APPENDIX D

FOOTPRINTING SPREADSHEET OUTPUT

SECONDARY ANALYSIS

SPREADSHEET OUTPUT FILES – SECONDARY ANALYSIS

This appendix provides all of the spreadsheet output for the Romic secondary 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-1and 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 – Bioremediation
- Alternative 4 – P&T

- 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 remedy inventory sheets are included in Appendix A.

Footprint Analysis Spreadsheets - General Output
Romic, East Palo Alto, CA - Secondary 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	Bioremediation
Green Remediation Tool Alternative 4 v1.xlsx	X	P&T
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		
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 comparions of the various alternatives

Sheet Name:

	Comparison for Parameters Used, Extracted, Emitted, or Generated On-Site														
	Energy Used Mbtu	Electricity Used MWh	All Water Used gal x 1000	Potable Water Used gal x 1000	Groundwater Extracted gal x 1000	CO2e Emitted lbs	NO x Emitted lbs	SO x Emitted lbs	PM Emitted lbs	Solid Waste Generated tons	Haz. Waste Generated tons	Air Toxics Emitted lbs	Mercury Released lbs	Lead Released lbs	Dioxins Released lbs
Level 1 - Site Investigation															
Bioremediation	34,000.	0	0.5	0.5	0	5,600.	42.	1.3	0.84	0	1.3	0.074	0	0	0
P&T	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															
Bioremediation	85,000.	0	0	0	0	14,000.	100.	3.3	2.1	0	6,100.	0.18	0	0	0
P&T	85,000.	0	0	0	0	14,000.	100.	3.3	2.1	0	6,100.	0.18	0	0	0
Level 3 - Construction															
Bioremediation	1,300,000.	0	36.	8.5	27.	210,000.	1,600.	51.	32.	0	150.	2.8	0	0	0
P&T	520,000.	0	15.	2.7	12.	84,000.	640.	20.	13.	0	52.	1.1	0	0	0
Level 4 - O&M															
Bioremediation	46,000.	13.	6,800.	6,800.	0	0	0	0	0	0	0	0	0	0	0
P&T	26,000,000.	7,600.	2,700,000.	0	2,700,000.	190,000.	0	0	0	0	0	18,000.	0	0	0
Level 5 - LTM															
Bioremediation	16,000.	0	0	0	0	2,500.	14.	0.57	0.069	0	0	0.038	0	0	0
P&T	55,000.	0	0	0	0	8,700.	49.	2.	0.24	0	0	0.13	0	0	0
Level 6 - Decomm.															
Bioremediation	3,100.	0	1.9	1.9	0	500.	3.8	0.12	0.076	0	0	0.0067	0	0	0
P&T	3,100.	0	0.52	0.52	0	500.	3.8	0.12	0.076	0	0	0.0067	0	0	0
Total (All Levels)															
Bioremediation	1,500,000.	13.	6,800.	6,800.	27.	230,000.	1,800.	56.	35.	0	6,300.	3.1	0	0	0
P&T	27,000,000.	7,600.	2,700,000.	3.7	2,700,000.	300,000.	830.	27.	16.	0	6,200.	18,000.	0	0	0

	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
Level 1 - Site Investigation															
Bioremediation	570,000.	30.	35.	0	0	86,000.	310.	190.	8.	0.00019	0	13.	0.000078	0.00093	0.0000000001
P&T	570,000.	30.	35.	0	0	86,000.	310.	190.	8.	0.00019	0	13.	0.000078	0.00093	0.0000000001
Level 2 - Excavation															
Bioremediation	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	0.000000087
P&T	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	0.000000087
Level 3 - Construction															
Bioremediation	1,300,000.	26.	150.	0	0	300,000.	880.	460.	92.	2.2	0.015	13.	0.0091	0.055	0.000064
P&T	940,000.	23.	93.	0	0	190,000.	570.	310.	76.	15.	0.0072	8.7	0.0085	0.15	0.000025
Level 4 - O&M															
Bioremediation	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
P&T	160,000,000.	5,700.	110,000.	0	0	33,000,000.	240,000.	190,000.	1,000.	8.2	0	520.	0.24	2.	0.0000028
Level 5 - LTM															
Bioremediation	6,900,000.	390.	440.	0	0	1,000,000.	3,600.	2,300.	93.	1.7	0	160.	0.00074	0.019	0.000000043
P&T	7,800,000.	430.	480.	0	0	1,100,000.	4,100.	2,600.	100.	0.00081	0	180.	0.00016	0.0042	0.00000000006
Level 6 - Decomm.															
Bioremediation	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
P&T	59,000.	0.71	2.	0	0	14,000.	49.	15.	0.36	0.00013	0	0.38	0.00026	0.0012	0.00000000036
Total (All Levels)															
Bioremediation	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
P&T	180,000,000.	6,300.	110,000.	0	0	35,000,000.	250,000.	190,000.	4,000.	23.	0.0072	750.	0.26	2.3	0.000028

	Comparison for Total Parameters Used, Extracted, Emitted, or Generated On-Site and Off-Site														
	Energy Used Mbtu	Electricity Used MWh	All Water Used gal x 1000	Potable Water Used gal x 1000	Groundwater Extracted gal x 1000	CO2e Emitted lbs	NO x Emitted lbs	SO x Emitted lbs	PM Emitted lbs	Solid Waste Generated tons	Haz. Waste Generated tons	Air Toxics Emitted lbs	Mercury Released lbs	Lead Released lbs	Dioxins Released lbs
Level 1 - Site Investigation															
Bioremediation	610,000.	30.	35.	0.5	0	91,000.	350.	190.	8.9	0.00019	1.3	13.	0.000078	0.00093	0.0000000001
P&T	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															
Bioremediation	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
P&T	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															
Bioremediation	2,600,000.	26.	180.	8.5	27.	510,000.	2,500.	510.	120.	2.2	150.	15.	0.0091	0.055	0.000064
P&T	1,500,000.	23.	110.	2.7	12.	270,000.	1,200.	330.	89.	15.	52.	9.8	0.0085	0.15	0.000025
Level 4 - O&M															
Bioremediation	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
P&T	190,000,000.	13,000.	2,900,000.	0	2,700,000.	33,000,000.	240,000.	190,000.	1,000.	8.2	0	19,000.	0.24	2.	0.0000028
Level 5 - LTM															
Bioremediation	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
P&T	7,900,000.	430.	480.	0	0	1,100,000.	4,100.	2,600.	100.	0.00081	0	180.	0.00016	0.0042	0.00000000006
Level 6 - Decomm.															
Bioremediation	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
P&T	62,000.	0.71	2.5	0.52	0	15,000.	53.	15.	0.43	0.00013	0	0.38	0.00026	0.0012	0.00000000036
Total (All Levels)															
Bioremediation	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
P&T	210,000,000.	14,000.	2,900,000.	3.7	2,700,000.	35,000,000.	250,000.	190,000.	4,000.	23.	6,200.	19,000.	0.26	2.3	0.000028

	Scaled Comparison for Parameters Used, Extracted, Emitted, or Generated On-Site														
	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
Baseline Alternative:	Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
Bioremediation	Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Site Investigation															
Bioremediation	100%	0%	100%	100%	0%	100%	100%	100%	100%	0%	100%	100%	0%	0%	0%
P&T	100%	0%	100%	100%	0%	100%	100%	100%	100%	0%	100%	100%	0%	0%	0%
Excavation															
Bioremediation	100%	0%	0%	0%	0%	100%	100%	100%	100%	0%	100%	100%	0%	0%	0%
P&T	100%	0%	0%	0%	0%	100%	100%	100%	100%	0%	100%	100%	0%	0%	0%
Construction															
Bioremediation	100%	0%	100%	100%	100%	100%	100%	100%	100%	0%	100%	100%	0%	0%	0%
P&T	40%	0%	42%	32%	44%	40%	40%	39%	41%	0%	35%	39%	0%	0%	0%
O&M															
Bioremediation	100%	100%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
P&T	56522%	58462%	39706%	0%			0%	0%	0%	0%	0%		0%	0%	0%
LTM															
Bioremediation	100%	0%	0%	0%	0%	100%	100%	100%	100%	0%	0%	100%	0%	0%	0%
P&T	344%	0%	0%	0%	0%	348%	350%	351%	348%	0%	0%	342%	0%	0%	0%
Decomm.															
Bioremediation	100%	0%	100%	100%	0%	100%	100%	100%	100%	0%	0%	100%	0%	0%	0%
P&T	100%	0%	27%	27%	0%	100%	100%	100%	100%	0%	0%	100%	0%	0%	0%
Total (All Levels)															
Bioremediation	100%	100%	100%	100%	100%	100%	100%	100%	100%	0%	100%	100%	0%	0%	0%
P&T	1800%	58462%	39706%	0%	10000000%	130%	46%	48%	46%	0%	98%	580645%	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.

	Scaled Comparison for Parameters Used, Extracted, Emitted, or Generated Off-Site														
Baseline Alternative:	**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**
Bioremediation	**Mbtu**	**MWh**	**gal x 1000**	**gal x 1000**	**gal x 1000**	**lbs**	**lbs**	**lbs**	**lbs**	**tons**	**tons**	**lbs**	**lbs**	**lbs**	**lbs**
Site Investigation															
Bioremediation	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	0%	100%	100%	100%	100%
P&T	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	0%	100%	100%	100%	100%
Excavation															
Bioremediation	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	0%	100%	100%	100%	100%
P&T	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	0%	100%	100%	100%	100%
Construction															
Bioremediation	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
P&T	72%	88%	62%	0%	0%	63%	65%	67%	83%	682%	48%	67%	93%	273%	39%
O&M															
Bioremediation	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	0%	100%	100%	100%	100%
P&T	1231%	11875%	20000%	0%	0%	943%	960%	1000%	161%	21579%	0%	2737%	1200%	2817%	121739%
LTM															
Bioremediation	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	0%	100%	100%	100%	100%
P&T	113%	110%	109%	0%	0%	110%	114%	113%	108%	0%	0%	113%	22%	22%	0%
Decomm.															
Bioremediation	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	0%	100%	100%	100%	100%
P&T	59%	34%	32%	0%	0%	42%	55%	39%	77%	100%	0%	38%	30%	46%	30%
Total (All Levels)															
Bioremediation	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
P&T	643%	1068%	3667%	0%	0%	593%	694%	826%	111%	575%	48%	326%	619%	920%	44%

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.

	Scaled 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
Baseline Alternative:	Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
Bioremediation	Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Site Investigation															
Bioremediation	100%	100%	100%	100%	0%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
P&T	100%	100%	100%	100%	0%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Excavation															
Bioremediation	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
P&T	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Construction															
Bioremediation	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
P&T	58%	88%	61%	32%	44%	53%	48%	65%	74%	682%	35%	65%	93%	273%	39%
O&M															
Bioremediation	100%	100%	100%	100%	0%	100%	100%	100%	100%	100%	0%	100%	100%	100%	100%
P&T	1462%	21311%	39726%	0%		943%	960%	1000%	161%	21579%	0%	100000%	1200%	2817%	121739%
LTM															
Bioremediation	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	0%	100%	100%	100%	100%
P&T	113%	110%	109%	0%	0%	110%	114%	113%	108%	0%	0%	113%	22%	22%	0%
Decomm.															
Bioremediation	100%	100%	100%	100%	0%	100%	100%	100%	100%	100%	0%	100%	100%	100%	100%
P&T	56%	34%	30%	27%	0%	45%	57%	38%	80%	100%	0%	38%	30%	46%	30%
Total (All Levels)															
Bioremediation	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
P&T	724%	2295%	29592%	0%	10000000%	574%	658%	826%	111%	575%	98%	8261%	619%	920%	44%

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 Mbtu	Electricity Used MWh	All Water Used gal x 1000	Potable Water Used gal x 1000	Groundwater Extracted gal x 1000	CO2e Emitted lbs	NO x Emitted lbs	SO x Emitted lbs	PM Emitted lbs	Solid Waste Generated tons	Haz. Waste Generated tons	Air Toxics Emitted lbs	Mercury Released lbs	Lead Released lbs	Dioxins Released lbs
Site Investigation															
Bioremediation	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%)			
P&T	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															
Bioremediation	Diesel-On (100%)					Diesel-On (100%)	Diesel-On (100%)	Diesel-On (100%)	Diesel-On (100%)		HW-Gen (100%)	Diesel-On (100%)			
P&T	Diesel-On (100%)					Diesel-On (100%)	Diesel-On (100%)	Diesel-On (100%)	Diesel-On (100%)		HW-Gen (100%)	Diesel-On (100%)			
Construction															
Bioremediation	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%)			
P&T	Diesel-On (100%)		GW Ext (80%)	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															
Bioremediation	Elec. Use (100%)	Elec. Use (100%)	PW Used (100%)	PW Used (100%)											
P&T	Elec. Use (100%)	Elec. Use (100%)	GW Ext (100%)		GW Ext (100%)	Proc. GHGs (100%)						Proc. HAPs (100%)			
LTM															
Bioremediation	Gas-On (100%)					Gas-On (100%)	Gas-On (100%)	Gas-On (100%)	Gas-On (100%)			Gas-On (100%)			
P&T	Gas-On (100%)					Gas-On (100%)	Gas-On (100%)	Gas-On (100%)	Gas-On (100%)			Gas-On (100%)			
Decomm.															
Bioremediation	Diesel-On (100%)		PW Used (100%)	PW Used (100%)		Diesel-On (100%)	Diesel-On (100%)	Diesel-On (100%)	Diesel-On (100%)			Diesel-On (100%)			
P&T	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)															
Bioremediation	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%)			
P&T	4 - Elec. Use (96%)	4 - Elec. Use (100%)	4 - GW Ext (100%)	3 - PW Used (73%)	4 - GW Ext (100%)	4 - Proc. GHGs (63%)	3 - Diesel-On (77%)	3 - Diesel-On (74%)	3 - Diesel-On (81%)		2 - HW-Gen (98%)	4 - Proc. HAPs (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).

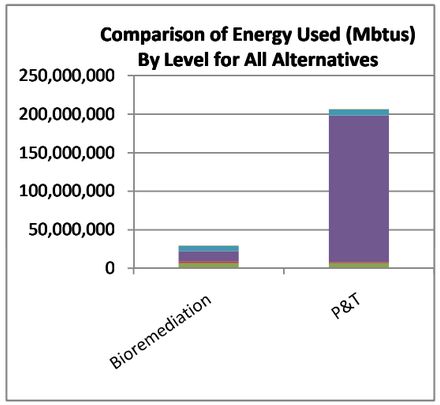
	Major Contributors for Parameters Used, Extracted, Emitted, or Generated Off-Site														
	Energy Used Mbtu	Electricity Used MWh	All Water Used gal x 1000	Potable Water Used gal x 1000	Groundwater Extracted gal x 1000	CO2e Emitted lbs	NO x Emitted lbs	SO x Emitted lbs	PM Emitted lbs	Solid Waste Generated tons	Haz. Waste Generated tons	Air Toxics Emitted lbs	Mercury Released lbs	Lead Released lbs	Dioxins Released lbs
Site Investigation															
Bioremediation	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%)
P&T	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															
Bioremediation	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%)
P&T	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															
Bioremediation	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%)
P&T	Steel (27%)	Steel (52%)	Steel (39%)			Steel (33%)	Diesel-Off (30%)	Steel (31%)	Steel (42%)	Steel (93%)	PVC (72%)	Steel (44%)	Steel (67%)	Steel (93%)	PVC (92%)
O&M															
Bioremediation	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%)
P&T	GAC-R (50%)	GAC-R (65%)	Elec. Prod (51%)			GAC-R (52%)	GAC-R (88%)	GAC-R (68%)	Elec. Prod (66%)	Elec. Prod (84%)		POTW (63%)	POTW (92%)	POTW (85%)	POTW (96%)
LTM															
Bioremediation	Lab (99%)	Lab (100%)	Lab (98%)			Lab (100%)	Lab (97%)	Lab (100%)	Lab (95%)	Steel (100%)		Lab (100%)	Steel (89%)	Steel (89%)	Steel (100%)
P&T	Lab (97%)	Lab (100%)	Lab (100%)			Lab (100%)	Lab (95%)	Lab (100%)	Lab (98%)	Gas-Pro (100%)		Lab (100%)	Gas-Pro (100%)	Gas-Pro (100%)	Gas-Pro (100%)
Decomm.															
Bioremediation	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%)
P&T	Gas-Off (61%)	Cement (75%)	Cement (85%)			Cement (53%)	Gas-Off (65%)	Cement (57%)	Gas-Off (44%)	Gas-Pro (92%)		Cement (63%)	Cement (88%)	Gas-Pro (53%)	Cement (97%)
Total (All Levels)															
Bioremediation	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%)
P&T	4 - GAC-R (44%)	4 - GAC-R (59%)	4 - Elec. Prod (51%)			4 - GAC-R (49%)	4 - GAC-R (84%)	4 - GAC-R (68%)	2 - HW-Disp (68%)	3 - Steel (61%)	3 - PVC (72%)	4 - POTW (44%)	4 - POTW (85%)	4 - POTW (74%)	3 - PVC (82%)

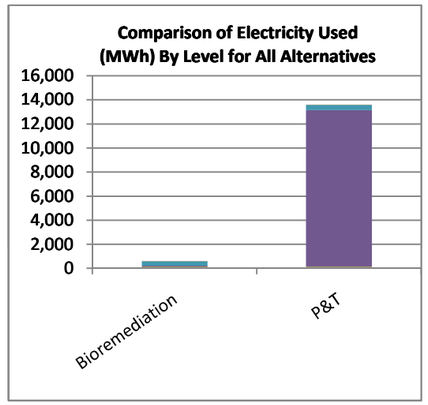
Note: The primary contributor to the footprint for a particular alternative and level is indicated by an abbreviation in addition to the percentage of the overall footprint that results from this primary contributor.
For the total, the number preceding the abbreviation represents the level associated 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).

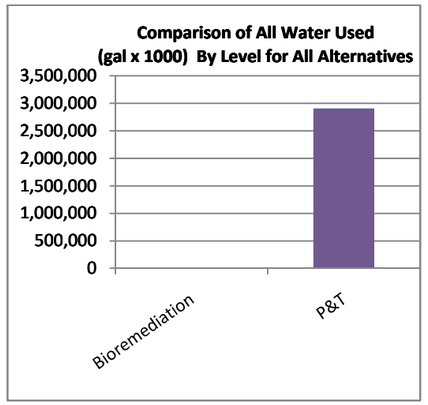
	Comparison for Total Parameters Used, Extracted, Emitted, or Generated On-Site and Off-Site														
	Energy Used Mbtu	Electricity Used MWh	All Water Used gal x 1000	Potable Water Used gal x 1000	Groundwater Extracted gal x 1000	CO2e Emitted lbs	NO x Emitted lbs	SO x Emitted lbs	PM Emitted lbs	Solid Waste Generated tons	Haz. Waste Generated tons	Air Toxics Emitted lbs	Mercury Released lbs	Lead Released lbs	Dioxins Released lbs
Site Investigation															
Bioremediation	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%)
P&T	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															
Bioremediation	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%)
P&T	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															
Bioremediation	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%)
P&T	Diesel-On (35%)	Steel (52%)	Steel (33%)	PW Used (100%)	GW Ext (100%)	Diesel-On (31%)	Diesel-On (53%)	Steel (29%)	Steel (36%)	Steel (93%)	HW-Gen (100%)	Steel (39%)	Steel (67%)	Steel (93%)	PVC (92%)
O&M															
Bioremediation	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%)
P&T	GAC-R (42%)	Elec. Use (58%)	GW Ext (93%)		GW Ext (100%)	GAC-R (52%)	GAC-R (88%)	GAC-R (68%)	Elec. Prod (66%)	Elec. Prod (84%)		Proc. HAPs (95%)	POTW (92%)	POTW (85%)	POTW (96%)
LTM															
Bioremediation	Lab (97%)	Lab (100%)	Lab (98%)			Lab (100%)	Lab (97%)	Lab (100%)	Lab (95%)	Steel (100%)		Lab (100%)	Steel (89%)	Steel (89%)	Steel (100%)
P&T	Lab (96%)	Lab (100%)	Lab (100%)			Lab (100%)	Lab (95%)	Lab (100%)	Lab (98%)	Gas-Pro (100%)		Lab (100%)	Gas-Pro (100%)	Gas-Pro (100%)	Gas-Pro (100%)
Decomm.															
Bioremediation	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%)
P&T	Gas-Off (58%)	Cement (75%)	Cement (68%)	PW Used (100%)		Cement (49%)	Gas-Off (60%)	Cement (57%)	Gas-Off (37%)	Gas-Pro (92%)		Cement (63%)	Cement (88%)	Gas-Pro (53%)	Cement (97%)
Total (All Levels)															
Bioremediation	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%)
P&T	4 - GAC-R (38%)	4 - Elec. Use (54%)	4 - GW Ext (93%)	3 - PW Used (73%)	4 - GW Ext (100%)	4 - GAC-R (49%)	4 - GAC-R (84%)	4 - GAC-R (68%)	2 - HW-Disp (68%)	3 - Steel (61%)	2 - HW-Gen (98%)	4 - Proc. HAPs (95%)	4 - POTW (85%)	4 - POTW (74%)	3 - PVC (82%)

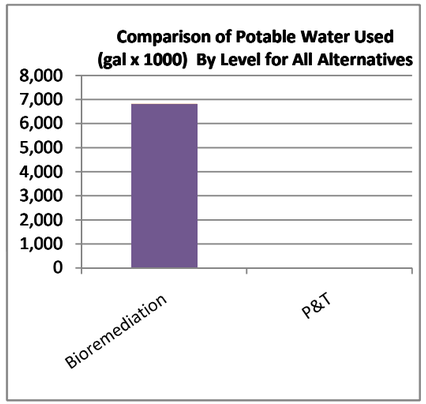
Note: The primary contributor to the footprint for a particular alternative and level is indicated by an abbreviation in addition to the percentage of the overall footprint that results from this primary contributor.
For the total, the number preceding the abbreviation represents the level associated 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).

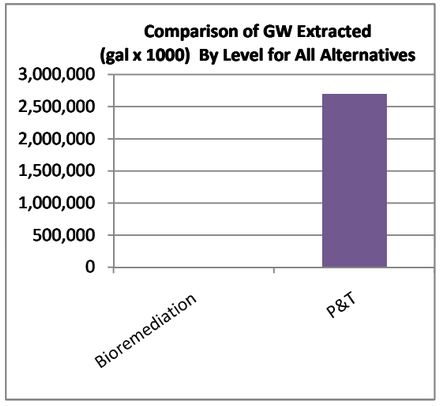
Romic, East Palo Alto, CA - Secondary Analysis - Output by Parameter for Both Remedies - Total (On-Site + Off-Site) Footprint

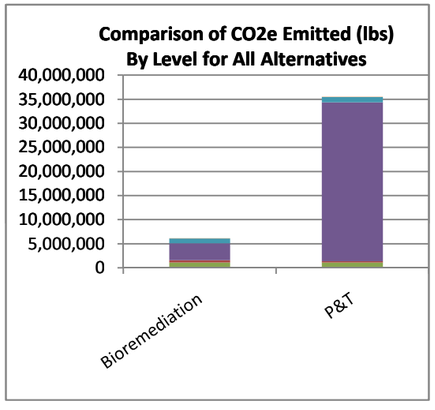


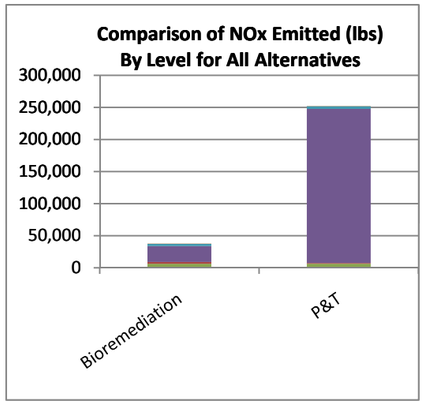


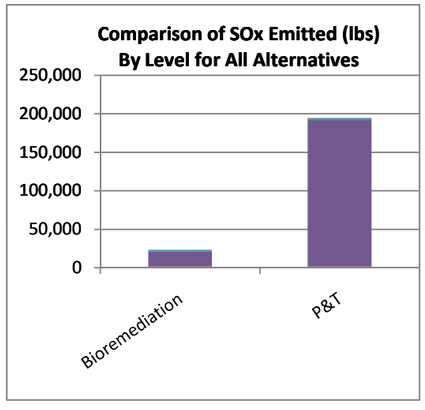


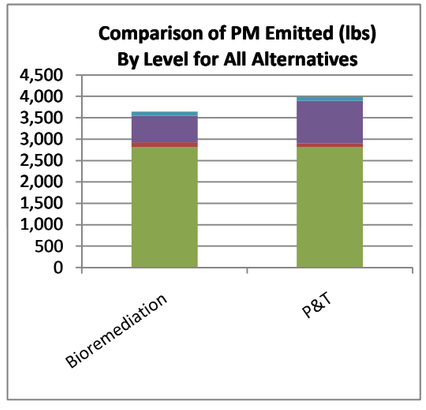


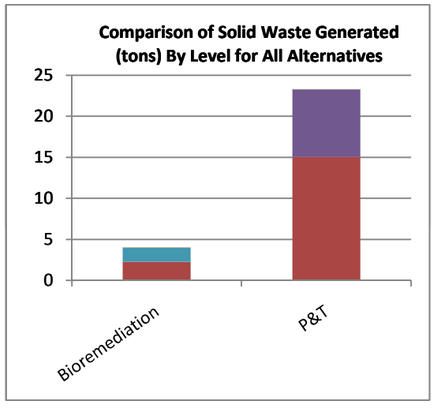


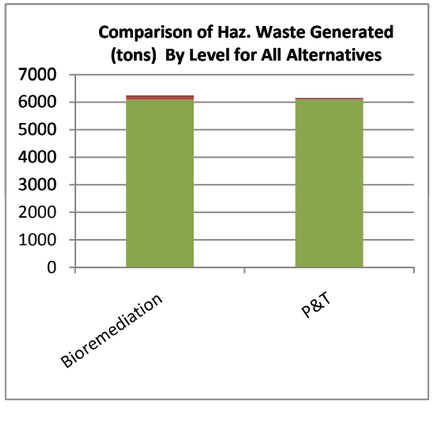


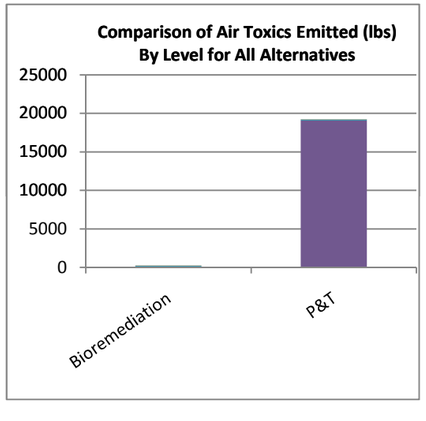


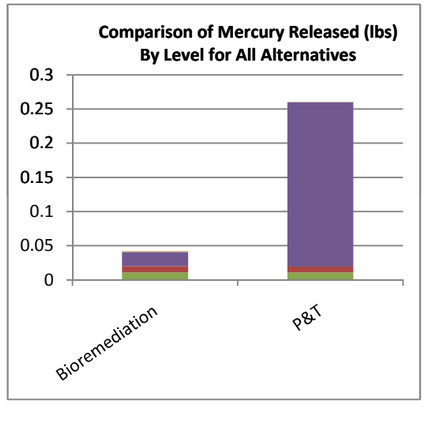


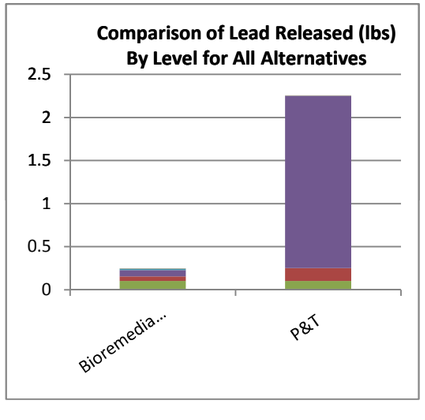


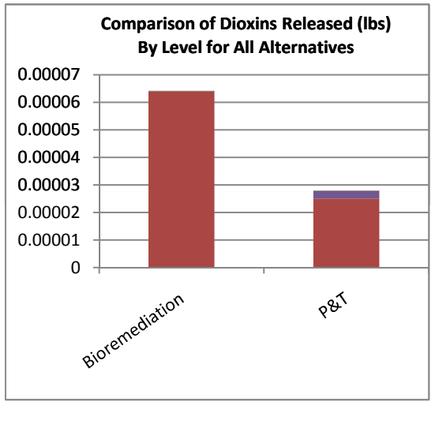












Level 1_- Site Investigation
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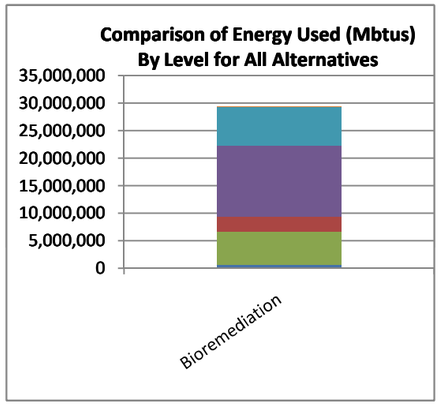
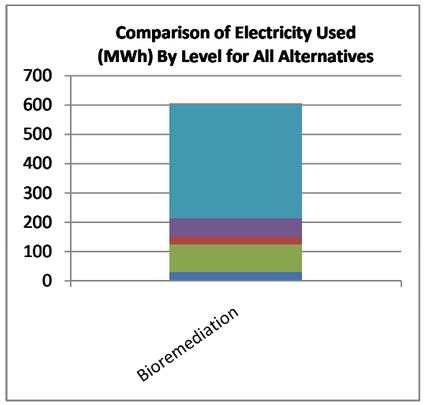
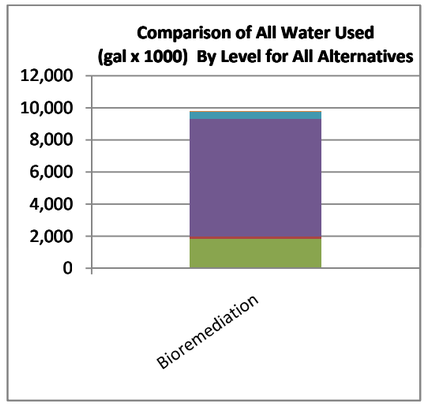
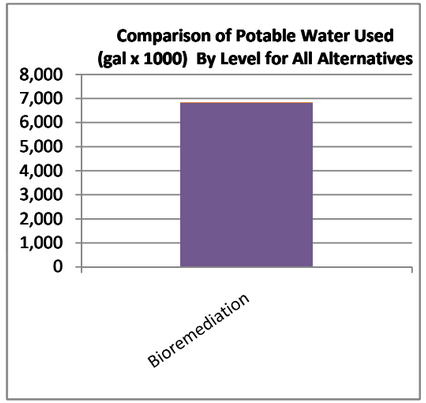
Level 5_- LTM
Level 6_- Decomm.

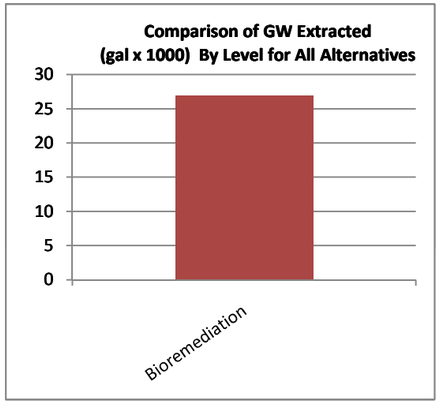
Romic, East Palo Alto, CA - Secondary Analysis - Output by Parameter for Bioremediation - Total (On-Site + Off-Site) Footprint

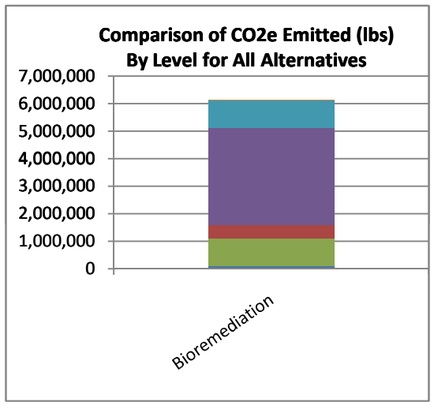


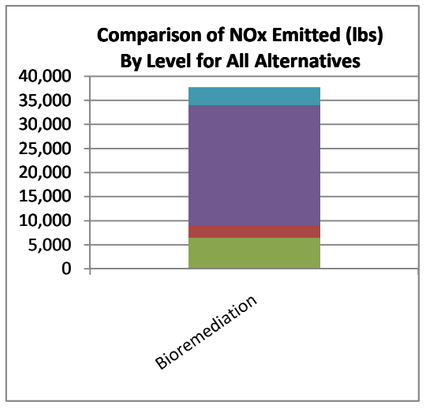


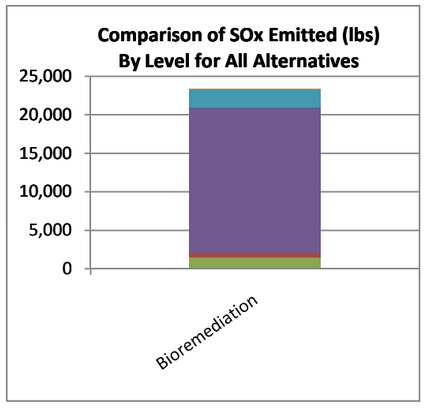


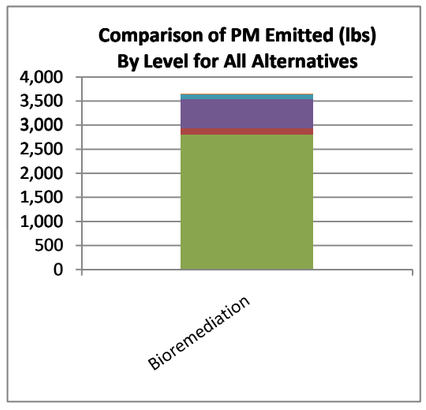


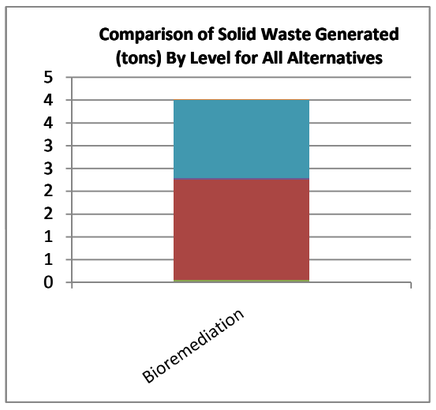


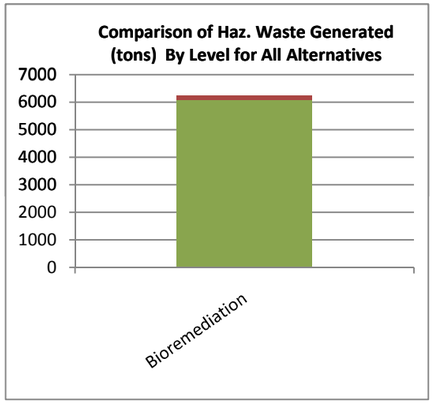


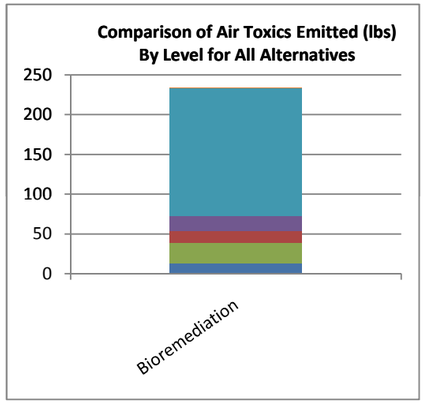


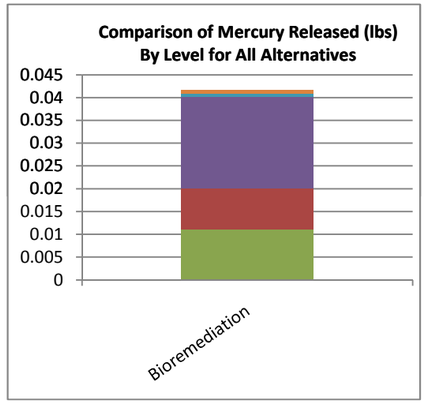


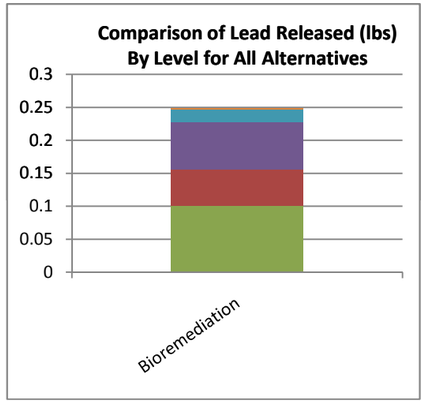


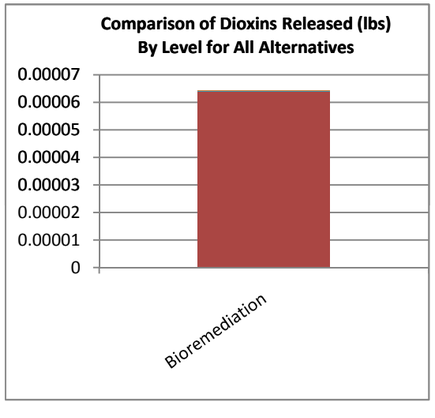












Level 1_- Site Investigation
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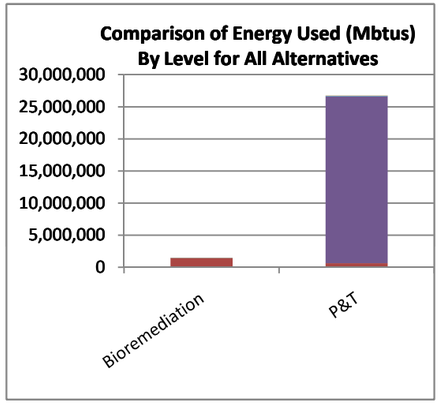
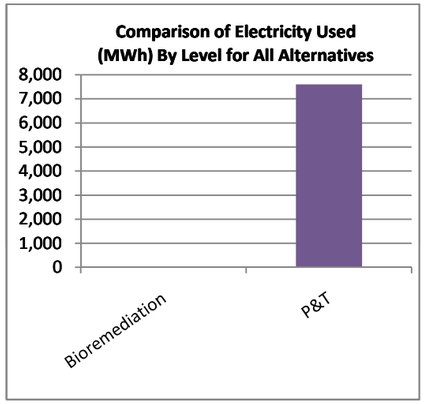
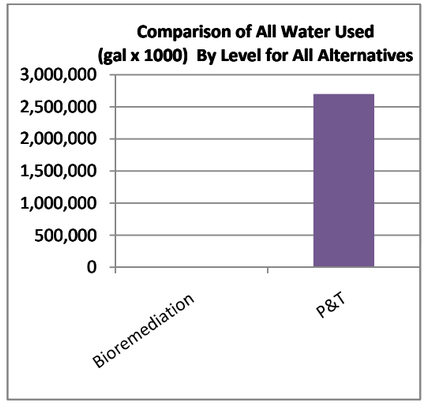
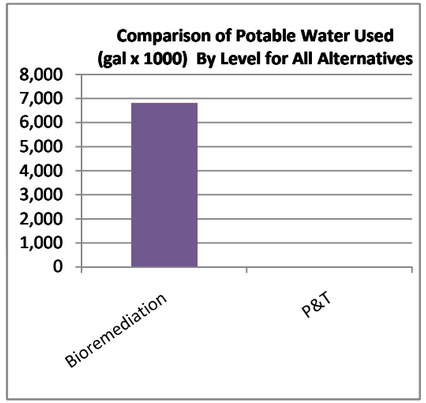
Level 4_- O&M
Level 5_- LTM
Level 6_- Decomm.

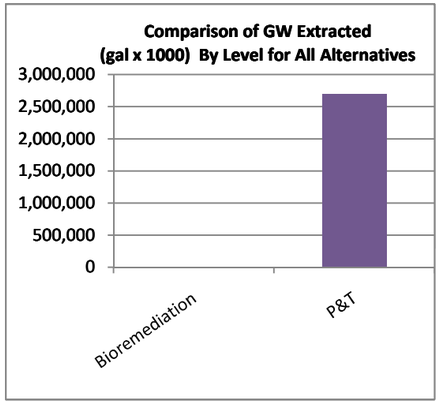
Romic, East Palo Alto, CA - Secondary Analysis - Output by Parameter for Both Remedies - On-Site Footprint

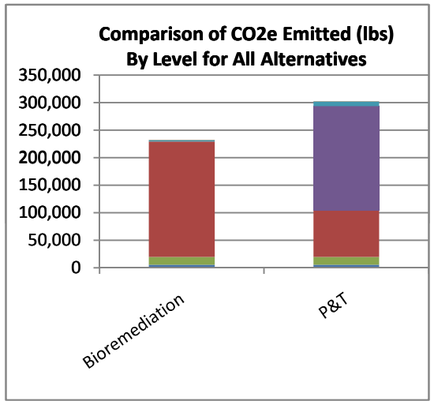


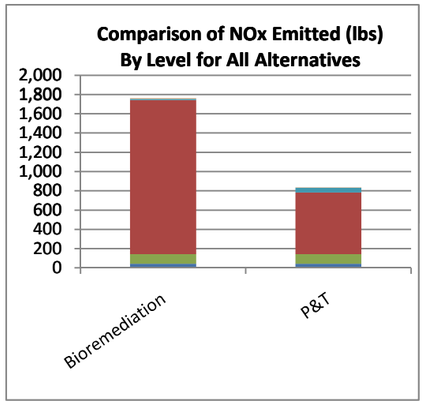


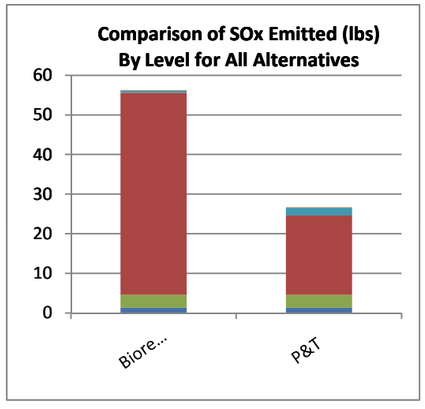


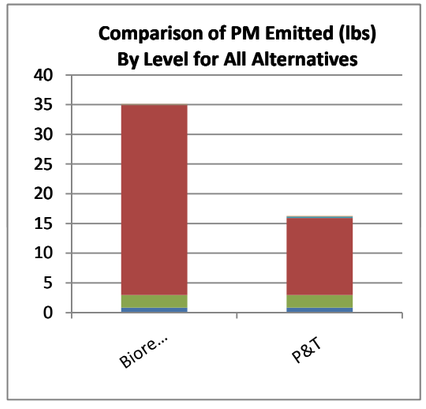


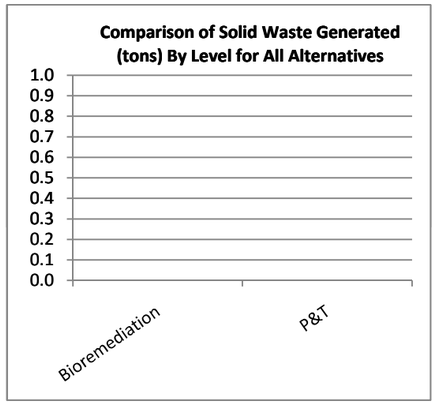


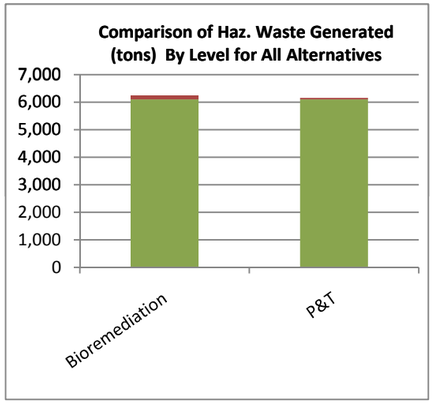


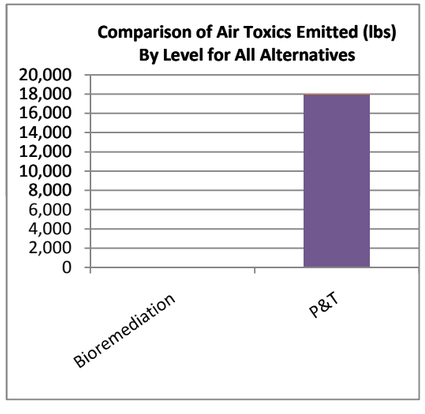


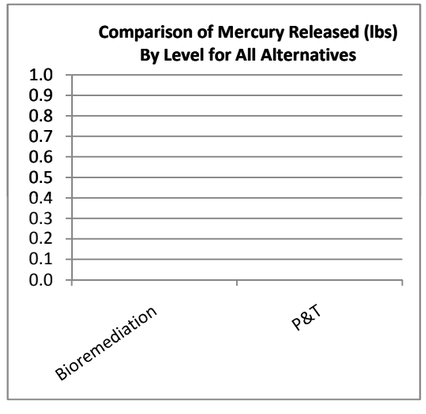


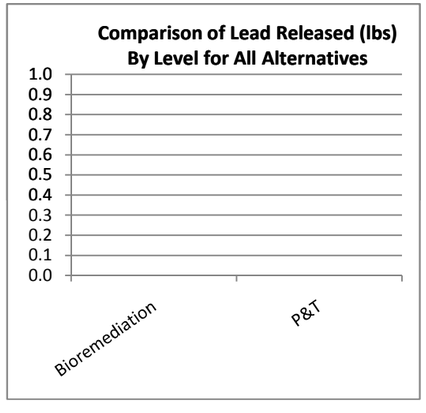


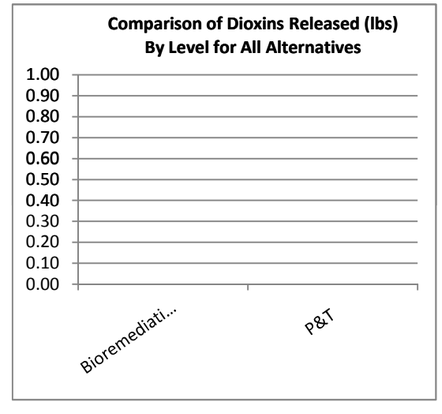












Alternative:	**Alternative 3**
Alternative Name:	**Bioremediation**
Path Name:	
Main File Name:	Green Remediation Tool Main.xlsx
Reference File Name:	Green Remediation Tool Reference.xlsx
Module File Name:	alternative 3 v1 inventory modules.xlsx

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

	Abbreviation	Units	Level 1 Site Invest.	Level 2 Excavation	Level 3 Construction	Level 4 O&M	Level 5 LTM	Level 6 Decomm.	Total
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														
	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														
	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 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	0.000000000086
Waste/Services	530,000.	30.	34.	0	0	78,000.	270.	180.	7.5	0.000012	0	13.	0.0000014	0.000011	0.000000000018
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	0.0000000064
Waste/Services	1,200,000.	56.	1,000.	0	0	180,000.	980.	530.	2,700.	0.054	0	11.	0.0066	0.051	0.000000081
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***	***0.000000087***
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	0.000000002
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	0.0000000022
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.***	***48.***	***550.***	***0***	***0***	***3,500,000.***	***25,000.***	***19,000.***	***620.***	***0.038***	***0***	***19.***	***0.02***	***0.071***	***0.0000000023***
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	0.000000043
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	***6,900,000.***	***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	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	0.0000000012
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	***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	***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														
	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	0.000000000086
Waste/Services	530,000.	30.	34.	0	0	78,000.	270.	180.	7.5	0.000012	1.3	13.	0.0000014	0.000011	0.000000000018
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	0.00000000012
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														
	Energy Used Mbtu	Electricity Used MWh	All Water Used gal x 1000	Potable Water Used gal x 1000	Groundwater Extracted gal x 1000	CO2e Emitted lbs	NO x Emitted lbs	SO x Emitted lbs	PM Emitted lbs	Solid Waste Generated tons	Haz. Waste Generated tons	Air Toxics Emitted lbs	Mercury Released lbs	Lead Released lbs	Dioxins Released 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														
	Energy Used Mbtu	Electricity Used MWh	All Water Used gal x 1000	Potable Water Used gal x 1000	Groundwater Extracted gal x 1000	CO2e Emitted lbs	NO x Emitted lbs	SO x Emitted lbs	PM Emitted lbs	Solid Waste Generated tons	Haz. Waste Generated tons	Air Toxics Emitted lbs	Mercury Released lbs	Lead Released lbs	Dioxins Released 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														
	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																									
			Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
		Quantity Used	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	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	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	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	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
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	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
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
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
Energy Subtotal				***1,500,000.***		***13.***		***0***		***0***		***0***		***230,000.***		***1,800.***		***56.***		***35.***		***0***		***0***		***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	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	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
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	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
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
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
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
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	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
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
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
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
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
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	27.2	0	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	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	0
Potable Water Used	gal x 1000	6850.917	0	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	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	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	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	6299.74	0	0	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
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	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	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	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	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																											
			Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
		Quantity Used	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				***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
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	63356.71	139	8,854,300.	0	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
Gasoline (off-site use)	gal	11482.8	124	1,422,000.	0	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	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0.29	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	0
Electricity production*	MWh	13.44	7800	100,000.	0.06	0.81	7.3	98.	0	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	0.00000000012
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***		***0.00000000012***
Materials																															
PVC	lb	9329.6	22	210,000.	0.0006	5.2	0.0069	64.	0	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	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	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	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	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	0.000006832	2E-16	0.000000000000844
Cement Grout	dry-ton	82.45	4100	333,500.	0.13	10.71	0.41	33.35	0	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	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	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	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	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
Bioinjection (Cheese Whey)	lbs	1200960	1.87	2,200,000.	0	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
Bioinjection (Vegetable Oil)	lbs	0	3.6	0	6E-05	0	2E-05	0	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
Diesel Produced	gal	73655.486	18.5	1,356,860.	0.0006	43.3178	0.0008	57.286	0	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	0.000000022310
Gasoline Produced	gal	11610	21	248,500.	0.0006	6.904	0.0008	9.15	0	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	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	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	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	0.000000000068109
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	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	0.000000000020032
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	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				***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	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	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	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	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	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	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***		***0***		***180.***		***0.0068***		***0.052***		***0.000000083***
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***

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	All Levels - Total On-Site and Off-Site Parameters - Alternative 3														
			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	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	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	0.00000000012
Energy Subtotal			***12,000,000.***	***15.***	***98.***	***0***	***0***	***1,900,000.***	***14,000.***	***530.***	***260.***	***0.012***	***0***	***26.***	***0.000035***	***0.00042***	***0.00000000012***
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	0.0000003617	0.000006832	0.000000000000844
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	0.000000006972
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	0.00000000602
Bentonite	ton	0.7	39.	0.0019	0.091	0	0	4.7	0.023	0.021	0.0028	0	0	0.00000029	0.000000000045	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	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	0.00000000223109
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	0.0000000003608
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	6850.917	63,100.6	3.00485	140.23	0	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	0	3,505.63	3.70587	30.0473	0.380618	0.00400639	0	0	0.0180293	0.000270422	0.00000000020032
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	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			***8,500,000.***	***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	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	0.000000083018
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***	***0.000000083***
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																											
			Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
		Quantity Used	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				***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	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	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	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	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	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	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	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	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	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	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	0.85	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	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	0	0	0	0	0	0	0	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	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	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	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	0.5	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	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	0
Potable Water Used	gal x 1000	0.5	0	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	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	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	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	1.34	0	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	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	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	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	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 1 (Site Invest.) Parameters Used, Extracted, Emitted, or Generated Off-Site - Alternative 3																									
			Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
		Quantity Used	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				***570,000.***		***30.***		***35.***		***0***		***0***		***86,000.***		***310.***		***190.***		***8.***		***0.00019***		***0***		***13.***		***0.000078***		***0.00093***		***0.0000000001***
Energy																															
Diesel (on-site)	gal	248.192	0	0	0	0	0	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	76.0376	139	11,000.	0	0	0	0	0	0	0	0	22.5	1,700.	0.17	13.	0.0054	0.41	0.0034	0.26	0	0	0	0	0.0003	0.023	0	0	0	0	0	0
Gasoline (off-site use)	gal	143.2	124	18,000.	0	0	0	0	0	0	0	0	19.6	2,800.	0.11	16.	0.0045	0.64	0.0005	0.077	0	0	0	0	0.0003	0.043	0	0	0	0	0	0
Natural gas (off-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	0.29	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
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
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				***29,000.***		***0***		***0***		***0***		***0***		***4,500.***		***29.***		***1.1***		***0.34***		***0***		***0***		***0.066***		***0***		***0***		***0***
Materials																															
PVC	lb	0	22	0	0.0006	0	0.0069	0	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	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	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	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	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	0.85	4100	3,500.	0.13	0.11	0.41	0.35	0	0	0	0	1800	1,500.	3.6	3.1	2.1	1.8	0.0063	0.0054	0	0	0	0	0.058	0.049	6E-05	0.000048	0.0001	0.00011	9E-11	0.000000000072
Concrete	tons	0	793	0	0.026	0	0.19	0	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	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	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	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	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	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	324.2296	18.5	6,000.	0.0006	0.19	0.0008	0.25	0	0	0	0	2.7	880.	0.0064	2.1	0.013	4.2	0.0003	0.11	4E-07	0.00012	0	0	0.0001	0.039	5E-08	0.000016	2E-06	0.00049	3E-14	0.000000000097
Gasoline Produced	gal	143.2	21	3,000.	0.0006	0.084	0.0008	0.11	0	0	0	0	4.4	630.	0.008	1.1	0.019	2.7	0.0005	0.074	4E-07	0.00006	0	0	0.0002	0.023	9E-08	0.000012	2E-06	0.00032	3E-14	0.000000000044
Natural Gas Produced	ccf	0	5.2	0	0.0003	0	8E-05	0	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	0.5	9.2	4.6	0.0004	0.00022	0.021	0.011	0	0	0	0	5	2.5	0.0097	0.0049	0.0059	0.003	0.016	0.008	8E-07	0.00000042	0	0	2E-05	0.0000075	8E-09	0.0000000041	7E-08	0.000000034	1E-13	0.000000000005
Potable Water Transported	gal x 1000	0.5	7.4	3.7	0.0006	0.00032	0.0047	0.0024	0	0	0	0	0.5168	0.26	0.0005	0.00027	0.0043	0.0022	6E-05	0.000028	6E-07	0.00000029	0	0	0	0	3E-06	0.0000013	4E-08	0.000000019	3E-14	0.000000000015
Potable Water Used	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	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				***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***		***0.000000000086***
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	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	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	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	0
Hazardous Waste Disposal	ton	1.34	176	240.	0.0085	0.011	0.165	0.22	0	0	0	0	27.5	37.	0.154	0.21	0.0825	0.11	0.44	0.59	9E-06	0.000012	0	0	0.0015	0.0021	1E-06	0.0000014	8E-06	0.000011	1E-11	0.000000000018
Laboratory Analysis	$	60220	8.8	530,000.	0.0005	30.	0.0006	34.	0	0	0	0	1.3	78,000.	0.0045	270.	0.003	180.	0.0001	6.9	0	0	0	0	0.0002	13.	0	0	0	0	0	0
Waste and Other Services Subtotal				***530,000.***		***30.***		***34.***		***0***		***0***		***78,000.***		***270.***		***180.***		***7.5***		***0.000012***		***0***		***13.***		***0.0000014***		***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	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***

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 1 (Site Invest.) Total On-Site and Off-Site Parameters - Alternative 3															
			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	0.0000000000097
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	0.00000042	0	0.0000075	0.0000000041	0.000000034	0.00000000000005
Potable Water Transported	gal x 1000	0.5	3.7	0.00032	0.0024	0	0	0.26	0.00027	0.0022	0.000028	0.00000029	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.***	***0.0000014***	***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																									
			Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
		Quantity Used	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	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	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	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	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	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	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	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	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	0
Energy Subtotal				***85,000.***		***0***		***0***		***0***		***0***		***14,000.***		***100.***		***3.3***		***2.1***		***0***		***0***		***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	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	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	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	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	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	0	0	0	0	0	0	0	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	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	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	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	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	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	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	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	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	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	6148.8	0	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	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	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	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	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																											
			Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
		Quantity Used	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				***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***		***0.000000087***
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
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
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	26422.54	139	3,700,000.	0	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	0.0003	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	0	19.6	6,000.	0.11	34.	0.0045	1.4	0.0005	0.17	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	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	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
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				***3,700,000.***		***0***		***0***		***0***		***0***		***600,000.***		***4,500.***		***140.***		***90.***		***0***		***0***		***8.***		***0***		***0***		***0***
Materials																															
PVC	lb	0	22	0	0.0006	0	0.0069	0	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	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	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	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	5625	55	310,000.	0.0027	15.	0.13	730.	0	0	0	0	6.7	38,000.	0.033	190.	0.03	170.	0.004	23.	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	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	349.2	793	280,000.	0.026	9.1	0.19	66.	0	0	0	0	335	120,000.	0.68	240.	0.41	140.	0.0044	1.5	3E-08	0.0000098	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	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	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	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	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	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	27037.124	18.5	500,000.	0.0006	16.	0.0008	21.	0	0	0	0	2.7	73,000.	0.0064	170.	0.013	350.	0.0003	9.2	4E-07	0.0097	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	0	4.4	1,400.	0.008	2.5	0.019	5.8	0.0005	0.16	4E-07	0.00013	0	0	0.0002	0.049	9E-08	0.000026	2E-06	0.00068	3E-14	0.000000000095
Natural Gas Produced	ccf	0	5.2	0	0.0003	0	8E-05	0	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	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	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				***1,100,000.***		***40.***		***820.***		***0***		***0***		***230,000.***		***600.***		***670.***		***34.***		***0.0098***		***0***		***7.1***		***0.0048***		***0.05***		***0.0000000064***
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	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	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	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
Hazardous Waste Disposal	ton	6148.8	176	1,100,000.	0.0085	52.	0.165	1,000.	0	0	0	0	27.5	170,000.	0.154	950.	0.0825	510.	0.44	2,700.	9E-06	0.054	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	0	1.3	9,200.	0.0045	32.	0.003	21.	0.0001	0.81	0	0	0	0	0.0002	1.5	0	0	0	0	0	0
Waste and Other Services Subtotal				***1,200,000.***		***56.***		***1,000.***		***0***		***0***		***180,000.***		***980.***		***530.***		***2,700.***		***0.054***		***0***		***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	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***

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 2 (Excavation) Total On-Site and Off-Site Parameters - Alternative 3															
			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	0.00000000000084
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	0.0000000000095
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***	***0.0000000064***
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	0	6,100.	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																									
			Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
		Quantity Used	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				***1,300,000.***		***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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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
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	0	0	0	0	0	0	0	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	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	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	27.2	0	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	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	0
Potable Water Used	gal x 1000	8.54	0	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	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	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	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	149.6	0	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	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	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	1	0	0	0	0	0	0
On-site process emissions (GHGs)	lbs CO2e	0	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) Parameters Used, Extracted, Emitted, or Generated Off-Site - Alternative 3																											
			Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
		Quantity Used	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				***1,300,000.***		***26.***		***150.***		***0***		***0***		***300,000.***		***880.***		***460.***		***92.***		***2.2***		***0.015***		***13.***		***0.0091***		***0.055***		***0.000064***
Energy																															
Diesel (on-site)	gal	9413.6	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
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
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	973.5792	139	140,000.	0	0	0	0	0	0	0	0	22.5	22,000.	0.17	170.	0.0054	5.3	0.0034	3.3	0	0	0	0	0.0003	0.29	0	0	0	0	0	0
Gasoline (off-site use)	gal	2507.6	124	310,000.	0	0	0	0	0	0	0	0	19.6	49,000.	0.11	280.	0.0045	11.	0.0005	1.4	0	0	0	0	0.0003	0.75	0	0	0	0	0	0
Natural gas (off-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	0.29	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
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
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				***450,000.***		***0***		***0***		***0***		***0***		***71,000.***		***450.***		***16.***		***4.7***		***0***		***0***		***1.***		***0***		***0***		***0***
Materials																															
PVC	lb	9329.6	22	210,000.	0.0006	5.2	0.0069	64.	0	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	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	8704	4.4	38,000.	0.0002	1.8	0.0006	5.6	0	0	0	0	1.1	9,600.	0.0014	12.	0.0017	15.	0.0006	4.9	0.0003	2.2	0	0	7E-05	0.58	1E-07	0.00087	3E-06	0.022	7E-12	0.000000057
Stainless Steel	lb	0	11.6	0	0.0006	0	0.0023	0	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	26.4	55	1,500.	0.0027	0.071	0.13	3.4	0	0	0	0	6.7	180.	0.033	0.87	0.03	0.79	0.004	0.11	0	0	0	0	4E-07	0.000011	6E-11	0.0000000017	1E-09	0.000000032	2E-16	0.000000000000004
Cement Grout	dry-ton	66.9	4100	270,000.	0.13	8.7	0.41	27.	0	0	0	0	1800	120,000.	3.6	240.	2.1	140.	0.0063	0.42	0	0	0	0	0.058	3.9	6E-05	0.0038	0.0001	0.0087	9E-11	0.0000000057
Concrete	tons	26.0304	793	21,000.	0.026	0.68	0.19	4.9	0	0	0	0	335	8,700.	0.68	18.	0.41	11.	0.0044	0.11	3E-08	0.00000073	0	0	0.011	0.29	1E-05	0.00026	2E-05	0.00062	2E-11	0.00000000042
Bentonite	ton	0.7	55	39.	0.0027	0.0019	0.13	0.091	0	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	0.000000000045	1E-09	0.00000000084	2E-16	0.000000000000011
Regenerated GAC	lbs	0	9.6	0	0.0004	0	0.0064	0	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	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	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	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	10387.179	18.5	190,000.	0.0006	6.1	0.0008	8.	0	0	0	0	2.7	28,000.	0.0064	66.	0.013	140.	0.0003	3.5	4E-07	0.0037	0	0	0.0001	1.2	5E-08	0.0005	2E-06	0.016	3E-14	0.00000000031
Gasoline Produced	gal	2507.6	21	53,000.	0.0006	1.5	0.0008	2.	0	0	0	0	4.4	11,000.	0.008	20.	0.019	48.	0.0005	1.3	4E-07	0.0011	0	0	0.0002	0.4	9E-08	0.00021	2E-06	0.0055	3E-14	0.00000000078
Natural Gas Produced	ccf	0	5.2	0	0.0003	0	8E-05	0	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	0
Potable Water Produced	gal x 1000	8.54	9.2	79.	0.0004	0.0038	0.021	0.18	0	0	0	0	5	43.	0.0097	0.083	0.0059	0.05	0.016	0.14	8E-07	0.0000071	0	0	2E-05	0.00013	8E-09	0.00000007	7E-08	0.00000057	1E-13	0.00000000000085
Potable Water Transported	gal x 1000	8.54	7.4	63.	0.0006	0.0055	0.0047	0.04	0	0	0	0	0.5168	4.4	0.0005	0.0046	0.0043	0.037	6E-05	0.00048	6E-07	0.000005	0	0	0	0	3E-06	0.000023	4E-08	0.00000033	3E-14	0.00000000000025
Potable Water Used	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	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				***780,000.***		***24.***		***120.***		***0***		***0***		***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	3.7	0	0.0002	0	0.0008	0	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	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	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	0
Hazardous Waste Disposal	ton	149.6	176	26,000.	0.0085	1.3	0.165	25.	0	0	0	0	27.5	4,100.	0.154	23.	0.0825	12.	0.44	66.	9E-06	0.0013	0	0	0.0015	0.23	1E-06	0.00016	8E-06	0.0013	1E-11	0.000000002
Laboratory Analysis	$	1400	8.8	12,000.	0.0005	0.7	0.0006	0.78	0	0	0	0	1.3	1,800.	0.0045	6.3	0.003	4.2	0.0001	0.16	0	0	0	0	0.0002	0.29	0	0	0	0	0	0
Waste and Other Services Subtotal				***38,000.***		***2.***		***26.***		***0***		***0***		***5,900.***		***29.***		***16.***		***66.***		***0.0013***		***0***		***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	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***

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 3 (Construction) Total On-Site and Off-Site Parameters - Alternative 3															
			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	0.000000000000004
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	0.00000000042
Bentonite	ton	0.7	39.	0.0019	0.091	0	0	4.7	0.023	0.021	0.0028	0	0	0.00000029	0.000000000045	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	0.00000000031
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	0.000000000078
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	0.000000000000085
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	0.000000000000025
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																											
			Energy		**Electricity**		**All Water**		**Potable Water**		**Groundwater**		**CO2e**		**NO x**		**SO x**		**PM**		**Solid Waste**		**Haz. Waste**		**Air Toxics**		**Mercury**		**Lead**		**Dioxins**	
		Quantity Used	**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				***46,000.***		***13.***		***6,800.***		***6,800.***		***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	0.0003	0	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	0.0003	0	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	0.29	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	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
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	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
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
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
Energy Subtotal				***46,000.***		***13.***		***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	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
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
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
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
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
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	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	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
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
Potable Water Used	gal x 1000	6840	0	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
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	0
Materials Subtotal				***0***		***0***		***6,800.***		***6,800.***		***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	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	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	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	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	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	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) Parameters Used, Extracted, Emitted, or Generated Off-Site - Alternative 3																									
			Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
		Quantity Used	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				***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***
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	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
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	35860.666	139	5,000,000.	0	0	0	0	0	0	0	0	22.5	810,000.	0.17	6,100.	0.0054	190.	0.0034	120.	0	0	0	0	0.0003	11.	0	0	0	0	0	0	0
Gasoline (off-site use)	gal	7392	124	920,000.	0	0	0	0	0	0	0	0	19.6	140,000.	0.11	810.	0.0045	33.	0.0005	4.	0	0	0	0	0.0003	2.2	0	0	0	0	0	0	0
Natural gas (off-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	0.29	0	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	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	0	0
Electricity production*	MWh	13.44	7800	100,000.	0.06	0.81	7.3	98.	0	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	0.00000000012
Energy Subtotal				***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																																
PVC	lb	0	22	0	0.0006	0	0.0069	0	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	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	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	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	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	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	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	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	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	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	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	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	35860.666	18.5	660,000.	0.0006	21.	0.0008	28.	0	0	0	0	2.7	97,000.	0.0064	230.	0.013	470.	0.0003	12.	4E-07	0.013	0	0	0.0001	4.3	5E-08	0.0017	2E-06	0.054	3E-14	0.00000000011
Gasoline Produced	gal	7392	21	160,000.	0.0006	4.4	0.0008	5.8	0	0	0	0	4.4	33,000.	0.008	59.	0.019	140.	0.0005	3.8	4E-07	0.0031	0	0	0.0002	1.2	9E-08	0.00063	2E-06	0.016	3E-14	0.00000000023
Natural Gas Produced	ccf	0	5.2	0	0.0003	0	8E-05	0	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	0
Potable Water Produced	gal x 1000	6840	9.2	63,000.	0.0004	3.	0.021	140.	0	0	0	0	5	34,000.	0.0097	66.	0.0059	40.	0.016	110.	8E-07	0.0057	0	0	2E-05	0.1	8E-09	0.000056	7E-08	0.00046	1E-13	0.00000000068
Potable Water Transported	gal x 1000	6840	7.4	51,000.	0.0006	4.4	0.0047	32.	0	0	0	0	0.5168	3,500.	0.0005	3.7	0.0043	30.	6E-05	0.38	6E-07	0.004	0	0	0	0	3E-06	0.018	4E-08	0.00027	3E-14	0.0000000002
Potable Water Used	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
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				***6,500,000.***		***46.***		***450.***		***0***		***0***		***2,500,000.***		***18,000.***		***19,000.***		***490.***		***0.026***		***0***		***5.6***		***0.02***		***0.071***		***0.0000000022***
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	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	0
Solid Waste Disposal	ton	0	160	0	0.0077	0	0.15	0	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
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	0
Hazardous Waste Disposal	ton	0	176	0	0.0085	0	0.165	0	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
Laboratory Analysis	$	0	8.8	0	0.0005	0	0.0006	0	0	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	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	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	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 4 (O&M) Total On-Site and Off-Site Parameters - Alternative 3															
			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			***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	0.00000000012
Energy Subtotal			***6,100,000.***	***15.***	***98.***	***0***	***0***	***960,000.***	***6,900.***	***310.***	***130.***	***0.012***	***0***	***13.***	***0.000035***	***0.00042***	***0.00000000012***
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	0.00000000023
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	0.00000000068
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	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																									
			Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
		Quantity Used	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	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	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	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	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	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	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	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	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	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	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	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	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	0	0	0	0	0	0	0	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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 5 (LTM) Parameters Used, Extracted, Emitted, or Generated Off-Site - Alternative 3																									
			Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
		Quantity Used	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				***6,900,000.***		***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	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	16.5375	139	2,300.	0	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	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	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	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
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	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	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	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	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	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	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	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	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	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	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	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	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	16.5375	18.5	310.	0.0006	0.0098	0.0008	0.013	0	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	0.0000000000005
Gasoline Produced	gal	972	21	20,000.	0.0006	0.57	0.0008	0.77	0	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	0.00000000003
Natural Gas Produced	ccf	0	5.2	0	0.0003	0	8E-05	0	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	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	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***		***0.000000043***
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	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	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	0
Hazardous Waste Disposal	ton	0	176	0	0.0085	0	0.165	0	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
Laboratory Analysis	$	770400	8.8	6,800,000.	0.0005	390.	0.0006	430.	0	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
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***

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 5 (LTM) Total On-Site and Off-Site Parameters - Alternative 3															
			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	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	16.5375	2,300.	0	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	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	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			***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	0
HDPE	lb	0	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	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	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	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	16.5375	310.	0.0098	0.013	0	0	45.	0.11	0.21	0.0056	0.000006	0	0.002	0.00000079	0.000025	0.0000000000005
Gasoline Produced	gal	972	20,000.	0.57	0.77	0	0	4,300.	7.8	18.	0.51	0.00041	0	0.16	0.000083	0.0021	0.00000000003
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			***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	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	$	770400	6,800,000.	390.	430.	0	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***	***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
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 6 (Decomm.) Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 3																									
			Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
		Quantity Used	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	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	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	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	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	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	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	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	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	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	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	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	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	0	0	0	0	0	0	0	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	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	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	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	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	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	0
Potable Water Used	gal x 1000	1.877	0	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	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	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	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	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	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***
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	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	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 6 (Decomm.) Parameters Used, Extracted, Emitted, or Generated Off-Site - Alternative 3																									
			Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
		Quantity Used	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				***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***
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	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
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	7.35	139	1,000.	0	0	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
Gasoline (off-site use)	gal	288	124	36,000.	0	0	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	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	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
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				***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	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	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	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	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	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	0	0	1800	26,000.	3.6	53.	2.1	31.	0.0063	0.093	0	0	0	0	0.058	0.85	6E-05	0.00084	0.0001	0.0019	9E-11	0.0000000012
Concrete	tons	0	793	0	0.026	0	0.19	0	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	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	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	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	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	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	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	0.0000000000089
Gasoline Produced	gal	288	21	6,000.	0.0006	0.17	0.0008	0.23	0	0	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	0.0000000000089
Natural Gas Produced	ccf	0	5.2	0	0.0003	0	8E-05	0	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	1.877	9.2	17.	0.0004	0.00083	0.021	0.039	0	0	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	0.0000000000019
Potable Water Transported	gal x 1000	1.877	7.4	14.	0.0006	0.0012	0.0047	0.0089	0	0	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	0.0000000000055
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	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				***67,000.***		***2.1***		***6.3***		***0***		***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	3.7	0	0.0002	0	0.0008	0	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	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	0
Hazardous Waste Disposal	ton	0	176	0	0.0085	0	0.165	0	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
Laboratory Analysis	$	0	8.8	0	0.0005	0	0.0006	0	0	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***
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***

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.) Total On-Site and Off-Site Parameters - Alternative 3															
			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	0.00000000000089
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	0.00000000000089
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	0.000005	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	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

Alternative:	**Alternative 4**
Alternative Name:	**P&T**
Path Name:	
Main File Name:	Green Remediation Tool Main.xlsx
Reference File Name:	Green Remediation Tool Reference.xlsx
Module File Name:	alternative 4 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 4

	Abbreviation	Units	Level 1 Site Invest.	Level 2 Excavation	Level 3 Construction	Level 4 O&M	Level 5 LTM	Level 6 Decomm.	Total
Energy									
Diesel (on-site)	Diesel-On	gal	248.192	614.5843	3754.24	0	0	22.4	4639.416
Gasoline (on-site use)	Gas-On	gal	0	0	0	0	445.2	0	445.2
Natural gas (on-site use)	NG-On	ccf							0
Diesel (off-site use)	Diesel-Off	gal	76.0376	26422.54	990.355	25080	0	2.05	52570.98
Gasoline (off-site use)	Gas-Off	gal	143.2	307.2	1352.4	20512	1478.4	288	24081.2
Natural gas (off-site use)	NG-Off	ccf							0
On-site electricity use	Elec. Use	MWh	0	0	0	7619.44	0	0	7619.44
Electricity transmission*	Elec. Trans	MWh	0	0	0	7619.44	0	0	7619.44
Electricity production*	Elec. Prod	MWh	0	0	0	7619.44	0	0	7619.44
Materials									
PVC	PVC	lb	0	0	3264	0	0	0	3264
HDPE	HDPE	lb	0	0	2000	0	0	0	2000
Steel	Steel	lb	0	0	56910	0	0	0	56910
Stainless Steel	S. Steel	lb	0	0	2100	0	0	0	2100
Gravel/sand	Sand	ton	0	5625	11.7	0	0	0	5636.7
Cement Grout	Cement	dry-ton	0.85	0	21.5	0	0	4.1	26.45
Concrete	Concrete	tons	0	349.2	0	0	0	0	349.2
Bentonite	Bent.	ton	0	0	0.3	0	0	0	0.3
Regenerated GAC	GAC-R	lbs	0	0	0	8360000	0	0	8360000
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	0	0	0	0
Diesel Produced	Diesel-Pro	gal	324.2296	27037.12	4744.595	25080	0	24.45	57210.4
Gasoline Produced	Gas-Pro	gal	143.2	307.2	1352.4	20512	1923.6	288	24526.4
Natural Gas Produced	NG-Pro	ccf			0				0
Groundwater Extracted On-site	GW Ext	gal x 1000	0	0	12	2733120	0	0	2733132
Potable Water Produced	PW Pro.	gal x 1000	0.5	0	2.745	0	0	0.523	3.768
Potable Water Transported	PW Trans.	gal x 1000	0.5	0	2.745	0	0	0.523	3.768
Potable Water Used	PW Used	gal x 1000	0.5	0	2.745	0	0	0.523	3.768
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	2733120	0	0	2733120
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	52.4	0	0	0	6202.54
Hazardous Waste Disposal	HW-Disp	ton	1.34	6148.8	52.4	0	0	0	6202.54
Laboratory Analysis	Lab	$	60220	7100	1400	172800	861840	0	1103360
Other									
On-site process emissions (HAPs)	Proc. HAPs	lbs	0	0	0	17840	0	0	17840
On-site process emissions (GHGs)	Proc. GHGs	lbs CO2e	0	0	0	192000	0	0	192000

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 4														
	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	520,000.	0	0	0	0	84,000.	640.	20.	13.	0	0	1.1	0	0	0
Materials	0	0	15.	2.7	12.	0	0	0	0	0	0	0	0	0	0
Waste/Services	0	0	0	0	0	0	0	0	0	0	52.	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Construction Total	***520,000.***	***0***	***15.***	***2.7***	***12.***	***84,000.***	***640.***	***20.***	***13.***	***0***	***52.***	***1.1***	***0***	***0***	***0***
Level 4 - O&M															
Energy	26,000,000.	7,600.	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials	0	0	2,700,000.	0	2,700,000.	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	190,000.	0	0	0	0	0	18,000.	0	0	0
O&M Total	***26,000,000.***	***7,600.***	***2,700,000.***	***0***	***2,700,000.***	***190,000.***	***0***	***0***	***0***	***0***	***0***	***18,000.***	***0***	***0***	***0***
Level 5 - LTM															
Energy	55,000.	0	0	0	0	8,700.	49.	2.	0.24	0	0	0.13	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	***55,000.***	***0***	***0***	***0***	***0***	***8,700.***	***49.***	***2.***	***0.24***	***0***	***0***	***0.13***	***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	0.52	0.52	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***	***0.52***	***0.52***	***0***	***500.***	***3.8***	***0.12***	***0.076***	***0***	***0***	***0.0067***	***0***	***0***	***0***
Total	***27,000,000.***	***7,600.***	***2,700,000.***	***3.7***	***2,700,000.***	***300,000.***	***830.***	***27.***	***16.***	***0***	***6,200.***	***18,000.***	***0***	***0***	***0***

	Totals For Parameters Used, Extracted, Emitted, or Generated Off-Site - Alternative 4														
	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	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	0.000000000086
Waste/Services	530,000.	30.	34.	0	0	78,000.	270.	180.	7.5	0.000012	0	13.	0.0000014	0.000011	0.000000000018
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	0.0000000064
Waste/Services	1,200,000.	56.	1,000.	0	0	180,000.	980.	530.	2,700.	0.054	0	11.	0.0066	0.051	0.000000081
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***	***0.000000087***
Level 3 - Construction															
Energy	310,000.	0	0	0	0	49,000.	320.	11.	4.1	0	0	0.71	0	0	0
Materials	610,000.	22.	84.	0	0	140,000.	240.	290.	49.	15.	0.0072	7.6	0.0084	0.15	0.000025
Waste/Services	21,000.	1.2	9.4	0	0	3,200.	14.	8.5	23.	0.00046	0	0.37	0.000056	0.00044	0.00000000069
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Construction Total	***940,000.***	***23.***	***93.***	***0***	***0***	***190,000.***	***570.***	***310.***	***76.***	***15.***	***0.0072***	***8.7***	***0.0085***	***0.15***	***0.000025***
Level 4 - O&M															
Energy	68,000,000.	1,400.	56,000.	0	0	7,100,000.	13,000.	51,000.	760.	6.9	0	140.	0.02	0.24	0.000000066
Materials	81,000,000.	3,700.	54,000.	0	0	17,000,000.	210,000.	130,000.	20.	0.018	0	6.3	0.0029	0.083	0.0000000014
Waste/Services	12,000,000.	580.	2,400.	0	0	8,400,000.	18,000.	8,400.	240.	1.3	0	370.	0.22	1.7	0.0000027
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O&M Total	***160,000,000.***	***5,700.***	***110,000.***	***0***	***0***	***33,000,000.***	***240,000.***	***190,000.***	***1,000.***	***8.2***	***0***	***520.***	***0.24***	***2.***	***0.0000028***
Level 5 - LTM															
Energy	180,000.	0	0	0	0	29,000.	160.	6.7	0.8	0	0	0.44	0	0	0
Materials	40,000.	1.1	1.5	0	0	8,500.	15.	37.	1.	0.00081	0	0.31	0.00016	0.0042	0.00000000006
Waste/Services	7,600,000.	430.	480.	0	0	1,100,000.	3,900.	2,600.	98.	0	0	180.	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LTM Total	***7,800,000.***	***430.***	***480.***	***0***	***0***	***1,100,000.***	***4,100.***	***2,600.***	***100.***	***0.00081***	***0***	***180.***	***0.00016***	***0.0042***	***0.00000000006***
Level 6 - Decomm.															
Energy	36,000.	0	0	0	0	5,600.	32.	1.3	0.17	0	0	0.087	0	0	0
Materials	23,000.	0.71	2.	0	0	8,800.	17.	14.	0.19	0.00013	0	0.29	0.00026	0.0012	0.00000000036
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	***59,000.***	***0.71***	***2.***	***0***	***0***	***14,000.***	***49.***	***15.***	***0.36***	***0.00013***	***0***	***0.38***	***0.00026***	***0.0012***	***0.00000000036***
Total	***180,000,000.***	***6,300.***	***110,000.***	***0***	***0***	***35,000,000.***	***250,000.***	***190,000.***	***4,000.***	***23.***	***0.0072***	***750.***	***0.26***	***2.3***	***0.000028***

	Totals for On-Site and Off-Site Parameters - Alternative 4														
	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	0.000000000086
Waste/Services	530,000.	30.	34.	0	0	78,000.	270.	180.	7.5	0.000012	1.3	13.	0.0000014	0.000011	0.000000000018
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	830,000.	0	0	0	0	130,000.	960.	31.	17.	0	0	1.8	0	0	0
Materials	610,000.	22.	98.	2.7	12.	140,000.	240.	290.	49.	15.	0.0072	7.6	0.0084	0.15	0.000025
Waste/Services	21,000.	1.2	9.4	0	0	3,200.	14.	8.5	23.	0.00046	52.	0.37	0.000056	0.00044	0.00000000069
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Construction Total	***1,500,000.***	***23.***	***110.***	***2.7***	***12.***	***270,000.***	***1,200.***	***330.***	***89.***	***15.***	***52.***	***9.8***	***0.0085***	***0.15***	***0.000025***
Level 4 - O&M															
Energy	94,000,000.	9,000.	56,000.	0	0	7,100,000.	13,000.	51,000.	760.	6.9	0	140.	0.02	0.24	0.000000066
Materials	81,000,000.	3,700.	2,800,000.	0	2,700,000.	17,000,000.	210,000.	130,000.	20.	0.018	0	6.3	0.0029	0.083	0.0000000014
Waste/Services	12,000,000.	580.	2,400.	0	0	8,400,000.	18,000.	8,400.	240.	1.3	0	370.	0.22	1.7	0.0000027
Other	0	0	0	0	0	190,000.	0	0	0	0	0	18,000.	0	0	0
O&M Total	***190,000,000.***	***13,000.***	***2,900,000.***	***0***	***2,700,000.***	***33,000,000.***	***240,000.***	***190,000.***	***1,000.***	***8.2***	***0***	***19,000.***	***0.24***	***2.***	***0.0000028***
Level 5 - LTM															
Energy	240,000.	0	0	0	0	38,000.	210.	8.7	1.	0	0	0.57	0	0	0
Materials	40,000.	1.1	1.5	0	0	8,500.	15.	37.	1.	0.00081	0	0.31	0.00016	0.0042	0.00000000006
Waste/Services	7,600,000.	430.	480.	0	0	1,100,000.	3,900.	2,600.	98.	0	0	180.	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LTM Total	***7,900,000.***	***430.***	***480.***	***0***	***0***	***1,100,000.***	***4,100.***	***2,600.***	***100.***	***0.00081***	***0***	***180.***	***0.00016***	***0.0042***	***0.00000000006***
Level 6 - Decomm.															
Energy	39,000.	0	0	0	0	6,100.	36.	1.4	0.24	0	0	0.093	0	0	0
Materials	23,000.	0.71	2.5	0.52	0	8,800.	17.	14.	0.19	0.00013	0	0.29	0.00026	0.0012	0.00000000036
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	***62,000.***	***0.71***	***2.5***	***0.52***	***0***	***15,000.***	***53.***	***15.***	***0.43***	***0.00013***	***0***	***0.38***	***0.00026***	***0.0012***	***0.00000000036***
Total	***210,000,000.***	***14,000.***	***2,900,000.***	***3.7***	***2,700,000.***	***35,000,000.***	***250,000.***	***190,000.***	***4,000.***	***23.***	***6,200.***	***19,000.***	***0.26***	***2.3***	***0.000028***

	Percentages For Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 4														
	Energy Used Mbtu	Electricity Used MWh	All Water Used gal x 1000	Potable Water Used gal x 1000	Groundwater Extracted gal x 1000	CO2e Emitted lbs	NO x Emitted lbs	SO x Emitted lbs	PM Emitted lbs	Solid Waste Generated tons	Haz. Waste Generated tons	Air Toxics Emitted lbs	Mercury Released lbs	Lead Released lbs	Dioxins Released lbs
Level 1 - Site Invest.															
Energy	<1%	0%	0%	0%	0%	2%	5%	5%	5%	0%	0%	<1%	0%	0%	0%
Materials	0%	0%	<1%	13%	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	***<1%***	***0%***	***<1%***	***13%***	***0%***	***2%***	***5%***	***5%***	***5%***	***0%***	***<1%***	***<1%***	***0%***	***0%***	***0%***
Level 2 - Excavation															
Energy	<1%	0%	0%	0%	0%	5%	12%	12%	13%	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%	99%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Excavation Total	***<1%***	***0%***	***0%***	***0%***	***0%***	***5%***	***12%***	***12%***	***13%***	***0%***	***99%***	***<1%***	***0%***	***0%***	***0%***
Level 3 - Construction															
Energy	2%	0%	0%	0%	0%	28%	77%	75%	80%	0%	0%	<1%	0%	0%	0%
Materials	0%	0%	<1%	73%	<1%	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%
Construction Total	***2%***	***0%***	***<1%***	***73%***	***<1%***	***28%***	***77%***	***75%***	***80%***	***0%***	***<1%***	***<1%***	***0%***	***0%***	***0%***
Level 4 - O&M															
Energy	97%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Materials	0%	0%	100%	0%	100%	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%	63%	0%	0%	0%	0%	0%	100%	0%	0%	0%
On-Site Total	***97%***	***100%***	***100%***	***0%***	***100%***	***63%***	***0%***	***0%***	***0%***	***0%***	***0%***	***100%***	***0%***	***0%***	***0%***
Level 5 - LTM															
Energy	<1%	0%	0%	0%	0%	3%	6%	7%	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%***	***3%***	***6%***	***7%***	***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%	14%	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%***	***14%***	***0%***	***<1%***	***<1%***	***<1%***	***<1%***	***0%***	***0%***	***<1%***	***0%***	***0%***	***0%***

	Percentages For Parameters Used, Extracted, Emitted, or Generated Off-Site - Alternative 4														
	Energy Used Mbtu	Electricity Used MWh	All Water Used gal x 1000	Potable Water Used gal x 1000	Groundwater Extracted gal x 1000	CO2e Emitted lbs	NO x Emitted lbs	SO x Emitted lbs	PM Emitted lbs	Solid Waste Generated tons	Haz. Waste Generated tons	Air Toxics Emitted lbs	Mercury Released lbs	Lead Released lbs	Dioxins Released 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	<1%	<1%	<1%	0%	0%	<1%	<1%	<1%	<1%	<1%	0%	2%	<1%	<1%	<1%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Site Invest. Total	***<1%***	***<1%***	***<1%***	***0%***	***0%***	***<1%***	***<1%***	***<1%***	***<1%***	***<1%***	***0%***	***2%***	***<1%***	***<1%***	***<1%***
Level 2 - Excavation															
Energy	2%	0%	0%	0%	0%	2%	2%	<1%	2%	0%	0%	1%	0%	0%	0%
Materials	<1%	<1%	<1%	0%	0%	<1%	<1%	<1%	<1%	<1%	0%	<1%	2%	2%	<1%
Waste/Services	<1%	<1%	<1%	0%	0%	<1%	<1%	<1%	68%	<1%	0%	1%	3%	2%	<1%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Excavation Total	***2%***	***0%***	***0%***	***0%***	***0%***	***2%***	***2%***	***<1%***	***70%***	***<1%***	***0%***	***3%***	***4%***	***4%***	***<1%***
Level 3 - Construction															
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%	64%	100%	1%	3%	7%	90%
Waste/Services	<1%	<1%	<1%	0%	0%	<1%	<1%	<1%	<1%	<1%	0%	<1%	<1%	<1%	<1%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Construction Total	***<1%***	***<1%***	***<1%***	***0%***	***0%***	***<1%***	***<1%***	***<1%***	***1%***	***64%***	***100%***	***1%***	***3%***	***7%***	***90%***
Level 4 - O&M															
Energy	39%	22%	50%	0%	0%	20%	5%	26%	19%	30%	0%	19%	8%	11%	<1%
Materials	46%	59%	48%	0%	0%	48%	84%	67%	<1%	<1%	0%	<1%	1%	4%	<1%
Waste/Services	7%	9%	2%	0%	0%	24%	7%	4%	6%	6%	0%	49%	85%	75%	10%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
On-Site Total	***92%***	***90%***	***100%***	***0%***	***0%***	***92%***	***96%***	***97%***	***25%***	***35%***	***0%***	***68%***	***93%***	***90%***	***10%***
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%	<1%	0%	<1%	<1%	<1%	<1%
Waste/Services	4%	7%	<1%	0%	0%	3%	2%	1%	2%	0%	0%	24%	0%	0%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
On-Site Total	***4%***	***7%***	***<1%***	***0%***	***0%***	***3%***	***2%***	***1%***	***2%***	***<1%***	***0%***	***24%***	***<1%***	***<1%***	***<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%	<1%	<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%***	***<1%***	***<1%***	***<1%***

	Percentages for Total On-Site and Off-Site Parameters - Alternative 4														
	Energy Used Mbtu	Electricity Used MWh	All Water Used gal x 1000	Potable Water Used gal x 1000	Groundwater Extracted gal x 1000	CO2e Emitted lbs	NO x Emitted lbs	SO x Emitted lbs	PM Emitted lbs	Solid Waste Generated tons	Haz. Waste Generated tons	Air Toxics Emitted lbs	Mercury Released lbs	Lead Released lbs	Dioxins Released 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%	13%	0%	<1%	<1%	<1%	<1%	<1%	0%	<1%	<1%	<1%	<1%
Waste/Services	<1%	<1%	<1%	0%	0%	<1%	<1%	<1%	<1%	<1%	<1%	<1%	<1%	<1%	<1%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Site Invest. Total	***<1%***	***<1%***	***<1%***	***13%***	***0%***	***<1%***	***<1%***	***<1%***	***<1%***	***<1%***	***<1%***	***<1%***	***<1%***	***<1%***	***<1%***
Level 2 - Excavation															
Energy	2%	0%	0%	0%	0%	2%	2%	<1%	2%	0%	0%	<1%	0%	0%	0%
Materials	<1%	<1%	<1%	0%	0%	<1%	<1%	<1%	<1%	<1%	0%	<1%	2%	2%	<1%
Waste/Services	<1%	<1%	<1%	0%	0%	<1%	<1%	<1%	68%	<1%	99%	<1%	3%	2%	<1%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Excavation Total	***2%***	***<1%***	***<1%***	***0%***	***0%***	***2%***	***2%***	***<1%***	***70%***	***<1%***	***99%***	***<1%***	***4%***	***4%***	***<1%***
Level 3 - Construction															
Energy	<1%	0%	0%	0%	0%	<1%	<1%	<1%	<1%	0%	0%	<1%	0%	0%	0%
Materials	<1%	<1%	<1%	73%	<1%	<1%	<1%	<1%	1%	64%	<1%	<1%	3%	7%	90%
Waste/Services	<1%	<1%	<1%	0%	0%	<1%	<1%	<1%	<1%	<1%	<1%	<1%	<1%	<1%	<1%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Construction Total	***<1%***	***<1%***	***<1%***	***73%***	***<1%***	***<1%***	***<1%***	***<1%***	***1%***	***64%***	***<1%***	***<1%***	***3%***	***7%***	***90%***
Level 4 - O&M															
Energy	46%	66%	2%	0%	0%	20%	5%	26%	19%	30%	0%	<1%	8%	11%	<1%
Materials	39%	27%	96%	0%	100%	48%	83%	67%	<1%	<1%	0%	<1%	1%	4%	<1%
Waste/Services	6%	4%	<1%	0%	0%	24%	7%	4%	6%	6%	0%	2%	85%	75%	10%
Other	0%	0%	0%	0%	0%	<1%	0%	0%	0%	0%	0%	94%	0%	0%	0%
On-Site Total	***91%***	***98%***	***98%***	***0%***	***100%***	***92%***	***96%***	***97%***	***25%***	***35%***	***0%***	***96%***	***93%***	***90%***	***10%***
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%	<1%	0%	<1%	<1%	<1%	<1%
Waste/Services	4%	3%	<1%	0%	0%	3%	2%	1%	2%	0%	0%	<1%	0%	0%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
On-Site Total	***4%***	***3%***	***<1%***	***0%***	***0%***	***3%***	***2%***	***1%***	***2%***	***<1%***	***0%***	***<1%***	***<1%***	***<1%***	***<1%***
Level 6 - Decomm.															
Energy	<1%	0%	0%	0%	0%	<1%	<1%	<1%	<1%	0%	0%	<1%	0%	0%	0%
Materials	<1%	<1%	<1%	14%	0%	<1%	<1%	<1%	<1%	<1%	0%	<1%	<1%	<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%***	***14%***	***0%***	***<1%***	***<1%***	***<1%***	***<1%***	***<1%***	***0%***	***<1%***	***<1%***	***<1%***	***<1%***

		Quantity Used	All Levels - Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 4																											
			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				***27,000,000.***		***7,600.***		***2,700,000.***		***3.7***		***2,700,000.***		***300,000.***		***830.***		***27.***		***16.***		***0***		***6,200.***		***18,000.***		***0***		***0***		***0***
Energy																															
Diesel (on-site)	gal	4639.4163	139	642,100.	0	0	0	0	0	0	0	0	22.5	104,100.	0.17	785.8	0.0054	24.72	0.0034	16.016	0	0	0	0	0.0003	1.3607	0	0	0	0	0	0
Gasoline (on-site use)	gal	445.2	124	55,000.	0	0	0	0	0	0	0	0	19.6	8,700.	0.11	49.	0.0045	2.	0.0005	0.24	0	0	0	0	0.0003	0.13	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	0.29	0	0	0	0	0	0
Diesel (off-site use)	gal	52570.983	0	0	0	0	0	0	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	24081.2	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 (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	7619.44	3413	26,000,000.	1	7,600.	0	0	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	7619.44	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
Electricity production*	MWh	7619.44	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
Energy Subtotal				***27,000,000.***		***7,600.***		***0***		***0***		***0***		***110,000.***		***830.***		***27.***		***16.***		***0***		***0***		***1.5***		***0***		***0***		***0***
Materials																															
PVC	lb	3264	0	0	0	0	0	0	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	2000	0	0	0	0	0	0	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	56910	0	0	0	0	0	0	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	2100	0	0	0	0	0	0	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	5636.7	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
Cement Grout	dry-ton	26.45	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
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	0
Bentonite	ton	0.3	0	0	0	0	0	0	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	8360000	0	0	0	0	0	0	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	0	0	0	0	0	0	0	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	57210.399	0	0	0	0	0	0	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	24526.4	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
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	2733132	0	0	0	0	1	2,700,012.	0	0	1	2,700,012.	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	3.768	0	0	0	0	0	0	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	3.768	0	0	0	0	0	0	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	3.768	0	0	0	0	1	3.72	1	3.72	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	0
Materials Subtotal				***0***		***0***		***2,700,000.***		***3.7***		***2,700,000.***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***
Waste and Other Services																															
Off-site waste water treatment	gal x 1000	2733120	0	0	0	0	0	0	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	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	6202.54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6,153.3	0	0	0	0	0	0	0	0
Hazardous Waste Disposal	ton	6202.54	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	0
Laboratory Analysis	$	1103360	0	0	0	0	0	0	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***		***6,200.***		***0***		***0***		***0***		***0***
Other																															
On-site process emissions (HAPs)	lbs	17840	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	18,000.	0	0	0	0	0	0
On-site process emissions (GHGs)	lbs CO2e	192000	0	0	0	0	0	0	0	0	0	0	1	190,000.	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***		***190,000.***		***0***		***0***		***0***		***0***		***0***		***18,000.***		***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 4																									
			Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
		Quantity Used	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				***180,000,000.***		***6,300.***		***110,000.***		***0***		***0***		***36,000,000.***		***250,000.***		***190,000.***		***4,100.***		***23.***		***0.0072***		***740.***		***0.27***		***2.3***		***0.000028***
Energy																															
Diesel (on-site)	gal	4639.4163	0	0	0	0	0	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	445.2	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	52570.983	139	7,351,280.	0	0	0	0	0	0	0	0	22.5	1,173,746.	0.17	8,983.35	0.0054	285.721	0.0034	178.667	0	0	0	0	0.0003	15.72362	0	0	0	0	0	0
Gasoline (off-site use)	gal	24081.2	124	2,942,000.	0	0	0	0	0	0	0	0	19.6	470,400.	0.11	2,692.	0.0045	108.14	0.0005	12.937	0	0	0	0	0.0003	7.271	0	0	0	0	0	0
Natural gas (off-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	0.29	0	0	0	0	0	0
On-site electricity use	MWh	7619.44	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	7619.44	410	3,100,000.	0.12	910.	0	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	7619.44	7800	59,000,000.	0.06	460.	7.3	56,000.	0	0	0	0	800	6,100,000.	0.84	6,400.	6.7	51,000.	0.087	660.	0.0009	6.9	0	0	0.017	130.	3E-06	0.02	3E-05	0.24	9E-12	0.000000066
Energy Subtotal				***72,000,000.***		***1,400.***		***56,000.***		***0***		***0***		***7,700,000.***		***18,000.***		***51,000.***		***850.***		***6.9***		***0***		***150.***		***0.02***		***0.24***		***0.000000066***
Materials																															
PVC	lb	3264	22	72,000.	0.0006	1.8	0.0069	23.	0	0	0	0	4.1	13,000.	0.0048	16.	0.0076	25.	0.0012	3.9	2E-06	0.0072	2E-06	0.0052	0.0005	1.5	3E-07	0.0011	1E-07	0.00042	7E-09	0.000023
HDPE	lb	2000	31	62,000.	0.0003	0.5	0.0023	4.6	0	0	0	0	1.9	3,800.	0.0032	6.4	0.0041	8.2	0.0006	1.3	4E-07	0.00086	1E-06	0.002	3E-06	0.0068	3E-09	0.0000052	2E-09	0.0000048	1E-09	0.000002
Steel	lb	56910	4.4	250,000.	0.0002	12.	0.0006	36.	0	0	0	0	1.1	63,000.	0.0014	80.	0.0017	97.	0.0006	32.	0.0003	14.	0	0	7E-05	3.8	1E-07	0.0057	3E-06	0.14	7E-12	0.00000037
Stainless Steel	lb	2100	11.6	24,000.	0.0006	1.2	0.0023	4.8	0	0	0	0	3.4	7,100.	0.0075	16.	0.012	25.	0.0044	9.2	0.0006	1.3	0	0	0.0001	0.3	0	0	5E-07	0.0011	2E-12	0.0000000046
Gravel/sand	ton	5636.7	55	310,640.	0.0027	15.032	0.13	731.5	0	0	0	0	6.7	38,078.	0.033	190.39	0.03	170.35	0.004	23.047	0	0	0	0	4E-07	0.0023048	6E-11	0.00000036075	1E-09	0.000006814	2E-16	0.000000000008418
Cement Grout	dry-ton	26.45	4100	108,500.	0.13	3.44	0.41	10.85	0	0	0	0	1800	47,900.	3.6	95.1	2.1	55.4	0.0063	0.1714	0	0	0	0	0.058	1.489	6E-05	0.001478	0.0001	0.00344	9E-11	0.0000000022222
Concrete	tons	349.2	793	280,000.	0.026	9.1	0.19	66.	0	0	0	0	335	120,000.	0.68	240.	0.41	140.	0.0044	1.5	3E-08	0.0000098	0	0	0.011	3.8	1E-05	0.0035	2E-05	0.0084	2E-11	0.0000000056
Bentonite	ton	0.3	55	17.	0.0027	0.00081	0.13	0.039	0	0	0	0	6.7	2.	0.033	0.0099	0.03	0.009	0.004	0.0012	0	0	0	0	4E-07	0.00000012	6E-11	0.0000000019	1E-09	0.00000000036	2E-16	0.000000000000045
Regenerated GAC	lbs	8360000	9.6	80,000,000.	0.0004	3,700.	0.0064	54,000.	0	0	0	0	2	17,000,000.	0.025	210,000.	0.015	130,000.	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	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	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	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	57210.399	18.5	1,054,450.	0.0006	34.004	0.0008	43.969	0	0	0	0	2.7	154,946.	0.0064	362.26	0.013	746.52	0.0003	19.4183	4E-07	0.0205288	0	0	0.0001	6.8119	5E-08	0.0027472	2E-06	0.086627	3E-14	0.000000000171043
Gasoline Produced	gal	24526.4	21	513,500.	0.0006	14.334	0.0008	19.18	0	0	0	0	4.4	107,830.	0.008	191.9	0.019	467.	0.0005	13.084	4E-07	0.01029	0	0	0.0002	3.948	9E-08	0.002032	2E-06	0.05383	3E-14	0.000000000007648
Natural Gas Produced	ccf	0	5.2	0	0.0003	0	8E-05	0	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	2733132	0	0	0	0	0	0	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	3.768	9.2	34.4	0.0004	0.00165	0.021	0.08	0	0	0	0	5	19.1	0.0097	0.037	0.0059	0.0221	0.016	0.0604	8E-07	0.00000316	0	0	2E-05	0.0000563	8E-09	0.0000000314	7E-08	0.000000249	1E-13	0.000000000000372
Potable Water Transported	gal x 1000	3.768	7.4	27.6	0.0006	0.00246	0.0047	0.0179	0	0	0	0	0.5168	1.93	0.0005	0.00205	0.0043	0.0165	6E-05	0.000207	6E-07	0.00000219	0	0	0	0	3E-06	0.00001	4E-08	0.000000149	3E-14	0.000000000000111
Potable Water Used	gal x 1000	3.768	0	0	0	0	0	0	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				***83,000,000.***		***3,800.***		***55,000.***		***0***		***0***		***18,000,000.***		***210,000.***		***130,000.***		***100.***		***15.***		***0.0072***		***22.***		***0.017***		***0.29***		***0.000025***
Waste and Other Services																															
Off-site waste water treatment	gal x 1000	2733120	3.7	10,000,000.	0.0002	490.	0.0008	2,300.	0	0	0	0	3	8,200,000.	0.0061	17,000.	0.0029	7,900.	8E-05	220.	5E-07	1.3	0	0	0.0001	330.	8E-08	0.22	6E-07	1.7	1E-12	0.0000027
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	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	6202.54	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	0
Hazardous Waste Disposal	ton	6202.54	176	1,109,440.	0.0085	52.461	0.165	1,008.82	0	0	0	0	27.5	171,437.	0.154	958.31	0.0825	514.41	0.44	2,723.59	9E-06	0.054472	0	0	0.0015	9.5831	1E-06	0.0066574	8E-06	0.051451	1E-11	0.0000000081708
Laboratory Analysis	$	1103360	8.8	9,704,000.	0.0005	550.3	0.0006	615.78	0	0	0	0	1.3	1,409,000.	0.0045	4,988.3	0.003	3,325.2	0.0001	125.87	0	0	0	0	0.0002	230.79	0	0	0	0	0	0
Waste and Other Services Subtotal				***21,000,000.***		***1,100.***		***3,900.***		***0***		***0***		***9,800,000.***		***23,000.***		***12,000.***		***3,100.***		***1.4***		***0***		***570.***		***0.23***		***1.8***		***0.0000028***
Other																															
On-site process emissions (HAPs)	lbs	17840	0	0	0	0	0	0	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	192000	0	0	0	0	0	0	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***

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	All Levels - Total On-Site and Off-Site Parameters - Alternative 4														
			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			***200,000,000.***	***14,000.***	***2,900,000.***	***3.7***	***2,700,000.***	***36,000,000.***	***250,000.***	***190,000.***	***4,100.***	***23.***	***6,200.***	***19,000.***	***0.27***	***2.3***	***0.000028***
Energy																	
Diesel (on-site)	gal	4639.4163	642,100.	0	0	0	0	104,100.	785.8	24.72	16.016	0	0	1.3607	0	0	0
Gasoline (on-site use)	gal	445.2	55,000.	0	0	0	0	8,700.	49.	2.	0.24	0	0	0.13	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	52570.983	7,351,280.	0	0	0	0	1,173,746.	8,983.35	285.721	178.667	0	0	15.72362	0	0	0
Gasoline (off-site use)	gal	24081.2	2,942,000.	0	0	0	0	470,400.	2,692.	108.14	12.937	0	0	7.271	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	7619.44	26,000,000.	7,600.	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity transmission*	MWh	7619.44	3,100,000.	910.	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity production*	MWh	7619.44	59,000,000.	460.	56,000.	0	0	6,100,000.	6,400.	51,000.	660.	6.9	0	130.	0.02	0.24	0.000000066
Energy Subtotal			***99,000,000.***	***9,000.***	***56,000.***	***0***	***0***	***7,900,000.***	***19,000.***	***51,000.***	***870.***	***6.9***	***0***	***150.***	***0.02***	***0.24***	***0.000000066***
Materials																	
PVC	lb	3264	72,000.	1.8	23.	0	0	13,000.	16.	25.	3.9	0.0072	0.0052	1.5	0.0011	0.00042	0.000023
HDPE	lb	2000	62,000.	0.5	4.6	0	0	3,800.	6.4	8.2	1.3	0.00086	0.002	0.0068	0.0000052	0.0000048	0.000002
Steel	lb	56910	250,000.	12.	36.	0	0	63,000.	80.	97.	32.	14.	0	3.8	0.0057	0.14	0.00000037
Stainless Steel	lb	2100	24,000.	1.2	4.8	0	0	7,100.	16.	25.	9.2	1.3	0	0.3	0	0.0011	0.0000000046
Gravel/sand	ton	5636.7	310,640.	15.032	731.5	0	0	38,078.	190.39	170.35	23.047	0	0	0.0023048	0.00000036075	0.000006814	0.000000000008418
Cement Grout	dry-ton	26.45	108,500.	3.44	10.85	0	0	47,900.	95.1	55.4	0.1714	0	0	1.489	0.001478	0.00344	0.0000000022222
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	0.3	17.	0.00081	0.039	0	0	2.	0.0099	0.009	0.0012	0	0	0.00000012	0.000000000019	0.00000000036	0.000000000000000045
Regenerated GAC	lbs	8360000	80,000,000.	3,700.	54,000.	0	0	17,000,000.	210,000.	130,000.	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	57210.399	1,054,450.	34.004	43.969	0	0	154,946.	362.26	746.52	19.4183	0.0205288	0	6.8119	0.0027472	0.086627	0.000000001710 43
Gasoline Produced	gal	24526.4	513,500.	14.334	19.18	0	0	107,830.	191.9	467.	13.084	0.01029	0	3.948	0.002032	0.05383	0.0000000076 48
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	2733132	0	0	2,700,012.	0	2,700,012.	0	0	0	0	0	0	0	0	0	0
Potable Water Produced	gal x 1000	3.768	34.4	0.00165	0.08	0	0	19.1	0.037	0.0221	0.0604	0.00000316	0	0.0000563	0.0000000314	0.000000249	0.000000000000372
Potable Water Transported	gal x 1000	3.768	27.6	0.00246	0.0179	0	0	1.93	0.00205	0.0165	0.000207	0.00000219	0	0	0.00001	0.000000149	0.000000000000111
Potable Water Used	gal x 1000	3.768	0	0	3.72	3.72	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			***83,000,000.***	***3,800.***	***2,800,000.***	***3.7***	***2,700,000.***	***18,000,000.***	***210,000.***	***130,000.***	***100.***	***15.***	***0.0072***	***22.***	***0.017***	***0.29***	***0.000025***
Waste and Other Services																	
Off-site waste water treatment	gal x 1000	2733120	10,000,000.	490.	2,300.	0	0	8,200,000.	17,000.	7,900.	220.	1.3	0	330.	0.22	1.7	0.0000027
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	6202.54	0	0	0	0	0	0	0	0	0	0	6,153.3	0	0	0	0
Hazardous Waste Disposal	ton	6202.54	1,109,440.	52.461	1,008.82	0	0	171,437.	958.31	514.41	2,723.59	0.054472	0	9.5831	0.0066574	0.051451	0.000000081708
Laboratory Analysis	$	1103360	9,704,000.	550.3	615.78	0	0	1,409,000.	4,988.3	3,325.2	125.87	0	0	230.79	0	0	0
Waste and Other Services Subtotal			***21,000,000.***	***1,100.***	***3,900.***	***0***	***0***	***9,800,000.***	***23,000.***	***12,000.***	***3,100.***	***1.4***	***6,200.***	***570.***	***0.23***	***1.8***	***0.0000028***
Other																	
On-site process emissions (HAPs)	lbs	17840	0	0	0	0	0	0	0	0	0	0	0	18,000.	0	0	0
On-site process emissions (GHGs)	lbs CO2e	192000	0	0	0	0	0	190,000.	0	0	0	0	0	0	0	0	0
Other Subtotal			***0***	***0***	***0***	***0***	***0***	***190,000.***	***0***	***0***	***0***	***0***	***0***	***18,000.***	***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 1 (Site Invest.) Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 4																									
			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				***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	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	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	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	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	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	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	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	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	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	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	0.85	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	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	0	0	0	0	0	0	0	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	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	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	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	0.5	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	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	0
Potable Water Used	gal x 1000	0.5	0	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	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	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	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	1.34	0	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	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	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	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	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 1 (Site Invest.) Parameters Used, Extracted, Emitted, or Generated Off-Site - Alternative 4																									
			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				***570,000.***		***30.***		***35.***		***0***		***0***		***86,000.***		***310.***		***190.***		***8.***		***0.00019***		***0***		***13.***		***0.000078***		***0.00093***		***0.0000000001***
Energy																																
Diesel (on-site)	gal	248.192	0	0	0	0	0	0	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
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	76.0376	139	11,000.	0	0	0	0	0	0	0	0	22.5	1,700.	0.17	13.	0.0054	0.41	0.0034	0.26	0	0	0	0	0.0003	0.023	0	0	0	0	0	0
Gasoline (off-site use)	gal	143.2	124	18,000.	0	0	0	0	0	0	0	0	19.6	2,800.	0.11	16.	0.0045	0.64	0.0005	0.077	0	0	0	0	0.0003	0.043	0	0	0	0	0	0
Natural gas (off-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	0.29	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
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
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				***29,000.***		***0***		***0***		***0***		***0***		***4,500.***		***29.***		***1.1***		***0.34***		***0***		***0***		***0.066***		***0***		***0***		***0***
Materials																																
PVC	lb	0	22	0	0.0006	0	0.0069	0	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	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	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	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	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	0.85	4100	3,500.	0.13	0.11	0.41	0.35	0	0	0	0	1800	1,500.	3.6	3.1	2.1	1.8	0.0063	0.0054	0	0	0	0	0.058	0.049	6E-05	0.000048	0.0001	0.00011	9E-11	0.000000000072
Concrete	tons	0	793	0	0.026	0	0.19	0	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	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	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	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	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	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	324.2296	18.5	6,000.	0.0006	0.19	0.0008	0.25	0	0	0	0	2.7	880.	0.0064	2.1	0.013	4.2	0.0003	0.11	4E-07	0.00012	0	0	0.0001	0.039	5E-08	0.000016	2E-06	0.00049	3E-14	0.000000000097
Gasoline Produced	gal	143.2	21	3,000.	0.0006	0.084	0.0008	0.11	0	0	0	0	4.4	630.	0.008	1.1	0.019	2.7	0.0005	0.074	4E-07	0.00006	0	0	0.0002	0.023	9E-08	0.000012	2E-06	0.00032	3E-14	0.000000000044
Natural Gas Produced	ccf	0	5.2	0	0.0003	0	8E-05	0	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	0.5	9.2	4.6	0.0004	0.00022	0.021	0.011	0	0	0	0	5	2.5	0.0097	0.0049	0.0059	0.003	0.016	0.008	8E-07	0.00000042	0	0	2E-05	0.0000075	8E-09	0.0000000041	7E-08	0.000000034	1E-13	0.000000000005
Potable Water Transported	gal x 1000	0.5	7.4	3.7	0.0006	0.00032	0.0047	0.0024	0	0	0	0	0.5168	0.26	0.0005	0.00027	0.0043	0.0022	6E-05	0.000028	6E-07	0.00000029	0	0	0	0	3E-06	0.0000013	4E-08	0.000000019	3E-14	0.000000000015
Potable Water Used	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	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				***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***		***0.000000000086***
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	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	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	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	0
Hazardous Waste Disposal	ton	1.34	176	240.	0.0085	0.011	0.165	0.22	0	0	0	0	27.5	37.	0.154	0.21	0.0825	0.11	0.44	0.59	9E-06	0.000012	0	0	0.0015	0.0021	1E-06	0.0000014	8E-06	0.000011	1E-11	0.000000000018
Laboratory Analysis	$	60220	8.8	530,000.	0.0005	30.	0.0006	34.	0	0	0	0	1.3	78,000.	0.0045	270.	0.003	180.	0.0001	6.9	0	0	0	0	0.0002	13.	0	0	0	0	0	0
Waste and Other Services Subtotal				***530,000.***		***30.***		***34.***		***0***		***0***		***78,000.***		***270.***		***180.***		***7.5***		***0.000012***		***0***		***13.***		***0.0000014***		***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	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***

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 1 (Site Invest.) Total On-Site and Off-Site Parameters - Alternative 4														
			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	0.0000000000097
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	0.00000042	0	0.0000075	0.0000000041	0.000000034	0.000000000000005
Potable Water Transported	gal x 1000	0.5	3.7	0.00032	0.0024	0	0	0.26	0.00027	0.0022	0.000028	0.00000029	0	0	0.0000013	0.000000019	0.000000000000015
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.***	***0.0000014***	***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

		Quantity Used	Level 2 (Excavation) Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 4																									
			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	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	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	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	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	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	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	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	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	0
Energy Subtotal				***85,000.***		***0***		***0***		***0***		***0***		***14,000.***		***100.***		***3.3***		***2.1***		***0***		***0***		***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	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	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	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	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	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	0	0	0	0	0	0	0	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	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	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	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	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	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	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	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	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	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	6148.8	0	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	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	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	0
On-site process emissions (GHGs)	lbs CO2e	0	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) Parameters Used, Extracted, Emitted, or Generated Off-Site - Alternative 4																									
			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				***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***		***0.000000087***
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
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
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	26422.54	139	3,700,000.	0	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	0.0003	7.9	0	0	0	0	0	0	0
Gasoline (off-site use)	gal	307.2	124	38,000.	0	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	0.0003	0.092	0	0	0	0	0	0	0
Natural gas (off-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	0.29	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	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	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				***3,700,000.***		***0***		***0***		***0***		***0***		***600,000.***		***4,500.***		***140.***		***90.***		***0***		***0***		***8.***		***0***		***0***		***0***
Materials																																
PVC	lb	0	22	0	0.0006	0	0.0069	0	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	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	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	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	5625	55	310,000.	0.0027	15.	0.13	730.	0	0	0	0	6.7	38,000.	0.033	190.	0.03	170.	0.004	23.	0	0	0	0	4E-07	0.0023	6E-11	0.00000036	1E-09	0.0000068	2E-16	0.0000000000084
Cement Grout	dry-ton	0	4100	0	0.13	0	0.41	0	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	349.2	793	280,000.	0.026	9.1	0.19	66.	0	0	0	0	335	120,000.	0.68	240.	0.41	140.	0.0044	1.5	3E-08	0.0000098	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	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	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	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	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	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	27037.124	18.5	500,000.	0.0006	16.	0.0008	21.	0	0	0	0	2.7	73,000.	0.0064	170.	0.013	350.	0.0003	9.2	4E-07	0.0097	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	0	4.4	1,400.	0.008	2.5	0.019	5.8	0.0005	0.16	4E-07	0.00013	0	0	0.0002	0.049	9E-08	0.000026	2E-06	0.00068	3E-14	0.0000000000095
Natural Gas Produced	ccf	0	5.2	0	0.0003	0	8E-05	0	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	0
Potable Water Produced	gal x 1000	0	9.2	0	0.0004	0	0.021	0	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	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	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***		***0.0000000064***
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	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	0
Solid Waste Disposal	ton	0	160	0	0.0077	0	0.15	0	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
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	0	27.5	170,000.	0.154	950.	0.0825	510.	0.44	2,700.	9E-06	0.054	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	0	1.3	9,200.	0.0045	32.	0.003	21.	0.0001	0.81	0	0	0	0	0.0002	1.5	0	0	0	0	0	0
Waste and Other Services Subtotal				***1,200,000.***		***56.***		***1,000.***		***0***		***0***		***180,000.***		***980.***		***530.***		***2,700.***		***0.054***		***0***		***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	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	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 2 (Excavation) Total On-Site and Off-Site Parameters - Alternative 4														
			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	0.00000000000084
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	0.0000000000095
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***	***0.0000000064***
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	0	6,100.	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

		Quantity Used	Level 3 (Construction) Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 4																									
			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				***520,000.***		***0***		***15.***		***2.7***		***12.***		***84,000.***		***640.***		***20.***		***13.***		***0***		***52.***		***1.1***		***0***		***0***		***0***
Energy																															
Diesel (on-site)	gal	3754.24	139	520,000.	0	0	0	0	0	0	0	0	22.5	84,000.	0.17	640.	0.0054	20.	0.0034	13.	0	0	0	0	0.0003	1.1	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	0.0003	0	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	0.29	0	0	0	0	0	0	0
Diesel (off-site use)	gal	990.355	0	0	0	0	0	0	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	1352.4	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
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	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	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	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	0
Energy Subtotal				***520,000.***		***0***		***0***		***0***		***0***		***84,000.***		***640.***		***20.***		***13.***		***0***		***0***		***1.1***		***0***		***0***		***0***
Materials																															
PVC	lb	3264	0	0	0	0	0	0	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	2000	0	0	0	0	0	0	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	56910	0	0	0	0	0	0	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	2100	0	0	0	0	0	0	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	11.7	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
Cement Grout	dry-ton	21.5	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	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	0.3	0	0	0	0	0	0	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	0	0	0	0	0	0	0	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	4744.595	0	0	0	0	0	0	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	1352.4	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
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	12	0	0	0	0	1	12.	0	0	1	12.	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	2.745	0	0	0	0	0	0	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	2.745	0	0	0	0	0	0	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	2.745	0	0	0	0	1	2.7	1	2.7	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	0
Materials Subtotal				***0***		***0***		***15.***		***2.7***		***12.***		***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	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
Hazardous Waste Generation	ton	52.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	52.	0	0	0	0	0	0	0	0
Hazardous Waste Disposal	ton	52.4	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
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	0
Waste and Other Services Subtotal				***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***52.***		***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	0
On-site process emissions (GHGs)	lbs CO2e	0	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) Parameters Used, Extracted, Emitted, or Generated Off-Site - Alternative 4																									
			Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
		Quantity Used	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				***940,000.***		***23.***		***93.***		***0***		***0***		***190,000.***		***570.***		***310.***		***76.***		***15.***		***0.0072***		***8.7***		***0.0085***		***0.15***		***0.000025***
Energy																																
Diesel (on-site)	gal	3754.24	0	0	0	0	0	0	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
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	990.355	139	140,000.	0	0	0	0	0	0	0	0	22.5	22,000.	0.17	170.	0.0054	5.3	0.0034	3.4	0	0	0	0	0.0003	0.3	0	0	0	0	0	0
Gasoline (off-site use)	gal	1352.4	124	170,000.	0	0	0	0	0	0	0	0	19.6	27,000.	0.11	150.	0.0045	6.1	0.0005	0.73	0	0	0	0	0.0003	0.41	0	0	0	0	0	0
Natural gas (off-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	0.29	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
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
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				***310,000.***		***0***		***0***		***0***		***0***		***49,000.***		***320.***		***11.***		***4.1***		***0***		***0***		***0.71***		***0***		***0***		***0***
Materials																																
PVC	lb	3264	22	72,000.	0.0006	1.8	0.0069	23.	0	0	0	0	4.1	13,000.	0.0048	16.	0.0076	25.	0.0012	3.9	2E-06	0.0072	2E-06	0.0052	0.0005	1.5	3E-07	0.0011	1E-07	0.00042	7E-09	0.000023
HDPE	lb	2000	31	62,000.	0.0003	0.5	0.0023	4.6	0	0	0	0	1.9	3,800.	0.0032	6.4	0.0041	8.2	0.0006	1.3	4E-07	0.00086	1E-06	0.002	3E-06	0.0068	3E-09	0.0000052	2E-09	0.0000048	1E-09	0.000002
Steel	lb	56910	4.4	250,000.	0.0002	12.	0.0006	36.	0	0	0	0	1.1	63,000.	0.0014	80.	0.0017	97.	0.0006	32.	0.0003	14.	0	0	7E-05	3.8	1E-07	0.0057	3E-06	0.14	7E-12	0.00000037
Stainless Steel	lb	2100	11.6	24,000.	0.0006	1.2	0.0023	4.8	0	0	0	0	3.4	7,100.	0.0075	16.	0.012	25.	0.0044	9.2	0.0006	1.3	0	0	0.0001	0.3	0	0	5E-07	0.0011	2E-12	0.0000000046
Gravel/sand	ton	11.7	55	640.	0.0027	0.032	0.13	1.5	0	0	0	0	6.7	78.	0.033	0.39	0.03	0.35	0.004	0.047	0	0	0	0	4E-07	0.0000048	6E-11	0.00000000075	1E-09	0.000000014	2E-16	0.000000000000018
Cement Grout	dry-ton	21.5	4100	88,000.	0.13	2.8	0.41	8.8	0	0	0	0	1800	39,000.	3.6	77.	2.1	45.	0.0063	0.14	0	0	0	0	0.058	1.2	6E-05	0.0012	0.0001	0.0028	9E-11	0.0000000018
Concrete	tons	0	793	0	0.026	0	0.19	0	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	0.3	55	17.	0.0027	0.00081	0.13	0.039	0	0	0	0	6.7	2.	0.033	0.0099	0.03	0.009	0.004	0.0012	0	0	0	0	4E-07	0.00000012	6E-11	0.000000000019	1E-09	0.00000000036	2E-16	0.000000000000045
Regenerated GAC	lbs	0	9.6	0	0.0004	0	0.0064	0	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	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	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	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	4744.595	18.5	88,000.	0.0006	2.8	0.0008	3.7	0	0	0	0	2.7	13,000.	0.0064	30.	0.013	62.	0.0003	1.6	4E-07	0.0017	0	0	0.0001	0.57	5E-08	0.00023	2E-06	0.0071	3E-14	0.00000000014
Gasoline Produced	gal	1352.4	21	28,000.	0.0006	0.8	0.0008	1.1	0	0	0	0	4.4	6,000.	0.008	11.	0.019	26.	0.0005	0.7	4E-07	0.00057	0	0	0.0002	0.22	9E-08	0.00011	2E-06	0.003	3E-14	0.000000000042
Natural Gas Produced	ccf	0	5.2	0	0.0003	0	8E-05	0	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	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	0	0
Potable Water Produced	gal x 1000	2.745	9.2	25.	0.0004	0.0012	0.021	0.058	0	0	0	0	5	14.	0.0097	0.027	0.0059	0.016	0.016	0.044	8E-07	0.0000023	0	0	2E-05	0.000041	8E-09	0.000000023	7E-08	0.00000018	1E-13	0.000000000000027
Potable Water Transported	gal x 1000	2.745	7.4	20.	0.0006	0.0018	0.0047	0.013	0	0	0	0	0.5168	1.4	0.0005	0.0015	0.0043	0.012	6E-05	0.00015	6E-07	0.0000016	0	0	0	0	3E-06	0.0000073	4E-08	0.00000011	3E-14	0.000000000000081
Potable Water Used	gal x 1000	2.745	0	0	0	0	0	0	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				***610,000.***		***22.***		***84.***		***0***		***0***		***140,000.***		***240.***		***290.***		***49.***		***15.***		***0.0072***		***7.6***		***0.0084***		***0.15***		***0.000025***
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	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	0
Solid Waste Disposal	ton	0	160	0	0.0077	0	0.15	0	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
Hazardous Waste Generation	ton	52.4	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
Hazardous Waste Disposal	ton	52.4	176	9,200.	0.0085	0.45	0.165	8.6	0	0	0	0	27.5	1,400.	0.154	8.1	0.0825	4.3	0.44	23.	9E-06	0.00046	0	0	0.0015	0.081	1E-06	0.000056	8E-06	0.00044	1E-11	0.00000000069
Laboratory Analysis	$	1400	8.8	12,000.	0.0005	0.7	0.0006	0.78	0	0	0	0	1.3	1,800.	0.0045	6.3	0.003	4.2	0.0001	0.16	0	0	0	0	0.0002	0.29	0	0	0	0	0	0
Waste and Other Services Subtotal				***21,000.***		***1.2***		***9.4***		***0***		***0***		***3,200.***		***14.***		***8.5***		***23.***		***0.00046***		***0***		***0.37***		***0.000056***		***0.00044***		***0.00000000069***
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	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	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 3 (Construction) Total On-Site and Off-Site Parameters - Alternative 4														
			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			***1,500,000.***	***23.***	***110.***	***2.7***	***12.***	***270,000.***	***1,200.***	***330.***	***89.***	***15.***	***52.***	***9.8***	***0.0085***	***0.15***	***0.000025***
Energy																	
Diesel (on-site)	gal	3754.24	520,000.	0	0	0	0	84,000.	640.	20.	13.	0	0	1.1	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	990.355	140,000.	0	0	0	0	22,000.	170.	5.3	3.4	0	0	0.3	0	0	0
Gasoline (off-site use)	gal	1352.4	170,000.	0	0	0	0	27,000.	150.	6.1	0.73	0	0	0.41	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			***830,000.***	***0***	***0***	***0***	***0***	***130,000.***	***960.***	***31.***	***17.***	***0***	***0***	***1.8***	***0***	***0***	***0***
Materials																	
PVC	lb	3264	72,000.	1.8	23.	0	0	13,000.	16.	25.	3.9	0.0072	0.0052	1.5	0.0011	0.00042	0.000023
HDPE	lb	2000	62,000.	0.5	4.6	0	0	3,800.	6.4	8.2	1.3	0.00086	0.002	0.0068	0.0000052	0.0000048	0.000002
Steel	lb	56910	250,000.	12.	36.	0	0	63,000.	80.	97.	32.	14.	0	3.8	0.0057	0.14	0.00000037
Stainless Steel	lb	2100	24,000.	1.2	4.8	0	0	7,100.	16.	25.	9.2	1.3	0	0.3	0	0.0011	0.00000046
Gravel/sand	ton	11.7	640.	0.032	1.5	0	0	78.	0.39	0.35	0.047	0	0	0.0000048	0.00000000075	0.000000014	0.0000000000000018
Cement Grout	dry-ton	21.5	88,000.	2.8	8.8	0	0	39,000.	77.	45.	0.14	0	0	1.2	0.0012	0.0028	0.0000000018
Concrete	tons	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bentonite	ton	0.3	17.	0.00081	0.039	0	0	2.	0.0099	0.009	0.0012	0	0	0.00000012	0.000000000019	0.00000000036	0.00000000000000045
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	4744.595	88,000.	2.8	3.7	0	0	13,000.	30.	62.	1.6	0.0017	0	0.57	0.00023	0.0071	0.000000000014
Gasoline Produced	gal	1352.4	28,000.	0.8	1.1	0	0	6,000.	11.	26.	0.7	0.00057	0	0.22	0.00011	0.003	0.000000000042
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	12	0	0	12.	0	12.	0	0	0	0	0	0	0	0	0	0
Potable Water Produced	gal x 1000	2.745	25.	0.0012	0.058	0	0	14.	0.027	0.016	0.044	0.0000023	0	0.000041	0.000000023	0.00000018	0.000000000000027
Potable Water Transported	gal x 1000	2.745	20.	0.0018	0.013	0	0	1.4	0.0015	0.012	0.00015	0.0000016	0	0	0.0000073	0.00000011	0.000000000000081
Potable Water Used	gal x 1000	2.745	0	0	2.7	2.7	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			***610,000.***	***22.***	***98.***	***2.7***	***12.***	***140,000.***	***240.***	***290.***	***49.***	***15.***	***0.0072***	***7.6***	***0.0084***	***0.15***	***0.000025***
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	52.4	0	0	0	0	0	0	0	0	0	0	52.	0	0	0	0
Hazardous Waste Disposal	ton	52.4	9,200.	0.45	8.6	0	0	1,400.	8.1	4.3	23.	0.00046	0	0.081	0.000056	0.00044	0.00000000069
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			***21,000.***	***1.2***	***9.4***	***0***	***0***	***3,200.***	***14.***	***8.5***	***23.***	***0.00046***	***52.***	***0.37***	***0.000056***	***0.00044***	***0.00000000069***
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

		Quantity Used	Level 4 (O&M) Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 4																									
			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				***26,000,000.***		***7,600.***		***2,700,000.***		***0***		***2,700,000.***		***190,000.***		***0***		***0***		***0***		***0***		***0***		***18,000.***		***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	0.0003	0	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	0.0003	0	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	0.29	0	0	0	0	0	0	0
Diesel (off-site use)	gal	25080	0	0	0	0	0	0	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	20512	0	0	0	0	0	0	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	7619.44	3413	26,000,000.	1	7,600.	0	0	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	7619.44	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
Electricity production*	MWh	7619.44	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
Energy Subtotal				***26,000,000.***		***7,600.***		***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	8360000	0	0	0	0	0	0	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	0	0	0	0	0	0	0	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	25080	0	0	0	0	0	0	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	20512	0	0	0	0	0	0	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	2733120	0	0	0	0	1	2,700,000.	0	0	1	2,700,000.	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	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	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	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	0
Materials Subtotal				***0***		***0***		***2,700,000.***		***0***		***2,700,000.***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***
Waste and Other Services																																
Off-site waste water treatment	gal x 1000	2733120	0	0	0	0	0	0	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	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	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	0
Laboratory Analysis	$	172800	0	0	0	0	0	0	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	17840	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	18,000.	0	0	0	0	0	0
On-site process emissions (GHGs)	lbs CO2e	192000	0	0	0	0	0	0	0	0	0	0	1	190,000.	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***		***190,000.***		***0***		***0***		***0***		***0***		***0***		***18,000.***		***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 4 (O&M) Parameters Used, Extracted, Emitted, or Generated Off-Site - Alternative 4																									
			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				***160,000,000.***		***5,700.***		***110,000.***		***0***		***0***		***33,000,000.***		***240,000.***		***190,000.***		***1,000.***		***8.2***		***0***		***520.***		***0.24***		***2.***		***0.0000028***
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	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
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	25080	139	3,500,000.	0	0	0	0	0	0	0	0	22.5	560,000.	0.17	4,300.	0.0054	140.	0.0034	85.	0	0	0	0	0.0003	7.5	0	0	0	0	0	0	0
Gasoline (off-site use)	gal	20512	124	2,500,000.	0	0	0	0	0	0	0	0	19.6	400,000.	0.11	2,300.	0.0045	92.	0.0005	11.	0	0	0	0	0.0003	6.2	0	0	0	0	0	0	0
Natural gas (off-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	0.29	0	0	0	0	0	0	0	0
On-site electricity use	MWh	7619.44	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 transmission*	MWh	7619.44	410	3,100,000.	0.12	910.	0	0	0	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	7619.44	7800	59,000,000.	0.06	460.	7.3	56,000.	0	0	0	0	800	6,100,000.	0.84	6,400.	6.7	51,000.	0.087	660.	0.0009	6.9	0	0	0.017	130.	3E-06	0.02	3E-05	0.24	9E-12	0.000000066
Energy Subtotal				***68,000,000.***		***1,400.***		***56,000.***		***0***		***0***		***7,100,000.***		***13,000.***		***51,000.***		***760.***		***6.9***		***0***		***140.***		***0.02***		***0.24***		***0.000000066***
Materials																																
PVC	lb	0	22	0	0.0006	0	0.0069	0	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	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	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	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	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	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	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	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	8360000	9.6	80,000,000.	0.0004	3,700.	0.0064	54,000.	0	0	0	0	2	17,000,000.	0.025	210,000.	0.015	130,000.	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	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	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	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	25080	18.5	460,000.	0.0006	15.	0.0008	19.	0	0	0	0	2.7	68,000.	0.0064	160.	0.013	330.	0.0003	8.5	4E-07	0.009	0	0	0.0001	3.	5E-08	0.0012	2E-06	0.038	3E-14	0.00000000075
Gasoline Produced	gal	20512	21	430,000.	0.0006	12.	0.0008	16.	0	0	0	0	4.4	90,000.	0.008	160.	0.019	390.	0.0005	11.	4E-07	0.0086	0	0	0.0002	3.3	9E-08	0.0017	2E-06	0.045	3E-14	0.00000000064
Natural Gas Produced	ccf	0	5.2	0	0.0003	0	8E-05	0	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	2733120	0	0	0	0	0	0	0	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	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	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	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				***81,000,000.***		***3,700.***		***54,000.***		***0***		***0***		***17,000,000.***		***210,000.***		***130,000.***		***20.***		***0.018***		***0***		***6.3***		***0.0029***		***0.083***		***0.0000000014***
Waste and Other Services																																
Off-site waste water treatment	gal x 1000	2733120	3.7	10,000,000.	0.0002	490.	0.0008	2,300.	0	0	0	0	3	8,200,000.	0.0061	17,000.	0.0029	7,900.	8E-05	220.	5E-07	1.3	0	0	0.0001	330.	8E-08	0.22	6E-07	1.7	1E-12	0.0000027
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	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	0	0
Hazardous Waste Disposal	ton	0	176	0	0.0085	0	0.165	0	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
Laboratory Analysis	$	172800	8.8	1,500,000.	0.0005	86.	0.0006	97.	0	0	0	0	1.3	220,000.	0.0045	780.	0.003	520.	0.0001	20.	0	0	0	0	0.0002	36.	0	0	0	0	0	0	0
Waste and Other Services Subtotal				***12,000,000.***		***580.***		***2,400.***		***0***		***0***		***8,400,000.***		***18,000.***		***8,400.***		***240.***		***1.3***		***0***		***370.***		***0.22***		***1.7***		***0.0000027***
Other																																
On-site process emissions (HAPs)	lbs	17840	0	0	0	0	0	0	0	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	192000	0	0	0	0	0	0	0	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***

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 4 (O&M) Total On-Site and Off-Site Parameters - Alternative 4														
			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			***190,000,000.***	***13,000.***	***2,900,000.***	***0***	***2,700,000.***	***33,000,000.***	***240,000.***	***190,000.***	***1,000.***	***8.2***	***0***	***19,000.***	***0.24***	***2.***	***0.0000028***
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	25080	3,500,000.	0	0	0	0	560,000.	4,300.	140.	85.	0	0	7.5	0	0	0
Gasoline (off-site use)	gal	20512	2,500,000.	0	0	0	0	400,000.	2,300.	92.	11.	0	0	6.2	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	7619.44	26,000,000.	7,600.	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity transmission*	MWh	7619.44	3,100,000.	910.	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity production*	MWh	7619.44	59,000,000.	460.	56,000.	0	0	6,100,000.	6,400.	51,000.	660.	6.9	0	130.	0.02	0.24	0.000000066
Energy Subtotal			***94,000,000.***	***9,000.***	***56,000.***	***0***	***0***	***7,100,000.***	***13,000.***	***51,000.***	***760.***	***6.9***	***0***	***140.***	***0.02***	***0.24***	***0.000000066***
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	8360000	80,000,000.	3,700.	54,000.	0	0	17,000,000.	210,000.	130,000.	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	25080	460,000.	15.	19.	0	0	68,000.	160.	330.	8.5	0.009	0	3.	0.0012	0.038	0.00000000075
Gasoline Produced	gal	20512	430,000.	12.	16.	0	0	90,000.	160.	390.	11.	0.0086	0	3.3	0.0017	0.045	0.00000000064
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	2733120	0	0	2,700,000.	0	2,700,000.	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			***81,000,000.***	***3,700.***	***2,800,000.***	***0***	***2,700,000.***	***17,000,000.***	***210,000.***	***130,000.***	***20.***	***0.018***	***0***	***6.3***	***0.0029***	***0.083***	***0.0000000014***
Waste and Other Services																	
Off-site waste water treatment	gal x 1000	2733120	10,000,000.	490.	2,300.	0	0	8,200,000.	17,000.	7,900.	220.	1.3	0	330.	0.22	1.7	0.0000027
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	$	172800	1,500,000.	86.	97.	0	0	220,000.	780.	520.	20.	0	0	36.	0	0	0
Waste and Other Services Subtotal			***12,000,000.***	***580.***	***2,400.***	***0***	***0***	***8,400,000.***	***18,000.***	***8,400.***	***240.***	***1.3***	***0***	***370.***	***0.22***	***1.7***	***0.0000027***
Other																	
On-site process emissions (HAPs)	lbs	17840	0	0	0	0	0	0	0	0	0	0	0	18,000.	0	0	0
On-site process emissions (GHGs)	lbs CO2e	192000	0	0	0	0	0	190,000.	0	0	0	0	0	0	0	0	0
Other Subtotal			***0***	***0***	***0***	***0***	***0***	***190,000.***	***0***	***0***	***0***	***0***	***0***	***18,000.***	***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 5 (LTM) Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 4																									
			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				***55,000.***		***0***		***0***		***0***		***0***		***8,700.***		***49.***		***2.***		***0.24***		***0***		***0***		***0.13***		***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	0.0003	0	0	0	0	0	0	0
Gasoline (on-site use)	gal	445.2	124	55,000.	0	0	0	0	0	0	0	0	19.6	8,700.	0.11	49.	0.0045	2.	0.0005	0.24	0	0	0	0	0.0003	0.13	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	0.29	0	0	0	0	0	0	0
Diesel (off-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
Gasoline (off-site use)	gal	1478.4	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
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	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	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	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	0
Energy Subtotal				***55,000.***		***0***		***0***		***0***		***0***		***8,700.***		***49.***		***2.***		***0.24***		***0***		***0***		***0.13***		***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	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	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	1923.6	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
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	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	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	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	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	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	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	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	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	0
Laboratory Analysis	$	861840	0	0	0	0	0	0	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	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	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 5 (LTM) Parameters Used, Extracted, Emitted, or Generated Off-Site - Alternative 4																									
			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				***7,800,000.***		***430.***		***480.***		***0***		***0***		***1,100,000.***		***4,100.***		***2,600.***		***100.***		***0.00081***		***0***		***180.***		***0.00016***		***0.0042***		*0.00000000006*
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	0
Gasoline (on-site use)	gal	445.2	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	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	0.0003	0	0	0	0	0	0	0	0
Gasoline (off-site use)	gal	1478.4	124	180,000.	0	0	0	0	0	0	0	0	19.6	29,000.	0.11	160.	0.0045	6.7	0.0005	0.8	0	0	0	0	0.0003	0.44	0	0	0	0	0	0	0
Natural gas (off-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	0.29	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	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	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				***180,000.***		***0***		***0***		***0***		***0***		***29,000.***		***160.***		***6.7***		***0.8***		***0***		***0***		***0.44***		***0***		***0***		***0***
Materials																																
PVC	lb	0	22	0	0.0006	0	0.0069	0	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	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	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	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	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	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	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	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	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	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	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	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	0	18.5	0	0.0006	0	0.0008	0	0	0	0	0	2.7	0	0.0064	0	0.013	0	0.0003	0	4E-07	0	0	0	0.0001	0	5E-08	0	2E-06	0	3E-14	0
Gasoline Produced	gal	1923.6	21	40,000.	0.0006	1.1	0.0008	1.5	0	0	0	0	4.4	8,500.	0.008	15.	0.019	37.	0.0005	1.	4E-07	0.00081	0	0	0.0002	0.31	9E-08	0.00016	2E-06	0.0042	3E-14	0.00000000006
Natural Gas Produced	ccf	0	5.2	0	0.0003	0	8E-05	0	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	0
Potable Water Produced	gal x 1000	0	9.2	0	0.0004	0	0.021	0	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	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	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				***40,000.***		***1.1***		***1.5***		***0***		***0***		***8,500.***		***15.***		***37.***		***1.***		***0.00081***		***0***		***0.31***		***0.00016***		***0.0042***		*0.00000000006*
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	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	0
Solid Waste Disposal	ton	0	160	0	0.0077	0	0.15	0	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
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	0
Hazardous Waste Disposal	ton	0	176	0	0.0085	0	0.165	0	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
Laboratory Analysis	$	861840	8.8	7,600,000.	0.0005	430.	0.0006	480.	0	0	0	0	1.3	1,100,000.	0.0045	3,900.	0.003	2,600.	0.0001	98.	0	0	0	0	0.0002	180.	0	0	0	0	0	0	0
Waste and Other Services Subtotal				***7,600,000.***		***430.***		***480.***		***0***		***0***		***1,100,000.***		***3,900.***		***2,600.***		***98.***		***0***		***0***		***180.***		***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	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	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 5 (LTM) Total On-Site and Off-Site Parameters - Alternative 4														
			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			***7,900,000.***	***430.***	***480.***	***0***	***0***	***1,100,000.***	***4,100.***	***2,600.***	***100.***	***0.00081***	***0***	***180.***	***0.00016***	***0.0042***	***0.00000000006***
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	445.2	55,000.	0	0	0	0	8,700.	49.	2.	0.24	0	0	0.13	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gasoline (off-site use)	gal	1478.4	180,000.	0	0	0	0	29,000.	160.	6.7	0.8	0	0	0.44	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			***240,000.***	***0***	***0***	***0***	***0***	***38,000.***	***210.***	***8.7***	***1.***	***0***	***0***	***0.57***	***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	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	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gasoline Produced	gal	1923.6	40,000.	1.1	1.5	0	0	8,500.	15.	37.	1.	0.00081	0	0.31	0.00016	0.0042	0.00000000006
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			***40,000.***	***1.1***	***1.5***	***0***	***0***	***8,500.***	***15.***	***37.***	***1.***	***0.00081***	***0***	***0.31***	***0.00016***	***0.0042***	***0.00000000006***
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	$	861840	7,600,000.	430.	480.	0	0	1,100,000.	3,900.	2,600.	98.	0	0	180.	0	0	0
Waste and Other Services Subtotal			***7,600,000.***	***430.***	***480.***	***0***	***0***	***1,100,000.***	***3,900.***	***2,600.***	***98.***	***0***	***0***	***180.***	***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

		Quantity Used	Level 6 (Decomm.) Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 4																									
			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***		***0.52***		***0.52***		***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	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	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	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	2.05	0	0	0	0	0	0	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	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	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	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	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	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	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	4.1	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
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	0	0	0	0	0	0	0	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	24.45	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
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	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	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	0.523	0	0	0	0	0	0	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	0.523	0	0	0	0	0	0	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	0.523	0	0	0	0	1	0.52	1	0.52	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	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***		***0.52***		***0.52***		***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	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	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	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	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***
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	0
On-site process emissions (GHGs)	lbs CO2e	0	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
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 6 (Decomm.) Parameters Used, Extracted, Emitted, or Generated Off-Site - Alternative 4																									
			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				***59,000.***		***0.71***		***2.***		***0***		***0***		***14,000.***		***49.***		***15.***		***0.36***		***0.00013***		***0***		***0.38***		***0.00026***		***0.0012***		***0.00000000036***
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	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
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	2.05	139	280.	0	0	0	0	0	0	0	0	22.5	46.	0.17	0.35	0.0054	0.011	0.0034	0.007	0	0	0	0	0.0003	0.00062	0	0	0	0	0	0
Gasoline (off-site use)	gal	288	124	36,000.	0	0	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	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	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
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				***36,000.***		***0***		***0***		***0***		***0***		***5,600.***		***32.***		***1.3***		***0.17***		***0***		***0***		***0.087***		***0***		***0***		***0***
Materials																																
PVC	lb	0	22	0	0.0006	0	0.0069	0	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	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	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	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	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	4.1	4100	17,000.	0.13	0.53	0.41	1.7	0	0	0	0	1800	7,400.	3.6	15.	2.1	8.6	0.0063	0.026	0	0	0	0	0.058	0.24	6E-05	0.00023	0.0001	0.00053	9E-11	0.00000000035
Concrete	tons	0	793	0	0.026	0	0.19	0	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	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	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	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	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	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	24.45	18.5	450.	0.0006	0.014	0.0008	0.019	0	0	0	0	2.7	66.	0.0064	0.16	0.013	0.32	0.0003	0.0083	4E-07	0.0000088	0	0	0.0001	0.0029	5E-08	0.0000012	2E-06	0.000037	3E-14	0.0000000000073
Gasoline Produced	gal	288	21	6,000.	0.0006	0.17	0.0008	0.23	0	0	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	0.0000000000089
Natural Gas Produced	ccf	0	5.2	0	0.0003	0	8E-05	0	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	0.523	9.2	4.8	0.0004	0.00023	0.021	0.011	0	0	0	0	5	2.6	0.0097	0.0051	0.0059	0.0031	0.016	0.0084	8E-07	0.00000044	0	0	2E-05	0.0000078	8E-09	0.0000000043	7E-08	0.000000035	1E-13	0.0000000000052
Potable Water Transported	gal x 1000	0.523	7.4	3.9	0.0006	0.00034	0.0047	0.0025	0	0	0	0	0.5168	0.27	0.0005	0.00028	0.0043	0.0023	6E-05	0.000029	6E-07	0.0000003	0	0	0	0	3E-06	0.0000014	4E-08	0.00000002	3E-14	0.0000000000015
Potable Water Used	gal x 1000	0.523	0	0	0	0	0	0	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				***23,000.***		***0.71***		***2.***		***0***		***0***		***8,800.***		***17.***		***14.***		***0.19***		***0.00013***		***0***		***0.29***		***0.00026***		***0.0012***		***0.00000000036***
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	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	0
Solid Waste Disposal	ton	0	160	0	0.0077	0	0.15	0	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
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	0
Hazardous Waste Disposal	ton	0	176	0	0.0085	0	0.165	0	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
Laboratory Analysis	$	0	8.8	0	0.0005	0	0.0006	0	0	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***
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	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	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.) Total On-Site and Off-Site Parameters - Alternative 4														
			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			***62,000.***	***0.71***	***2.5***	***0.52***	***0***	***15,000.***	***53.***	***15.***	***0.43***	***0.00013***	***0***	***0.38***	***0.00026***	***0.0012***	***0.00000000036***
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	2.05	280.	0	0	0	0	46.	0.35	0.011	0.007	0	0	0.00062	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			***39,000.***	***0***	***0***	***0***	***0***	***6,100.***	***36.***	***1.4***	***0.24***	***0***	***0***	***0.093***	***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	4.1	17,000.	0.53	1.7	0	0	7,400.	15.	8.6	0.026	0	0	0.24	0.00023	0.00053	0.00000000035
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	24.45	450.	0.014	0.019	0	0	66.	0.16	0.32	0.0083	0.0000088	0	0.0029	0.0000012	0.000037	0.00000000000073
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	0.523	4.8	0.00023	0.011	0	0	2.6	0.0051	0.0031	0.0084	0.00000044	0	0.0000078	0.0000000043	0.000000035	0.000000000000052
Potable Water Transported	gal x 1000	0.523	3.9	0.00034	0.0025	0	0	0.27	0.00028	0.0023	0.000029	0.0000003	0	0	0.0000014	0.00000002	0.000000000000015
Potable Water Used	gal x 1000	0.523	0	0	0.52	0.52	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			***23,000.***	***0.71***	***2.5***	***0.52***	***0***	***8,800.***	***17.***	***14.***	***0.19***	***0.00013***	***0***	***0.29***	***0.00026***	***0.0012***	***0.00000000036***
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