produced	gal	3276	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Gasoline Produced	gal	1848	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Groundwater Extracted On-site	gal x 1000	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Potable Water Produced	gal x 1000	1710	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Potable Water Transported	gal x 1000	1710	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Potable Water Used	gal x 1000	1710	0	0	0	1	1,700.	1	1,700.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Other On-Site Water Used	gal x 1000	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Materials Subtotal			0		0		1,700.		1,700.		0		0		0		0		0		0		0		0		0		0		0		
Waste and Other Services																																	
Off-site waste water treatment	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Hazardous Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	
Hazardous Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Laboratory Analysis	\$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Waste and Other Services Subtotal			0		0		0		0		0		0		0		0		0		0		0		0		0		0		0		
Other																																	
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0		
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Other Subtotal			0		0		0		0		0		0		0		0		0		0		0		0		0		0		0		

Notes:
 - All results are rounded to two significant digits
 - Groundwater extracted refers to Groundwater extracted on-site that is not reinjected to an aquifer of similar quality
 - All water refers to all water of any variety used on-site that is not returned to its original source. This can include potable water, groundwater, surface water, reclaimed water, etc.
 - Air toxics refers to Hazardous Air Pollutant (HAPs) as defined by EPA

		Level 4 (O&M) Total On-Site and Off-Site Parameters - Alternative 3 v3														
	Quantity Used	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
		Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
		Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Totals		1,700,000.	22.	1,800.	1,700.	0	960,000.	7,100.	7,400.	440.	0.0074	0	2.3	0.0049	0.0093	0.0000000041
Energy																
Diesel (on-site)	gal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gasoline (on-site use)	gal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural gas (on-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel (off-site use)	gal	3276	460,000.	0	0	0	74,000.	560.	18.	11.	0	0	0.98	0	0	0
Gasoline (off-site use)	gal	1848	230,000.	0	0	0	36,000.	200.	8.3	1.	0	0	0.55	0	0	0
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site electricity use	MWh	3.36	11,000.	3.4	0	0	0	0	0	0	0	0	0	0	0	0
Electricity transmission*	MWh	3.36	1,400.	0.4	0	0	0	0	0	0	0	0	0	0	0	0
Electricity production*	MWh	3.36	26,000.	0.2	25.	0	2,700.	2.8	23.	0.29	0.003	0	0.057	0.0000087	0.0001	0.00000000029
Energy Subtotal		730,000.	4.	25.	0	0	110,000.	760.	49.	12.	0.003	0	1.6	0.0000087	0.0001	0.00000000029
Materials																
PVC	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gravel/sand	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cement Grout	dry-ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Concrete	tons	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bentonite	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	234000	840,000.	13.	5.6	0	820,000.	6,200.	7,300.	400.	0	0	0	0	0	0
Diesel Produced	gal	3276	61,000.	1.9	2.5	0	8,800.	21.	43.	1.1	0.0012	0	0.39	0.00016	0.0049	0.00000000098
Gasoline Produced	gal	1848	39,000.	1.1	1.5	0	8,100.	15.	35.	0.96	0.00078	0	0.3	0.00016	0.0041	0.00000000057
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Groundwater Extracted On-site	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Produced	gal x 1000	1710	16,000.	0.75	36.	0	8,600.	17.	10.	27.	0.0014	0	0.026	0.000014	0.00011	0.00000000017
Potable Water Transported	gal x 1000	1710	13,000.	1.1	8.1	0	880.	0.93	7.4	0.096	0.00099	0	0	0.0046	0.000066	0.00000000005
Potable Water Used	gal x 1000	1710	0	0	1,700.	1,700.	0	0	0	0	0	0	0	0	0	0
Other On-Site Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials Subtotal		970,000.	18.	1,800.	1,700.	0	850,000.	6,300.	7,400.	430.	0.0044	0	0.72	0.0049	0.0092	0.00000000038
Waste and Other Services																
Off-site waste water treatment	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Laboratory Analysis	\$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste and Other Services Subtotal		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other																
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Subtotal		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Notes:
 - All results are rounded to two significant digits
 - All water refers to all water of any variety (excluding sea water) that is used. This can include potable water, groundwater, surface water, reclaimed water, etc.
 - Air toxics refers to Hazardous Air Pollutant (HAPs) as defined by EPA
 - Mercury, lead, and dioxins released refers to releases to air and water

		Level 5 (LTM) Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 3 v3																														
		Quantity Used	Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
			Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Extracted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Generated	Conv. Factor	Generated	Conv. Factor	Emitted	Conv. Factor	Released	Conv. Factor	Released	Conv. Factor	Released
Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs		
Totals			16,000.		0		0		0		0		2,500.		14.		0.57		0.069		0		0		0.038		0		0		0	
Energy																																
Diesel (on-site)	gal	0	139	0	0	0	0	0	0	0	0	0	22.5	0	0.17	0	0.0054	0	0.0034	0	0	0	0	0.0003	0	0	0	0	0	0	0	
Gasoline (on-site use)	gal	127.2	124	16,000.	0	0	0	0	0	0	0	0	19.6	2,500.	0.11	14.	0.0045	0.57	0.0005	0.069	0	0	0	0.0003	0.038	0	0	0	0	0		
Natural gas (on-site use)	ccf	0	103	0	0	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0.29	0	0	0	0	0	0		
Diesel (off-site use)	gal	16.5375	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Gasoline (off-site use)	gal	844.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
On-site electricity use	MWh	0	3413	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Electricity transmission*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Electricity production*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Energy Subtotal			16,000.		0		0		0		0		2,500.		14.		0.57		0.069		0		0		0.038		0		0		0	
Materials																																
PVC	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Steel	lb	6615	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Gravel/sand	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Cement Grout	dry-ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Concrete	tons	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Bentonite	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Diesel Produced	gal	16.5375	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Gasoline Produced	gal	972	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Groundwater Extracted On-site	gal x 1000	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Potable Water Produced	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Potable Water Transported	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Potable Water Used	gal x 1000	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Other On-Site Water Used	gal x 1000	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Materials Subtotal			0		0		0		0		0		0		0		0		0		0		0		0		0		0		0	
Waste and Other Services																																
Off-site waste water treatment	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0		
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Hazardous Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0		
Hazardous Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Laboratory Analysis	\$	770400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Waste and Other Services Subtotal			0		0		0		0		0		0		0		0		0		0		0		0		0		0		0	
Other																																
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0		
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Other Subtotal			0		0		0		0		0		0		0		0		0		0		0		0		0		0		0	

Notes:
 - All results are rounded to two significant digits
 - Groundwater extracted refers to Groundwater extracted on-site that is not reinjected to an aquifer of similar quality
 - All water refers to all water of any variety used on-site that is not returned to its original source. This can include potable water, groundwater, surface water, reclaimed water, etc.
 - Air toxics refers to Hazardous Air Pollutant (HAPs) as defined by EPA

		Level 5 (LTM) Total On-Site and Off-Site Parameters - Alternative 3 v3														
	Quantity Used	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
		Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
		Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Totals		7,000,000.	390.	440.	0	0	1,000,000.	3,600.	2,300.	93.	1.7	0	160.	0.00074	0.019	0.000000043
Energy																
Diesel (on-site)	gal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gasoline (on-site use)	gal	127.2	16,000.	0	0	0	2,500.	14.	0.57	0.069	0	0	0.038	0	0	0
Natural gas (on-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel (off-site use)	gal	16.5375	2,300.	0	0	0	370.	2.8	0.089	0.056	0	0	0.005	0	0	0
Gasoline (off-site use)	gal	844.8	100,000.	0	0	0	17,000.	93.	3.8	0.46	0	0	0.25	0	0	0
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site electricity use	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity transmission*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity production*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Energy Subtotal		120,000.	0	0	0	0	20,000.	110.	4.5	0.59	0	0	0.29	0	0	0
Materials																
PVC	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Steel	lb	6615	29,000.	1.4	4.2	0	7,300.	9.3	11.	3.7	1.7	0	0.44	0.00066	0.017	0.000000043
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gravel/sand	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cement Grout	dry-ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Concrete	tons	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bentonite	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Produced	gal	16.5375	310.	0.0098	0.013	0	45.	0.11	0.21	0.0056	0.000006	0	0.002	0.0000079	0.000025	0.000000000005
Gasoline Produced	gal	972	20,000.	0.57	0.77	0	4,300.	7.8	18.	0.51	0.00041	0	0.16	0.000083	0.0021	0.000000000003
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Groundwater Extracted On-site	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Produced	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Transported	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other On-Site Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials Subtotal		49,000.	2.	5.	0	0	12,000.	17.	29.	4.2	1.7	0	0.6	0.00074	0.019	0.000000043
Waste and Other Services																
Off-site waste water treatment	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Laboratory Analysis	\$	770400	6,800,000.	390.	430.	0	1,000,000.	3,500.	2,300.	88.	0	0	160.	0	0	0
Waste and Other Services Subtotal			6,800,000.	390.	430.	0	1,000,000.	3,500.	2,300.	88.	0	0	160.	0	0	0
Other																
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Subtotal		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Notes:
 - All results are rounded to two significant digits
 - All water refers to all water of any variety (excluding sea water) that is used. This can include potable water, groundwater, surface water, reclaimed water, etc.
 - Air toxics refers to Hazardous Air Pollutant (HAPs) as defined by EPA
 - Mercury, lead, and dioxins released refers to releases to air and water

Level 6 (Decomm.) Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 3 v3																															
	Quantity Used	Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
		Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Extracted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Generated	Conv. Factor	Generated	Conv. Factor	Emitted	Conv. Factor	Released	Conv. Factor	Released	Conv. Factor	Released
			Mbtu		MWh		gal x 1000		gal x 1000		gal x 1000		lbs		lbs		lbs		lbs		tons		tons		lbs		lbs		lbs		lbs
Totals			3,100.		0		1.9		1.9		0		500.		3.8		0.12		0.076		0		0		0.0067		0		0		0
Energy																															
Diesel (on-site)	gal	22.4	139	3,100.	0	0	0	0	0	0	0	22.5	500.	0.17	3.8	0.0054	0.12	0.0034	0.076	0	0	0	0	0.0003	0.0067	0	0	0	0	0	0
Gasoline (on-site use)	gal	0	124	0	0	0	0	0	0	0	0	19.6	0	0.11	0	0.0045	0	0.0005	0	0	0	0	0	0.0003	0	0	0	0	0	0	0
Natural gas (on-site use)	ccf	0	103	0	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0.29	0	0	0	0	0	0	0
Diesel (off-site use)	gal	7.35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gasoline (off-site use)	gal	288	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site electricity use	MWh	0	3413	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity transmission*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity production*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Energy Subtotal			3,100.		0		0		0		0		500.		3.8		0.12		0.076		0		0		0.0067		0		0		0
Materials																															
PVC	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gravel/sand	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cement Grout	dry-ton	14.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Concrete	tons	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bentonite	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Produced	gal	29.75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gasoline Produced	gal	288	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Groundwater Extracted On-site	gal x 1000	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Produced	gal x 1000	1.877	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Transported	gal x 1000	1.877	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Used	gal x 1000	1.877	0	0	0	1	1.9	1	1.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other On-Site Water Used	gal x 1000	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials Subtotal			0		0		1.9		1.9		0		0		0		0		0		0		0		0		0		0		0
Waste and Other Services																															
Off-site waste water treatment	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Laboratory Analysis	\$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste and Other Services Subtotal			0		0		0		0		0		0		0		0		0		0		0		0		0		0		0
Other																															
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Subtotal			0		0		0		0		0		0		0		0		0		0		0		0		0		0		0

Notes:
 - All results are rounded to two significant digits
 - Groundwater extracted refers to Groundwater extracted on-site that is not reinjected to an aquifer of similar quality
 - All water refers to all water of any variety used on-site that is not returned to its original source. This can include potable water, groundwater, surface water, reclaimed water, etc.
 - Air toxics refers to Hazardous Air Pollutant (HAPs) as defined by EPA

		Level 6 (Decomm.) Total On-Site and Off-Site Parameters - Alternative 3 v3															
		Quantity Used	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
			Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
		Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs	
Totals			110,000.	2.1	8.2	1.9	0	33,000.	93.	39.	0.54	0.00013	0	1.	0.00087	0.0026	0.0000000012
Energy																	
Diesel (on-site)	gal	22.4	3,100.	0	0	0	0	500.	3.8	0.12	0.076	0	0	0.0067	0	0	0
Gasoline (on-site use)	gal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural gas (on-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel (off-site use)	gal	7.35	1,000.	0	0	0	0	170.	1.2	0.04	0.025	0	0	0.0022	0	0	0
Gasoline (off-site use)	gal	288	36,000.	0	0	0	0	5,600.	32.	1.3	0.16	0	0	0.086	0	0	0
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site electricity use	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity transmission*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity production*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Energy Subtotal			40,000.	0	0	0	0	6,300.	37.	1.5	0.26	0	0	0.095	0	0	0
Materials																	
PVC	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gravel/sand	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cement Grout	dry-ton	14.7	60,000.	1.9	6.	0	0	26,000.	53.	31.	0.093	0	0	0.85	0.00084	0.0019	0.0000000012
Concrete	tons	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bentonite	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Produced	gal	29.75	550.	0.018	0.023	0	0	80.	0.19	0.39	0.01	0.000011	0	0.0036	0.0000014	0.000045	0.0000000000089
Gasoline Produced	gal	288	6,000.	0.17	0.23	0	0	1,300.	2.3	5.5	0.15	0.00012	0	0.046	0.000024	0.00063	0.0000000000089
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Groundwater Extracted On-site	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Produced	gal x 1000	1.877	17.	0.00083	0.039	0	0	9.4	0.018	0.011	0.03	0.0000016	0	0.000028	0.000000015	0.00000013	0.00000000000019
Potable Water Transported	gal x 1000	1.877	14.	0.0012	0.0089	0	0	0.97	0.001	0.0081	0.00011	0.0000011	0	0.000005	0.000000073	0.000000000000059	
Potable Water Used	gal x 1000	1.877	0	0	1.9	1.9	0	0	0	0	0	0	0	0	0	0	0
Other On-Site Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials Subtotal			67,000.	2.1	8.2	1.9	0	27,000.	56.	37.	0.28	0.00013	0	0.9	0.00087	0.0026	0.0000000012
Waste and Other Services																	
Off-site waste water treatment	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Laboratory Analysis	\$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste and Other Services Subtotal			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other																	
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Subtotal			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Notes:
 - All results are rounded to two significant digits
 - All water refers to all water of any variety (excluding sea water) that is used. This can include potable water, groundwater, surface water, reclaimed water, etc.
 - Air toxics refers to Hazardous Air Pollutant (HAPs) as defined by EPA
 - Mercury, lead, and dioxins released refers to releases to air and water