

APPENDIX F
REMEDY INVENTORY SHEETS AND FOOTPRINTING SPREADSHEET OUTPUT
P&T SENSITIVITY ANALYSIS

SPREADSHEET OUTPUT FILES – P&T SENSITIVITY ANALYSIS

This appendix provides all of the spreadsheet output for the Romic P&T sensitivity analysis. Modifications to the inventory sheets in Appendix A are provided first, followed by the general output from the main sheet, followed by charts illustrating footprints for each of the parameters, followed by the detailed spreadsheet output for each of the remedy alternatives.

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

For this analysis the following definitions are assigned to the alternatives:

- Alternative 4 v1 – Original P&T scenario
- Alternative 4 v2 – Original P&T scenario but with no liquid GAC
- Alternative 4 v3 – Original P&T scenario but with no liquid GAC or discharge of treated water to the POTW
- Alternative 4 v4 – Original P&T scenario but with no liquid GAC or discharge of treated water to the POTW plus the use of renewable energy (RE) that hypothetically has no environmental footprints
- Alternative 4 v5 – Original P&T scenario but with no liquid GAC or discharge of treated water to the POTW but uses electricity generated with the average U.S. fuel blend, which has higher environmental footprints than the local fuel blend)
- Alternative 3 v1 – Original bioremediation scenario

For this analysis the following definitions are assigned to the various levels:

- 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

In addition to the modifications made to the remedy inventory sheets shown on the next pages, the footprint conversion factors were modified as follows:

- Alternative 4 v4 – the actual conversion factors associated with electricity production (which override the default conversion factor values) were set to zero to represent a hypothetical zero footprint for renewable energy.
- Alternative 4 v5 – the actual conversion factors for electricity production and transmission (which override the default conversion factor values) were erased so that the default values (which are those for the average U.S. fuel blend) would be used.

Assumptions Regarding Treatment Plant Construction

Extraction System Pumps and Treatment Plant Components

- Four 1 HP self-priming pumps for groundwater extraction each rated for 32 gpm at 25 feet of suction and 30 psi of discharge pressure
- Building with less than 1,000 square feet of floor plan and natural ventilation
- Tray aerator with 6 trays rated for approximately 1,300 cfm of flow and pressure drop of 26 inches of water - 15 HP blower
- Three 10,000-pound vapor phase GAC vessels in series (large units selected to reduce pressure drop) - with in-line pre-heater

Construction Parameters

Item	Unit	Quantity
Days required for construction	days	20
Man-days required for construction (3 person crew)	man-days	60
Mobilizations required for construction contractor	visits	20
Days required for oversight	man-days	20
Mobilizations required for oversight	visits	20

Notes:

- Construction contractor includes local plumber and electrician to install air stripper, GAC units, and controls

Primary Treatment Components

Item	Mass of Materials Integral to Primary Treatment Components				Materials for Building	
	Mass of Stainless Steel	Mass of Steel	Mass of HDPE	Mass of PVC	Mass of Concrete	Mass of Building and Reinforcing Steel
	lbs	lbs	lbs	lbs	tons	lbs
Building and concrete reinforcing steel	0	0	0	0	0	0
Concrete foundation	0	0	0	0	0	0
Air stripper	2100	0	0	0	0	0
Liquid GAC units	0	0	0	0	0	0
Vapor GAC units	0	17550	0	0	0	0
Total Mass	2100	17550	0	0	0	0
Truckloads for delivery	1	1	0	0	0	0

Notes:

- No building steel or concrete is required. Project assumes an existing building can house the system.
- Air stripper mass is based on Carbonair specifications for a STAT 180 stripper with 4 trays and QED 24.4
- Vapor GAC units are based on Carbonair specifications for three GPC 70units.
- Liquid GAC units are based on Carbonair specifications for three PC50 units
- Fuel consumption for forklift to move equipment during treatment plant assembly is assumed to be negligible relative to the transportation of the equipment to the site.

Assumptions Regarding Treatment Plant O&M

General Operation Parameters

Item		Unit	Quantity
System Duration		years	40
System Flow Rate		gpm	130
Total Extraction for Duration of Remedy		gallons	2733120000
<u>O&M Labor</u>			
Frequency of Operator Visits		visit/week	1
Total Operator Visits (one operator per visit)		man-days	2080
Frequency of plumber/electrician repairs		visit/year	4
Total plumber/electrician visits		man-days	160
Frequency of engineer/oversight visits		visit/year	4
Total engineer/oversight visits		man-days	160
<u>Discharge</u>			
Volume of treated water discharged to surface water	0%	of ext. water	gallons 0
Volume of treated water discharged to the POTW	100%	of ext. water	gallons 2733120000
Volume of treated water reinjected	0%	of ext. water	gallons 0
Volume of treated water used beneficially	0%	of ext. water	gallons 0
<u>Sampling</u>			
Total process sampling over lifetime of remedy		samples	1920
Cost for sample analysis		\$/sample	\$90
Total cost for laboratory analysis		\$	\$172,800

- Process sampling includes monthly sampling of influent/effluent + duplicate + trip blank

Treatment Chemicals, Materials, and Waste

Item	Unit	Annual Quantity	Life-Cycle Quantity	Shipments per Year	Life-Cycle Shipments
<u>Adsorbants</u>					
- regenerated coal-based GAC	lbs	35000	1400000	4	160
- virgin coal-based GAC	lbs	0	0	0	0
- virgin coconut-based GAC	lbs	0	0	0	0
<u>Chemicals and Other Resources</u>					
- Potassium permanganate	lbs	0	0	0	0
- Hydrogen peroxide (50% solution, specific gravity =1.19)	lbs	0	0	0	0
- Polymer	lbs	0	0	0	0
- Sodium hydroxide (20% solution, specific gravity=1.22)	lbs	0	0	0	0
- Hydrochloric acid (30% solution, specific gravity = 1.18)	lbs	0	0	0	0
- Sequestering agent	lbs	0	0	0	0
- lime	lbs	0	0	0	0
- potable water	gallons	0	0	0	0
<u>Hazardous Waste</u>					
- filter cake solids	tons	0	0	0	0
- spent GAC for disposal	tons	0	0	0	0
- debris (spent bag filters, etc.)	tons	0	0	0	0
Total hazardous waste		0	0	0	0
<u>Non-Hazardous Waste</u>					
- filter cake solids	tons	0	0	0	0
- spent GAC for disposal	tons	0	0	0	0
- debris (spent bag filters, etc.)	tons	0	0	0	0
Total non-hazardous waste		0	0	0	0

Notes:

- Vapor GAC usage estimate influent flow rate (130 gpm) and influent concentrations equal to those on the overview tab of this file to determine contaminant mass entering the treatment plant (approximately 2,000 pounds per year) and removal efficiency of the air stripper (varies by compound) determined by applying the Carbonair STAT.EXE software with the following assumptions: STAT 400 unit with 6 trays, air water ratio of 75:1 to represent 1,300 cfm of air to 130 gpm of water, air and water temperatures of 55 F, and no safety factor. GAC usage determined by using approximately 20 pounds of GAC per pound of contaminant, which is consistent with but higher than the GAC usage for cis-1,2-DCE at a concentration of under 10 ppmv (similar to the vapor concentration entering the GAC). Vapor GAC usage per year is approximately 35,000 pounds per year.
- Vinyl chloride is excluded from the vapor phase GAC estimates as it would not reasonably be treated by the GAC

Process Emissions

Compound Emitted	Percentage of Influent Mass Emitted through GAC	Emission Rate (lbs/day)	Emission Rate (lbs/yr)	Total Life-Cycle Emissions (lbs)	Global Warming Potential (lbs CO2e/lb)	Total CO2e* Emissions (lbs)
1,2-dichloroethane	0.95%	0.015	5	200	0	0
cis-1,2-dichloroethene	0.95%	0.021	8	320	0	0
toluene	0.95%	0.004	1	40	0	0
1,1,2-trichloroethane	0.95%	0.004	1	40	0	0
trichloroethene	0.95%	0.01	4	160	0	0
vinyl chloride	95.00%	1.259	460	18400	0	0
freon 113	0.95%	0.004	1	40	4800	192000
Total greenhouse gas emissions (GHGs)						192000
Total hazardous air pollutants (HAPs)		1.292	472	18880		

Notes:

- The percentage of influent mass emitted through the vapor GAC assumes that the air stripper transfers 95% of the influent mass to the air stripper off-gas and that the vapor phase GAC is 99% efficient for all compounds (except vinyl chloride, which has a 0% efficiency). Refer to the equation below.
- Freon-113 and cis-1,2-dichloroethene are not a HAPs.
- Greenhouse gas potential of freon 113 is the IPCC Second Assessment Report 100-year value.

$$M_e = C \times Q \times \frac{3.785L}{gal} \times \frac{1440min}{day} \times \frac{kg}{10^9} \times \frac{2.2lbs}{kg} \times \eta_a \times (1 - \eta_c)$$

where

Q = flow rate (gpm)

C = VOC concentration (ug / L)

η_a = air stripper efficiency (90%)

η_c = GAC efficiency (95%)

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Vapor GAC units	0	17550	0	0	0	0
Total Mass	2100	17550	0	0	0	0
Truckloads for delivery	1	1	0	0	0	0

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- Potassium permanganate	lbs	0	0	0	0
- Hydrogen peroxide (50% solution, specific gravity =1.19)	lbs	0	0	0	0
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- Sodium hydroxide (20% solution, specific gravity=1.22)	lbs	0	0	0	0
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- Sequestering agent	lbs	0	0	0	0
- lime	lbs	0	0	0	0
- potable water	gallons	0	0	0	0
<u>Hazardous Waste</u>					
- filter cake solids	tons	0	0	0	0
- spent GAC for disposal	tons	0	0	0	0
- debris (spent bag filters, etc.)	tons	0	0	0	0
Total hazardous waste		0	0	0	0
<u>Non-Hazardous Waste</u>					
- filter cake solids	tons	0	0	0	0
- spent GAC for disposal	tons	0	0	0	0
- debris (spent bag filters, etc.)	tons	0	0	0	0
Total non-hazardous waste		0	0	0	0

Notes:

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trichloroethene	0.95%	0.01	4	160	0	0
vinyl chloride	95.00%	1.259	460	18400	0	0
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- Freon-113 and cis-1,2-dichloroethene are not a HAPs.
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$$M_e = C \times Q \times \frac{3.785L}{gal} \times \frac{1440min}{day} \times \frac{kg}{10^9} \times \frac{2.2lbs}{kg} \times \eta_a \times (1 - \eta_c)$$

where

Q = flow rate (gpm)

C = VOC concentration (ug / L)

η_a = air stripper efficiency (90%)

η_c = GAC efficiency (95%)

**Footprint Analysis Spreadsheets - General Output
Romic, East Palo Alto, CA - P&T Sensitivity Analysis**

Variables In Alternative:

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

File Path :

File Name	Baseline	Alternative Name
Green Remediation Tool Alternative 4 v1.xlsx	X	Original P&T
Green Remediation Tool Alternative 4 v2.xlsx		No GAC
Green Remediation Tool Alternative 4 v3.xlsx		No GAC + No POTW
Green Remediation Tool Alternative 4 v4.xlsx		No GAC + No POTW + RE
Green Remediation Tool Alternative 4 v5.xlsx		No GAC + No POTW + US
Green Remediation Tool Alternative 3 v1.xlsx		Original Bio.
Green Remediation Tool Alternative 10.xlsx		
Green Remediation Tool Alternative 10.xlsx		
Green Remediation Tool Alternative 10.xlsx		
Green Remediation Tool Alternative 10.xlsx		

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

Sheet Name:

	Comparison for Parameters Used, Extracted, Emitted, or Generated On-Site														
	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
	Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
	Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Level 1 - Site Investigation															
Original 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
No GAC	34,000.	0	0.5	0.5	0	5,600.	42.	1.3	0.84	0	1.3	0.074	0	0	0
No GAC + No POTW	34,000.	0	0.5	0.5	0	5,600.	42.	1.3	0.84	0	1.3	0.074	0	0	0
No GAC + No POTW + RE	34,000.	0	0.5	0.5	0	5,600.	42.	1.3	0.84	0	1.3	0.074	0	0	0
No GAC + No POTW + US	34,000.	0	0.5	0.5	0	5,600.	42.	1.3	0.84	0	1.3	0.074	0	0	0
Original Bio.	34,000.	0	0.5	0.5	0	5,600.	42.	1.3	0.84	0	1.3	0.074	0	0	0
Level 2 - Excavation															
Original P&T	85,000.	0	0	0	0	14,000.	100.	3.3	2.1	0	6,100.	0.18	0	0	0
No GAC	85,000.	0	0	0	0	14,000.	100.	3.3	2.1	0	6,100.	0.18	0	0	0
No GAC + No POTW	85,000.	0	0	0	0	14,000.	100.	3.3	2.1	0	6,100.	0.18	0	0	0
No GAC + No POTW + RE	85,000.	0	0	0	0	14,000.	100.	3.3	2.1	0	6,100.	0.18	0	0	0
No GAC + No POTW + US	85,000.	0	0	0	0	14,000.	100.	3.3	2.1	0	6,100.	0.18	0	0	0
Original Bio.	85,000.	0	0	0	0	14,000.	100.	3.3	2.1	0	6,100.	0.18	0	0	0
Level 3 - Construction															
Original P&T	520,000.	0	15.	2.7	12.	84,000.	640.	20.	13.	0	52.	1.1	0	0	0
No GAC	520,000.	0	15.	2.7	12.	84,000.	640.	20.	13.	0	52.	1.1	0	0	0
No GAC + No POTW	520,000.	0	15.	2.7	12.	84,000.	640.	20.	13.	0	52.	1.1	0	0	0
No GAC + No POTW + RE	520,000.	0	15.	2.7	12.	84,000.	640.	20.	13.	0	52.	1.1	0	0	0
No GAC + No POTW + US	520,000.	0	15.	2.7	12.	84,000.	640.	20.	13.	0	52.	1.1	0	0	0
Original Bio.	1,300,000.	0	36.	8.5	27.	210,000.	1,600.	51.	32.	0	150.	2.8	0	0	0
Level 4 - O&M															
Original 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
No GAC	31,000,000.	9,200.	2,700,000.	0	2,700,000.	190,000.	0	0	0	0	0	19,000.	0	0	0
No GAC + No POTW	31,000,000.	9,200.	2,700,000.	0	2,700,000.	190,000.	0	0	0	0	0	19,000.	0	0	0
No GAC + No POTW + RE	31,000,000.	9,200.	2,700,000.	0	2,700,000.	190,000.	0	0	0	0	0	19,000.	0	0	0
No GAC + No POTW + US	31,000,000.	9,200.	2,700,000.	0	2,700,000.	190,000.	0	0	0	0	0	19,000.	0	0	0
Original Bio.	46,000.	13.	6,800.	6,800.	0	0	0	0	0	0	0	0	0	0	0
Level 5 - LTM															
Original P&T	55,000.	0	0	0	0	8,700.	49.	2.	0.24	0	0	0.13	0	0	0
No GAC	55,000.	0	0	0	0	8,700.	49.	2.	0.24	0	0	0.13	0	0	0
No GAC + No POTW	55,000.	0	0	0	0	8,700.	49.	2.	0.24	0	0	0.13	0	0	0
No GAC + No POTW + RE	55,000.	0	0	0	0	8,700.	49.	2.	0.24	0	0	0.13	0	0	0
No GAC + No POTW + US	55,000.	0	0	0	0	8,700.	49.	2.	0.24	0	0	0.13	0	0	0
Original Bio.	16,000.	0	0	0	0	2,500.	14.	0.57	0.069	0	0	0.038	0	0	0
Level 6 - Decomm.															
Original P&T	3,100.	0	0.52	0.52	0	500.	3.8	0.12	0.076	0	0	0.0067	0	0	0
No GAC	3,100.	0	0.52	0.52	0	500.	3.8	0.12	0.076	0	0	0.0067	0	0	0
No GAC + No POTW	3,100.	0	0.52	0.52	0	500.	3.8	0.12	0.076	0	0	0.0067	0	0	0
No GAC + No POTW + RE	3,100.	0	0.52	0.52	0	500.	3.8	0.12	0.076	0	0	0.0067	0	0	0
No GAC + No POTW + US	3,100.	0	0.52	0.52	0	500.	3.8	0.12	0.076	0	0	0.0067	0	0	0
Original Bio.	3,100.	0	1.9	1.9	0	500.	3.8	0.12	0.076	0	0	0.0067	0	0	0
Total (All Levels)															
Original 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
No GAC	32,000,000.	9,200.	2,700,000.	3.7	2,700,000.	300,000.	830.	27.	16.	0	6,200.	19,000.	0	0	0
No GAC + No POTW	32,000,000.	9,200.	2,700,000.	3.7	2,700,000.	300,000.	830.	27.	16.	0	6,200.	19,000.	0	0	0
No GAC + No POTW + RE	32,000,000.	9,200.	2,700,000.	3.7	2,700,000.	300,000.	830.	27.	16.	0	6,200.	19,000.	0	0	0
No GAC + No POTW + US	32,000,000.	9,200.	2,700,000.	3.7	2,700,000.	300,000.	830.	27.	16.	0	6,200.	19,000.	0	0	0
Original Bio.	1,500,000.	13.	6,800.	6,800.	27.	230,000.	1,800.	56.	35.	0	6,300.	3.1	0	0	0

	Comparison for Parameters Used, Extracted, Emitted, or Generated Off-Site														
	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxic	Mercury	Lead	Dioxins
	Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
	Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Level 1 - Site Investigation															
Original P&T	570,000.	30.	35.	0	0	86,000.	310.	190.	8.	0.00019	0	13.	0.000078	0.00093	0.000000001
No GAC	570,000.	30.	35.	0	0	86,000.	310.	190.	8.	0.00019	0	13.	0.000078	0.00093	0.000000001
No GAC + No POTW	570,000.	30.	35.	0	0	86,000.	310.	190.	8.	0.00019	0	13.	0.000078	0.00093	0.000000001
No GAC + No POTW + RE	570,000.	30.	35.	0	0	86,000.	310.	190.	8.	0.00019	0	13.	0.000077	0.00093	0.000000001
No GAC + No POTW + US	570,000.	30.	35.	0	0	86,000.	310.	190.	8.	0.00019	0	13.	0.000077	0.00093	0.000000001
Original Bio.	570,000.	30.	35.	0	0	86,000.	310.	190.	8.	0.00019	0	13.	0.000078	0.00093	0.000000001
Level 2 - Excavation															
Original 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
No GAC	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
No GAC + No POTW	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
No GAC + No POTW + RE	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
No GAC + No POTW + US	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
Original Bio.	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															
Original P&T	940,000.	23.	93.	0	0	190,000.	570.	310.	76.	15.	0.0072	8.7	0.0085	0.15	0.000025
No GAC	780,000.	18.	77.	0	0	160,000.	470.	260.	61.	9.5	0.0072	7.	0.006	0.096	0.000025
No GAC + No POTW	780,000.	18.	77.	0	0	160,000.	470.	260.	61.	9.5	0.0072	7.	0.006	0.096	0.000025
No GAC + No POTW + RE	780,000.	18.	77.	0	0	160,000.	470.	260.	61.	9.5	0.0072	7.	0.006	0.096	0.000025
No GAC + No POTW + US	780,000.	18.	77.	0	0	160,000.	470.	260.	61.	9.5	0.0072	7.	0.006	0.096	0.000025
Original Bio.	1,300,000.	26.	150.	0	0	300,000.	880.	460.	92.	2.2	0.015	13.	0.0091	0.055	0.000064
Level 4 - O&M															
Original 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
No GAC	110,000,000.	2,900.	78,000.	0	0	19,000,000.	64,000.	91,000.	1,100.	9.6	0	540.	0.25	2.	0.0000028
No GAC + No POTW	95,000,000.	2,400.	76,000.	0	0	11,000,000.	47,000.	84,000.	860.	8.3	0	210.	0.026	0.34	0.00000008
No GAC + No POTW + RE	95,000,000.	2,400.	9,100.	0	0	3,600,000.	39,000.	22,000.	57.	0.01	0	47.	0.0019	0.051	0.0000000077
No GAC + No POTW + US	95,000,000.	2,400.	29,000.	0	0	20,000,000.	59,000.	77,000.	860.	9.3	0	4,100.	0.26	1.7	0.0000024
Original Bio.	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															
Original 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	0.0000000006
No GAC	7,800,000.	430.	480.	0	0	1,100,000.	4,100.	2,600.	100.	0.00081	0	180.	0.00016	0.0042	0.0000000006
No GAC + No POTW	7,800,000.	430.	480.	0	0	1,100,000.	4,100.	2,600.	100.	0.00081	0	180.	0.00016	0.0042	0.0000000006
No GAC + No POTW + RE	7,800,000.	430.	480.	0	0	1,100,000.	4,100.	2,600.	100.	0.00081	0	180.	0.00016	0.0042	0.0000000006
No GAC + No POTW + US	7,800,000.	430.	480.	0	0	1,100,000.	4,100.	2,600.	100.	0.00081	0	180.	0.00016	0.0042	0.0000000006
Original Bio.	6,900,000.	390.	440.	0	0	1,000,000.	3,600.	2,300.	93.	1.7	0	160.	0.00074	0.019	0.0000000043
Level 6 - Decomm.															
Original 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
No GAC	59,000.	0.71	2.	0	0	14,000.	49.	15.	0.36	0.00013	0	0.38	0.00026	0.0012	0.00000000036
No GAC + No POTW	59,000.	0.71	2.	0	0	14,000.	49.	15.	0.36	0.00013	0	0.38	0.00026	0.0012	0.00000000036
No GAC + No POTW + RE	59,000.	0.71	2.	0	0	14,000.	49.	15.	0.36	0.00013	0	0.38	0.00026	0.0012	0.00000000036
No GAC + No POTW + US	59,000.	0.71	2.	0	0	14,000.	49.	15.	0.36	0.00013	0	0.38	0.00026	0.0012	0.00000000036
Original Bio.	100,000.	2.1	6.3	0	0	33,000.	89.	38.	0.47	0.00013	0	0.99	0.00087	0.0026	0.0000000012
Total (All Levels)															
Original 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
No GAC	130,000,000.	3,500.	80,000.	0	0	21,000,000.	75,000.	95,000.	4,100.	19.	0.0072	770.	0.27	2.2	0.000028
No GAC + No POTW	110,000,000.	3,000.	78,000.	0	0	13,000,000.	58,000.	88,000.	3,800.	18.	0.0072	440.	0.043	0.54	0.000025
No GAC + No POTW + RE	110,000,000.	3,000.	11,000.	0	0	6,000,000.	50,000.	26,000.	3,000.	9.6	0.0072	270.	0.019	0.25	0.000025
No GAC + No POTW + US	110,000,000.	3,000.	31,000.	0	0	22,000,000.	70,000.	81,000.	3,800.	19.	0.0072	4,300.	0.28	1.9	0.000027
Original Bio.	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

	Comparison for Total Parameters Used, Extracted, Emitted, or Generated On-Site and Off-Site														
	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
	Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
	Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Level 1 - Site Investigation															
Original P&T	610,000.	30.	35.	0.5	0	91,000.	350.	190.	8.9	0.00019	1.3	13.	0.000078	0.00093	0.000000001
No GAC	610,000.	30.	35.	0.5	0	91,000.	350.	190.	8.9	0.00019	1.3	13.	0.000078	0.00093	0.000000001
No GAC + No POTW	610,000.	30.	35.	0.5	0	91,000.	350.	190.	8.9	0.00019	1.3	13.	0.000078	0.00093	0.000000001
No GAC + No POTW + RE	610,000.	30.	35.	0.5	0	91,000.	350.	190.	8.9	0.00019	1.3	13.	0.000077	0.00093	0.000000001
No GAC + No POTW + US	610,000.	30.	35.	0.5	0	91,000.	350.	190.	8.9	0.00019	1.3	13.	0.000077	0.00093	0.000000001
Original Bio.	610,000.	30.	35.	0.5	0	91,000.	350.	190.	8.9	0.00019	1.3	13.	0.000078	0.00093	0.000000001
Level 2 - Excavation															
Original 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
No GAC	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
No GAC + No POTW	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
No GAC + No POTW + RE	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
No GAC + No POTW + US	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
Original Bio.	6,100,000.	96.	1,800.	0	0	1,000,000.	6,200.	1,300.	2,800.	0.064	6,100.	26.	0.011	0.1	0.000000087
Level 3 - Construction															
Original 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
No GAC	1,300,000.	18.	92.	2.7	12.	250,000.	1,100.	280.	74.	9.5	52.	8.1	0.006	0.096	0.000025
No GAC + No POTW	1,300,000.	18.	92.	2.7	12.	250,000.	1,100.	280.	74.	9.5	52.	8.1	0.006	0.096	0.000025
No GAC + No POTW + RE	1,300,000.	18.	92.	2.7	12.	250,000.	1,100.	280.	74.	9.5	52.	8.1	0.006	0.096	0.000025
No GAC + No POTW + US	1,300,000.	18.	92.	2.7	12.	250,000.	1,100.	280.	74.	9.5	52.	8.1	0.006	0.096	0.000025
Original Bio.	2,600,000.	26.	180.	8.5	27.	510,000.	2,500.	510.	120.	2.2	150.	15.	0.0091	0.055	0.000064
Level 4 - O&M															
Original 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
No GAC	140,000,000.	12,000.	2,800,000.	0	2,700,000.	19,000,000.	64,000.	91,000.	1,100.	9.6	0	20,000.	0.25	2.	0.0000028
No GAC + No POTW	130,000,000.	12,000.	2,800,000.	0	2,700,000.	11,000,000.	47,000.	84,000.	860.	8.3	0	19,000.	0.026	0.34	0.00000008
No GAC + No POTW + RE	130,000,000.	12,000.	2,700,000.	0	2,700,000.	3,800,000.	39,000.	22,000.	57.	0.01	0	19,000.	0.0019	0.051	0.0000000077
No GAC + No POTW + US	130,000,000.	12,000.	2,700,000.	0	2,700,000.	20,000,000.	59,000.	77,000.	860.	9.3	0	23,000.	0.26	1.7	0.0000024
Original Bio.	13,000,000.	61.	7,300.	6,800.	0	3,500,000.	25,000.	19,000.	620.	0.038	0	19.	0.02	0.071	0.000000023
Level 5 - LTM															
Original 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	0.0000000006
No GAC	7,900,000.	430.	480.	0	0	1,100,000.	4,100.	2,600.	100.	0.00081	0	180.	0.00016	0.0042	0.0000000006
No GAC + No POTW	7,900,000.	430.	480.	0	0	1,100,000.	4,100.	2,600.	100.	0.00081	0	180.	0.00016	0.0042	0.0000000006
No GAC + No POTW + RE	7,900,000.	430.	480.	0	0	1,100,000.	4,100.	2,600.	100.	0.00081	0	180.	0.00016	0.0042	0.0000000006
No GAC + No POTW + US	7,900,000.	430.	480.	0	0	1,100,000.	4,100.	2,600.	100.	0.00081	0	180.	0.00016	0.0042	0.0000000006
Original Bio.	7,000,000.	390.	440.	0	0	1,000,000.	3,600.	2,300.	93.	1.7	0	160.	0.00074	0.019	0.000000043
Level 6 - Decomm.															
Original 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	0.0000000036
No GAC	62,000.	0.71	2.5	0.52	0	15,000.	53.	15.	0.43	0.00013	0	0.38	0.00026	0.0012	0.0000000036
No GAC + No POTW	62,000.	0.71	2.5	0.52	0	15,000.	53.	15.	0.43	0.00013	0	0.38	0.00026	0.0012	0.0000000036
No GAC + No POTW + RE	62,000.	0.71	2.5	0.52	0	15,000.	53.	15.	0.43	0.00013	0	0.38	0.00026	0.0012	0.0000000036
No GAC + No POTW + US	62,000.	0.71	2.5	0.52	0	15,000.	53.	15.	0.43	0.00013	0	0.38	0.00026	0.0012	0.0000000036
Original Bio.	110,000.	2.1	8.2	1.9	0	33,000.	93.	39.	0.54	0.00013	0	1.	0.00087	0.0026	0.000000012
Total (All Levels)															
Original 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
No GAC	160,000,000.	13,000.	2,800,000.	3.7	2,700,000.	21,000,000.	76,000.	95,000.	4,100.	19.	6,200.	20,000.	0.27	2.2	0.000028
No GAC + No POTW	150,000,000.	13,000.	2,800,000.	3.7	2,700,000.	13,000,000.	59,000.	88,000.	3,800.	18.	6,200.	19,000.	0.043	0.54	0.000025
No GAC + No POTW + RE	150,000,000.	13,000.	2,700,000.	3.7	2,700,000.	6,300,000.	51,000.	26,000.	3,000.	9.6	6,200.	19,000.	0.019	0.25	0.000025
No GAC + No POTW + US	150,000,000.	13,000.	2,700,000.	3.7	2,700,000.	22,000,000.	71,000.	81,000.	3,800.	19.	6,200.	23,000.	0.28	1.9	0.000027
Original Bio.	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

Baseline Alternative: Original P&T	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
	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
Site Investigation															
Original P&T	100%	0%	100%	100%	0%	100%	100%	100%	100%	0%	100%	100%	0%	0%	0%
No GAC	100%	0%	100%	100%	0%	100%	100%	100%	100%	0%	100%	100%	0%	0%	0%
No GAC + No POTW	100%	0%	100%	100%	0%	100%	100%	100%	100%	0%	100%	100%	0%	0%	0%
No GAC + No POTW + RE	100%	0%	100%	100%	0%	100%	100%	100%	100%	0%	100%	100%	0%	0%	0%
No GAC + No POTW + US	100%	0%	100%	100%	0%	100%	100%	100%	100%	0%	100%	100%	0%	0%	0%
Original Bio.	100%	0%	100%	100%	0%	100%	100%	100%	100%	0%	100%	100%	0%	0%	0%
Excavation															
Original P&T	100%	0%	0%	0%	0%	100%	100%	100%	100%	0%	100%	100%	0%	0%	0%
No GAC	100%	0%	0%	0%	0%	100%	100%	100%	100%	0%	100%	100%	0%	0%	0%
No GAC + No POTW	100%	0%	0%	0%	0%	100%	100%	100%	100%	0%	100%	100%	0%	0%	0%
No GAC + No POTW + RE	100%	0%	0%	0%	0%	100%	100%	100%	100%	0%	100%	100%	0%	0%	0%
No GAC + No POTW + US	100%	0%	0%	0%	0%	100%	100%	100%	100%	0%	100%	100%	0%	0%	0%
Original Bio.	100%	0%	0%	0%	0%	100%	100%	100%	100%	0%	100%	100%	0%	0%	0%
Construction															
Original P&T	100%	0%	100%	100%	100%	100%	100%	100%	100%	0%	100%	100%	0%	0%	0%
No GAC	100%	0%	100%	100%	100%	100%	100%	100%	100%	0%	100%	100%	0%	0%	0%
No GAC + No POTW	100%	0%	100%	100%	100%	100%	100%	100%	100%	0%	100%	100%	0%	0%	0%
No GAC + No POTW + RE	100%	0%	100%	100%	100%	100%	100%	100%	100%	0%	100%	100%	0%	0%	0%
No GAC + No POTW + US	100%	0%	100%	100%	100%	100%	100%	100%	100%	0%	100%	100%	0%	0%	0%
Original Bio.	250%	0%	240%	315%	225%	250%	250%	255%	246%	0%	288%	255%	0%	0%	0%
O&M															
Original P&T	100%	100%	100%	0%	100%	100%	0%	0%	0%	0%	0%	100%	0%	0%	0%
No GAC	119%	121%	100%	0%	100%	100%	0%	0%	0%	0%	0%	106%	0%	0%	0%
No GAC + No POTW	119%	121%	100%	0%	100%	100%	0%	0%	0%	0%	0%	106%	0%	0%	0%
No GAC + No POTW + RE	119%	121%	100%	0%	100%	100%	0%	0%	0%	0%	0%	106%	0%	0%	0%
No GAC + No POTW + US	119%	121%	100%	0%	100%	100%	0%	0%	0%	0%	0%	106%	0%	0%	0%
Original Bio.	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
LTM															
Original P&T	100%	0%	0%	0%	0%	100%	100%	100%	100%	0%	0%	100%	0%	0%	0%
No GAC	100%	0%	0%	0%	0%	100%	100%	100%	100%	0%	0%	100%	0%	0%	0%
No GAC + No POTW	100%	0%	0%	0%	0%	100%	100%	100%	100%	0%	0%	100%	0%	0%	0%
No GAC + No POTW + RE	100%	0%	0%	0%	0%	100%	100%	100%	100%	0%	0%	100%	0%	0%	0%
No GAC + No POTW + US	100%	0%	0%	0%	0%	100%	100%	100%	100%	0%	0%	100%	0%	0%	0%
Original Bio.	29%	0%	0%	0%	0%	29%	29%	29%	29%	0%	0%	29%	0%	0%	0%
Decomm.															
Original P&T	100%	0%	100%	100%	0%	100%	100%	100%	100%	0%	0%	100%	0%	0%	0%
No GAC	100%	0%	100%	100%	0%	100%	100%	100%	100%	0%	0%	100%	0%	0%	0%
No GAC + No POTW	100%	0%	100%	100%	0%	100%	100%	100%	100%	0%	0%	100%	0%	0%	0%
No GAC + No POTW + RE	100%	0%	100%	100%	0%	100%	100%	100%	100%	0%	0%	100%	0%	0%	0%
No GAC + No POTW + US	100%	0%	100%	100%	0%	100%	100%	100%	100%	0%	0%	100%	0%	0%	0%
Original Bio.	100%	0%	365%	365%	0%	100%	100%	100%	100%	0%	0%	100%	0%	0%	0%
Total (All Levels)															
Original P&T	100%	100%	100%	100%	100%	100%	100%	100%	100%	0%	100%	100%	0%	0%	0%
No GAC	119%	121%	100%	100%	100%	100%	100%	100%	100%	0%	100%	106%	0%	0%	0%
No GAC + No POTW	119%	121%	100%	100%	100%	100%	100%	100%	100%	0%	100%	106%	0%	0%	0%
No GAC + No POTW + RE	119%	121%	100%	100%	100%	100%	100%	100%	100%	0%	100%	106%	0%	0%	0%
No GAC + No POTW + US	119%	121%	100%	100%	100%	100%	100%	100%	100%	0%	100%	106%	0%	0%	0%

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

Baseline Alternative: Original P&T	Scaled Comparison for Parameters Used, Extracted, Emitted, or Generated Off-Site														
	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
	Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
	Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Site Investigation															
Original P&T	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	0%	100%	100%	100%	100%
No GAC	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	0%	100%	100%	100%	100%
No GAC + No POTW	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	0%	100%	100%	100%	100%
No GAC + No POTW + RE	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	0%	100%	99%	100%	100%
No GAC + No POTW + US	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	0%	100%	99%	100%	100%
Original Bio.	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	0%	100%	100%	100%	100%
Excavation															
Original P&T	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	0%	100%	100%	100%	100%
No GAC	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	0%	100%	100%	100%	100%
No GAC + No POTW	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	0%	100%	100%	100%	100%
No GAC + No POTW + RE	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	0%	100%	100%	100%	100%
No GAC + No POTW + US	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	0%	100%	100%	100%	100%
Original Bio.	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	0%	100%	100%	100%	100%
Construction															
Original P&T	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
No GAC	83%	78%	83%	0%	0%	84%	82%	84%	80%	63%	100%	80%	71%	64%	100%
No GAC + No POTW	83%	78%	83%	0%	0%	84%	82%	84%	80%	63%	100%	80%	71%	64%	100%
No GAC + No POTW + RE	83%	78%	83%	0%	0%	84%	82%	84%	80%	63%	100%	80%	71%	64%	100%
No GAC + No POTW + US	83%	78%	83%	0%	0%	84%	82%	84%	80%	63%	100%	80%	71%	64%	100%
Original Bio.	138%	113%	161%	0%	0%	158%	154%	148%	121%	15%	208%	149%	107%	37%	256%
O&M															
Original P&T	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	0%	100%	100%	100%	100%
No GAC	69%	51%	71%	0%	0%	58%	27%	48%	110%	117%	0%	104%	104%	100%	100%
No GAC + No POTW	59%	42%	69%	0%	0%	33%	20%	44%	86%	101%	0%	40%	11%	17%	3%
No GAC + No POTW + RE	59%	42%	8%	0%	0%	11%	16%	12%	6%	0%	0%	9%	1%	3%	0%
No GAC + No POTW + US	59%	42%	26%	0%	0%	61%	25%	41%	86%	113%	0%	788%	108%	85%	86%
Original Bio.	8%	1%	1%	0%	0%	11%	10%	10%	62%	0%	0%	4%	8%	4%	0%
LTM															
Original P&T	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	0%	100%	100%	100%	100%
No GAC	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	0%	100%	100%	100%	100%
No GAC + No POTW	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	0%	100%	100%	100%	100%
No GAC + No POTW + RE	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	0%	100%	100%	100%	100%
No GAC + No POTW + US	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	0%	100%	100%	100%	100%
Original Bio.	88%	91%	92%	0%	0%	91%	88%	88%	93%	209877%	0%	89%	463%	452%	71667%
Decomm.															
Original P&T	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	0%	100%	100%	100%	100%
No GAC	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	0%	100%	100%	100%	100%
No GAC + No POTW	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	0%	100%	100%	100%	100%
No GAC + No POTW + RE	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	0%	100%	100%	100%	100%
No GAC + No POTW + US	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	0%	100%	100%	100%	100%
Original Bio.	169%	296%	315%	0%	0%	236%	182%	253%	131%	100%	0%	261%	335%	217%	333%
Total (All Levels)															
Original P&T	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
No GAC	72%	56%	73%	0%	0%	60%	30%	50%	103%	83%	100%	103%	104%	96%	100%
No GAC + No POTW	61%	48%	71%	0%	0%	37%	23%	46%	95%	78%	100%	59%	17%	23%	89%
No GAC + No POTW + RE	61%	48%	10%	0%	0%	17%	20%	14%	75%	42%	100%	36%	7%	11%	89%
No GAC + No POTW + US	61%	48%	28%	0%	0%	63%	28%	43%	95%	83%	100%	573%	108%	83%	96%

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

Baseline Alternative: Original P&T	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
	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
Site Investigation															
Original P&T	100%	100%	100%	100%	0%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
No GAC	100%	100%	100%	100%	0%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
No GAC + No POTW	100%	100%	100%	100%	0%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
No GAC + No POTW + RE	100%	100%	100%	100%	0%	100%	100%	100%	100%	100%	100%	100%	99%	100%	100%
No GAC + No POTW + US	100%	100%	100%	100%	0%	100%	100%	100%	100%	100%	100%	100%	99%	100%	100%
Original Bio.	100%	100%	100%	100%	0%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Excavation															
Original P&T	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
No GAC	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
No GAC + No POTW	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
No GAC + No POTW + RE	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
No GAC + No POTW + US	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Original Bio.	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Construction															
Original P&T	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
No GAC	87%	78%	84%	100%	100%	93%	92%	85%	83%	63%	100%	83%	71%	64%	100%
No GAC + No POTW	87%	78%	84%	100%	100%	93%	92%	85%	83%	63%	100%	83%	71%	64%	100%
No GAC + No POTW + RE	87%	78%	84%	100%	100%	93%	92%	85%	83%	63%	100%	83%	71%	64%	100%
No GAC + No POTW + US	87%	78%	84%	100%	100%	93%	92%	85%	83%	63%	100%	83%	71%	64%	100%
Original Bio.	173%	113%	164%	315%	225%	189%	208%	155%	135%	15%	288%	153%	107%	37%	256%
O&M															
Original P&T	100%	100%	100%	0%	100%	100%	100%	100%	100%	100%	0%	100%	100%	100%	100%
No GAC	74%	92%	97%	0%	100%	58%	27%	48%	110%	117%	0%	105%	104%	100%	100%
No GAC + No POTW	68%	92%	97%	0%	100%	33%	20%	44%	86%	101%	0%	100%	11%	17%	3%
No GAC + No POTW + RE	68%	92%	93%	0%	100%	12%	16%	12%	6%	0%	0%	100%	1%	3%	0%
No GAC + No POTW + US	68%	92%	93%	0%	100%	61%	25%	41%	86%	113%	0%	121%	108%	85%	86%
Original Bio.	7%	0%	0%	0%	0%	11%	10%	10%	62%	0%	0%	0%	8%	4%	0%
LTM															
Original P&T	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	0%	100%	100%	100%	100%
No GAC	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	0%	100%	100%	100%	100%
No GAC + No POTW	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	0%	100%	100%	100%	100%
No GAC + No POTW + RE	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	0%	100%	100%	100%	100%
No GAC + No POTW + US	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	0%	100%	100%	100%	100%
Original Bio.	89%	91%	92%	0%	0%	91%	88%	88%	93%	209877%	0%	89%	463%	452%	71667%
Decomm.															
Original P&T	100%	100%	100%	100%	0%	100%	100%	100%	100%	100%	0%	100%	100%	100%	100%
No GAC	100%	100%	100%	100%	0%	100%	100%	100%	100%	100%	0%	100%	100%	100%	100%
No GAC + No POTW	100%	100%	100%	100%	0%	100%	100%	100%	100%	100%	0%	100%	100%	100%	100%
No GAC + No POTW + RE	100%	100%	100%	100%	0%	100%	100%	100%	100%	100%	0%	100%	100%	100%	100%
No GAC + No POTW + US	100%	100%	100%	100%	0%	100%	100%	100%	100%	100%	0%	100%	100%	100%	100%
Original Bio.	177%	296%	328%	365%	0%	220%	175%	260%	126%	100%	0%	263%	335%	217%	333%
Total (All Levels)															
Original P&T	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
No GAC	76%	93%	97%	100%	100%	60%	30%	50%	103%	83%	100%	105%	104%	96%	100%
No GAC + No POTW	71%	93%	97%	100%	100%	37%	24%	46%	95%	78%	100%	100%	17%	23%	89%
No GAC + No POTW + RE	71%	93%	93%	100%	100%	18%	20%	14%	75%	42%	100%	100%	7%	11%	89%
No GAC + No POTW + US	71%	93%	93%	100%	100%	63%	28%	43%	95%	83%	100%	121%	108%	83%	96%

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	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
Site Investigation															
Original 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%)			
No GAC	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%)			
No GAC + No POTW	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%)			
No GAC + No POTW + RE	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%)			
No GAC + No POTW + US	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%)			
Original Bio.	Diesel-On (100%)		PW Used (100%)	PW Used (100%)		Diesel-On (100%)	Diesel-On (100%)	Diesel-On (100%)	Diesel-On (100%)		HW-Gen (100%)	Diesel-On (100%)			
Excavation															
Original P&T	Diesel-On (100%)					Diesel-On (100%)	Diesel-On (100%)	Diesel-On (100%)	Diesel-On (100%)		HW-Gen (100%)	Diesel-On (100%)			
No GAC	Diesel-On (100%)					Diesel-On (100%)	Diesel-On (100%)	Diesel-On (100%)	Diesel-On (100%)		HW-Gen (100%)	Diesel-On (100%)			
No GAC + No POTW	Diesel-On (100%)					Diesel-On (100%)	Diesel-On (100%)	Diesel-On (100%)	Diesel-On (100%)		HW-Gen (100%)	Diesel-On (100%)			
No GAC + No POTW + RE	Diesel-On (100%)					Diesel-On (100%)	Diesel-On (100%)	Diesel-On (100%)	Diesel-On (100%)		HW-Gen (100%)	Diesel-On (100%)			
No GAC + No POTW + US	Diesel-On (100%)					Diesel-On (100%)	Diesel-On (100%)	Diesel-On (100%)	Diesel-On (100%)		HW-Gen (100%)	Diesel-On (100%)			
Original Bio.	Diesel-On (100%)					Diesel-On (100%)	Diesel-On (100%)	Diesel-On (100%)	Diesel-On (100%)		HW-Gen (100%)	Diesel-On (100%)			
Construction															
Original 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%)			
No GAC	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%)			
No GAC + No POTW	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%)			
No GAC + No POTW + RE	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%)			
No GAC + No POTW + US	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%)			
Original Bio.	Diesel-On (100%)		GW Ext (75%)	PW Used (100%)	GW Ext (100%)	Diesel-On (100%)	Diesel-On (100%)	Diesel-On (100%)	Diesel-On (100%)		HW-Gen (100%)	Diesel-On (100%)			
O&M															
Original P&T	Elec. Use (100%)	Elec. Use (100%)	GW Ext (100%)		GW Ext (100%)	Proc. GHGs (100%)						Proc. HAPs (100%)			
No GAC	Elec. Use (100%)	Elec. Use (100%)	GW Ext (100%)		GW Ext (100%)	Proc. GHGs (100%)						Proc. HAPs (100%)			
No GAC + No POTW	Elec. Use (100%)	Elec. Use (100%)	GW Ext (100%)		GW Ext (100%)	Proc. GHGs (100%)						Proc. HAPs (100%)			
No GAC + No POTW + RE	Elec. Use (100%)	Elec. Use (100%)	GW Ext (100%)		GW Ext (100%)	Proc. GHGs (100%)						Proc. HAPs (100%)			
No GAC + No POTW + US	Elec. Use (100%)	Elec. Use (100%)	GW Ext (100%)		GW Ext (100%)	Proc. GHGs (100%)						Proc. HAPs (100%)			
Original Bio.	Elec. Use (100%)	Elec. Use (100%)	PW Used (100%)	PW Used (100%)											
LTM															
Original P&T	Gas-On (100%)					Gas-On (100%)	Gas-On (100%)	Gas-On (100%)	Gas-On (100%)			Gas-On (100%)			
No GAC	Gas-On (100%)					Gas-On (100%)	Gas-On (100%)	Gas-On (100%)	Gas-On (100%)			Gas-On (100%)			
No GAC + No POTW	Gas-On (100%)					Gas-On (100%)	Gas-On (100%)	Gas-On (100%)	Gas-On (100%)			Gas-On (100%)			
No GAC + No POTW + RE	Gas-On (100%)					Gas-On (100%)	Gas-On (100%)	Gas-On (100%)	Gas-On (100%)			Gas-On (100%)			
No GAC + No POTW + US	Gas-On (100%)					Gas-On (100%)	Gas-On (100%)	Gas-On (100%)	Gas-On (100%)			Gas-On (100%)			
Original Bio.	Gas-On (100%)					Gas-On (100%)	Gas-On (100%)	Gas-On (100%)	Gas-On (100%)			Gas-On (100%)			
Decomm.															
Original 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%)			
No GAC	Diesel-On (100%)		PW Used (100%)	PW Used (100%)		Diesel-On (100%)	Diesel-On (100%)	Diesel-On (100%)	Diesel-On (100%)			Diesel-On (100%)			
No GAC + No POTW	Diesel-On (100%)		PW Used (100%)	PW Used (100%)		Diesel-On (100%)	Diesel-On (100%)	Diesel-On (100%)	Diesel-On (100%)			Diesel-On (100%)			
No GAC + No POTW + RE	Diesel-On (100%)		PW Used (100%)	PW Used (100%)		Diesel-On (100%)	Diesel-On (100%)	Diesel-On (100%)	Diesel-On (100%)			Diesel-On (100%)			
No GAC + No POTW + US	Diesel-On (100%)		PW Used (100%)	PW Used (100%)		Diesel-On (100%)	Diesel-On (100%)	Diesel-On (100%)	Diesel-On (100%)			Diesel-On (100%)			
Original Bio.	Diesel-On (100%)		PW Used (100%)	PW Used (100%)		Diesel-On (100%)	Diesel-On (100%)	Diesel-On (100%)	Diesel-On (100%)			Diesel-On (100%)			
Total (All Levels)															
Original 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%)			
No GAC	4 - Elec. Use (97%)	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%)			
No GAC + No POTW	4 - Elec. Use (97%)	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%)			
No GAC + No POTW + RE	4 - Elec. Use (97%)	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%)			
No GAC + No POTW + US	4 - Elec. Use (97%)	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	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
Site Investigation															
Original 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%)
No GAC	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%)
No GAC + No POTW	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%)
No GAC + No POTW + RE	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%)
No GAC + No POTW + US	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%)
Original Bio.	Lab (93%)	Lab (100%)	Lab (97%)			Lab (91%)	Lab (87%)	Lab (95%)	Lab (86%)	Diesel-Pro (63%)		Lab (100%)	Cement (62%)	Diesel-Pro (53%)	Cement (72%)
Excavation															
Original 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%)
No GAC	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%)
No GAC + No POTW	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%)
No GAC + No POTW + RE	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%)
No GAC + No POTW + US	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%)
Original Bio.	Diesel-Off (62%)	HW-Disp (54%)	HW-Disp (56%)			Diesel-Off (59%)	Diesel-Off (74%)	HW-Disp (39%)	HW-Disp (96%)	HW-Disp (84%)		HW-Disp (37%)	HW-Disp (60%)	HW-Disp (51%)	HW-Disp (93%)
Construction															
Original 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%)
No GAC	Gas-Off (22%)	Steel (38%)	PVC (30%)			Cement (24%)	Gas-Off (32%)	Diesel-Pro (22%)	HW-Disp (38%)	Steel (86%)	PVC (72%)	Steel (31%)	Steel (55%)	Steel (85%)	PVC (92%)
No GAC + No POTW	Gas-Off (22%)	Steel (38%)	PVC (30%)			Cement (24%)	Gas-Off (32%)	Diesel-Pro (22%)	HW-Disp (38%)	Steel (86%)	PVC (72%)	Steel (31%)	Steel (55%)	Steel (85%)	PVC (92%)
No GAC + No POTW + RE	Gas-Off (22%)	Steel (38%)	PVC (30%)			Cement (24%)	Gas-Off (32%)	Diesel-Pro (22%)	HW-Disp (38%)	Steel (86%)	PVC (72%)	Steel (31%)	Steel (55%)	Steel (85%)	PVC (92%)
No GAC + No POTW + US	Gas-Off (22%)	Steel (38%)	PVC (30%)			Cement (24%)	Gas-Off (32%)	Diesel-Pro (22%)	HW-Disp (38%)	Steel (86%)	PVC (72%)	Steel (31%)	Steel (55%)	Steel (85%)	PVC (92%)
Original Bio.	Gas-Off (24%)	Cement (33%)	PVC (43%)			Cement (40%)	Gas-Off (32%)	Cement (30%)	HW-Disp (72%)	Steel (100%)	PVC (100%)	PVC (34%)	Cement (42%)	Steel (40%)	PVC (100%)
O&M															
Original 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%)
No GAC	Elec. Prod (65%)	Elec. Trans (38%)	Elec. Prod (86%)			POTW (43%)	GAC-R (55%)	Elec. Prod (68%)	Elec. Prod (73%)	Elec. Prod (86%)		POTW (61%)	POTW (88%)	POTW (85%)	POTW (96%)
No GAC + No POTW	Elec. Prod (76%)	Elec. Trans (46%)	Elec. Prod (88%)			Elec. Prod (67%)	GAC-R (74%)	Elec. Prod (74%)	Elec. Prod (93%)	Elec. Prod (100%)		Elec. Prod (76%)	Elec. Prod (92%)	Elec. Prod (85%)	Elec. Prod (99%)
No GAC + No POTW + RE	Elec. Prod (76%)	Elec. Trans (46%)	GAC-R (99%)			GAC-R (78%)	GAC-R (90%)	GAC-R (95%)	Lab (35%)	Gas-Pro (86%)		Lab (77%)	Gas-Pro (89%)	Gas-Pro (88%)	Gas-Pro (83%)
No GAC + No POTW + US	Elec. Prod (76%)	Elec. Trans (46%)	Elec. Prod (62%)			Elec. Prod (75%)	GAC-R (59%)	Elec. Prod (64%)	Elec. Prod (84%)	Elec. Prod (89%)		Elec. Prod (90%)	Elec. Prod (88%)	Elec. Prod (82%)	Elec. Prod (88%)
Original Bio.	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%)
LTM															
Original 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%)
No GAC	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%)
No GAC + No POTW	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%)
No GAC + No POTW + RE	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%)
No GAC + No POTW + US	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%)
Original Bio.	Lab (99%)	Lab (100%)	Lab (98%)			Lab (100%)	Lab (97%)	Lab (100%)	Lab (95%)	Steel (100%)		Lab (100%)	Steel (89%)	Steel (89%)	Steel (100%)
Decomm.															
Original 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%)
No GAC	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%)
No GAC + No POTW	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%)
No GAC + No POTW + RE	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%)
No GAC + No POTW + US	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%)
Original Bio.	Cement (60%)	Cement (90%)	Cement (95%)			Cement (79%)	Cement (60%)	Cement (82%)	Gas-Off (34%)	Gas-Pro (92%)		Cement (86%)	Cement (97%)	Cement (73%)	Cement (100%)
Total (All Levels)															
Original 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%)
No GAC	4 - Elec. Prod (55%)	4 - Elec. Trans (31%)	4 - Elec. Prod (84%)			4 - POTW (39%)	4 - GAC-R (47%)	4 - Elec. Prod (65%)	2 - HW-Disp (66%)	4 - Elec. Prod (44%)	3 - PVC (72%)	4 - POTW (43%)	4 - POTW (81%)	4 - POTW (77%)	3 - PVC (82%)
No GAC + No POTW	4 - Elec. Prod (65%)	4 - Elec. Trans (37%)	4 - Elec. Prod (86%)			4 - Elec. Prod (57%)	4 - GAC-R (60%)	4 - Elec. Prod (70%)	2 - HW-Disp (71%)	4 - Elec. Prod (46%)	3 - PVC (72%)	5 - Lab (41%)	4 - Elec. Prod (56%)	4 - Elec. Prod (54%)	3 - PVC (92%)
No GAC + No POTW + RE	4 - Elec. Prod (65%)	4 - Elec. Trans (37%)	4 - GAC-R (82%)			4 - GAC-R (47%)	4 - GAC-R (70%)	4 - GAC-R (81%)	2 - HW-Disp (90%)	3 - Steel (85%)	3 - PVC (72%)	5 - Lab (67%)	2 - HW-Disp (35%)	3 - Steel (33%)	3 - PVC (92%)
No GAC + No POTW + US	4 - Elec. Prod (65%)	4 - Elec. Trans (37%)	4 - Elec. Prod (58%)			4 - Elec. Prod (68%)	4 - GAC-R (50%)	4 - Elec. Prod (60%)	2 - HW-Disp (71%)	4 - Elec. Prod (44%)	3 - PVC (72%)	4 - Elec. Prod (86%)	4 - Elec. Prod (82%)	4 - Elec. Prod (74%)	3 - PVC (85%)

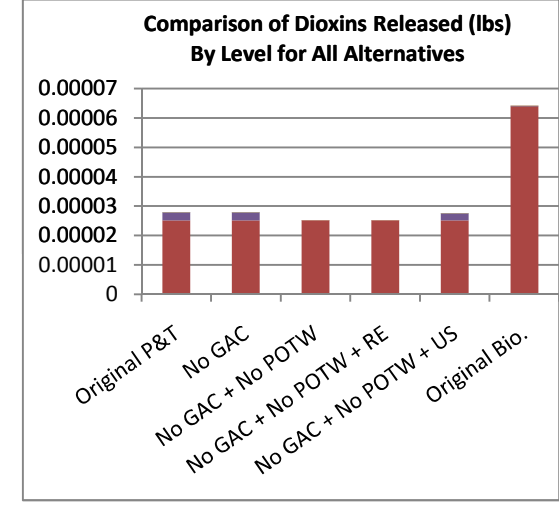
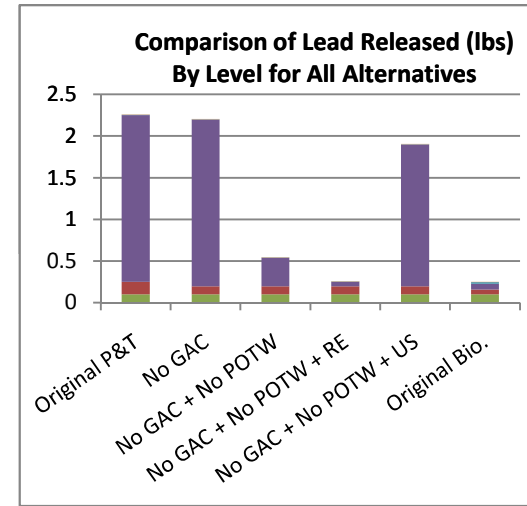
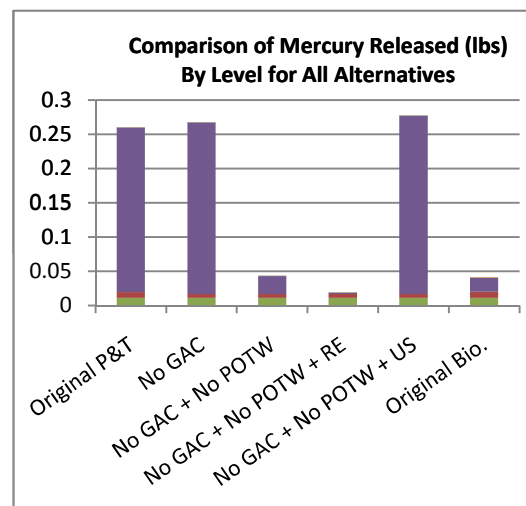
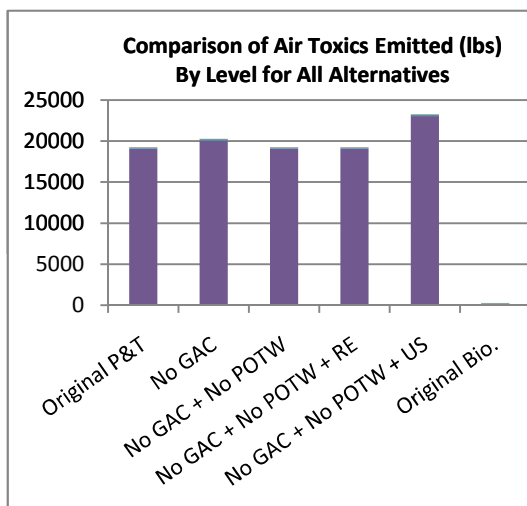
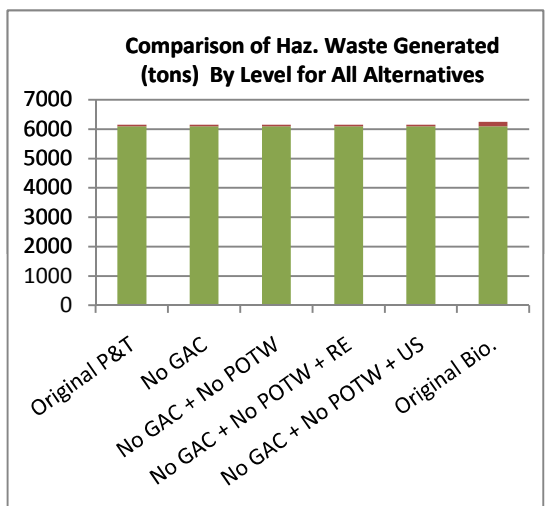
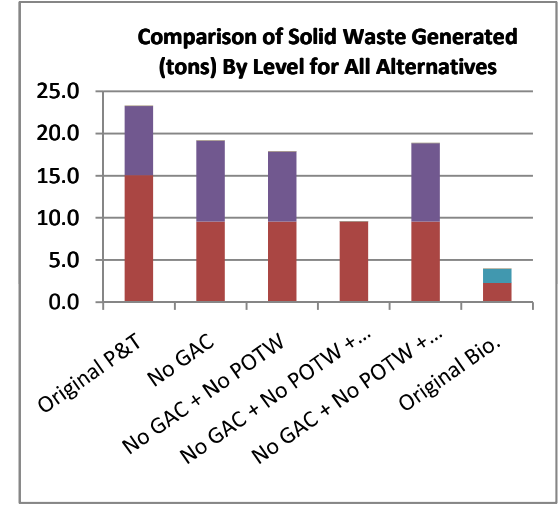
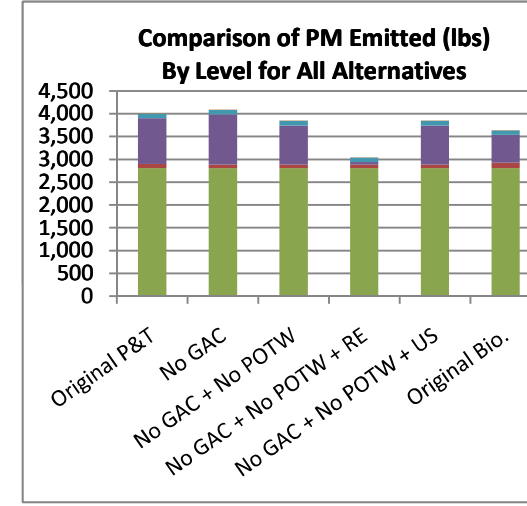
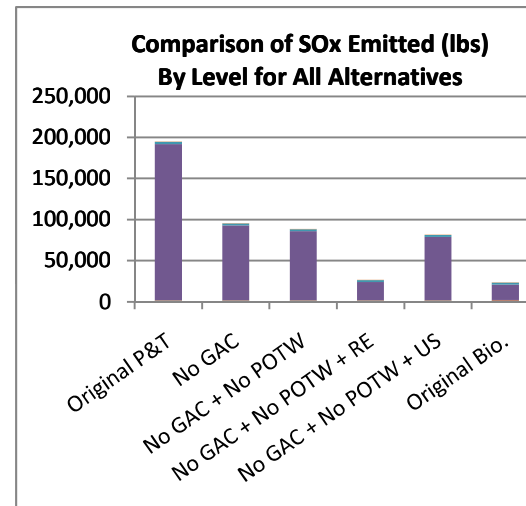
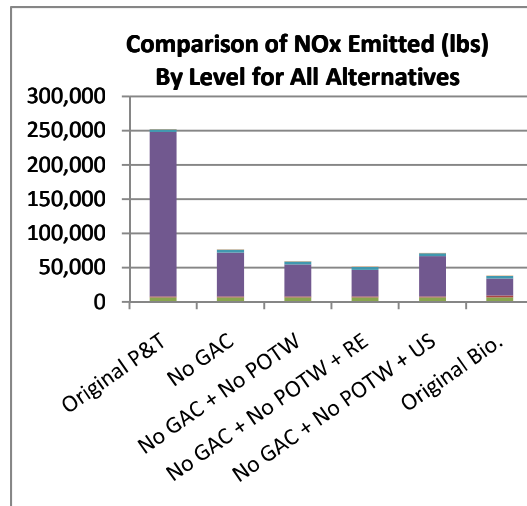
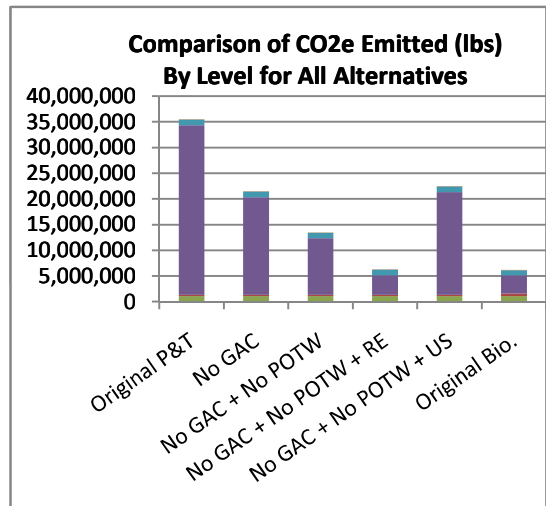
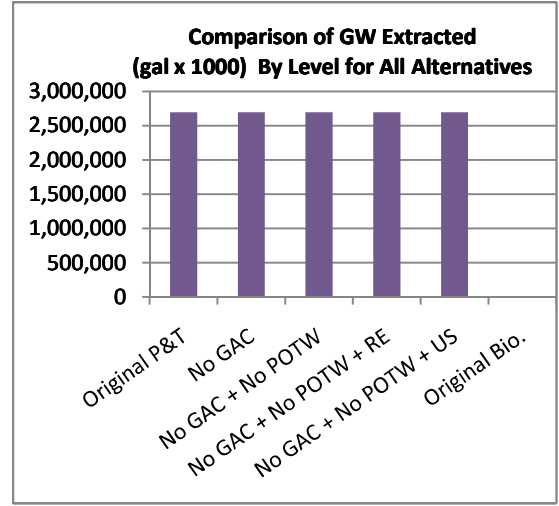
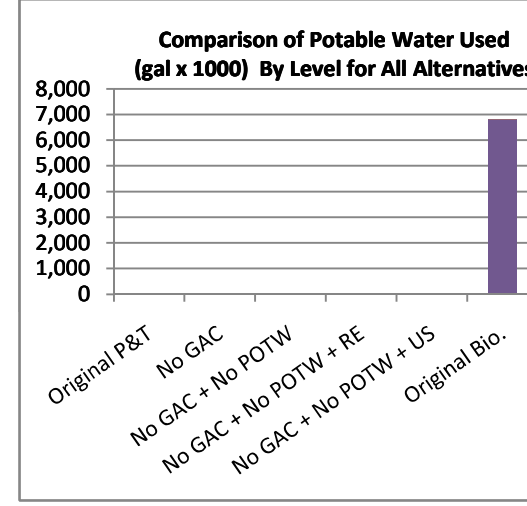
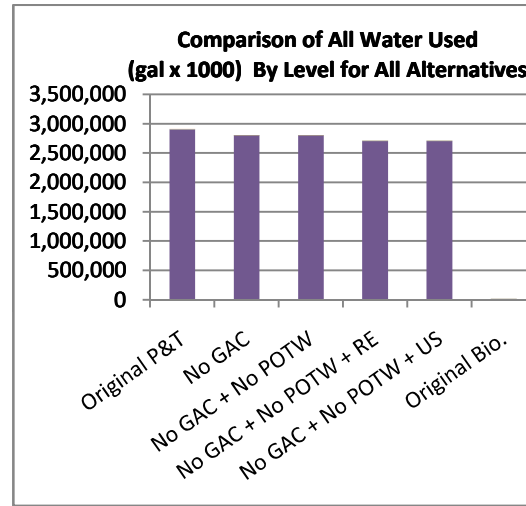
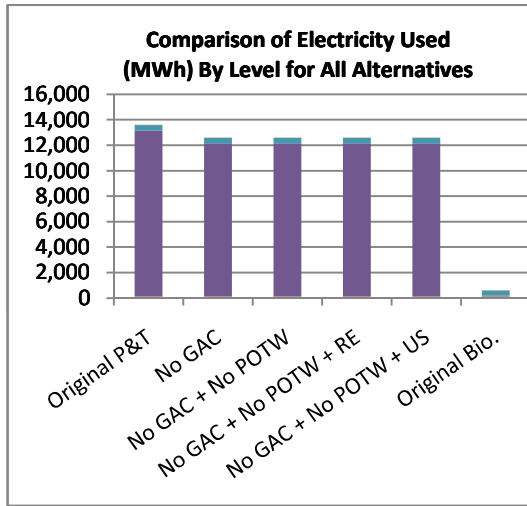
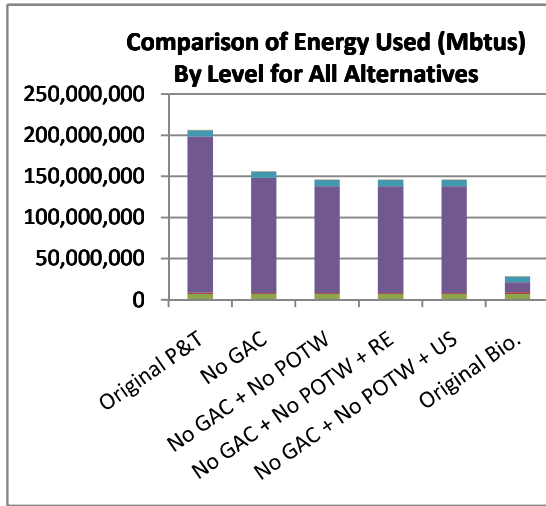
Note: The primary contributor to the footprint for a particular alternative and level is indicated by an abbreviation in addition to the percentage of the overall footprint that results from this primary contributor. For the total, the number preceding the abbreviation represents the level associated 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	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
Site Investigation															
Original 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%)
No GAC	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%)
No GAC + No POTW	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%)
No GAC + No POTW + RE	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%)
No GAC + No POTW + US	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%)
Original Bio.	Lab (87%)	Lab (100%)	Lab (97%)	PW Used (100%)		Lab (86%)	Lab (77%)	Lab (95%)	Lab (78%)	Diesel-Pro (63%)	HW-Gen (100%)	Lab (100%)	Cement (62%)	Diesel-Pro (53%)	Cement (72%)
Excavation															
Original 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%)
No GAC	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%)
No GAC + No POTW	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%)
No GAC + No POTW + RE	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%)
No GAC + No POTW + US	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%)
Original Bio.	Diesel-Off (61%)	HW-Disp (54%)	HW-Disp (56%)			Diesel-Off (59%)	Diesel-Off (73%)	HW-Disp (39%)	HW-Disp (96%)	HW-Disp (84%)	HW-Gen (100%)	HW-Disp (37%)	HW-Disp (60%)	HW-Disp (51%)	HW-Disp (93%)
Construction															
Original 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%)
No GAC	Diesel-On (40%)	Steel (38%)	PVC (25%)	PW Used (100%)	GW Ext (100%)	Diesel-On (34%)	Diesel-On (58%)	Diesel-Pro (20%)	HW-Disp (31%)	Steel (86%)	HW-Gen (100%)	Steel (27%)	Steel (55%)	Steel (85%)	PVC (92%)
No GAC + No POTW	Diesel-On (40%)	Steel (38%)	PVC (25%)	PW Used (100%)	GW Ext (100%)	Diesel-On (34%)	Diesel-On (58%)	Diesel-Pro (20%)	HW-Disp (31%)	Steel (86%)	HW-Gen (100%)	Steel (27%)	Steel (55%)	Steel (85%)	PVC (92%)
No GAC + No POTW + RE	Diesel-On (40%)	Steel (38%)	PVC (25%)	PW Used (100%)	GW Ext (100%)	Diesel-On (34%)	Diesel-On (58%)	Diesel-Pro (20%)	HW-Disp (31%)	Steel (86%)	HW-Gen (100%)	Steel (27%)	Steel (55%)	Steel (85%)	PVC (92%)
No GAC + No POTW + US	Diesel-On (40%)	Steel (38%)	PVC (25%)	PW Used (100%)	GW Ext (100%)	Diesel-On (34%)	Diesel-On (58%)	Diesel-Pro (20%)	HW-Disp (31%)	Steel (86%)	HW-Gen (100%)	Steel (27%)	Steel (55%)	Steel (85%)	PVC (92%)
Original Bio.	Diesel-On (50%)	Cement (33%)	PVC (36%)	PW Used (100%)	GW Ext (100%)	Diesel-On (41%)	Diesel-On (64%)	Cement (27%)	HW-Disp (55%)	Steel (100%)	HW-Gen (100%)	PVC (29%)	Cement (42%)	Steel (40%)	PVC (100%)
O&M															
Original 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%)
No GAC	Elec. Prod (51%)	Elec. Use (77%)	GW Ext (96%)		GW Ext (100%)	POTW (43%)	GAC-R (55%)	Elec. Prod (68%)	Elec. Prod (73%)	Elec. Prod (86%)		Proc. HAPs (95%)	POTW (88%)	POTW (85%)	POTW (96%)
No GAC + No POTW	Elec. Prod (55%)	Elec. Use (77%)	GW Ext (96%)		GW Ext (100%)	Elec. Prod (67%)	GAC-R (74%)	Elec. Prod (74%)	Elec. Prod (93%)	Elec. Prod (100%)		Proc. HAPs (100%)	Elec. Prod (92%)	Elec. Prod (85%)	Elec. Prod (99%)
No GAC + No POTW + RE	Elec. Prod (55%)	Elec. Use (77%)	GW Ext (100%)		GW Ext (100%)	GAC-R (74%)	GAC-R (90%)	GAC-R (95%)	Lab (35%)	Gas-Pro (86%)		Proc. HAPs (100%)	Gas-Pro (89%)	Gas-Pro (88%)	Gas-Pro (83%)
No GAC + No POTW + US	Elec. Prod (55%)	Elec. Use (77%)	GW Ext (100%)		GW Ext (100%)	Elec. Prod (75%)	GAC-R (59%)	Elec. Prod (64%)	Elec. Prod (84%)	Elec. Prod (89%)		Proc. HAPs (83%)	Elec. Prod (88%)	Elec. Prod (82%)	Elec. Prod (88%)
Original Bio.	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%)
LTM															
Original 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%)
No GAC	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%)
No GAC + No POTW	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%)
No GAC + No POTW + RE	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%)
No GAC + No POTW + US	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%)
Original Bio.	Lab (97%)	Lab (100%)	Lab (98%)			Lab (100%)	Lab (97%)	Lab (100%)	Lab (95%)	Steel (100%)		Lab (100%)	Steel (89%)	Steel (89%)	Steel (100%)
Decomm.															
Original 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%)
No GAC	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%)
No GAC + No POTW	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%)
No GAC + No POTW + RE	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%)
No GAC + No POTW + US	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%)
Original Bio.	Cement (55%)	Cement (90%)	Cement (73%)	PW Used (100%)		Cement (79%)	Cement (57%)	Cement (79%)	Gas-Off (30%)	Gas-Pro (92%)		Cement (85%)	Cement (97%)	Cement (73%)	Cement (100%)
Total (All Levels)															
Original 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%)
No GAC	4 - Elec. Prod (45%)	4 - Elec. Use (71%)	4 - GW Ext (96%)	3 - PW Used (73%)	4 - GW Ext (100%)	4 - POTW (39%)	4 - GAC-R (46%)	4 - Elec. Prod (65%)	2 - HW-Disp (66%)	4 - Elec. Prod (44%)	2 - HW-Gen (98%)	4 - Proc. HAPs (95%)	4 - POTW (81%)	4 - POTW (77%)	3 - PVC (82%)
No GAC + No POTW	4 - Elec. Prod (48%)	4 - Elec. Use (71%)	4 - GW Ext (96%)	3 - PW Used (73%)	4 - GW Ext (100%)	4 - Elec. Prod (57%)	4 - GAC-R (59%)	4 - Elec. Prod (70%)	2 - HW-Disp (71%)	4 - Elec. Prod (46%)	2 - HW-Gen (98%)	4 - Proc. HAPs (100%)	4 - Elec. Prod (56%)	4 - Elec. Prod (54%)	3 - PVC (92%)
No GAC + No POTW + RE	4 - Elec. Prod (48%)	4 - Elec. Use (71%)	4 - GW Ext (100%)	3 - PW Used (73%)	4 - GW Ext (100%)	4 - GAC-R (44%)	4 - GAC-R (69%)	4 - GAC-R (81%)	2 - HW-Disp (90%)	3 - Steel (85%)	2 - HW-Gen (98%)	4 - Proc. HAPs (100%)	2 - HW-Disp (35%)	3 - Steel (33%)	3 - PVC (92%)
No GAC + No POTW + US	4 - Elec. Prod (48%)	4 - Elec. Use (71%)	4 - GW Ext (100%)	3 - PW Used (73%)	4 - GW Ext (100%)	4 - Elec. Prod (68%)	4 - GAC-R (49%)	4 - Elec. Prod (60%)	2 - HW-Disp (71%)	4 - Elec. Prod (44%)	2 - HW-Gen (98%)	4 - Proc. HAPs (83%)	4 - Elec. Prod (82%)	4 - Elec. Prod (74%)	3 - PVC (85%)

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).

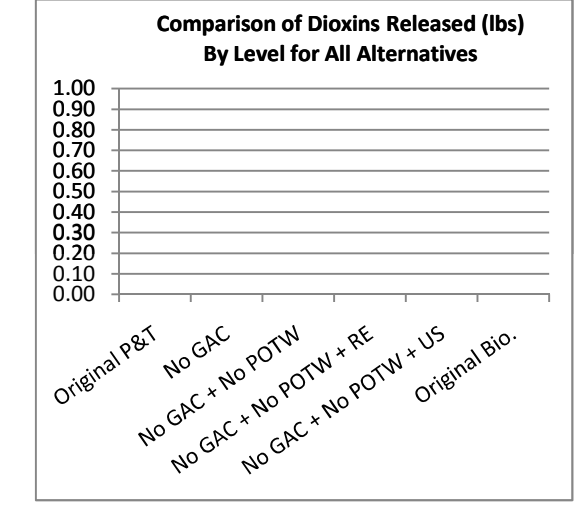
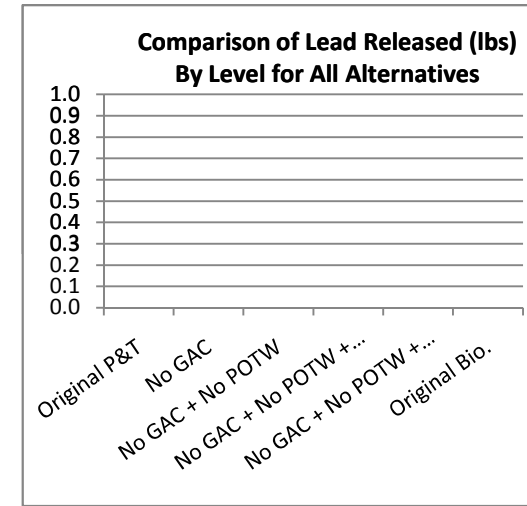
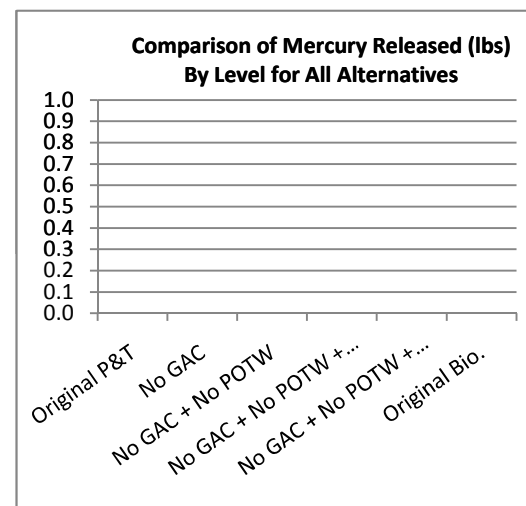
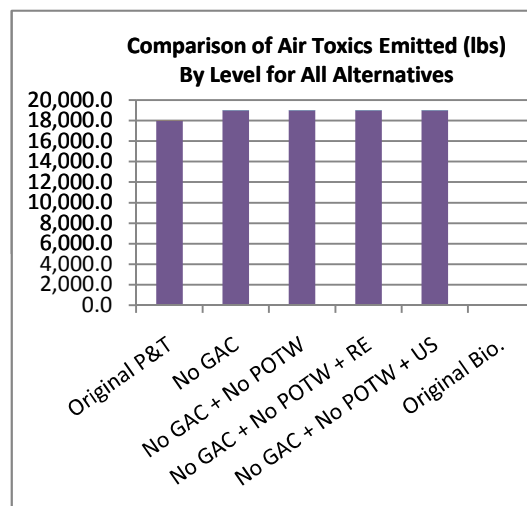
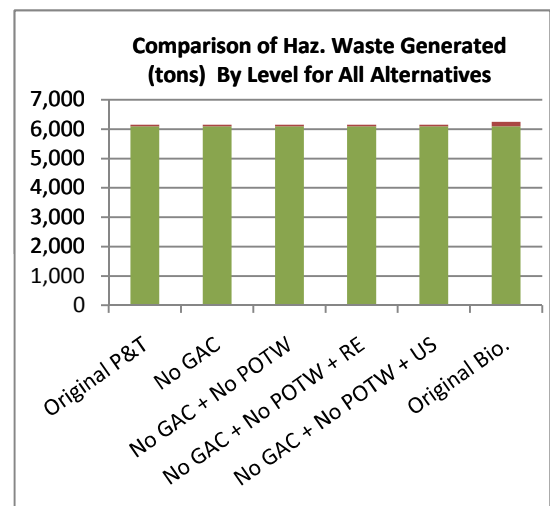
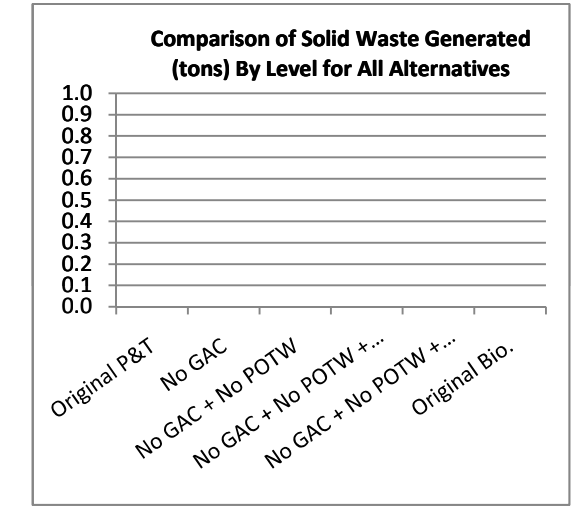
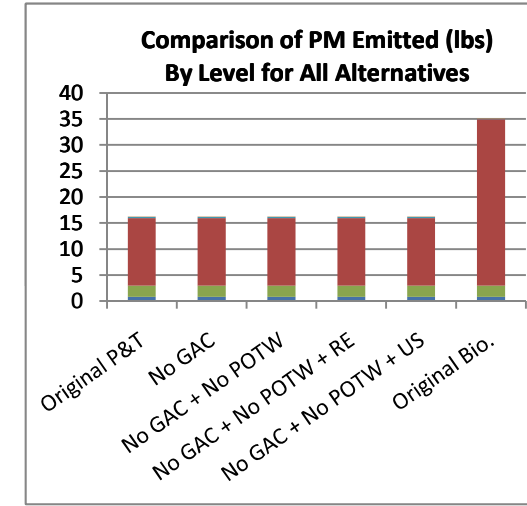
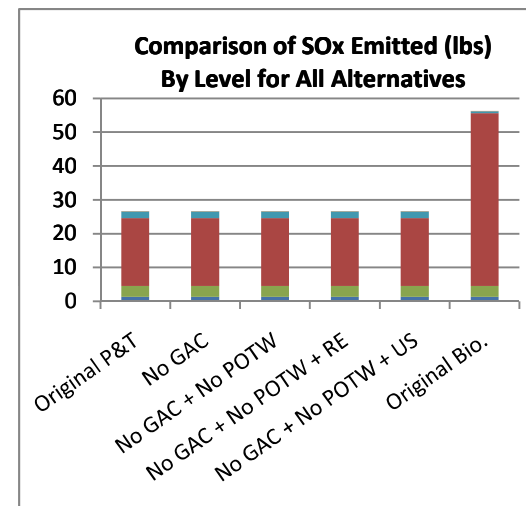
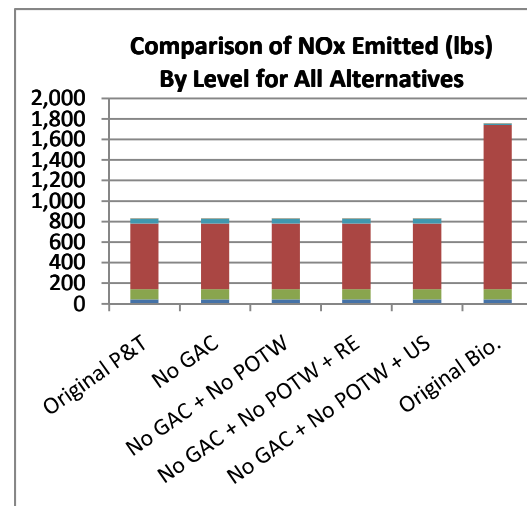
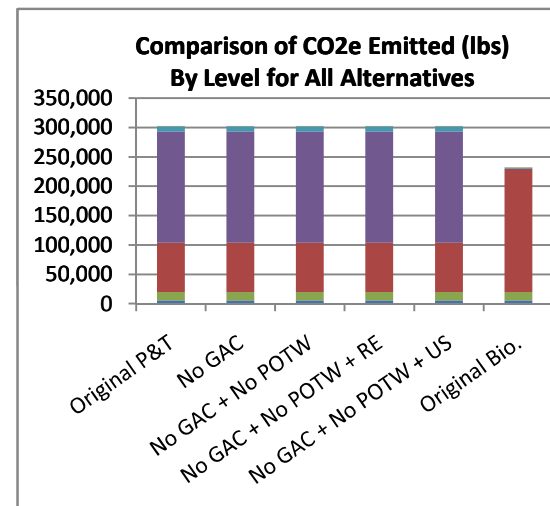
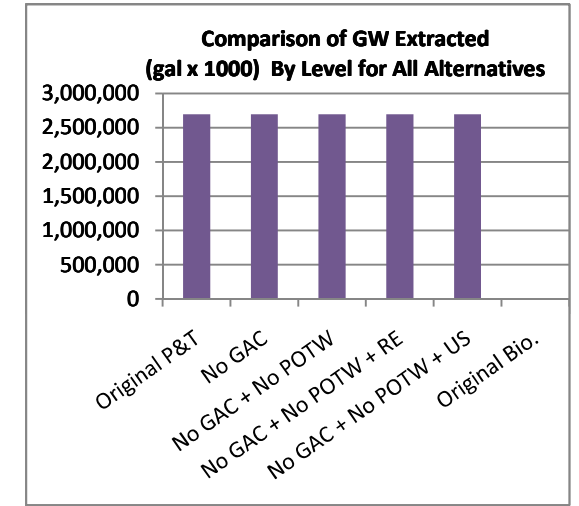
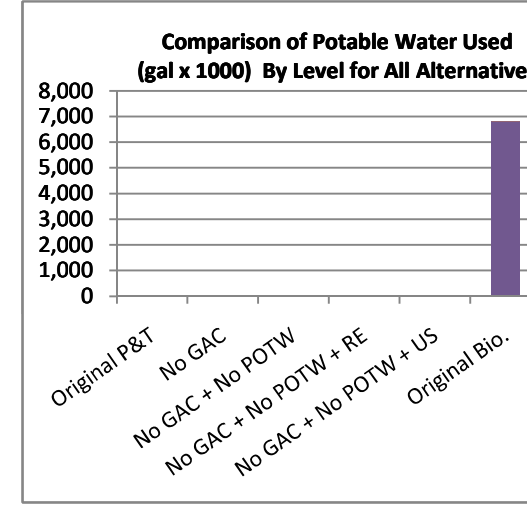
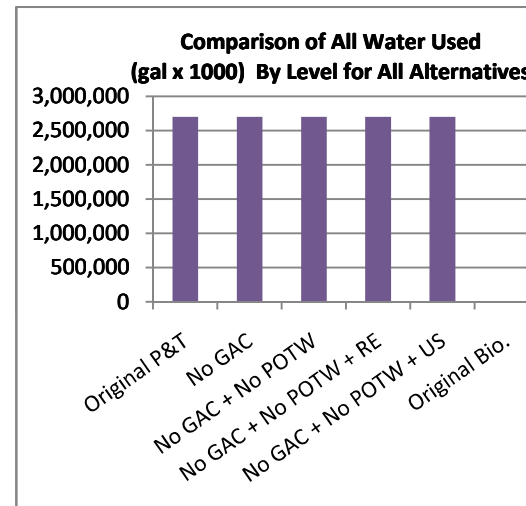
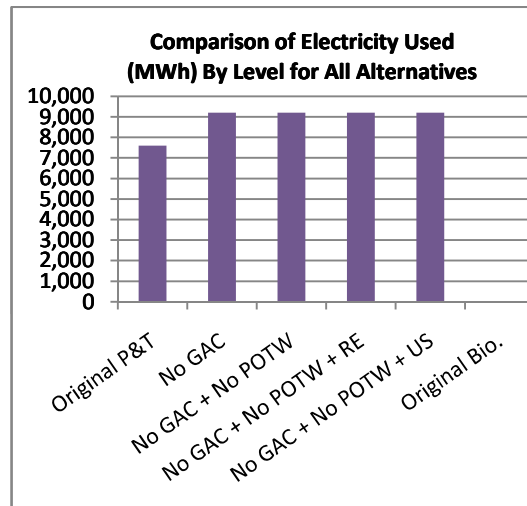
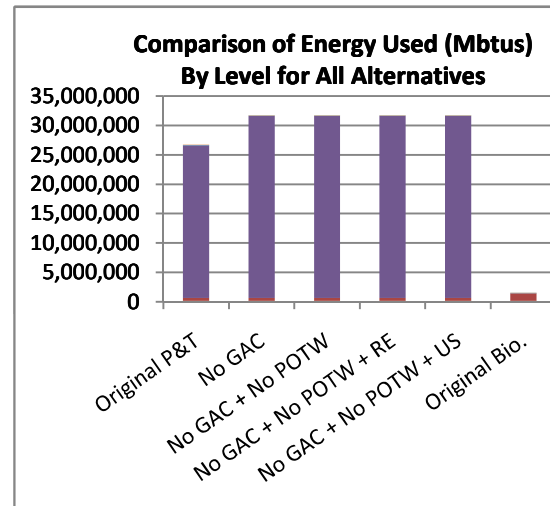
Romic, East Palo Alto, CA - P&T Sensitivity Analysis - Output by Parameter - Total (On-Site + Off-Site) Footprint

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



Romic, East Palo Alto, CA - P&T Sensitivity Analysis - Output by Parameter - On-Site Footprint

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



Alternative:

Alternative Name:

Path Name:

Main File Name:

Reference File Name:

Module File Name:

Alternative 4 v1

Original

Green Remediation Tool Main.xlsx

Green Remediation Tool Reference.xlsx

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 v1

	Abbreviation	Units	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Total
			Site Invest.	Excavation	Construction	O&M	LTM	Decomm.	
Energy									
Diesel (on-site)	Diesel-On	gal	248.192	614.5843	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 v1														
	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
	Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Level 1 - Site Invest.															
Energy	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 v1														
	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
	Used Mbtu	Used MWh	Used gal x 1000	Used gal x 1000	Extracted gal x 1000	Emitted lbs	Emitted lbs	Emitted lbs	Emitted lbs	Generated tons	Generated tons	Emitted lbs	Released lbs	Released lbs	Released lbs
Level 1 - Site Invest.															
Energy	29,000.	0	0	0	0	4,500.	29.	1.1	0.34	0	0	0.066	0	0	0
Materials	13,000.	0.38	0.72	0	0	3,000.	6.3	8.7	0.2	0.00018	0	0.11	0.000077	0.00092	0.00000000086
Waste/Services	530,000.	30.	34.	0	0	78,000.	270.	180.	7.5	0.000012	0	13.	0.0000014	0.000011	0.00000000018
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Site Invest. Total	570,000.	30.	35.	0	0	86,000.	310.	190.	8.	0.00019	0	13.	0.000078	0.00093	0.0000000001
Level 2 - Excavation															
Energy	3,700,000.	0	0	0	0	600,000.	4,500.	140.	90.	0	0	8.	0	0	0
Materials	1,100,000.	40.	820.	0	0	230,000.	600.	670.	34.	0.0098	0	7.1	0.0048	0.05	0.00000000064
Waste/Services	1,200,000.	56.	1,000.	0	0	180,000.	980.	530.	2,700.	0.054	0	11.	0.0066	0.051	0.00000000081
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Excavation Total	6,000,000.	96.	1,800.	0	0	1,000,000.	6,100.	1,300.	2,800.	0.064	0	26.	0.011	0.1	0.00000000087
Level 3 - Construction															
Energy	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	0.00000000066
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	0.00000000014
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 v1														
	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
	Used Mbtu	Used MWh	Used gal x 1000	Used gal x 1000	Extracted gal x 1000	Emitted lbs	Emitted lbs	Emitted lbs	Emitted lbs	Generated tons	Generated tons	Emitted lbs	Released lbs	Released lbs	Released lbs
Level 1 - Site Invest.															
Energy	63,000.	0	0	0	0	10,000.	71.	2.4	1.2	0	0	0.14	0	0	0
Materials	13,000.	0.38	1.2	0.5	0	3,000.	6.3	8.7	0.2	0.00018	0	0.11	0.000077	0.00092	0.00000000086
Waste/Services	530,000.	30.	34.	0	0	78,000.	270.	180.	7.5	0.000012	1.3	13.	0.0000014	0.000011	0.00000000018
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Site Invest. Total	610,000.	30.	35.	0.5	0	91,000.	350.	190.	8.9	0.00019	1.3	13.	0.000078	0.00093	0.0000000001
Level 2 - Excavation															
Energy	3,800,000.	0	0	0	0	610,000.	4,600.	140.	92.	0	0	8.2	0	0	0
Materials	1,100,000.	40.	820.	0	0	230,000.	600.	670.	34.	0.0098	0	7.1	0.0048	0.05	0.00000000064
Waste/Services	1,200,000.	56.	1,000.	0	0	180,000.	980.	530.	2,700.	0.054	6,100.	11.	0.0066	0.051	0.00000000081
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Excavation Total	6,100,000.	96.	1,800.	0	0	1,000,000.	6,200.	1,300.	2,800.	0.064	6,100.	26.	0.011	0.1	0.00000000087
Level 3 - Construction															
Energy	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	0.00000000066
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	0.00000000014
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 v1														
	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
	Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
	Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	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 v1														
	Energy Used	Electricity Used	All Water Used	Potable Water Used	Groundwater Extracted	CO2e Emitted	NO x Emitted	SO x Emitted	PM Emitted	Solid Waste Generated	Haz. Waste Generated	Air Toxics Emitted	Mercury Released	Lead Released	Dioxins Released
	Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Level 1 - Site Invest.															
Energy	<1%	0%	0%	0%	0%	<1%	<1%	<1%	<1%	0%	0%	<1%	0%	0%	0%
Materials	<1%	<1%	<1%	0%	0%	<1%	<1%	<1%	<1%	<1%	0%	<1%	<1%	<1%	<1%
Waste/Services	<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 v1														
	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
	Used Mbtu	Used MWh	Used gal x 1000	Used gal x 1000	Extracted gal x 1000	Emitted lbs	Emitted lbs	Emitted lbs	Emitted lbs	Generated tons	Generated tons	Emitted lbs	Released lbs	Released lbs	Released lbs
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%

		All Levels - Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 4 v1																														
Quantity Used	Conv. Factor	Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins		
		Used	Mbtu	Used	MWh	Used	gal x 1000	Used	gal x 1000	Used	Extracted	Used	Emitted	Used	Emitted	Used	Emitted	Used	Emitted	Used	Generated	Used	Generated	Used	Emitted	Used	Released	Used	Released	Used	Released	
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	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	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	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	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	
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	
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
On-site electricity use	MWh	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	
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	
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	
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	
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	
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	
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	
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	
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	
Concrete	tons	349.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bentonite	ton	0.3	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	
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	
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Diesel Produced	gal	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	
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	
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Groundwater Extracted On-site	gal x 1000	2733132	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	
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	
Potable Water Used	gal x 1000	3.768	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	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		
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	
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Hazardous Waste Generation	ton	6202.54	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	
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	
Waste and Other Services Subtotal				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	1	18,000.	0	0	0	0	0		
On-site process emissions (GHGs)	lbs CO2e	192000	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		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 v1																															
		Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins			
		Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Extracted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Generated	Conv. Factor	Generated	Conv. Factor	Emitted	Conv. Factor	Released	Conv. Factor	Released	Conv. Factor	Released
			Mbtu		MWh		gal x 1000		gal x 1000		gal x 1000		lbs		lbs		lbs		lbs		tons		tons		lbs		lbs		lbs		lbs		lbs
Totals			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	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	0		
Gasoline (off-site use)	gal	24081.2	124	2,942,000.	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	0.0003	7.271	0	0	0	0	0	0	0			
Natural gas (off-site use)	ccf	0	103	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0.29	0	0	0	0	0	0	0	0		
On-site electricity use	MWh	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	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	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	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	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	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	0.000000046		
Gravel/sand	ton	5636.7	55	310,640.	0.0027	15.032	0.13	731.5	0	0	0	6.7	38,078.	0.033	190.39	0.03	170.35	0.004	23.047	0	0	0	4E-07	0.0023048	6E-11	0.0000036075	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	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	0.00000002222		
Concrete	tons	349.2	793	280,000.	0.026	9.1	0.19	66.	0	0	0	335	120,000.	0.68	240.	0.41	140.	0.0044	1.5	3E-08	0.0000098	0	0	0.011	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	6.7	2.	0.033	0.0099	0.03	0.009	0.004	0.0012	0	0	0	4E-07	0.00000012	6E-11	0.00000000019	1E-09	0.00000000036	2E-16	0.00000000000045			
Regenerated GAC	lbs	8360000	9.6	80,000,000.	0.0004	3,700.	0.0064	54,000.	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	0.4	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	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	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	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	0.0000000171043		
Gasoline Produced	gal	24526.4	21	513,500.	0.0006	14.334	0.0008	19.18	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	0.000000007648		
Natural Gas Produced	ccf	0	5.2	0	0.0003	0	8E-05	0	0	0	0	2.2	0	0.0037	0	0.0046	0	7E-05	0	0	0	0	0	6E-06	0	2E-08	0	9E-07	0	5E-14	0		
Groundwater Extracted On-site	gal x 1000	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		
Potable Water Produced	gal x 1000	3.768	9.2	34.4	0.0004	0.00165	0.021	0.08	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	0.000000314	7E-08	0.000000249	1E-13	0.00000000000372		
Potable Water Transported	gal x 1000	3.768	7.4	27.6	0.0006	0.00246	0.0047	0.0179	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	3E-06	0.00001	4E-08	0.000000149	3E-14	0.00000000000111			
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		
Other On-Site Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Materials Subtotal			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	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		
Solid Waste Disposal	ton	0	160	0	0.0077	0	0.15	0	0	0	0	25	0	0.14	0	0.075	0	0.4	0	8E-06	0	0	0.0014	0	1E-06	0	8E-06	0	1E-11	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	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	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				

		All Levels - Total On-Site and Off-Site Parameters - Alternative 4 v1															
		Quantity Used	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
			Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
			Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Totals			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	0.00000066
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	0.00000066
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	0.0000037
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	0.000000046
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	0.0000036075	0.000006814	0.00000000008418
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	0.00000002222
Concrete	tons	349.2	280,000.	9.1	66.	0	0	120,000.	240.	140.	1.5	0.0000098	0	3.8	0.0035	0.0084	0.000000056
Bentonite	ton	0.3	17.	0.00081	0.039	0	0	2.	0.0099	0.009	0.0012	0	0	0.00000012	0.000000000019	0.000000000036	0.000000000000045
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	0.0000000171043
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	0.000000007648
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	0.00000000000372
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	0.00000000000111
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	0.000028
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

		Level 1 (Site Invest.) Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 4 v1																														
		Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins		
		Conv. Factor	Used Mbtu	Conv. Factor	Used MWh	Conv. Factor	Used gal x 1000	Conv. Factor	Used gal x 1000	Conv. Factor	Extracted gal x 1000	Conv. Factor	Emitted lbs	Conv. Factor	Emitted lbs	Conv. Factor	Emitted lbs	Conv. Factor	Emitted lbs	Conv. Factor	Generated tons	Conv. Factor	Generated tons	Conv. Factor	Emitted lbs	Conv. Factor	Released lbs	Conv. Factor	Released lbs	Conv. Factor	Released lbs	
Totals			34,000.		0		0.5		0.5		0		5,600.		42.		1.3		0.84		0		1.3		0.074		0		0		0	
Energy																																
Diesel (on-site)	gal	248.192	139	34,000.	0	0	0	0	0	0	0	22.5	5,600.	0.17	42.	0.0054	1.3	0.0034	0.84	0	0	0	0	0.0003	0.074	0	0	0	0	0	0	
Gasoline (on-site use)	gal	0	124	0	0	0	0	0	0	0	0	19.6	0	0.11	0	0.0045	0	0.0005	0	0	0	0	0	0.0003	0	0	0	0	0	0	0	
Natural gas (on-site use)	ccf	0	103	0	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0.29	0	0	0	0	0	0	0	
Diesel (off-site use)	gal	76.0376	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Gasoline (off-site use)	gal	143.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
On-site electricity use	MWh	0	3413	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Electricity transmission*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Electricity production*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Energy Subtotal			34,000.		0		0		0		0		5,600.		42.		1.3		0.84		0		1.3		0.074		0		0		0	
Materials																																
PVC	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	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	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	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	0
Other On-Site Water Used	gal x 1000	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials Subtotal			0		0		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	1	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Generation	ton	1.34	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	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		1.3		0		0		0		0		0	
Other																																
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Subtotal			0		0		0		0		0		0		0		0		0		0		0		0		0		0		0	

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

		Level 1 (Site Invest.) Total On-Site and Off-Site Parameters - Alternative 4 v1															
		Quantity Used	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
			Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
			Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Totals			610,000.	30.	35.	0.5	0	91,000.	350.	190.	8.9	0.00019	1.3	13.	0.000078	0.00093	0.000000001
Energy																	
Diesel (on-site)	gal	248.192	34,000.	0	0	0	0	5,600.	42.	1.3	0.84	0	0	0.074	0	0	0
Gasoline (on-site use)	gal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural gas (on-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel (off-site use)	gal	76.0376	11,000.	0	0	0	0	1,700.	13.	0.41	0.26	0	0	0.023	0	0	0
Gasoline (off-site use)	gal	143.2	18,000.	0	0	0	0	2,800.	16.	0.64	0.077	0	0	0.043	0	0	0
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site electricity use	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity transmission*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity production*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Energy Subtotal			63,000.	0	0	0	0	10,000.	71.	2.4	1.2	0	0	0.14	0	0	0
Materials																	
PVC	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gravel/sand	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cement Grout	dry-ton	0.85	3,500.	0.11	0.35	0	0	1,500.	3.1	1.8	0.0054	0	0	0.049	0.000048	0.00011	0.000000000072
Concrete	tons	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bentonite	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Produced	gal	324.2296	6,000.	0.19	0.25	0	0	880.	2.1	4.2	0.11	0.00012	0	0.039	0.000016	0.00049	0.000000000097
Gasoline Produced	gal	143.2	3,000.	0.084	0.11	0	0	630.	1.1	2.7	0.074	0.00006	0	0.023	0.000012	0.00032	0.000000000044
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Groundwater Extracted On-site	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Produced	gal x 1000	0.5	4.6	0.00022	0.011	0	0	2.5	0.0049	0.003	0.008	0.00000042	0	0.0000075	0.000000041	0.000000034	0.000000000005
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	0.0000000000015
Potable Water Used	gal x 1000	0.5	0	0	0.5	0.5	0	0	0	0	0	0	0	0	0	0	0
Other On-Site Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials Subtotal			13,000.	0.38	1.2	0.5	0	3,000.	6.3	8.7	0.2	0.00018	0	0.11	0.000077	0.00092	0.000000000086
Waste and Other Services																	
Off-site waste water treatment	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Generation	ton	1.34	0	0	0	0	0	0	0	0	0	0	1.3	0	0	0	0
Hazardous Waste Disposal	ton	1.34	240.	0.011	0.22	0	0	37.	0.21	0.11	0.59	0.000012	0	0.0021	0.0000014	0.000011	0.000000000018
Laboratory Analysis	\$	60220	530,000.	30.	34.	0	0	78,000.	270.	180.	6.9	0	0	13.	0	0	0
Waste and Other Services Subtotal			530,000.	30.	34.	0	0	78,000.	270.	180.	7.5	0.000012	1.3	13.	0.000014	0.000011	0.000000000018
Other																	
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Subtotal			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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

		Level 2 (Excavation) Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 4 v1																													
		Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
		Conv. Factor	Used Mbtu	Conv. Factor	Used MWh	Conv. Factor	Used gal x 1000	Conv. Factor	Used gal x 1000	Conv. Factor	Extracted gal x 1000	Conv. Factor	Emitted lbs	Conv. Factor	Emitted lbs	Conv. Factor	Emitted lbs	Conv. Factor	Emitted lbs	Conv. Factor	Generated tons	Conv. Factor	Generated tons	Conv. Factor	Emitted lbs	Conv. Factor	Released lbs	Conv. Factor	Released lbs	Conv. Factor	Released lbs
Totals			85,000.		0		0		0		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	22.5	14,000.	0.17	100.	0.0054	3.3	0.0034	2.1	0	0	0	0	0.0003	0.18	0	0	0	0	0		
Gasoline (on-site use)	gal	0	124	0	0	0	0	0	0	0	19.6	0	0.11	0	0.0045	0	0.0005	0	0	0	0	0	0.0003	0	0	0	0	0	0		
Natural gas (on-site use)	ccf	0	103	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0.29	0	0	0	0	0	0		
Diesel (off-site use)	gal	26422.54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
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		
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
On-site electricity use	MWh	0	3413	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Electricity transmission*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Electricity production*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Energy Subtotal			85,000.		0		0		0		14,000.		100.		3.3		2.1		0		6,100.		0.18		0		0		0		
Materials																															
PVC	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Gravel/sand	ton	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		
Cement Grout	dry-ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Concrete	tons	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		
Bentonite	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Diesel Produced	gal	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		
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		
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Groundwater Extracted On-site	gal x 1000	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Potable Water Produced	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Potable Water Transported	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Potable Water Used	gal x 1000	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Other On-Site Water Used	gal x 1000	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Materials Subtotal			0		0		0		0		0		0		0		0		0		0		0		0		0		0		
Waste and Other Services																															
Off-site waste water treatment	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0		
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Hazardous Waste Generation	ton	6148.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6,100.	0	0	0	0	0	0	0		
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		
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		
Waste and Other Services Subtotal			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	1	0	0	0	0	0	0		
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Other Subtotal			0		0		0		0		0		0		0		0		0		0		0		0		0		0		

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

		Level 2 (Excavation) Total On-Site and Off-Site Parameters - Alternative 4 v1															
		Quantity Used	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
			Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
			Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Totals			6,100,000.	96.	1,800.	0	0	1,000,000.	6,200.	1,300.	2,800.	0.064	6,100.	26.	0.011	0.1	0.000000087
Energy																	
Diesel (on-site)	gal	614.58432	85,000.	0	0	0	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	0.0000000000084
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	0.0000000081
Gasoline Produced	gal	307.2	6,500.	0.18	0.24	0	0	1,400.	2.5	5.8	0.16	0.00013	0	0.049	0.000026	0.00068	0.00000000095
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Groundwater Extracted On-site	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Produced	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Transported	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other On-Site Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials Subtotal			1,100,000.	40.	820.	0	0	230,000.	600.	670.	34.	0.0098	0	7.1	0.0048	0.05	0.000000064
Waste and Other Services																	
Off-site waste water treatment	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Generation	ton	6148.8	0	0	0	0	0	0	0	0	0	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 4 v1																														
		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				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	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	19.6	0	0.11	0	0.0045	0	0.0005	0	0	0	0	0	0.0003	0	0	0	0	0	0	0	
Natural gas (on-site use)	ccf	0	103	0	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0.29	0	0	0	0	0	0	0	
Diesel (off-site use)	gal	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	
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	
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
On-site electricity use	MWh	0	3413	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Electricity transmission*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Electricity production*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Energy Subtotal				520,000.		0		15.		2.7		12.		84,000.		640.		20.		13.		0		52.		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	
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	
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	
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	
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	
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	
Concrete	tons	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bentonite	ton	0.3	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	
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Diesel Produced	gal	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	
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	
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Groundwater Extracted On-site	gal x 1000	12	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	
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	
Potable Water Used	gal x 1000	2.745	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	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	
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Hazardous Waste Generation	ton	52.4	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	
Laboratory Analysis	\$	1400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Waste and Other Services Subtotal				0		0		0		0		0		0		0		0		0		52.		0		0		0		0		0
Other																																
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0		
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Other Subtotal				0		0		0		0		0		0		0		0		0		0		0		0		0		0		0

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

		Level 3 (Construction) Total On-Site and Off-Site Parameters - Alternative 4 v1															
		Quantity Used	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
			Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
	Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	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	0.0000037
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	0.000000046
Gravel/sand	ton	11.7	640.	0.032	1.5	0	0	78.	0.39	0.35	0.047	0	0	0.0000048	0.0000000075	0.000000014	0.000000000000018
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	0.00000000018
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	0.0000012	0.0000000000019	0.0000000000036	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	0.00000000014
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	0.000000018	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	0.0000073	0.000000011	0.000000000000081	
Potable Water Used	gal x 1000	2.745	0	0	2.7	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			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

		Level 4 (O&M) Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 4 v1																															
		Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins			
		Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Extracted	Conv. Factor	Emitted	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		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	22.5	0	0.17	0	0.0054	0	0.0034	0	0	0	0	0	0	0.0003	0	0	0	0	0	0		
Gasoline (on-site use)	gal	0	124	0	0	0	0	0	0	0	0	19.6	0	0.11	0	0.0045	0	0.0005	0	0	0	0	0	0	0.0003	0	0	0	0	0	0		
Natural gas (on-site use)	ccf	0	103	0	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0	0.29	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		
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		
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
On-site electricity use	MWh	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		
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		
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		
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		
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Gravel/sand	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Cement Grout	dry-ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Concrete	tons	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Bentonite	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Regenerated GAC	lbs	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		
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Diesel Produced	gal	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		
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		
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Groundwater Extracted On-site	gal x 1000	2733120	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		
Potable Water Transported	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Potable Water Used	gal x 1000	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Other On-Site Water Used	gal x 1000	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Materials Subtotal			0		0		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		
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Hazardous Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Hazardous Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Laboratory Analysis	\$	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		
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		
On-site process emissions (GHGs)	lbs CO2e	192000	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) Total On-Site and Off-Site Parameters - Alternative 4 v1															
			Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins	
			Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released	
		Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	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	560,000.	4,300.	140.	85.	0	0	7.5	0	0	0	0	
Gasoline (off-site use)	gal	20512	2,500,000.	0	0	0	400,000.	2,300.	92.	11.	0	0	6.2	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	
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	6,100,000.	6,400.	51,000.	660.	6.9	0	130.	0.02	0.24	0.00000066		
Energy Subtotal			94,000,000.	9,000.	56,000.	0	7,100,000.	13,000.	51,000.	760.	6.9	0	140.	0.02	0.24	0.00000066		
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	17,000,000.	210,000.	130,000.	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	25080	460,000.	15.	19.	0	68,000.	160.	330.	8.5	0.009	0	3.	0.0012	0.038	0.0000000075		
Gasoline Produced	gal	20512	430,000.	12.	16.	0	90,000.	160.	390.	11.	0.0086	0	3.3	0.0017	0.045	0.0000000064		
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	0.000000014	
Waste and Other Services																		
Off-site waste water treatment	gal x 1000	2733120	10,000,000.	490.	2,300.	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	220,000.	780.	520.	20.	0	0	36.	0	0	0	0	
Waste and Other Services Subtotal			12,000,000.	580.	2,400.	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	18,000.	0	0	0	0	
On-site process emissions (GHGs)	lbs CO2e	192000	0	0	0	0	190,000.	0	0	0	0	0	0	0	0	0	0	
Other Subtotal			0	0	0	0	190,000.	0	0	0	0	0	18,000.	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 4 v1																															
		Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins			
		Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Extracted	Conv. Factor	Emitted	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		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	22.5	0	0.17	0	0.0054	0	0.0034	0	0	0	0	0	0	0.0003	0	0	0	0	0	0		
Gasoline (on-site use)	gal	445.2	124	55,000.	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	0.0003	0.13	0	0	0	0	0			
Natural gas (on-site use)	ccf	0	103	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0	0.29	0	0	0	0	0	0			
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			
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			
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
On-site electricity use	MWh	0	3413	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Electricity transmission*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Electricity production*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Energy Subtotal			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			
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Gravel/sand	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Cement Grout	dry-ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Concrete	tons	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Bentonite	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Diesel Produced	gal	0	0	0	0	0	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			
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Groundwater Extracted On-site	gal x 1000	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Potable Water Produced	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Potable Water Transported	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Potable Water Used	gal x 1000	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Other On-Site Water Used	gal x 1000	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Materials Subtotal			0		0		0		0		0		0		0		0		0		0		0		0		0		0		0		
Waste and Other Services																																	
Off-site waste water treatment	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0			
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Hazardous Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0			
Hazardous Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Laboratory Analysis	\$	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			
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			
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Other Subtotal			0		0		0		0		0		0		0		0		0		0		0		0		0		0		0		

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

		Quantity Used	Level 5 (LTM) Total On-Site and Off-Site Parameters - Alternative 4 v1														
			Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
			Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
		Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	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

		Level 6 (Decomm.) Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 4 v1																															
		Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins			
		Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Extracted	Conv. Factor	Emitted	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		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	22.5	500.	0.17	3.8	0.0054	0.12	0.0034	0.076	0	0	0	0	0	0.0003	0.0067	0	0	0	0	0		
Gasoline (on-site use)	gal	0	124	0	0	0	0	0	0	0	0	19.6	0	0.11	0	0.0045	0	0.0005	0	0	0	0	0	0	0.0003	0	0	0	0	0	0		
Natural gas (on-site use)	ccf	0	103	0	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0	0.29	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			
Gasoline (off-site use)	gal	288	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
On-site electricity use	MWh	0	3413	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Electricity transmission*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Electricity production*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Energy Subtotal			3,100.		0		0		0		0		500.		3.8		0.12		0.076		0		0		0.0067		0		0		0		
Materials																																	
PVC	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Gravel/sand	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Cement Grout	dry-ton	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			
Concrete	tons	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Bentonite	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Diesel Produced	gal	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			
Gasoline Produced	gal	288	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Groundwater Extracted On-site	gal x 1000	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Potable Water Produced	gal x 1000	0.523	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			
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			
Potable Water Used	gal x 1000	0.523	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			
Other On-Site Water Used	gal x 1000	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Materials Subtotal			0		0		0.52		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			
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			
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Hazardous Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Hazardous Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Laboratory Analysis	\$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Waste and Other Services Subtotal			0		0		0		0		0		0		0		0		0		0		0		0		0		0		0		
Other																																	
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
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 4 v1																													
		Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
		Conv. Factor	Used Mbtu	Conv. Factor	Used MWh	Conv. Factor	Used gal x 1000	Conv. Factor	Used gal x 1000	Conv. Factor	Extracted gal x 1000	Conv. Factor	Emitted lbs	Conv. Factor	Emitted lbs	Conv. Factor	Emitted lbs	Conv. Factor	Emitted lbs	Conv. Factor	Generated tons	Conv. Factor	Generated tons	Conv. Factor	Emitted lbs	Conv. Factor	Released lbs	Conv. Factor	Released lbs	Conv. Factor	Released lbs
Totals			59,000.		0.71		2.		0		0		14,000.		49.		15.		0.36		0.00013		0		0.38		0.00026		0.0012		0.0000000036
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	
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	
Natural gas (on-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Diesel (off-site use)	gal	2.05	139	280.	0	0	0	0	0	0	22.5	46.	0.17	0.35	0.0054	0.011	0.0034	0.007	0	0	0	0.0003	0.00062	0	0	0	0	0	0	0	
Gasoline (off-site use)	gal	288	124	36,000.	0	0	0	0	0	0	19.6	5,600.	0.11	32.	0.0045	1.3	0.0005	0.16	0	0	0.0003	0.086	0	0	0	0	0	0	0	0	
Natural gas (off-site use)	ccf	0	103	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0.29	0	0	0	0	0	0	0	0	
On-site electricity use	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Electricity transmission*	MWh	0	410	0	0.12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Electricity production*	MWh	0	7800	0	0.06	0	7.3	0	0	0	800	0	0.84	0	6.7	0	0.087	0.0009	0	0	0	0.017	0	3E-06	0	3E-05	0	9E-12	0		
Energy Subtotal			36,000.		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	4.1	0	0.0048	0	0.0076	0	0.0012	0	2E-06	0	2E-06	0	0.0005	0	3E-07	0	1E-07	0	7E-09	0	
HDPE	lb	0	31	0	0.0003	0	0.0023	0	0	0	1.9	0	0.0032	0	0.0041	0	0.0006	0	4E-07	0	1E-06	0	3E-06	0	3E-09	0	2E-09	0	1E-09	0	
Steel	lb	0	4.4	0	0.0002	0	0.0006	0	0	0	1.1	0	0.0014	0	0.0017	0	0.0006	0	0.0017	0	0	0	7E-05	0	1E-07	0	3E-06	0	7E-12	0	
Stainless Steel	lb	0	11.6	0	0.0006	0	0.0023	0	0	0	3.4	0	0.0075	0	0.012	0	0.0044	0	0.0006	0	0	0	0.0001	0	0	0	5E-07	0	2E-12	0	
Gravel/sand	ton	0	55	0	0.0027	0	0.13	0	0	0	6.7	0	0.033	0	0.03	0	0.004	0	0	0	0	0	4E-07	0	6E-11	0	1E-09	0	2E-16	0	
Cement Grout	dry-ton	4.1	4100	17,000.	0.13	0.53	0.41	1.7	0	0	1800	7,400.	3.6	15.	2.1	8.6	0.0063	0.026	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	335	0	0.68	0	0.41	0	0.0044	0	3E-08	0	0	0	0.011	0	1E-05	0	2E-05	0	2E-11	0	
Bentonite	ton	0	55	0	0.0027	0	0.13	0	0	0	6.7	0	0.033	0	0.03	0	0.004	0	0	0	0	0	4E-07	0	6E-11	0	1E-09	0	2E-16	0	
Regenerated GAC	lbs	0	9.6	0	0.0004	0	0.0064	0	0	0	2	0	0.025	0	0.015	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bioinjection (Molasses)	lbs	0	1.31	0	5E-06	0	9E-05	0	0	0	0.4	0	0.003	0	0.0026	0	6E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bioinjection (Cheese Whey)	lbs	0	1.87	0	0	0	0	0	0	0	1.1	0	0.0083	0	0.0099	0	0.0002	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bioinjection (Vegetable Oil)	lbs	0	3.6	0	6E-05	0	2E-05	0	0	0	3.51	0	0.0265	0	0.031	0	0.0017	0	0	0	0	0	0	0	0	0	0	0	0	0	
Diesel Produced	gal	24.45	18.5	450.	0.0006	0.014	0.0008	0.019	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	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	2.2	0	0.0037	0	0.0046	0	7E-05	0	0	0	0	0	6E-06	0	2E-08	0	9E-07	0	5E-14	0	
Groundwater Extracted On-site	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Potable Water Produced	gal x 1000	0.523	9.2	4.8	0.0004	0.00023	0.021	0.011	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	0.000000043	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	0.5168	0.27	0.0005	0.00028	0.0043	0.0023	6E-05	0.000029	6E-07	0.0000003	0	0	0	3E-06	0.0000014	4E-08	0.00000002	3E-14	0.00000000000015		
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	
Other On-Site Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Materials Subtotal			23,000.		0.71		2.		0		8,800.		17.		14.		0.19		0.00013		0		0.29		0.00026		0.0012		0.0000000036		
Waste and Other Services																															
Off-site waste water treatment	gal x 1000	0	3.7	0	0.0002	0	0.0008	0	0	0	3	0	0.0061	0	0.0029	0	8E-05	0	5E-07	0	0	0	0.0001	0	8E-08	0	6E-07	0	1E-12	0	
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Solid Waste Disposal	ton	0	160	0	0.0077	0	0.15	0	0	0	25	0	0.14	0	0.075	0	0.4	0	8E-06	0	0	0	0.0014	0	1E-06	0	8E-06	0	1E-11	0	
Hazardous Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Hazardous Waste Disposal	ton	0	176	0	0.0085	0	0.165	0	0	0	27.5	0	0.154	0	0.0825	0	0.44	0	9E-06	0	0	0	0.0015	0	1E-06	0	8E-06	0	1E-11	0	
Laboratory Analysis	\$	0	8.8	0	0.0005	0	0.0006	0	0	0	1.3	0	0.0045	0	0.003	0	0.0001	0	0	0	0	0	0.0002	0	0	0	0	0	0	0	
Waste and Other Services Subtotal			0		0		0		0		0		0		0		0		0		0		0		0		0		0	0	
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	
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	
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.) Total On-Site and Off-Site Parameters - Alternative 4 v1															
		Energy		Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
		Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released	
		Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	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	0.0000000000073
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	0.000000043	0.000000035	0.0000000000052
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	0.0000014	0.00000002	0.0000000000015	
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

Alternative:
Alternative Name:
Path Name:
Main File Name:
Reference File Name:
Module File Name:

Alternative 4 v2
No GAC

Green Remediation Tool Main.xlsx
Green Remediation Tool Reference.xlsx
alternative 4 v2 inventory modules.xlsx

Variables In Alternative:

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

Usage Input - Alternative 4 v2

	Abbreviation	Units	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Total
			Site Invest.	Excavation	Construction	O&M	LTM	Decomm.	
Energy									
Diesel (on-site)	Diesel-On	gal	248.192	614.5843	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	642.355	4200	0	2.05	31342.98
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	9196.24	0	0	9196.24
Electricity transmission*	Elec. Trans	MWh	0	0	0	9196.24	0	0	9196.24
Electricity production*	Elec. Prod	MWh	0	0	0	9196.24	0	0	9196.24
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	32910	0	0	0	32910
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	1400000	0	0	1400000
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	4396.595	4200	0	24.45	35982.4
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	18880	0	0	18880
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 v2														
	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
	Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Level 1 - Site Invest.															
Energy	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	31,000,000.	9,200.	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	19,000.	0	0	0
O&M Total	31,000,000.	9,200.	2,700,000.	0	2,700,000.	190,000.	0	0	0	0	0	19,000.	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	32,000,000.	9,200.	2,700,000.	3.7	2,700,000.	300,000.	830.	27.	16.	0	6,200.	19,000.	0	0	0

	Totals For Parameters Used, Extracted, Emitted, or Generated Off-Site - Alternative 4 v2														
	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
	Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Level 1 - Site Invest.															
Energy	29,000.	0	0	0	0	4,500.	29.	1.1	0.34	0	0	0.066	0	0	0
Materials	13,000.	0.38	0.72	0	0	3,000.	6.3	8.7	0.2	0.00018	0	0.11	0.000077	0.00092	0.00000000086
Waste/Services	530,000.	30.	34.	0	0	78,000.	270.	180.	7.5	0.000012	0	13.	0.0000014	0.000011	0.00000000018
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Site Invest. Total	570,000.	30.	35.	0	0	86,000.	310.	190.	8.	0.00019	0	13.	0.000078	0.00093	0.0000000001
Level 2 - Excavation															
Energy	3,700,000.	0	0	0	0	600,000.	4,500.	140.	90.	0	0	8.	0	0	0
Materials	1,100,000.	40.	820.	0	0	230,000.	600.	670.	34.	0.0098	0	7.1	0.0048	0.05	0.00000000064
Waste/Services	1,200,000.	56.	1,000.	0	0	180,000.	980.	530.	2,700.	0.054	0	11.	0.0066	0.051	0.00000000081
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Excavation Total	6,000,000.	96.	1,800.	0	0	1,000,000.	6,100.	1,300.	2,800.	0.064	0	26.	0.011	0.1	0.00000000087
Level 3 - Construction															
Energy	260,000.	0	0	0	0	41,000.	260.	9.6	2.9	0	0	0.6	0	0	0
Materials	500,000.	17.	68.	0	0	120,000.	200.	240.	35.	9.5	0.0072	6.	0.0059	0.096	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	780,000.	18.	77.	0	0	160,000.	470.	260.	61.	9.5	0.0072	7.	0.006	0.096	0.000025
Level 4 - O&M															
Energy	79,000,000.	1,700.	67,000.	0	0	7,900,000.	11,000.	62,000.	830.	8.3	0	170.	0.024	0.29	0.000000079
Materials	14,000,000.	630.	9,000.	0	0	2,900,000.	35,000.	21,000.	12.	0.01	0	3.8	0.0019	0.051	0.00000000077
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	110,000,000.	2,900.	78,000.	0	0	19,000,000.	64,000.	91,000.	1,100.	9.6	0	540.	0.25	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	130,000,000.	3,500.	80,000.	0	0	21,000,000.	75,000.	95,000.	4,100.	19.	0.0072	770.	0.27	2.2	0.000028

	Totals for On-Site and Off-Site Parameters - Alternative 4 v2														
	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
	Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Level 1 - Site Invest.															
Energy	63,000.	0	0	0	0	10,000.	71.	2.4	1.2	0	0	0.14	0	0	0
Materials	13,000.	0.38	1.2	0.5	0	3,000.	6.3	8.7	0.2	0.00018	0	0.11	0.000077	0.00092	0.00000000086
Waste/Services	530,000.	30.	34.	0	0	78,000.	270.	180.	7.5	0.000012	1.3	13.	0.0000014	0.000011	0.00000000018
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Site Invest. Total	610,000.	30.	35.	0.5	0	91,000.	350.	190.	8.9	0.00019	1.3	13.	0.000078	0.00093	0.0000000001
Level 2 - Excavation															
Energy	3,800,000.	0	0	0	0	610,000.	4,600.	140.	92.	0	0	8.2	0	0	0
Materials	1,100,000.	40.	820.	0	0	230,000.	600.	670.	34.	0.0098	0	7.1	0.0048	0.05	0.00000000064
Waste/Services	1,200,000.	56.	1,000.	0	0	180,000.	980.	530.	2,700.	0.054	6,100.	11.	0.0066	0.051	0.00000000081
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Excavation Total	6,100,000.	96.	1,800.	0	0	1,000,000.	6,200.	1,300.	2,800.	0.064	6,100.	26.	0.011	0.1	0.00000000087
Level 3 - Construction															
Energy	780,000.	0	0	0	0	130,000.	900.	30.	16.	0	0	1.7	0	0	0
Materials	500,000.	17.	83.	2.7	12.	120,000.	200.	240.	35.	9.5	0.0072	6.	0.0059	0.096	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	1,300,000.	18.	92.	2.7	12.	250,000.	1,100.	280.	74.	9.5	52.	8.1	0.006	0.096	0.000025
Level 4 - O&M															
Energy	110,000,000.	11,000.	67,000.	0	0	7,900,000.	11,000.	62,000.	830.	8.3	0	170.	0.024	0.29	0.000000079
Materials	14,000,000.	630.	2,700,000.	0	2,700,000.	2,900,000.	35,000.	21,000.	12.	0.01	0	3.8	0.0019	0.051	0.00000000077
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	19,000.	0	0	0
O&M Total	140,000,000.	12,000.	2,800,000.	0	2,700,000.	19,000,000.	64,000.	91,000.	1,100.	9.6	0	20,000.	0.25	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	160,000,000.	13,000.	2,800,000.	3.7	2,700,000.	21,000,000.	76,000.	95,000.	4,100.	19.	6,200.	20,000.	0.27	2.2	0.000028

	Percentages For Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 4 v2														
	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
	Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Level 1 - Site Invest.															
Energy	<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	98%	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	98%	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 v2															
	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins	
	Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released	
Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs	
Level 1 - Site Invest.																
Energy	<1%	0%	0%	0%	0%	<1%	<1%	<1%	<1%	0%	0%	<1%	0%	0%	0%	0%
Materials	<1%	<1%	<1%	0%	0%	<1%	<1%	<1%	<1%	<1%	0%	<1%	<1%	<1%	<1%	<1%
Waste/Services	<1%	<1%	<1%	0%	0%	<1%	<1%	<1%	<1%	<1%	0%	2%	<1%	<1%	<1%	<1%
Other	0%	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%	<1%
Level 2 - Excavation																
Energy	3%	0%	0%	0%	0%	3%	6%	<1%	2%	0%	0%	1%	0%	0%	0%	0%
Materials	<1%	1%	1%	0%	0%	1%	<1%	<1%	<1%	<1%	0%	<1%	2%	2%	2%	<1%
Waste/Services	<1%	2%	1%	0%	0%	<1%	1%	<1%	66%	<1%	0%	1%	2%	2%	2%	<1%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Excavation Total	3%	3%	2%	0%	0%	4%	7%	0%	69%	<1%	0%	2%	4%	5%	<1%	<1%
Level 3 - Construction																
Energy	<1%	0%	0%	0%	0%	<1%	<1%	<1%	<1%	0%	0%	<1%	0%	0%	0%	0%
Materials	<1%	<1%	<1%	0%	0%	<1%	<1%	<1%	<1%	50%	100%	<1%	2%	4%	90%	90%
Waste/Services	<1%	<1%	<1%	0%	0%	<1%	<1%	<1%	<1%	<1%	0%	<1%	<1%	<1%	<1%	<1%
Other	0%	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%	0%	50%	100%	<1%	2%	4%	90%	90%
Level 4 - O&M																
Energy	63%	49%	83%	0%	0%	37%	15%	65%	20%	43%	0%	22%	9%	13%	<1%	<1%
Materials	11%	18%	11%	0%	0%	14%	47%	22%	<1%	<1%	0%	<1%	<1%	2%	<1%	<1%
Waste/Services	10%	17%	3%	0%	0%	39%	24%	9%	6%	7%	0%	48%	82%	77%	10%	10%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
On-Site Total	84%	84%	98%	0%	0%	90%	85%	96%	26%	50%	0%	70%	91%	93%	10%	10%
Level 5 - LTM																
Energy	<1%	0%	0%	0%	0%	<1%	<1%	<1%	<1%	0%	0%	<1%	0%	0%	0%	0%
Materials	<1%	<1%	<1%	0%	0%	<1%	<1%	<1%	<1%	<1%	0%	<1%	<1%	<1%	<1%	<1%
Waste/Services	6%	12%	<1%	0%	0%	5%	5%	3%	2%	0%	0%	23%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
On-Site Total	6%	12%	<1%	0%	0%	5%	5%	3%	2%	<1%	0%	23%	<1%	<1%	<1%	<1%
Level 6 - Decomm.																
Energy	<1%	0%	0%	0%	0%	<1%	<1%	<1%	<1%	0%	0%	<1%	0%	0%	0%	0%
Materials	<1%	<1%	<1%	0%	0%	<1%	<1%	<1%	<1%	<1%	0%	<1%	<1%	<1%	<1%	<1%
Waste/Services	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Off-Site Total	<1%	<1%	<1%	0%	0%	<1%	<1%	<1%	<1%	<1%	0%	<1%	<1%	<1%	<1%	<1%

	Percentages for Total On-Site and Off-Site Parameters - Alternative 4 v2														
	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
	Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Level 1 - Site Invest.															
Energy	<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%	3%	6%	<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%	66%	<1%	99%	<1%	2%	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%	4%	7%	0%	68%	<1%	99%	<1%	4%	5%	<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%	50%	<1%	<1%	2%	4%	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%	0%	1%	<1%	0%	50%	<1%	<1%	2%	4%	90%
Level 4 - O&M															
Energy	71%	87%	2%	0%	0%	37%	15%	65%	20%	43%	0%	<1%	9%	13%	<1%
Materials	9%	5%	96%	0%	100%	14%	46%	22%	<1%	<1%	0%	<1%	<1%	2%	<1%
Waste/Services	8%	5%	<1%	0%	0%	39%	24%	9%	6%	7%	0%	2%	82%	77%	10%
Other	0%	0%	0%	0%	0%	<1%	0%	0%	0%	0%	0%	94%	0%	0%	0%
On-Site Total	87%	97%	99%	0%	100%	89%	84%	96%	26%	50%	0%	96%	91%	93%	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	5%	3%	<1%	0%	0%	5%	5%	3%	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	5%	3%	<1%	0%	0%	5%	5%	3%	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%

All Levels - Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 4 v2																																
	Quantity Used	Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins		
		Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Extracted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Generated	Conv. Factor	Generated	Conv. Factor	Emitted	Conv. Factor	Released	Conv. Factor	Released	Conv. Factor	Released	
			Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	
Totals			32,000,000.		9,200.		2,700,000.		3.7		2,700,000.		300,000.		830.		27.		16.		0		6,200.		19,000.		0		0		0	
Energy																																
Diesel (on-site)	gal	4639.4163	139	642,100.	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	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	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	31342.983	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	
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	
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
On-site electricity use	MWh	9196.24	3413	31,000,000.	1	9,200.	0	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	9196.24	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	
Electricity production*	MWh	9196.24	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	
Energy Subtotal				32,000,000.		9,200.		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	
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	
Steel	lb	32910	0	0	0	0	0	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	
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	
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	
Concrete	tons	349.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bentonite	ton	0.3	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	
Regenerated GAC	lbs	1400000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Diesel Produced	gal	35982.399	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	
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	
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Groundwater Extracted On-site	gal x 1000	2733132	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	
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	
Potable Water Used	gal x 1000	3.768	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	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	
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Hazardous Waste Generation	ton	6202.54	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	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	
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	
Waste and Other Services Subtotal				0		0		0		0		0		0		0		0		0		6,200.		0		0		0		0		0
Other																																
On-site process emissions (HAPs)	lbs	18880	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	19,000.	0	0	0	0	0		
On-site process emissions (GHGs)	lbs CO2e	192000	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		
Other Subtotal				0		0		0		0		190,000.		0		0		0		0		0		19,000.		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 v2																																
	Quantity Used	Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins		
		Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Extracted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Generated	Conv. Factor	Generated	Conv. Factor	Emitted	Conv. Factor	Released	Conv. Factor	Released	Conv. Factor	Released	
			Mbtu		MWh		gal x 1000		gal x 1000		gal x 1000		lbs		lbs		lbs		lbs		tons		tons		lbs		lbs		lbs		lbs	
Totals			120,000,000.		3,500.		81,000.		0		0		22,000,000.		75,000.		96,000.		4,100.		19.		0.0072		770.		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	31342.983	139	4,380,280.	0	0	0	0	0	0	22.5	700,746.	0.17	5,333.35	0.0054	166.921	0.0034	106.467	0	0	0	0	0.0003	9.41362	0	0	0	0	0	0	0	
Gasoline (off-site use)	gal	24081.2	124	2,942,000.	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	0.0003	7.271	0	0	0	0	0	0	0	0	
Natural gas (off-site use)	ccf	0	103	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0.29	0	0	0	0	0	0	0	0	0	
On-site electricity use	MWh	9196.24	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	
Electricity transmission*	MWh	9196.24	410	3,800,000.	0.12	1,100.	0	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	9196.24	7800	72,000,000.	0.06	550.	7.3	67,000.	0	0	0	800	7,400,000.	0.84	7,700.	6.7	62,000.	0.087	800.	0.0009	8.3	0	0	0.017	160.	3E-06	0.024	3E-05	0.29	9E-12	0.00000079	
Energy Subtotal			83,000,000.		1,700.		67,000.		0		0		8,600,000.		16,000.		62,000.		920.		8.3		0		180.		0.024		0.29		0.00000079	
Materials																																
PVC	lb	3264	22	72,000.	0.0006	1.8	0.0069	23.	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	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	32910	4.4	140,000.	0.0002	6.9	0.0006	21.	0	0	0	1.1	36,000.	0.0014	46.	0.0017	56.	0.0006	18.	0.0003	8.2	0	0	7E-05	2.2	1E-07	0.0033	3E-06	0.082	7E-12	0.00000021	
Stainless Steel	lb	2100	11.6	24,000.	0.0006	1.2	0.0023	4.8	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	0.000000046	
Gravel/sand	ton	5636.7	55	310,640.	0.0027	15.032	0.13	731.5	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	0.00006814	2E-16	0.00000000008418	
Cement Grout	dry-ton	26.45	4100	108,500.	0.13	3.44	0.41	10.85	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	0.00000002222	
Concrete	tons	349.2	793	280,000.	0.026	9.1	0.19	66.	0	0	0	335	120,000.	0.68	240.	0.41	140.	0.0044	1.5	3E-08	0.0000098	0	0	0.011	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	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	0.00000000019	1E-09	0.00000000036	2E-16	0.000000000000045	
Regenerated GAC	lbs	1400000	9.6	13,000,000.	0.0004	620.	0.0064	9,000.	0	0	0	2	2,800,000.	0.025	35,000.	0.015	21,000.	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	0.4	0	0.003	0	0.0026	0	6E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	0	1.87	0	0	0	0	0	0	0	0	1.1	0	0.0083	0	0.0099	0	0.0002	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	0	3.6	0	6E-05	0	2E-05	0	0	0	0	3.51	0	0.0265	0	0.031	0	0.0017	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Produced	gal	35982.399	18.5	665,450.	0.0006	21.304	0.0008	27.869	0	0	0	2.7	96,946.	0.0064	227.26	0.013	466.52	0.0003	12.2183	4E-07	0.0129288	0	0	0.0001	4.2719	5E-08	0.0017272	2E-06	0.054427	3E-14	0.0000000108043	
Gasoline Produced	gal	24526.4	21	513,500.	0.0006	14.334	0.0008	19.18	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	0.000000007648	
Natural Gas Produced	ccf	0	5.2	0	0.0003	0	8E-05	0	0	0	0	2.2	0	0.0037	0	0.0046	0	7E-05	0	0	0	0	0	6E-06	0	2E-08	0	9E-07	0	5E-14	0	
Groundwater Extracted On-site	gal x 1000	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	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	0.00000249	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	0.5168	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			15,000,000.		690.		9,900.		0		0		3,300,000.		36,000.		22,000.		82.		9.5		0.0072		18.		0.013		0.2		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	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	25	0	0.14	0	0.075	0	0.4	0	8E-06	0	0	0	0.0014	0	1E-06	0	8E-06	0	1E-11	0	0
Hazardous Waste Generation	ton	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	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	0.00000081708	
Laboratory Analysis	\$	1103360	8.8	9,704,000.	0.0005	550.3																										

All Levels - Total On-Site and Off-Site Parameters - Alternative 4 v2																
	Quantity Used	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
		Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
		Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Totals		150,000,000.	13,000.	2,800,000.	3.7	2,700,000.	22,000,000.	76,000.	96,000.	4,100.	19.	6,200.	20,000.	0.27	2.3	0.000028
Energy																
Diesel (on-site)	gal	4639.4163	642,100.	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	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
Diesel (off-site use)	gal	31342.983	4,380,280.	0	0	0	700,746.	5,333.35	166.921	106.467	0	0	9.41362	0	0	0
Gasoline (off-site use)	gal	24081.2	2,942,000.	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
On-site electricity use	MWh	9196.24	31,000,000.	9,200.	0	0	0	0	0	0	0	0	0	0	0	0
Electricity transmission*	MWh	9196.24	3,800,000.	1,100.	0	0	0	0	0	0	0	0	0	0	0	0
Electricity production*	MWh	9196.24	72,000,000.	550.	67,000.	0	7,400,000.	7,700.	62,000.	800.	8.3	0	160.	0.024	0.29	0.00000079
Energy Subtotal		110,000,000.	11,000.	67,000.	0	0	8,700,000.	17,000.	62,000.	940.	8.3	0	180.	0.024	0.29	0.00000079
Materials																
PVC	lb	3264	72,000.	1.8	23.	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	3,800.	6.4	8.2	1.3	0.00086	0.002	0.0068	0.0000052	0.0000048	0.000002
Steel	lb	32910	140,000.	6.9	21.	0	36,000.	46.	56.	18.	8.2	0	2.2	0.0033	0.082	0.0000021
Stainless Steel	lb	2100	24,000.	1.2	4.8	0	7,100.	16.	25.	9.2	1.3	0	0.3	0	0.0011	0.000000046
Gravel/sand	ton	5636.7	310,640.	15.032	731.5	0	38,078.	190.39	170.35	23.047	0	0	0.0023048	0.0000036075	0.000006814	0.0000000008418
Cement Grout	dry-ton	26.45	108,500.	3.44	10.85	0	47,900.	95.1	55.4	0.1714	0	0	1.489	0.001478	0.00344	0.00000002222
Concrete	tons	349.2	280,000.	9.1	66.	0	120,000.	240.	140.	1.5	0.0000098	0	3.8	0.0035	0.0084	0.0000000056
Bentonite	ton	0.3	17.	0.00081	0.039	0	2.	0.0099	0.009	0.0012	0	0	0.00000012	0.00000000019	0.00000000036	0.00000000000045
Regenerated GAC	lbs	1400000	13,000,000.	620.	9,000.	0	2,800,000.	35,000.	21,000.	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
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Produced	gal	35982.399	665,450.	21.304	27.869	0	96,946.	227.26	466.52	12.2183	0.0129288	0	4.2719	0.0017272	0.054427	0.0000000108043
Gasoline Produced	gal	24526.4	513,500.	14.334	19.18	0	107,830.	191.9	467.	13.084	0.01029	0	3.948	0.002032	0.05383	0.000000007648
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Groundwater Extracted On-site	gal x 1000	2733132	0	0	2,700,012.	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	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	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	0	0	0	0	0	0	0	0	0	0	0
Other On-Site Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials Subtotal		15,000,000.	690.	2,700,000.	3.7	2,700,000.	3,300,000.	36,000.	22,000.	82.	9.5	0.0072	18.	0.013	0.2	0.000025
Waste and Other Services																
Off-site waste water treatment	gal x 1000	2733120	10,000,000.	490.	2,300.	0	8,200,000.	17,000.	7,900.	220.	1.3	0	330.	0.22	1.7	0.000027
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Generation	ton	6202.54	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	171,437.	958.31	514.41	2,723.59	0.054472	0	9.5831	0.0066574	0.051451	0.00000081708
Laboratory Analysis	\$	1103360	9,704,000.	550.3	615.78	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	0.000028
Other																
On-site process emissions (HAPs)	lbs	18880	0	0	0	0	0	0	0	0	0	0	19,000.	0	0	0
On-site process emissions (GHGs)	lbs CO2e	192000	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	19,000.	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

Level 1 (Site Invest.) Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 4 v2																															
	Quantity Used	Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
		Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Extracted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Generated	Conv. Factor	Generated	Conv. Factor	Emitted	Conv. Factor	Released	Conv. Factor	Released	Conv. Factor	Released
			Mbtu		MWh		gal x 1000		gal x 1000		gal x 1000		lbs		lbs		lbs		lbs		tons		tons		lbs		lbs		lbs		lbs
Totals			34,000.		0		0.5		0.5		0		5,600.		42.		1.3		0.84		0		1.3		0.074		0		0		0
Energy																															
Diesel (on-site)	gal	248.192	139	34,000.	0	0	0	0	0	0	0	22.5	5,600.	0.17	42.	0.0054	1.3	0.0034	0.84	0	0	0	0	0.0003	0.074	0	0	0	0	0	0
Gasoline (on-site use)	gal	0	124	0	0	0	0	0	0	0	0	19.6	0	0.11	0	0.0045	0	0.0005	0	0	0	0	0	0.0003	0	0	0	0	0	0	0
Natural gas (on-site use)	ccf	0	103	0	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0.29	0	0	0	0	0	0	0
Diesel (off-site use)	gal	76.0376	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gasoline (off-site use)	gal	143.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site electricity use	MWh	0	3413	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity transmission*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity production*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Energy Subtotal			34,000.		0		0		0		0		5,600.		42.		1.3		0.84		0		0		0.074		0		0		0
Materials																															
PVC	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gravel/sand	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cement Grout	dry-ton	0.85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Concrete	tons	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bentonite	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Produced	gal	324.2296	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gasoline Produced	gal	143.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Groundwater Extracted On-site	gal x 1000	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Produced	gal x 1000	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Transported	gal x 1000	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Used	gal x 1000	0.5	0	0	0	1	0.5	1	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other On-Site Water Used	gal x 1000	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials Subtotal			0		0		0.5		0.5		0		0		0		0		0		0		0		0		0		0		0
Waste and Other Services																															
Off-site waste water treatment	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Generation	ton	1.34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1.3	0	0	0	0	0	0	0	0
Hazardous Waste Disposal	ton	1.34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Laboratory Analysis	\$	60220	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste and Other Services Subtotal			0		0		0		0		0		0		0		0		0		0		1.3		0		0		0		0
Other																															
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Other Subtotal			0		0		0		0		0		0		0		0		0		0		0		0		0		0		0

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

		Level 1 (Site Invest.) Total On-Site and Off-Site Parameters - Alternative 4 v2															
		Quantity Used	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
			Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
			Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Totals			610,000.	30.	35.	0.5	0	91,000.	350.	190.	8.9	0.00019	1.3	13.	0.000078	0.00093	0.0000000001
Energy																	
Diesel (on-site)	gal	248.192	34,000.	0	0	0	0	5,600.	42.	1.3	0.84	0	0	0.074	0	0	0
Gasoline (on-site use)	gal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural gas (on-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel (off-site use)	gal	76.0376	11,000.	0	0	0	0	1,700.	13.	0.41	0.26	0	0	0.023	0	0	0
Gasoline (off-site use)	gal	143.2	18,000.	0	0	0	0	2,800.	16.	0.64	0.077	0	0	0.043	0	0	0
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site electricity use	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity transmission*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity production*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Energy Subtotal			63,000.	0	0	0	0	10,000.	71.	2.4	1.2	0	0	0.14	0	0	0
Materials																	
PVC	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gravel/sand	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cement Grout	dry-ton	0.85	3,500.	0.11	0.35	0	0	1,500.	3.1	1.8	0.0054	0	0	0.049	0.000048	0.00011	0.000000000072
Concrete	tons	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bentonite	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Produced	gal	324.2296	6,000.	0.19	0.25	0	0	880.	2.1	4.2	0.11	0.00012	0	0.039	0.000016	0.00049	0.000000000097
Gasoline Produced	gal	143.2	3,000.	0.084	0.11	0	0	630.	1.1	2.7	0.074	0.00006	0	0.023	0.000012	0.00032	0.0000000000044
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Groundwater Extracted On-site	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Produced	gal x 1000	0.5	4.6	0.00022	0.011	0	0	2.5	0.0049	0.003	0.008	0.0000042	0	0.0000075	0.000000041	0.000000034	0.0000000000005
Potable Water Transported	gal x 1000	0.5	3.7	0.00032	0.0024	0	0	0.26	0.00027	0.0022	0.000028	0.0000029	0	0	0.0000013	0.000000019	0.00000000000015
Potable Water Used	gal x 1000	0.5	0	0	0.5	0.5	0	0	0	0	0	0	0	0	0	0	0
Other On-Site Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials Subtotal			13,000.	0.38	1.2	0.5	0	3,000.	6.3	8.7	0.2	0.00018	0	0.11	0.000077	0.00092	0.000000000086
Waste and Other Services																	
Off-site waste water treatment	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Generation	ton	1.34	0	0	0	0	0	0	0	0	0	0	1.3	0	0	0	0
Hazardous Waste Disposal	ton	1.34	240.	0.011	0.22	0	0	37.	0.21	0.11	0.59	0.000012	0	0.0021	0.0000014	0.000011	0.000000000018
Laboratory Analysis	\$	60220	530,000.	30.	34.	0	0	78,000.	270.	180.	6.9	0	0	13.	0	0	0
Waste and Other Services Subtotal			530,000.	30.	34.	0	0	78,000.	270.	180.	7.5	0.000012	1.3	13.	0.000014	0.000011	0.000000000018
Other																	
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Subtotal			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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

Level 2 (Excavation) Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 4 v2																															
	Quantity Used	Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
		Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Extracted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Generated	Conv. Factor	Generated	Conv. Factor	Emitted	Conv. Factor	Released	Conv. Factor	Released	Conv. Factor	Released
			Mbtu		MWh		gal x 1000		gal x 1000		gal x 1000		lbs		lbs		lbs		lbs		tons		tons		lbs		lbs		lbs		lbs
Totals			85,000.		0		0		0		0		14,000.		100.		3.3		2.1		0		6,100.		0.18		0		0		0
Energy																															
Diesel (on-site)	gal	614.58432	139	85,000.	0	0	0	0	0	0	0	22.5	14,000.	0.17	100.	0.0054	3.3	0.0034	2.1	0	0	0	0	0.0003	0.18	0	0	0	0	0	0
Gasoline (on-site use)	gal	0	124	0	0	0	0	0	0	0	0	19.6	0	0.11	0	0.0045	0	0.0005	0	0	0	0	0	0.0003	0	0	0	0	0	0	0
Natural gas (on-site use)	ccf	0	103	0	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0.29	0	0	0	0	0	0	0
Diesel (off-site use)	gal	26422.54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gasoline (off-site use)	gal	307.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site electricity use	MWh	0	3413	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity transmission*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity production*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Energy Subtotal			85,000.		0		0		0		0		14,000.		100.		3.3		2.1		0		6,100.		0.18		0		0		0
Materials																															
PVC	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gravel/sand	ton	5625	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cement Grout	dry-ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Concrete	tons	349.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bentonite	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Produced	gal	27037.124	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gasoline Produced	gal	307.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Groundwater Extracted On-site	gal x 1000	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Produced	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Transported	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Used	gal x 1000	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other On-Site Water Used	gal x 1000	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials Subtotal			0		0		0		0		0		0		0		0		0		0		0		0		0		0		0
Waste and Other Services																															
Off-site waste water treatment	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Generation	ton	6148.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6,100.	0	0	0	0	0	0	0	0	0
Hazardous Waste Disposal	ton	6148.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Laboratory Analysis	\$	7100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste and Other Services Subtotal			0		0		0		0		0		0		0		0		0		0		6,100.		0		0		0		0
Other																															
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Subtotal			0		0		0		0		0		0		0		0		0		0		0		0		0		0		0

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

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

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

		Level 3 (Construction) Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 4 v2																														
		Quantity Used	Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
			Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Generated	Conv. Factor	Generated	Conv. Factor	Emitted	Conv. Factor	Released	Conv. Factor	Released	Conv. Factor	Released
	Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs		
Totals			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	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		
Gasoline (on-site use)	gal	0	124	0	0	0	0	0	0	0	0	19.6	0	0.11	0	0.0045	0	0.0005	0	0	0	0	0	0.0003	0	0	0	0	0	0		
Natural gas (on-site use)	ccf	0	103	0	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0.29	0	0	0	0	0	0		
Diesel (off-site use)	gal	642.355	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		
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		
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
On-site electricity use	MWh	0	3413	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Electricity transmission*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Electricity production*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Energy Subtotal			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		
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		
Steel	lb	32910	0	0	0	0	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		
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		
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		
Concrete	tons	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Bentonite	ton	0.3	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		
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Diesel Produced	gal	4396.595	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		
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		
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Groundwater Extracted On-site	gal x 1000	12	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		
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		
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		
Potable Water Used	gal x 1000	2.745	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		
Other On-Site Water Used	gal x 1000	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Materials Subtotal			0		0		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		
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0		
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Hazardous Waste Generation	ton	52.4	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		
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		
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	1	0	0	0	0	0	0		
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Other Subtotal			0		0		0		0		0		0		0		0		0		0		0		0		0		0		0	

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

		Level 3 (Construction) Parameters Used, Extracted, Emitted, or Generated Off-Site - Alternative 4 v2																														
		Quantity Used	Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
			Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Extracted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Generated	Conv. Factor	Generated	Conv. Factor	Emitted	Conv. Factor	Released	Conv. Factor	Released
	Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs			
Totals			780,000.		18.		77.		0		0		160,000.		470.		260.		61.		9.5		0.0072		7.		0.006		0.096		0.00025	
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		
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		
Natural gas (on-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Diesel (off-site use)	gal	642.355	139	89,000.	0	0	0	0	0	0	22.5	14,000.	0.17	110.	0.0054	3.5	0.0034	2.2	0	0	0	0	0	0.0003	0.19	0	0	0	0	0		
Gasoline (off-site use)	gal	1352.4	124	170,000.	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	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0	0.29	0	0	0	0	0	0		
On-site electricity use	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Electricity transmission*	MWh	0	410	0	0.12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Electricity production*	MWh	0	7800	0	0.06	0	7.3	0	0	0	0	0	0	800	0	0.84	0	6.7	0	0.087	0	0.0009	0	0	0.017	0	3E-06	0	3E-05	0	9E-12	
Energy Subtotal			260,000.		0		0		0		0		41,000.		260.		9.6		2.9		0		0		0.6		0		0			
Materials																																
PVC	lb	3264	22	72,000.	0.0006	1.8	0.0069	23.	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	0.00023	
HDPE	lb	2000	31	62,000.	0.0003	0.5	0.0023	4.6	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	32910	4.4	140,000.	0.0002	6.9	0.0006	21.	0	0	0	1.1	36,000.	0.0014	46.	0.0017	56.	0.0006	18.	0.0003	8.2	0	0	7E-05	2.2	1E-07	0.0033	3E-06	0.082	7E-12	0.00000021	
Stainless Steel	lb	2100	11.6	24,000.	0.0006	1.2	0.0023	4.8	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	0.000000046	
Gravel/sand	ton	11.7	55	640.	0.0027	0.032	0.13	1.5	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	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	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	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	0.00000000019	1E-09	0.00000000036	2E-16	0.000000000000045	
Regenerated GAC	lbs	0	9.6	0	0.0004	0	0.0064	0	0	0	0	2	0	0.025	0	0.015	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bioinjection (Molasses)	lbs	0	1.31	0	5E-06	0	9E-05	0	0	0	0	0.4	0	0.003	0	0.0026	0	6E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bioinjection (Cheese Whey)	lbs	0	1.87	0	0	0	0	0	0	0	0	1.1	0	0.0083	0	0.0099	0	0.0002	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bioinjection (Vegetable Oil)	lbs	0	3.6	0	6E-05	0	2E-05	0	0	0	0	3.51	0	0.0265	0	0.031	0	0.0017	0	0	0	0	0	0	0	0	0	0	0	0	0	
Diesel Produced	gal	4396.595	18.5	81,000.	0.0006	2.6	0.0008	3.4	0	0	0	2.7	12,000.	0.0064	28.	0.013	57.	0.0003	1.5	4E-07	0.0016	0	0	0.0001	0.53	5E-08	0.00021	2E-06	0.0066	3E-14	0.00000000013	
Gasoline Produced	gal	1352.4	21	28,000.	0.0006	0.8	0.0008	1.1	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	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	
Potable Water Produced	gal x 1000	2.745	9.2	25.	0.0004	0.0012	0.021	0.058	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	0.5168	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	
Other On-Site Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Materials Subtotal			500,000.		17.		68.		0		0		120,000.		200.		240.		35.		9.5		0.0072		6.		0.0059		0.096		0.00025	
Waste and Other Services																																
Off-site waste water treatment	gal x 1000	0	3.7	0	0.0002	0	0.0008	0	0	0	0	3	0	0.0061	0	0.0029	0	8E-05	0	5E-07	0	0	0	0.0001	0	8E-08	0	6E-07	0	1E-12	0	
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Solid Waste Disposal	ton	0	160	0	0.0077	0	0.15	0	0	0	0	25	0	0.14	0	0.075	0	0.4	0	8E-06	0	0	0	0.0014	0	1E-06	0	8E-06	0	1E-11	0	
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	
Hazardous Waste Disposal	ton	52.4	176	9,200.	0.0085	0.45	0.165	8.6	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	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		
Waste and Other Services Subtotal			21,000.		1.2		9.4		0		0		3,200.		14.		8.5		23.		0.00046											

		Level 3 (Construction) Total On-Site and Off-Site Parameters - Alternative 4 v2															
		Quantity Used	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
			Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
		Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs	
Totals			1,300,000.	18.	92.	2.7	12.	250,000.	1,100.	280.	74.	9.5	52.	8.1	0.006	0.096	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	642.355	89,000.	0	0	0	0	14,000.	110.	3.5	2.2	0	0	0.19	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			780,000.	0	0	0	0	130,000.	900.	30.	16.	0	0	1.7	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	32910	140,000.	6.9	21.	0	0	36,000.	46.	56.	18.	8.2	0	2.2	0.0033	0.082	0.0000021
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	0.000000046
Gravel/sand	ton	11.7	640.	0.032	1.5	0	0	78.	0.39	0.35	0.047	0	0	0.0000048	0.0000000075	0.000000014	0.00000000000018
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	0.000000000036	0.000000000000045
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	4396.595	81,000.	2.6	3.4	0	0	12,000.	28.	57.	1.5	0.0016	0	0.53	0.00021	0.0066	0.00000000013
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	0.000000018	0.00000000000027
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	0.000000011	0.00000000000081
Potable Water Used	gal x 1000	2.745	0	0	2.7	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			500,000.	17.	83.	2.7	12.	120,000.	200.	240.	35.	9.5	0.0072	6.	0.0059	0.096	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

		Level 4 (O&M) Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 4 v2																														
		Quantity Used	Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
			Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Generated	Conv. Factor	Generated	Conv. Factor	Emitted	Conv. Factor	Released	Conv. Factor	Released	Conv. Factor	Released
	Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs		
Totals			31,000,000.		9,200.		2,700,000.		0		2,700,000.		190,000.		0		0		0		0		0		19,000.		0		0		0	
Energy																																
Diesel (on-site)	gal	0	139	0	0	0	0	0	0	0	0	22.5	0	0.17	0	0.0054	0	0.0034	0	0	0	0	0	0.0003	0	0	0	0	0	0		
Gasoline (on-site use)	gal	0	124	0	0	0	0	0	0	0	0	19.6	0	0.11	0	0.0045	0	0.0005	0	0	0	0	0	0.0003	0	0	0	0	0	0		
Natural gas (on-site use)	ccf	0	103	0	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0.29	0	0	0	0	0	0		
Diesel (off-site use)	gal	4200	0	0	0	0	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		
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
On-site electricity use	MWh	9196.24	3413	31,000,000.	1	9,200.	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	9196.24	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		
Electricity production*	MWh	9196.24	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		
Energy Subtotal			31,000,000.		9,200.		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		
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Gravel/sand	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Cement Grout	dry-ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Concrete	tons	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Bentonite	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Regenerated GAC	lbs	1400000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Diesel Produced	gal	4200	0	0	0	0	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		
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Groundwater Extracted On-site	gal x 1000	2733120	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		
Potable Water Produced	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Potable Water Transported	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Potable Water Used	gal x 1000	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Other On-Site Water Used	gal x 1000	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Materials Subtotal			0		0		2,700,000.		0		2,700,000.		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		
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0		
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Hazardous Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0		
Hazardous Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Laboratory Analysis	\$	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		
Waste and Other Services Subtotal			0		0		0		0		0		0		0		0		0		0		0		0		0		0			
Other																																
On-site process emissions (HAPs)	lbs	18880	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	19,000.	0	0	0	0	0		
On-site process emissions (GHGs)	lbs CO2e	192000	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		
Other Subtotal			0		0		0		0		0		190,000.		0		0		0		0		0		19,000.		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 4 v2																														
		Quantity Used	Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
			Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Extracted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Generated	Conv. Factor	Generated	Conv. Factor	Emitted	Conv. Factor	Released	Conv. Factor	Released	Conv. Factor	Released
	Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs		
Totals			110,000,000.		2,900.		78,000.		0		0		19,000,000.		64,000.		91,000.		1,100.		9.6		0		540.		0.25		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		
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		
Natural gas (on-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Diesel (off-site use)	gal	4200	139	580,000.	0	0	0	0	0	0	0	22.5	95,000.	0.17	710.	0.0054	23.	0.0034	14.	0	0	0	0	0.0003	1.3	0	0	0	0	0		
Gasoline (off-site use)	gal	20512	124	2,500,000.	0	0	0	0	0	0	0	19.6	400,000.	0.11	2,300.	0.0045	92.	0.0005	11.	0	0	0	0.0003	6.2	0	0	0	0	0	0		
Natural gas (off-site use)	ccf	0	103	0	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0.29	0	0	0	0	0	0	0		
On-site electricity use	MWh	9196.24	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		
Electricity transmission*	MWh	9196.24	410	3,800,000.	0.12	1,100.	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	9196.24	7800	72,000,000.	0.06	550.	7.3	67,000.	0	0	0	800	7,400,000.	0.84	7,700.	6.7	62,000.	0.087	800.	0.0009	8.3	0	0	0.017	160.	3E-06	0.024	3E-05	0.29	9E-12	0.00000079	
Energy Subtotal			79,000,000.		1,700.		67,000.		0		0		7,900,000.		11,000.		62,000.		830.		8.3		0		170.		0.024		0.29		0.00000079	
Materials																																
PVC	lb	0	22	0	0.0006	0	0.0069	0	0	0	0	4.1	0	0.0048	0	0.0076	0	0.0012	0	2E-06	0	2E-06	0	0.0005	0	3E-07	0	1E-07	0	7E-09	0	
HDPE	lb	0	31	0	0.0003	0	0.0023	0	0	0	0	1.9	0	0.0032	0	0.0041	0	0.0006	0	4E-07	0	1E-06	0	3E-06	0	3E-09	0	2E-09	0	1E-09	0	
Steel	lb	0	4.4	0	0.0002	0	0.0006	0	0	0	0	1.1	0	0.0014	0	0.0017	0	0.0006	0	0.0003	0	0	0	7E-05	0	1E-07	0	3E-06	0	7E-12	0	
Stainless Steel	lb	0	11.6	0	0.0006	0	0.0023	0	0	0	0	3.4	0	0.0075	0	0.012	0	0.0044	0	0.0006	0	0	0	0.0001	0	0	0	5E-07	0	2E-12	0	
Gravel/sand	ton	0	55	0	0.0027	0	0.13	0	0	0	0	6.7	0	0.033	0	0.03	0	0.004	0	0	0	0	0	4E-07	0	6E-11	0	1E-09	0	2E-16	0	
Cement Grout	dry-ton	0	4100	0	0.13	0	0.41	0	0	0	0	1800	0	3.6	0	2.1	0	0.0063	0	0	0	0	0	0.058	0	6E-05	0	0.0001	0	9E-11	0	
Concrete	tons	0	793	0	0.026	0	0.19	0	0	0	0	335	0	0.68	0	0.41	0	0.0044	0	3E-08	0	0	0	0.011	0	1E-05	0	2E-05	0	2E-11	0	
Bentonite	ton	0	55	0	0.0027	0	0.13	0	0	0	0	6.7	0	0.033	0	0.03	0	0.004	0	0	0	0	0	4E-07	0	6E-11	0	1E-09	0	2E-16	0	
Regenerated GAC	lbs	1400000	9.6	13,000,000.	0.0004	620.	0.0064	9,000.	0	0	0	2	2,800,000.	0.025	35,000.	0.015	21,000.	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	0.4	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	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	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	4200	18.5	78,000.	0.0006	2.5	0.0008	3.2	0	0	0	2.7	11,000.	0.0064	27.	0.013	55.	0.0003	1.4	4E-07	0.0015	0	0	0.0001	0.5	5E-08	0.0002	2E-06	0.0063	3E-14	0.0000000013	
Gasoline Produced	gal	20512	21	430,000.	0.0006	12.	0.0008	16.	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	0.0000000064	
Natural Gas Produced	ccf	0	5.2	0	0.0003	0	8E-05	0	0	0	0	2.2	0	0.0037	0	0.0046	0	7E-05	0	0	0	0	0	6E-06	0	2E-08	0	9E-07	0	5E-14	0	
Groundwater Extracted On-site	gal x 1000	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	
Potable Water Produced	gal x 1000	0	9.2	0	0.0004	0	0.021	0	0	0	0	5	0	0.0097	0	0.0059	0	0.016	0	8E-07	0	0	0	2E-05	0	8E-09	0	7E-08	0	1E-13	0	
Potable Water Transported	gal x 1000	0	7.4	0	0.0006	0	0.0047	0	0	0	0	0.5168	0	0.0005	0	0.0043	0	6E-05	0	6E-07	0	0	0	0	0	3E-06	0	4E-08	0	3E-14	0	
Potable Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Other On-Site Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Materials Subtotal			14,000,000.		630.		9,000.		0		0		2,900,000.		35,000.		21,000.		12.		0.01		0		3.8		0.0019		0.051		0.0000000077	
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	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	
Solid Waste Disposal	ton	0	160	0	0.0077	0	0.15	0	0	0	0	25	0	0.14	0	0.075	0	0.4	0	8E-06	0	0	0	0.0014	0	1E-06	0	8E-06	0	1E-11	0	
Hazardous Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Hazardous Waste Disposal	ton	0	176	0	0.0085	0	0.165	0	0	0	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	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		
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	18880	0	0	0	0	0	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																											

		Level 4 (O&M) Total On-Site and Off-Site Parameters - Alternative 4 v2															
		Quantity Used	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
			Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
			Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Totals			140,000,000.	12,000.	2,800,000.	0	2,700,000.	19,000,000.	64,000.	91,000.	1,100.	9.6	0	20,000.	0.25	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	4200	580,000.	0	0	0	95,000.	710.	23.	14.	0	0	1.3	0	0	0	0
Gasoline (off-site use)	gal	20512	2,500,000.	0	0	0	400,000.	2,300.	92.	11.	0	0	6.2	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
On-site electricity use	MWh	9196.24	31,000,000.	9,200.	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity transmission*	MWh	9196.24	3,800,000.	1,100.	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity production*	MWh	9196.24	72,000,000.	550.	67,000.	0	7,400,000.	7,700.	62,000.	800.	8.3	0	160.	0.024	0.29	0.00000079	
Energy Subtotal			110,000,000.	11,000.	67,000.	0	7,900,000.	11,000.	62,000.	830.	8.3	0	170.	0.024	0.29	0.00000079	
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	1400000	13,000,000.	620.	9,000.	0	2,800,000.	35,000.	21,000.	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	4200	78,000.	2.5	3.2	0	11,000.	27.	55.	1.4	0.0015	0	0.5	0.0002	0.0063	0.0000000013	
Gasoline Produced	gal	20512	430,000.	12.	16.	0	90,000.	160.	390.	11.	0.0086	0	3.3	0.0017	0.045	0.0000000064	
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			14,000,000.	630.	2,700,000.	0	2,700,000.	2,900,000.	35,000.	21,000.	12.	0.01	0	3.8	0.0019	0.051	0.0000000077
Waste and Other Services																	
Off-site waste water treatment	gal x 1000	2733120	10,000,000.	490.	2,300.	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	220,000.	780.	520.	20.	0	0	36.	0	0	0	0
Waste and Other Services Subtotal			12,000,000.	580.	2,400.	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	18880	0	0	0	0	0	0	0	0	0	0	19,000.	0	0	0	0
On-site process emissions (GHGs)	lbs CO2e	192000	0	0	0	0	190,000.	0	0	0	0	0	0	0	0	0	0
Other Subtotal			0	0	0	0	190,000.	0	0	0	0	0	19,000.	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 4 v2																														
		Quantity Used	Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
			Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Generated	Conv. Factor	Generated	Conv. Factor	Emitted	Conv. Factor	Released	Conv. Factor	Released	Conv. Factor	Released
	Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs		
Totals			55,000.	0	0	0	0	0	0	0	8,700.	49.	2.	0.24	0	0	0	0	0.13	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	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	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			
Natural gas (on-site use)	ccf	0	103	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0.29	0	0	0	0	0	0			
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			
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			
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
On-site electricity use	MWh	0	3413	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Electricity transmission*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Electricity production*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Energy Subtotal			55,000.	0	0	0	0	0	0	0	8,700.	49.	2.	0.24	0	0	0	0	0.13	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			
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Gravel/sand	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Cement Grout	dry-ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Concrete	tons	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Bentonite	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Diesel Produced	gal	0	0	0	0	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			
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Groundwater Extracted On-site	gal x 1000	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Potable Water Produced	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Potable Water Transported	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Potable Water Used	gal x 1000	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Other On-Site Water Used	gal x 1000	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Materials Subtotal			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Waste and Other Services																																
Off-site waste water treatment	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Hazardous Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Hazardous Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
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			
Waste and Other Services Subtotal			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
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			
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Other Subtotal			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			

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

		Level 5 (LTM) Total On-Site and Off-Site Parameters - Alternative 4 v2															
		Quantity Used	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
			Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
			Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Totals			7,900,000.	430.	480.	0	0	1,100,000.	4,100.	2,600.	100.	0.00081	0	180.	0.00016	0.0042	0.0000000006
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	0.0000000006
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	0.0000000006
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

Level 6 (Decomm.) Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 4 v2																															
	Quantity Used	Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
		Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Extracted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Generated	Conv. Factor	Generated	Conv. Factor	Emitted	Conv. Factor	Released	Conv. Factor	Released	Conv. Factor	Released
			Mbtu		MWh		gal x 1000		gal x 1000		gal x 1000		lbs		lbs		lbs		lbs		tons		tons		lbs		lbs		lbs		lbs
Totals			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	22.5	500.	0.17	3.8	0.0054	0.12	0.0034	0.076	0	0	0	0	0.0003	0.0067	0	0	0	0	0	0
Gasoline (on-site use)	gal	0	124	0	0	0	0	0	0	0	0	19.6	0	0.11	0	0.0045	0	0.0005	0	0	0	0	0	0.0003	0	0	0	0	0	0	0
Natural gas (on-site use)	ccf	0	103	0	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0.29	0	0	0	0	0	0	0
Diesel (off-site use)	gal	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
Gasoline (off-site use)	gal	288	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site electricity use	MWh	0	3413	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity transmission*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity production*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Energy Subtotal			3,100.		0		0		0		0		500.		3.8		0.12		0.076		0		0		0.0067		0		0		0
Materials																															
PVC	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gravel/sand	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cement Grout	dry-ton	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
Concrete	tons	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bentonite	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Produced	gal	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
Gasoline Produced	gal	288	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Groundwater Extracted On-site	gal x 1000	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Produced	gal x 1000	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
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
Potable Water Used	gal x 1000	0.523	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
Other On-Site Water Used	gal x 1000	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials Subtotal			0		0		0.52		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
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Laboratory Analysis	\$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste and Other Services Subtotal			0		0		0		0		0		0		0		0		0		0		0		0		0		0		0
Other																															
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Subtotal			0		0		0		0		0		0		0		0		0		0		0		0		0		0		0

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

		Level 6 (Decomm.) Total On-Site and Off-Site Parameters - Alternative 4 v2															
		Quantity Used	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
			Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
			Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Totals			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	0.0000000000073
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	0.0000044	0	0.0000078	0.000000043	0.000000035	0.0000000000052
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	0.0000000000015
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

Alternative:

Alternative Name:

Path Name:

Main File Name:

Reference File Name:

Module File Name:

Alternative 4 v3

No GAC + No POTW

Green Remediation Tool Main.xlsx

Green Remediation Tool Reference.xlsx

alternative 4 v3 inventory modules.xlsx

Variables In Alternative:

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

Usage Input - Alternative 4 v3

	Abbreviation	Units	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Total
			Site Invest.	Excavation	Construction	O&M	LTM	Decomm.	
Energy									
Diesel (on-site)	Diesel-On	gal	248.192	614.5843	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	642.355	4200	0	2.05	31342.98
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	9196.24	0	0	9196.24
Electricity transmission*	Elec. Trans	MWh	0	0	0	9196.24	0	0	9196.24
Electricity production*	Elec. Prod	MWh	0	0	0	9196.24	0	0	9196.24
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	32910	0	0	0	32910
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	1400000	0	0	1400000
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	4396.595	4200	0	24.45	35982.4
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	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	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	18880	0	0	18880
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 v3														
	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
	Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Level 1 - Site Invest.															
Energy	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	31,000,000.	9,200.	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	19,000.	0	0	0
O&M Total	31,000,000.	9,200.	2,700,000.	0	2,700,000.	190,000.	0	0	0	0	0	19,000.	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	32,000,000.	9,200.	2,700,000.	3.7	2,700,000.	300,000.	830.	27.	16.	0	6,200.	19,000.	0	0	0

	Totals For Parameters Used, Extracted, Emitted, or Generated Off-Site - Alternative 4 v3														
	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
	Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Level 1 - Site Invest.															
Energy	29,000.	0	0	0	0	4,500.	29.	1.1	0.34	0	0	0.066	0	0	0
Materials	13,000.	0.38	0.72	0	0	3,000.	6.3	8.7	0.2	0.00018	0	0.11	0.000077	0.00092	0.00000000086
Waste/Services	530,000.	30.	34.	0	0	78,000.	270.	180.	7.5	0.000012	0	13.	0.0000014	0.000011	0.00000000018
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Site Invest. Total	570,000.	30.	35.	0	0	86,000.	310.	190.	8.	0.00019	0	13.	0.000078	0.00093	0.0000000001
Level 2 - Excavation															
Energy	3,700,000.	0	0	0	0	600,000.	4,500.	140.	90.	0	0	8.	0	0	0
Materials	1,100,000.	40.	820.	0	0	230,000.	600.	670.	34.	0.0098	0	7.1	0.0048	0.05	0.00000000064
Waste/Services	1,200,000.	56.	1,000.	0	0	180,000.	980.	530.	2,700.	0.054	0	11.	0.0066	0.051	0.00000000081
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Excavation Total	6,000,000.	96.	1,800.	0	0	1,000,000.	6,100.	1,300.	2,800.	0.064	0	26.	0.011	0.1	0.00000000087
Level 3 - Construction															
Energy	260,000.	0	0	0	0	41,000.	260.	9.6	2.9	0	0	0.6	0	0	0
Materials	500,000.	17.	68.	0	0	120,000.	200.	240.	35.	9.5	0.0072	6.	0.0059	0.096	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	780,000.	18.	77.	0	0	160,000.	470.	260.	61.	9.5	0.0072	7.	0.006	0.096	0.000025
Level 4 - O&M															
Energy	79,000,000.	1,700.	67,000.	0	0	7,900,000.	11,000.	62,000.	830.	8.3	0	170.	0.024	0.29	0.000000079
Materials	14,000,000.	630.	9,000.	0	0	2,900,000.	35,000.	21,000.	12.	0.01	0	3.8	0.0019	0.051	0.00000000077
Waste/Services	1,500,000.	86.	97.	0	0	220,000.	780.	520.	20.	0	0	36.	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O&M Total	95,000,000.	2,400.	76,000.	0	0	11,000,000.	47,000.	84,000.	860.	8.3	0	210.	0.026	0.34	0.00000008
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	110,000,000.	3,000.	78,000.	0	0	13,000,000.	58,000.	88,000.	3,800.	18.	0.0072	440.	0.043	0.54	0.000025

	Totals for On-Site and Off-Site Parameters - Alternative 4 v3														
	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
	Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Level 1 - Site Invest.															
Energy	63,000.	0	0	0	0	10,000.	71.	2.4	1.2	0	0	0.14	0	0	0
Materials	13,000.	0.38	1.2	0.5	0	3,000.	6.3	8.7	0.2	0.00018	0	0.11	0.000077	0.00092	0.00000000086
Waste/Services	530,000.	30.	34.	0	0	78,000.	270.	180.	7.5	0.000012	1.3	13.	0.0000014	0.000011	0.00000000018
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Site Invest. Total	610,000.	30.	35.	0.5	0	91,000.	350.	190.	8.9	0.00019	1.3	13.	0.000078	0.00093	0.0000000001
Level 2 - Excavation															
Energy	3,800,000.	0	0	0	0	610,000.	4,600.	140.	92.	0	0	8.2	0	0	0
Materials	1,100,000.	40.	820.	0	0	230,000.	600.	670.	34.	0.0098	0	7.1	0.0048	0.05	0.00000000064
Waste/Services	1,200,000.	56.	1,000.	0	0	180,000.	980.	530.	2,700.	0.054	6,100.	11.	0.0066	0.051	0.00000000081
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Excavation Total	6,100,000.	96.	1,800.	0	0	1,000,000.	6,200.	1,300.	2,800.	0.064	6,100.	26.	0.011	0.1	0.00000000087
Level 3 - Construction															
Energy	780,000.	0	0	0	0	130,000.	900.	30.	16.	0	0	1.7	0	0	0
Materials	500,000.	17.	83.	2.7	12.	120,000.	200.	240.	35.	9.5	0.0072	6.	0.0059	0.096	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	1,300,000.	18.	92.	2.7	12.	250,000.	1,100.	280.	74.	9.5	52.	8.1	0.006	0.096	0.000025
Level 4 - O&M															
Energy	110,000,000.	11,000.	67,000.	0	0	7,900,000.	11,000.	62,000.	830.	8.3	0	170.	0.024	0.29	0.000000079
Materials	14,000,000.	630.	2,700,000.	0	2,700,000.	2,900,000.	35,000.	21,000.	12.	0.01	0	3.8	0.0019	0.051	0.00000000077
Waste/Services	1,500,000.	86.	97.	0	0	220,000.	780.	520.	20.	0	0	36.	0	0	0
Other	0	0	0	0	0	190,000.	0	0	0	0	0	19,000.	0	0	0
O&M Total	130,000,000.	12,000.	2,800,000.	0	2,700,000.	11,000,000.	47,000.	84,000.	860.	8.3	0	19,000.	0.026	0.34	0.000000008
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	150,000,000.	13,000.	2,800,000.	3.7	2,700,000.	13,000,000.	59,000.	88,000.	3,800.	18.	6,200.	19,000.	0.043	0.54	0.000025

	Percentages For Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 4 v3															
	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins	
	Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released	
Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs	
Level 1 - Site Invest.																
Energy	<1%	0%	0%	0%	0%	2%	5%	5%	5%	0%	0%	<1%	0%	0%	0%	0%
Materials	0%	0%	<1%	13%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Waste/Services	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	<1%	0%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Site Invest. Total	<1%	0%	<1%	13%	0%	2%	5%	5%	5%	0%	<1%	<1%	0%	0%	0%	0%
Level 2 - Excavation																
Energy	<1%	0%	0%	0%	0%	5%	12%	12%	13%	0%	0%	<1%	0%	0%	0%	0%
Materials	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Waste/Services	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	99%	0%	0%	0%	0%	0%
Other	0%	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%	0%
Level 3 - Construction																
Energy	2%	0%	0%	0%	0%	28%	77%	75%	80%	0%	0%	<1%	0%	0%	0%	0%
Materials	0%	0%	<1%	73%	<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%	0%
Other	0%	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%	0%
Level 4 - O&M																
Energy	98%	100%	0%	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%	0%
Waste/Services	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	63%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%
On-Site Total	98%	100%	100%	0%	100%	63%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%
Level 5 - LTM																
Energy	<1%	0%	0%	0%	0%	3%	6%	7%	1%	0%	0%	<1%	0%	0%	0%	0%
Materials	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Waste/Services	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
On-Site Total	<1%	0%	0%	0%	0%	3%	6%	7%	1%	0%	0%	<1%	0%	0%	0%	0%
Level 6 - Decomm.																
Energy	<1%	0%	0%	0%	0%	<1%	<1%	<1%	<1%	0%	0%	<1%	0%	0%	0%	0%
Materials	0%	0%	<1%	14%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Waste/Services	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Off-Site Total	<1%	0%	<1%	14%	0%	<1%	<1%	<1%	<1%	0%	0%	<1%	0%	0%	0%	0%

	Percentages For Parameters Used, Extracted, Emitted, or Generated Off-Site - Alternative 4 v3														
	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
	Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Level 1 - Site Invest.															
Energy	<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%	3%	<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%	3%	<1%	<1%	<1%
Level 2 - Excavation															
Energy	3%	0%	0%	0%	0%	4%	8%	<1%	2%	0%	0%	2%	0%	0%	0%
Materials	1%	1%	1%	0%	0%	2%	1%	<1%	<1%	<1%	0%	2%	11%	9%	<1%
Waste/Services	1%	2%	1%	0%	0%	1%	2%	<1%	71%	<1%	0%	3%	15%	9%	<1%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Excavation Total	5%	3%	2%	0%	0%	8%	10%	0%	73%	<1%	0%	6%	26%	19%	<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%	53%	100%	1%	14%	18%	99%
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%	0%	<1%	<1%	0%	53%	100%	1%	14%	18%	99%
Level 4 - O&M															
Energy	72%	57%	85%	0%	0%	59%	19%	70%	22%	46%	0%	39%	55%	53%	<1%
Materials	13%	21%	11%	0%	0%	22%	60%	24%	<1%	<1%	0%	<1%	4%	9%	<1%
Waste/Services	1%	3%	<1%	0%	0%	2%	1%	<1%	<1%	0%	0%	8%	0%	0%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
On-Site Total	86%	81%	97%	0%	0%	82%	81%	94%	22%	46%	0%	47%	60%	63%	<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%	<1%	0%	<1%	<1%	<1%	<1%
Waste/Services	7%	14%	<1%	0%	0%	8%	7%	3%	3%	0%	0%	41%	0%	0%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
On-Site Total	7%	14%	<1%	0%	0%	8%	7%	3%	3%	<1%	0%	41%	<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 v3															
	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins	
	Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released	
Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs	
Level 1 - Site Invest.																
Energy	<1%	0%	0%	0%	0%	<1%	<1%	<1%	<1%	0%	0%	<1%	0%	0%	0%	0%
Materials	<1%	<1%	<1%	13%	0%	<1%	<1%	<1%	<1%	<1%	0%	<1%	<1%	<1%	<1%	<1%
Waste/Services	<1%	<1%	<1%	0%	0%	<1%	<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%	0%
Site Invest. Total	<1%	<1%	<1%	13%	0%	<1%	<1%	<1%	<1%	<1%	<1%	<1%	<1%	<1%	<1%	<1%
Level 2 - Excavation																
Energy	3%	0%	0%	0%	0%	5%	8%	<1%	2%	0%	0%	<1%	0%	0%	0%	0%
Materials	<1%	<1%	<1%	0%	0%	2%	1%	<1%	<1%	<1%	0%	<1%	11%	9%	<1%	<1%
Waste/Services	<1%	<1%	<1%	0%	0%	1%	2%	<1%	70%	<1%	99%	<1%	15%	9%	<1%	<1%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Excavation Total	3%	<1%	<1%	0%	0%	8%	11%	0%	73%	<1%	99%	<1%	26%	19%	<1%	<1%
Level 3 - Construction																
Energy	<1%	0%	0%	0%	0%	1%	2%	<1%	<1%	0%	0%	<1%	0%	0%	0%	0%
Materials	<1%	<1%	<1%	73%	<1%	<1%	<1%	<1%	<1%	53%	<1%	<1%	14%	18%	99%	99%
Waste/Services	<1%	<1%	<1%	0%	0%	<1%	<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%	0%
Construction Total	<1%	<1%	<1%	73%	<1%	1%	2%	<1%	0%	53%	<1%	<1%	14%	18%	99%	99%
Level 4 - O&M																
Energy	75%	87%	2%	0%	0%	59%	19%	70%	22%	46%	0%	<1%	55%	53%	<1%	<1%
Materials	10%	5%	96%	0%	100%	22%	60%	24%	<1%	<1%	0%	<1%	4%	9%	<1%	<1%
Waste/Services	1%	<1%	<1%	0%	0%	2%	1%	<1%	<1%	0%	0%	<1%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	99%	0%	0%	0%	0%
On-Site Total	86%	92%	99%	0%	100%	83%	80%	94%	22%	46%	0%	99%	60%	63%	<1%	<1%
Level 5 - LTM																
Energy	<1%	0%	0%	0%	0%	<1%	<1%	<1%	<1%	0%	0%	<1%	0%	0%	0%	0%
Materials	<1%	<1%	<1%	0%	0%	<1%	<1%	<1%	<1%	<1%	0%	<1%	<1%	<1%	<1%	<1%
Waste/Services	5%	3%	<1%	0%	0%	8%	7%	3%	3%	0%	0%	<1%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
On-Site Total	5%	3%	<1%	0%	0%	8%	7%	3%	3%	<1%	0%	<1%	<1%	<1%	<1%	<1%
Level 6 - Decomm.																
Energy	<1%	0%	0%	0%	0%	<1%	<1%	<1%	<1%	0%	0%	<1%	0%	0%	0%	0%
Materials	<1%	<1%	<1%	14%	0%	<1%	<1%	<1%	<1%	<1%	0%	<1%	<1%	<1%	<1%	<1%
Waste/Services	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Off-Site Total	<1%	<1%	<1%	14%	0%	<1%	<1%	<1%	<1%	<1%	0%	<1%	<1%	<1%	<1%	<1%

All Levels - Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 4 v3																																
	Quantity Used	Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins		
		Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Extracted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Generated	Conv. Factor	Generated	Conv. Factor	Emitted	Conv. Factor	Released	Conv. Factor	Released	Conv. Factor	Released	
			Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	
Totals			32,000,000.		9,200.		2,700,000.		3.7		2,700,000.		300,000.		830.		27.		16.		0		6,200.		19,000.		0		0		0	
Energy																																
Diesel (on-site)	gal	4639.4163	139	642,100.	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	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	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	31342.983	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	
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	
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
On-site electricity use	MWh	9196.24	3413	31,000,000.	1	9,200.	0	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	9196.24	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	
Electricity production*	MWh	9196.24	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	
Energy Subtotal				32,000,000.		9,200.		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	
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	
Steel	lb	32910	0	0	0	0	0	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	
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	
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	
Concrete	tons	349.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bentonite	ton	0.3	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	
Regenerated GAC	lbs	1400000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Diesel Produced	gal	35982.399	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	
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	
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Groundwater Extracted On-site	gal x 1000	2733132	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	
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	
Potable Water Used	gal x 1000	3.768	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	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Hazardous Waste Generation	ton	6202.54	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	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	
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	
Waste and Other Services Subtotal				0		0		0		0		0		0		0		0		0		6,200.		0		0		0		0		0
Other																																
On-site process emissions (HAPs)	lbs	18880	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	19,000.	0	0	0	0	0		
On-site process emissions (GHGs)	lbs CO2e	192000	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		190,000.		0		0		0		0		0		19,000.		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 4 v3																															
		Quantity Used	Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins		
			Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Extracted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Generated	Conv. Factor	Generated	Conv. Factor	Emitted	Conv. Factor	Released	Conv. Factor	Released	Conv. Factor	Released	
	Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs			
Totals			110,000,000.		3,000.		79,000.		0		0		14,000,000.		58,000.		88,000.		3,800.		18.		0.0072		440.		0.044		0.54		0.000025		
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	31342.983	139	4,380,280.	0	0	0	0	0	0	22.5	700,746.	0.17	5,333.35	0.0054	166.921	0.0034	106.467	0	0	0	0	0.0003	9.41362	0	0	0	0	0	0	0		
Gasoline (off-site use)	gal	24081.2	124	2,942,000.	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	0		
Natural gas (off-site use)	ccf	0	103	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0.29	0	0	0	0	0	0	0	0		
On-site electricity use	MWh	9196.24	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		
Electricity transmission*	MWh	9196.24	410	3,800,000.	0.12	1,100.	0	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	9196.24	7800	72,000,000.	0.06	550.	7.3	67,000.	0	0	0	0	0	800	7,400,000.	0.84	7,700.	6.7	62,000.	0.087	800.	0.0009	8.3	0	0	0.017	160.	3E-06	0.024	3E-05	0.29	9E-12	0.00000079
Energy Subtotal			83,000,000.		1,700.		67,000.		0		0		8,600,000.		16,000.		62,000.		920.		8.3		0		180.		0.024		0.29		0.00000079		
Materials																																	
PVC	lb	3264	22	72,000.	0.0006	1.8	0.0069	23.	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	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	32910	4.4	140,000.	0.0002	6.9	0.0006	21.	0	0	0	1.1	36,000.	0.0014	46.	0.0017	56.	0.0006	18.	0.0003	8.2	0	0	7E-05	2.2	1E-07	0.0033	3E-06	0.082	7E-12	0.00000021		
Stainless Steel	lb	2100	11.6	24,000.	0.0006	1.2	0.0023	4.8	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	0.000000046		
Gravel/sand	ton	5636.7	55	310,640.	0.0027	15.032	0.13	731.5	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	0.00000000008418		
Cement Grout	dry-ton	26.45	4100	108,500.	0.13	3.44	0.41	10.85	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	0.00000002222		
Concrete	tons	349.2	793	280,000.	0.026	9.1	0.19	66.	0	0	0	335	120,000.	0.68	240.	0.41	140.	0.0044	1.5	3E-08	0.0000098	0	0	0.011	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	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	0.00000000019	1E-09	0.00000000036	2E-16	0.000000000000045		
Regenerated GAC	lbs	1400000	9.6	13,000,000.	0.0004	620.	0.0064	9,000.	0	0	0	2	2,800,000.	0.025	35,000.	0.015	21,000.	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	0.4	0	0.003	0	0.0026	0	6E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bioinjection (Cheese Whey)	lbs	0	1.87	0	0	0	0	0	0	0	0	1.1	0	0.0083	0	0.0099	0	0.0002	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bioinjection (Vegetable Oil)	lbs	0	3.6	0	6E-05	0	2E-05	0	0	0	0	3.51	0	0.0265	0	0.031	0	0.0017	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Diesel Produced	gal	35982.399	18.5	665,450.	0.0006	21.304	0.0008	27.869	0	0	0	2.7	96,946.	0.0064	227.26	0.013	466.52	0.0003	12.2183	4E-07	0.0129288	0	0	0.0001	4.2719	5E-08	0.0017272	2E-06	0.054427	3E-14	0.0000000108043		
Gasoline Produced	gal	24526.4	21	513,500.	0.0006	14.334	0.0008	19.18	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	0.000000007648		
Natural Gas Produced	ccf	0	5.2	0	0.0003	0	8E-05	0	0	0	0	2.2	0	0.0037	0	0.0046	0	7E-05	0	0	0	0	0	6E-06	0	2E-08	0	9E-07	0	5E-14	0		
Groundwater Extracted On-site	gal x 1000	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	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	0.5168	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			15,000,000.		690.		9,900.		0		0		3,300,000.		36,000.		22,000.		82.		9.5		0.0072		18.		0.013		0.2		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	3	0	0.0061	0	0.0029	0	8E-05	0	5E-07	0	0	0	0.0001	0	8E-08	0	6E-07	0	1E-12	0		
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Solid Waste Disposal	ton	0	160	0	0.0077	0	0.15	0	0	0	0	25	0	0.14	0	0.075	0	0.4	0	8E-06	0	0	0	0.0014	0	1E-06	0	8E-06	0	1E-11	0	0	
Hazardous Waste Generation	ton	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	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	0.000000081708		
Laboratory Analysis	\$	1103360	8.8	9,704,000.	0.0005																												

All Levels - Total On-Site and Off-Site Parameters - Alternative 4 v3																	
	Quantity Used	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins	
		Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released	
		Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs	
Totals		140,000,000.	12,000.	2,800,000.	3.7	2,700,000.	14,000,000.	59,000.	88,000.	3,800.	18.	6,200.	19,000.	0.044	0.54	0.000025	
Energy																	
Diesel (on-site)	gal	4639.4163	642,100.	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	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	
Diesel (off-site use)	gal	31342.983	4,380,280.	0	0	0	700,746.	5,333.35	166.921	106.467	0	0	9.41362	0	0	0	
Gasoline (off-site use)	gal	24081.2	2,942,000.	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	
On-site electricity use	MWh	9196.24	31,000,000.	9,200.	0	0	0	0	0	0	0	0	0	0	0	0	
Electricity transmission*	MWh	9196.24	3,800,000.	1,100.	0	0	0	0	0	0	0	0	0	0	0	0	
Electricity production*	MWh	9196.24	72,000,000.	550.	67,000.	0	7,400,000.	7,700.	62,000.	800.	8.3	0	160.	0.024	0.29	0.00000079	
Energy Subtotal			110,000,000.	11,000.	67,000.	0	8,700,000.	17,000.	62,000.	940.	8.3	0	180.	0.024	0.29	0.00000079	
Materials																	
PVC	lb	3264	72,000.	1.8	23.	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	3,800.	6.4	8.2	1.3	0.00086	0.002	0.0068	0.0000052	0.0000048	0.000002	
Steel	lb	32910	140,000.	6.9	21.	0	36,000.	46.	56.	18.	8.2	0	2.2	0.0033	0.082	0.00000021	
Stainless Steel	lb	2100	24,000.	1.2	4.8	0	7,100.	16.	25.	9.2	1.3	0	0.3	0	0.0011	0.000000046	
Gravel/sand	ton	5636.7	310,640.	15.032	731.5	0	38,078.	190.39	170.35	23.047	0	0	0.0023048	0.0000036075	0.000006814	0.0000000008418	
Cement Grout	dry-ton	26.45	108,500.	3.44	10.85	0	47,900.	95.1	55.4	0.1714	0	0	1.489	0.001478	0.00344	0.00000002222	
Concrete	tons	349.2	280,000.	9.1	66.	0	120,000.	240.	140.	1.5	0.0000098	0	3.8	0.0035	0.0084	0.0000000056	
Bentonite	ton	0.3	17.	0.00081	0.039	0	2.	0.0099	0.009	0.0012	0	0	0.00000012	0.00000000019	0.00000000036	0.000000000000045	
Regenerated GAC	lbs	1400000	13,000,000.	620.	9,000.	0	2,800,000.	35,000.	21,000.	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	
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Diesel Produced	gal	35982.399	665,450.	21.304	27.869	0	96,946.	227.26	466.52	12.2183	0.0129288	0	4.2719	0.0017272	0.054427	0.0000000108043	
Gasoline Produced	gal	24526.4	513,500.	14.334	19.18	0	107,830.	191.9	467.	13.084	0.01029	0	3.948	0.002032	0.05383	0.000000007648	
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Groundwater Extracted On-site	gal x 1000	2733132	0	0	2,700,012.	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	19.1	0.037	0.0221	0.0604	0.0000316	0	0.0000563	0.000000314	0.00000249	0.000000000000372	
Potable Water Transported	gal x 1000	3.768	27.6	0.00246	0.0179	0	1.93	0.00205	0.0165	0.000207	0.0000219	0	0	0.00001	0.000000149	0.000000000000111	
Potable Water Used	gal x 1000	3.768	0	0	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	
Materials Subtotal			15,000,000.	690.	2,700,000.	3.7	2,700,000.	3,300,000.	36,000.	22,000.	82.	9.5	0.0072	18.	0.013	0.2	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	
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Hazardous Waste Generation	ton	6202.54	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	171,437.	958.31	514.41	2,723.59	0.054472	0	9.5831	0.0066574	0.051451	0.00000081708	
Laboratory Analysis	\$	1103360	9,704,000.	550.3	615.78	0	1,409,000.	4,988.3	3,325.2	125.87	0	0	230.79	0	0	0	
Waste and Other Services Subtotal			11,000,000.	600.	1,600.	0	1,600,000.	5,900.	3,800.	2,800.	0.054	6,200.	240.	0.0067	0.051	0.00000082	
Other																	
On-site process emissions (HAPs)	lbs	18880	0	0	0	0	0	0	0	0	0	0	19,000.	0	0	0	
On-site process emissions (GHGs)	lbs CO2e	192000	0	0	0	0	190,000.	0	0	0	0	0	0	0	0	0	
Other Subtotal			0	0	0	0	190,000.	0	0	0	0	0	19,000.	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

		Level 1 (Site Invest.) Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 4 v3																														
		Quantity Used	Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
			Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Extracted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Generated	Conv. Factor	Generated	Conv. Factor	Emitted	Conv. Factor	Released	Conv. Factor	Released	Conv. Factor	Released
	Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs			
Totals			34,000.		0		0.5		0.5		0		5,600.		42.		1.3		0.84		0		1.3		0.074		0		0		0	
Energy																																
Diesel (on-site)	gal	248.192	139	34,000.	0	0	0	0	0	0	0	22.5	5,600.	0.17	42.	0.0054	1.3	0.0034	0.84	0	0	0	0	0.0003	0.074	0	0	0	0	0		
Gasoline (on-site use)	gal	0	124	0	0	0	0	0	0	0	0	19.6	0	0.11	0	0.0045	0	0.0005	0	0	0	0	0	0.0003	0	0	0	0	0	0		
Natural gas (on-site use)	ccf	0	103	0	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0.29	0	0	0	0	0	0		
Diesel (off-site use)	gal	76.0376	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Gasoline (off-site use)	gal	143.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
On-site electricity use	MWh	0	3413	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Electricity transmission*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Electricity production*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Energy Subtotal			34,000.		0		0		0		0		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		
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Gravel/sand	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Cement Grout	dry-ton	0.85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Concrete	tons	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Bentonite	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Diesel Produced	gal	324.2296	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Gasoline Produced	gal	143.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Groundwater Extracted On-site	gal x 1000	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Potable Water Produced	gal x 1000	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Potable Water Transported	gal x 1000	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Potable Water Used	gal x 1000	0.5	0	0	0	1	0.5	1	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Other On-Site Water Used	gal x 1000	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Materials Subtotal			0		0		0.5		0.5		0		0		0		0		0		0		0		0		0		0		0	
Waste and Other Services																																
Off-site waste water treatment	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0		
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Hazardous Waste Generation	ton	1.34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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		
Laboratory Analysis	\$	60220	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Waste and Other Services Subtotal			0		0		0		0		0		0		0		0		0		0		1.3		0		0		0		0	
Other																																
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0		
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Other Subtotal			0		0		0		0		0		0		0		0		0		0		0		0		0		0		0	

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

Level 1 (Site Invest.) Total On-Site and Off-Site Parameters - Alternative 4 v3																
	Quantity Used	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
		Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
		Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Totals		610,000.	30.	35.	0.5	0	91,000.	350.	190.	8.9	0.00019	1.3	13.	0.000078	0.00093	0.0000000001
Energy																
Diesel (on-site)	gal	248.192	34,000.	0	0	0	5,600.	42.	1.3	0.84	0	0	0.074	0	0	0
Gasoline (on-site use)	gal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural gas (on-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel (off-site use)	gal	76.0376	11,000.	0	0	0	1,700.	13.	0.41	0.26	0	0	0.023	0	0	0
Gasoline (off-site use)	gal	143.2	18,000.	0	0	0	2,800.	16.	0.64	0.077	0	0	0.043	0	0	0
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site electricity use	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity transmission*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity production*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Energy Subtotal		63,000.	0	0	0	0	10,000.	71.	2.4	1.2	0	0	0.14	0	0	0
Materials																
PVC	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gravel/sand	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cement Grout	dry-ton	0.85	3,500.	0.11	0.35	0	1,500.	3.1	1.8	0.0054	0	0	0.049	0.000048	0.00011	0.000000000072
Concrete	tons	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bentonite	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Produced	gal	324.2296	6,000.	0.19	0.25	0	880.	2.1	4.2	0.11	0.00012	0	0.039	0.000016	0.00049	0.000000000097
Gasoline Produced	gal	143.2	3,000.	0.084	0.11	0	630.	1.1	2.7	0.074	0.00006	0	0.023	0.000012	0.00032	0.000000000044
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Groundwater Extracted On-site	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Produced	gal x 1000	0.5	4.6	0.00022	0.011	0	2.5	0.0049	0.003	0.008	0.0000042	0	0.0000075	0.000000041	0.00000034	0.000000000005
Potable Water Transported	gal x 1000	0.5	3.7	0.00032	0.0024	0	0.26	0.00027	0.0022	0.000028	0.0000029	0	0	0.0000013	0.00000019	0.0000000000015
Potable Water Used	gal x 1000	0.5	0	0	0.5	0	0	0	0	0	0	0	0	0	0	0
Other On-Site Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials Subtotal		13,000.	0.38	1.2	0.5	0	3,000.	6.3	8.7	0.2	0.00018	0	0.11	0.000077	0.00092	0.000000000086
Waste and Other Services																
Off-site waste water treatment	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Generation	ton	1.34	0	0	0	0	0	0	0	0	0	1.3	0	0	0	0
Hazardous Waste Disposal	ton	1.34	240.	0.011	0.22	0	37.	0.21	0.11	0.59	0.000012	0	0.0021	0.0000014	0.000011	0.000000000018
Laboratory Analysis	\$	60220	530,000.	30.	34.	0	78,000.	270.	180.	6.9	0	0	13.	0	0	0
Waste and Other Services Subtotal		530,000.	30.	34.	0	0	78,000.	270.	180.	7.5	0.000012	1.3	13.	0.000014	0.000011	0.000000000018
Other																
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Subtotal		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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

		Level 2 (Excavation) Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 4 v3																														
		Quantity Used	Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
			Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Generated	Conv. Factor	Generated	Conv. Factor	Emitted	Conv. Factor	Released	Conv. Factor	Released	Conv. Factor	Released
	Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs			
Totals			85,000.		0		0		0		0		14,000.		100.		3.3		2.1		0		6,100.		0.18		0		0		0	
Energy																																
Diesel (on-site)	gal	614.58432	139	85,000.	0	0	0	0	0	0	0	22.5	14,000.	0.17	100.	0.0054	3.3	0.0034	2.1	0	0	0	0	0.0003	0.18	0	0	0	0	0		
Gasoline (on-site use)	gal	0	124	0	0	0	0	0	0	0	0	19.6	0	0.11	0	0.0045	0	0.0005	0	0	0	0	0	0.0003	0	0	0	0	0	0		
Natural gas (on-site use)	ccf	0	103	0	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0.29	0	0	0	0	0	0		
Diesel (off-site use)	gal	26422.54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Gasoline (off-site use)	gal	307.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
On-site electricity use	MWh	0	3413	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Electricity transmission*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Electricity production*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Energy Subtotal				85,000.		0		0		0			14,000.		100.		3.3		2.1		0		6,100.		0.18		0		0		0	
Materials																																
PVC	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Gravel/sand	ton	5625	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Cement Grout	dry-ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Concrete	tons	349.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Bentonite	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Diesel Produced	gal	27037.124	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Gasoline Produced	gal	307.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Groundwater Extracted On-site	gal x 1000	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Potable Water Produced	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Potable Water Transported	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Potable Water Used	gal x 1000	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Other On-Site Water Used	gal x 1000	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Materials Subtotal				0		0		0		0			0		0		0		0		0		0		0		0		0		0	
Waste and Other Services																																
Off-site waste water treatment	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0		
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Hazardous Waste Generation	ton	6148.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6,100.	0	0	0	0	0	0	0	0		
Hazardous Waste Disposal	ton	6148.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Laboratory Analysis	\$	7100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Waste and Other Services Subtotal				0		0		0		0			0		0		0		0		0		6,100.		0		0		0		0	
Other																																
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0		
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Other Subtotal				0		0		0		0			0		0		0		0		0		0		0		0		0		0	

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

		Level 2 (Excavation) Total On-Site and Off-Site Parameters - Alternative 4 v3															
		Quantity Used	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
			Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
			Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Totals			6,100,000.	96.	1,800.	0	0	1,000,000.	6,200.	1,300.	2,800.	0.064	6,100.	26.	0.011	0.1	0.000000087
Energy																	
Diesel (on-site)	gal	614.58432	85,000.	0	0	0	0	14,000.	100.	3.3	2.1	0	0	0.18	0	0	0
Gasoline (on-site use)	gal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural gas (on-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel (off-site use)	gal	26422.54	3,700,000.	0	0	0	0	590,000.	4,500.	140.	90.	0	0	7.9	0	0	0
Gasoline (off-site use)	gal	307.2	38,000.	0	0	0	0	6,000.	34.	1.4	0.17	0	0	0.092	0	0	0
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site electricity use	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity transmission*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity production*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Energy Subtotal			3,800,000.	0	0	0	0	610,000.	4,600.	140.	92.	0	0	8.2	0	0	0
Materials																	
PVC	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gravel/sand	ton	5625	310,000.	15.	730.	0	0	38,000.	190.	170.	23.	0	0	0.0023	0.00000036	0.0000068	0.000000000084
Cement Grout	dry-ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Concrete	tons	349.2	280,000.	9.1	66.	0	0	120,000.	240.	140.	1.5	0.0000098	0	3.8	0.0035	0.0084	0.0000000056
Bentonite	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Produced	gal	27037.124	500,000.	16.	21.	0	0	73,000.	170.	350.	9.2	0.0097	0	3.2	0.0013	0.041	0.00000000081
Gasoline Produced	gal	307.2	6,500.	0.18	0.24	0	0	1,400.	2.5	5.8	0.16	0.00013	0	0.049	0.000026	0.00068	0.000000000095
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Groundwater Extracted On-site	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Produced	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Transported	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other On-Site Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials Subtotal			1,100,000.	40.	820.	0	0	230,000.	600.	670.	34.	0.0098	0	7.1	0.0048	0.05	0.000000064
Waste and Other Services																	
Off-site waste water treatment	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Generation	ton	6148.8	0	0	0	0	0	0	0	0	0	6,100.	0	0	0	0	0
Hazardous Waste Disposal	ton	6148.8	1,100,000.	52.	1,000.	0	0	170,000.	950.	510.	2,700.	0.054	0	9.5	0.0066	0.051	0.000000081
Laboratory Analysis	\$	7100	62,000.	3.6	4.	0	0	9,200.	32.	21.	0.81	0	0	1.5	0	0	0
Waste and Other Services Subtotal			1,200,000.	56.	1,000.	0	0	180,000.	980.	530.	2,700.	0.054	6,100.	11.	0.0066	0.051	0.000000081
Other																	
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Subtotal			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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

		Level 3 (Construction) Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 4 v3																														
		Quantity Used	Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
			Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Generated	Conv. Factor	Generated	Conv. Factor	Emitted	Conv. Factor	Released	Conv. Factor	Released	Conv. Factor	Released
	Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs		
Totals			520,000.	0	15.	2.7	12.	84,000.	640.	20.	13.	0	52.	1.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Energy																																
Diesel (on-site)	gal	3754.24	139	520,000.	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		
Gasoline (on-site use)	gal	0	124	0	0	0	0	0	0	0	0	19.6	0	0.11	0	0.0045	0	0.0005	0	0	0	0	0	0.0003	0	0	0	0	0	0		
Natural gas (on-site use)	ccf	0	103	0	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0.29	0	0	0	0	0	0		
Diesel (off-site use)	gal	642.355	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		
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		
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
On-site electricity use	MWh	0	3413	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Electricity transmission*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Electricity production*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Energy Subtotal			520,000.	0	15.	2.7	12.	84,000.	640.	20.	13.	0	52.	1.1	0	0	0	0	0	0	0	0	0	0	0	0	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		
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		
Steel	lb	32910	0	0	0	0	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		
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		
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		
Concrete	tons	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Bentonite	ton	0.3	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		
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Diesel Produced	gal	4396.595	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		
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		
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Groundwater Extracted On-site	gal x 1000	12	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		
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		
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		
Potable Water Used	gal x 1000	2.745	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		
Other On-Site Water Used	gal x 1000	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Materials Subtotal			0	0	15.	2.7	12.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Waste and Other Services																																
Off-site waste water treatment	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0		
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Hazardous Waste Generation	ton	52.4	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		
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		
Waste and Other Services Subtotal			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	52.	0	0	0	0	0	0	0			
Other																																
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0			
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Other Subtotal			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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 v3																														
		Quantity Used	Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
			Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Extracted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Generated	Conv. Factor	Generated	Conv. Factor	Emitted	Conv. Factor	Released	Conv. Factor	Released
	Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs		
Totals			780,000.		18.		77.		0		0		160,000.		470.		260.		61.		9.5		0.0072		7.		0.006		0.096		0.00025	
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		
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		
Natural gas (on-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Diesel (off-site use)	gal	642.355	139	89,000.	0	0	0	0	0	0	0	22.5	14,000.	0.17	110.	0.0054	3.5	0.0034	2.2	0	0	0	0	0.0003	0.19	0	0	0	0	0		
Gasoline (off-site use)	gal	1352.4	124	170,000.	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	0.0003	0.41	0	0	0	0	0			
Natural gas (off-site use)	ccf	0	103	0	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0.29	0	0	0	0	0	0			
On-site electricity use	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
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			
Electricity production*	MWh	0	7800	0	0.06	0	7.3	0	0	0	0	800	0	0.84	0	6.7	0	0.087	0	0.0009	0	0	0	0.017	0	3E-06	0	3E-05	0	9E-12		
Energy Subtotal			260,000.		0		0		0		0		41,000.		260.		9.6		2.9		0		0		0.6		0		0			
Materials																																
PVC	lb	3264	22	72,000.	0.0006	1.8	0.0069	23.	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	0.00023	
HDPE	lb	2000	31	62,000.	0.0003	0.5	0.0023	4.6	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	32910	4.4	140,000.	0.0002	6.9	0.0006	21.	0	0	0	1.1	36,000.	0.0014	46.	0.0017	56.	0.0006	18.	0.0003	8.2	0	0	7E-05	2.2	1E-07	0.0033	3E-06	0.082	7E-12	0.00000021	
Stainless Steel	lb	2100	11.6	24,000.	0.0006	1.2	0.0023	4.8	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	0.000000046	
Gravel/sand	ton	11.7	55	640.	0.0027	0.032	0.13	1.5	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	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	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	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	0.00000000019	1E-09	0.00000000036	2E-16	0.000000000000045	
Regenerated GAC	lbs	0	9.6	0	0.0004	0	0.0064	0	0	0	0	2	0	0.025	0	0.015	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bioinjection (Molasses)	lbs	0	1.31	0	5E-06	0	9E-05	0	0	0	0	0.4	0	0.003	0	0.0026	0	6E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bioinjection (Cheese Whey)	lbs	0	1.87	0	0	0	0	0	0	0	0	1.1	0	0.0083	0	0.0099	0	0.0002	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bioinjection (Vegetable Oil)	lbs	0	3.6	0	6E-05	0	2E-05	0	0	0	0	3.51	0	0.0265	0	0.031	0	0.0017	0	0	0	0	0	0	0	0	0	0	0	0	0	
Diesel Produced	gal	4396.595	18.5	81,000.	0.0006	2.6	0.0008	3.4	0	0	0	2.7	12,000.	0.0064	28.	0.013	57.	0.0003	1.5	4E-07	0.0016	0	0	0.0001	0.53	5E-08	0.00021	2E-06	0.0066	3E-14	0.00000000013	
Gasoline Produced	gal	1352.4	21	28,000.	0.0006	0.8	0.0008	1.1	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	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	
Potable Water Produced	gal x 1000	2.745	9.2	25.	0.0004	0.0012	0.021	0.058	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	0.5168	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	
Other On-Site Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Materials Subtotal			500,000.		17.		68.		0		0		120,000.		200.		240.		35.		9.5		0.0072		6.		0.0059		0.096		0.00025	
Waste and Other Services																																
Off-site waste water treatment	gal x 1000	0	3.7	0	0.0002	0	0.0008	0	0	0	0	3	0	0.0061	0	0.0029	0	8E-05	0	5E-07	0	0	0	0.0001	0	8E-08	0	6E-07	0	1E-12	0	
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Solid Waste Disposal	ton	0	160	0	0.0077	0	0.15	0	0	0	0	25	0	0.14	0	0.075	0	0.4	0	8E-06	0	0	0	0.0014	0	1E-06	0	8E-06	0	1E-11	0	
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	
Hazardous Waste Disposal	ton	52.4	176	9,200.	0.0085	0.45	0.165	8.6	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	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									

		Level 3 (Construction) Total On-Site and Off-Site Parameters - Alternative 4 v3														
	Quantity Used	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
		Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
		Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Totals		1,300,000.	18.	92.	2.7	12.	250,000.	1,100.	280.	74.	9.5	52.	8.1	0.006	0.096	0.000025
Energy																
Diesel (on-site)	gal	3754.24	520,000.	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
Natural gas (on-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel (off-site use)	gal	642.355	89,000.	0	0	0	14,000.	110.	3.5	2.2	0	0	0.19	0	0	0
Gasoline (off-site use)	gal	1352.4	170,000.	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
On-site electricity use	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity transmission*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity production*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Energy Subtotal		780,000.	0	0	0	0	130,000.	900.	30.	16.	0	0	1.7	0	0	0
Materials																
PVC	lb	3264	72,000.	1.8	23.	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	3,800.	6.4	8.2	1.3	0.00086	0.002	0.0068	0.0000052	0.0000048	0.000002
Steel	lb	32910	140,000.	6.9	21.	0	36,000.	46.	56.	18.	8.2	0	2.2	0.0033	0.082	0.0000021
Stainless Steel	lb	2100	24,000.	1.2	4.8	0	7,100.	16.	25.	9.2	1.3	0	0.3	0	0.0011	0.000000046
Gravel/sand	ton	11.7	640.	0.032	1.5	0	78.	0.39	0.35	0.047	0	0	0.0000048	0.0000000075	0.000000014	0.00000000000018
Cement Grout	dry-ton	21.5	88,000.	2.8	8.8	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
Bentonite	ton	0.3	17.	0.00081	0.039	0	2.	0.0099	0.009	0.0012	0	0	0.00000012	0.00000000000019	0.00000000000036	0.000000000000045
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Produced	gal	4396.595	81,000.	2.6	3.4	0	12,000.	28.	57.	1.5	0.0016	0	0.53	0.00021	0.0066	0.00000000013
Gasoline Produced	gal	1352.4	28,000.	0.8	1.1	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
Groundwater Extracted On-site	gal x 1000	12	0	0	12.	0	0	0	0	0	0	0	0	0	0	0
Potable Water Produced	gal x 1000	2.745	25.	0.0012	0.058	0	14.	0.027	0.016	0.044	0.0000023	0	0.0000041	0.000000023	0.000000018	0.00000000000027
Potable Water Transported	gal x 1000	2.745	20.	0.0018	0.013	0	1.4	0.0015	0.012	0.00015	0.0000016	0	0	0.0000073	0.000000011	0.000000000000081
Potable Water Used	gal x 1000	2.745	0	0	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
Materials Subtotal		500,000.	17.	83.	2.7	12.	120,000.	200.	240.	35.	9.5	0.0072	6.	0.0059	0.096	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
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Generation	ton	52.4	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	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	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
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Subtotal		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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

		Level 4 (O&M) Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 4 v3																														
		Quantity Used	Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
			Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Generated	Conv. Factor	Generated	Conv. Factor	Emitted	Conv. Factor	Released	Conv. Factor	Released	Conv. Factor	Released
	Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs		
Totals			31,000,000.		9,200.		2,700,000.		0		2,700,000.		190,000.		0		0		0		0		0		19,000.		0		0		0	
Energy																																
Diesel (on-site)	gal	0	139	0	0	0	0	0	0	0	0	22.5	0	0.17	0	0.0054	0	0.0034	0	0	0	0	0	0.0003	0	0	0	0	0	0		
Gasoline (on-site use)	gal	0	124	0	0	0	0	0	0	0	0	19.6	0	0.11	0	0.0045	0	0.0005	0	0	0	0	0	0.0003	0	0	0	0	0	0		
Natural gas (on-site use)	ccf	0	103	0	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0.29	0	0	0	0	0	0		
Diesel (off-site use)	gal	4200	0	0	0	0	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		
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
On-site electricity use	MWh	9196.24	3413	31,000,000.	1	9,200.	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	9196.24	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		
Electricity production*	MWh	9196.24	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		
Energy Subtotal			31,000,000.		9,200.		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		
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Gravel/sand	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Cement Grout	dry-ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Concrete	tons	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Bentonite	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Regenerated GAC	lbs	1400000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Diesel Produced	gal	4200	0	0	0	0	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		
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Groundwater Extracted On-site	gal x 1000	2733120	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		
Potable Water Produced	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Potable Water Transported	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Potable Water Used	gal x 1000	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Other On-Site Water Used	gal x 1000	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Materials Subtotal			0		0		2,700,000.		0		2,700,000.		0		0		0		0		0		0		0		0		0			
Waste and Other Services																																
Off-site waste water treatment	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0		
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Hazardous Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0		
Hazardous Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Laboratory Analysis	\$	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		
Waste and Other Services Subtotal			0		0		0		0		0		0		0		0		0		0		0		0		0		0			
Other																																
On-site process emissions (HAPs)	lbs	18880	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	19,000.	0	0	0	0	0		
On-site process emissions (GHGs)	lbs CO2e	192000	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		
Other Subtotal			0		0		0		0		0		190,000.		0		0		0		0		0		19,000.		0		0			

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

		Level 4 (O&M) Total On-Site and Off-Site Parameters - Alternative 4 v3															
		Quantity Used	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
			Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
			Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Totals			130,000,000.	12,000.	2,800,000.	0	2,700,000.	11,000,000.	47,000.	84,000.	860.	8.3	0	19,000.	0.026	0.34	0.00000008
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	4200	580,000.	0	0	0	95,000.	710.	23.	14.	0	0	1.3	0	0	0	0
Gasoline (off-site use)	gal	20512	2,500,000.	0	0	0	400,000.	2,300.	92.	11.	0	0	6.2	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
On-site electricity use	MWh	9196.24	31,000,000.	9,200.	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity transmission*	MWh	9196.24	3,800,000.	1,100.	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity production*	MWh	9196.24	72,000,000.	550.	67,000.	0	7,400,000.	7,700.	62,000.	800.	8.3	0	160.	0.024	0.29	0.00000079	
Energy Subtotal			110,000,000.	11,000.	67,000.	0	7,900,000.	11,000.	62,000.	830.	8.3	0	170.	0.024	0.29	0.00000079	
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	1400000	13,000,000.	620.	9,000.	0	2,800,000.	35,000.	21,000.	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	4200	78,000.	2.5	3.2	0	11,000.	27.	55.	1.4	0.0015	0	0.5	0.0002	0.0063	0.0000000013	
Gasoline Produced	gal	20512	430,000.	12.	16.	0	90,000.	160.	390.	11.	0.0086	0	3.3	0.0017	0.045	0.0000000064	
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			14,000,000.	630.	2,700,000.	0	2,700,000.	2,900,000.	35,000.	21,000.	12.	0.01	0	3.8	0.0019	0.051	0.0000000077
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	\$	172800	1,500,000.	86.	97.	0	220,000.	780.	520.	20.	0	0	36.	0	0	0	0
Waste and Other Services Subtotal			1,500,000.	86.	97.	0	220,000.	780.	520.	20.	0	0	36.	0	0	0	0
Other																	
On-site process emissions (HAPs)	lbs	18880	0	0	0	0	0	0	0	0	0	0	19,000.	0	0	0	0
On-site process emissions (GHGs)	lbs CO2e	192000	0	0	0	0	190,000.	0	0	0	0	0	0	0	0	0	0
Other Subtotal			0	0	0	0	190,000.	0	0	0	0	0	19,000.	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 4 v3																														
		Quantity Used	Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
			Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Generated	Conv. Factor	Generated	Conv. Factor	Emitted	Conv. Factor	Released	Conv. Factor	Released	Conv. Factor	Released
	Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs			
Totals			55,000.	0	0	0	0	0	0	0	0	8,700.	49.	2.	0.24	0	0	0	0.13	0	0	0	0	0	0	0	0	0	0	0		
Energy																																
Diesel (on-site)	gal	0	139	0	0	0	0	0	0	0	0	22.5	0	0.17	0	0.0054	0	0.0034	0	0	0	0	0	0.0003	0	0	0	0	0	0		
Gasoline (on-site use)	gal	445.2	124	55,000.	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			
Natural gas (on-site use)	ccf	0	103	0	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0.29	0	0	0	0	0			
Diesel (off-site use)	gal	0	0	0	0	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			
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
On-site electricity use	MWh	0	3413	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Electricity transmission*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Electricity production*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Energy Subtotal			55,000.	0	0	0	0	0	0	0	0	8,700.	49.	2.	0.24	0	0	0	0.13	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			
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Gravel/sand	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Cement Grout	dry-ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Concrete	tons	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Bentonite	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Diesel Produced	gal	0	0	0	0	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			
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Groundwater Extracted On-site	gal x 1000	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Potable Water Produced	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Potable Water Transported	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Potable Water Used	gal x 1000	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Other On-Site Water Used	gal x 1000	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Materials Subtotal			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Waste and Other Services																																
Off-site waste water treatment	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0			
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Hazardous Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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			
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			
Waste and Other Services Subtotal			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Other																																
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0			
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Other Subtotal			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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 4 v3																														
		Quantity Used	Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
			Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Extracted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Generated	Conv. Factor	Generated	Conv. Factor	Emitted	Conv. Factor	Released	Conv. Factor	Released	Conv. Factor	Released
	Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs	lbs	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		0.0000000006	
Energy																																
Diesel (on-site)	gal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Gasoline (on-site use)	gal	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		
Natural gas (on-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Diesel (off-site use)	gal	0	139	0	0	0	0	0	0	0	0	22.5	0	0.17	0.0054	0	0.0034	0	0	0	0	0	0	0.0003	0	0	0	0	0	0		
Gasoline (off-site use)	gal	1478.4	124	180,000.	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	0.0003	0.44	0	0	0	0	0	0		
Natural gas (off-site use)	ccf	0	103	0	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0.29	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		
Electricity transmission*	MWh	0	410	0	0.12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Electricity production*	MWh	0	7800	0	0.06	0	7.3	0	0	0	0	800	0	0.84	0	6.7	0	0.087	0	0.0009	0	0	0	0.017	0	3E-06	0	3E-05	0	9E-12		
Energy Subtotal			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	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		
HDPE	lb	0	31	0	0.0003	0	0.0023	0	0	0	0	1.9	0	0.0032	0	0.0041	0	0.0006	0	4E-07	0	1E-06	0	3E-06	0	3E-09	0	2E-09	0	1E-09		
Steel	lb	0	4.4	0	0.0002	0	0.0006	0	0	0	0	1.1	0	0.0014	0	0.0017	0	0.0006	0	0.0003	0	0	0	7E-05	0	1E-07	0	3E-06	0	7E-12		
Stainless Steel	lb	0	11.6	0	0.0006	0	0.0023	0	0	0	0	3.4	0	0.0075	0	0.012	0	0.0044	0	0.0006	0	0	0	0.0001	0	0	0	5E-07	0	2E-12		
Gravel/sand	ton	0	55	0	0.0027	0	0.13	0	0	0	0	6.7	0	0.033	0	0.03	0	0.004	0	0	0	0	0	4E-07	0	6E-11	0	1E-09	0	2E-16		
Cement Grout	dry-ton	0	4100	0	0.13	0	0.41	0	0	0	0	1800	0	3.6	0	2.1	0	0.0063	0	0	0	0	0	0.058	0	6E-05	0	0.0001	0	9E-11		
Concrete	tons	0	793	0	0.026	0	0.19	0	0	0	0	335	0	0.68	0	0.41	0	0.0044	0	3E-08	0	0	0	0.011	0	1E-05	0	2E-05	0	2E-11		
Bentonite	ton	0	55	0	0.0027	0	0.13	0	0	0	0	6.7	0	0.033	0	0.03	0	0.004	0	0	0	0	0	4E-07	0	6E-11	0	1E-09	0	2E-16		
Regenerated GAC	lbs	0	9.6	0	0.0004	0	0.0064	0	0	0	0	2	0	0.025	0	0.015	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Bioinjection (Molasses)	lbs	0	1.31	0	5E-06	0	9E-05	0	0	0	0	0.4	0	0.003	0	0.0026	0	6E-05	0	0	0	0	0	0	0	0	0	0	0	0		
Bioinjection (Cheese Whey)	lbs	0	1.87	0	0	0	0	0	0	0	0	1.1	0	0.0083	0	0.0099	0	0.0002	0	0	0	0	0	0	0	0	0	0	0	0		
Bioinjection (Vegetable Oil)	lbs	0	3.6	0	6E-05	0	2E-05	0	0	0	0	3.51	0	0.0265	0	0.031	0	0.0017	0	0	0	0	0	0	0	0	0	0	0	0		
Diesel Produced	gal	0	18.5	0	0.0006	0	0.0008	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		
Gasoline Produced	gal	1923.6	21	40,000.	0.0006	1.1	0.0008	1.5	0	0	0	4.4	8,500.	0.008	15.	0.019	37.	0.0005	4.1	4E-07	0.00081	0	0	0.0002	0.31	9E-08	0.00016	2E-06	0.0042	3E-14		
Natural Gas Produced	ccf	0	5.2	0	0.0003	0	8E-05	0	0	0	0	2.2	0	0.0037	0	0.0046	0	7E-05	0	0	0	0	0	6E-06	0	2E-08	0	9E-07	0	5E-14		
Groundwater Extracted On-site	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Potable Water Produced	gal x 1000	0	9.2	0	0.0004	0	0.021	0	0	0	0	5	0	0.0097	0	0.0059	0	0.016	0	8E-07	0	0	0	2E-05	0	8E-09	0	7E-08	0	1E-13		
Potable Water Transported	gal x 1000	0	7.4	0	0.0006	0	0.0047	0	0	0	0	0.5168	0	0.0005	0	0.0043	0	6E-05	0	6E-07	0	0	0	0	0	3E-06	0	4E-08	0	3E-14		
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		
Other On-Site Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Materials Subtotal			40,000.		1.1		1.5		0		0		8,500.		15.		37.		1.		0.00081		0		0.31		0.00016		0.0042		0.0000000006	
Waste and Other Services																																
Off-site waste water treatment	gal x 1000	0	3.7	0	0.0002	0	0.0008	0	0	0	0	3	0	0.0061	0	0.0029	0	8E-05	0	5E-07	0	0	0	0.0001	0	8E-08	0	6E-07	0	1E-12		
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		
Solid Waste Disposal	ton	0	160	0	0.0077	0	0.15	0	0	0	0	25	0	0.14	0	0.075	0	0.4	0	8E-06	0	0	0	0.0014	0	1E-06	0	8E-06	0	1E-11		
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		
Hazardous Waste Disposal	ton	0	176	0	0.0085	0	0.165	0	0	0	0	27.5	0	0.154	0	0.0825	0	0.44	0	9E-06	0	0	0	0.0015	0	1E-06	0	8E-06	0	1E-11		
Laboratory Analysis	\$	861840	8.8	7,600,000.	0.0005	430.	0.0006	480.	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		
Waste and Other Services Subtotal				7,600,000.		430.		480.		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		
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		
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) Total On-Site and Off-Site Parameters - Alternative 4 v3														
	Quantity Used	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
		Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
		Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Totals		7,900,000.	430.	480.	0	0	1,100,000.	4,100.	2,600.	100.	0.00081	0	180.	0.00016	0.0042	0.0000000006
Energy																
Diesel (on-site)	gal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gasoline (on-site use)	gal	445.2	55,000.	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
Diesel (off-site use)	gal	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	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
On-site electricity use	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity transmission*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity production*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Energy Subtotal		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
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gravel/sand	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cement Grout	dry-ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Concrete	tons	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bentonite	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	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
Gasoline Produced	gal	1923.6	40,000.	1.1	1.5	0	8,500.	15.	37.	1.	0.00081	0	0.31	0.00016	0.0042	0.0000000006
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Groundwater Extracted On-site	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Produced	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Transported	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other On-Site Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials Subtotal		40,000.	1.1	1.5	0	0	8,500.	15.	37.	1.	0.00081	0	0.31	0.00016	0.0042	0.0000000006
Waste and Other Services																
Off-site waste water treatment	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Laboratory Analysis	\$	861840	7,600,000.	430.	480.	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
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Subtotal		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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

Level 6 (Decomm.) Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 4 v3																															
	Quantity Used	Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
		Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Extracted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Generated	Conv. Factor	Generated	Conv. Factor	Emitted	Conv. Factor	Released	Conv. Factor	Released	Conv. Factor	Released
			Mbtu		MWh		gal x 1000		gal x 1000		gal x 1000		lbs		lbs		lbs		lbs		tons		tons		lbs		lbs		lbs		lbs
Totals			3,100.		0		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	22.5	500.	0.17	3.8	0.0054	0.12	0.0034	0.076	0	0	0	0	0.0003	0.0067	0	0	0	0	0	0
Gasoline (on-site use)	gal	0	124	0	0	0	0	0	0	0	0	19.6	0	0.11	0	0.0045	0	0.0005	0	0	0	0	0	0.0003	0	0	0	0	0	0	0
Natural gas (on-site use)	ccf	0	103	0	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0.29	0	0	0	0	0	0	0
Diesel (off-site use)	gal	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
Gasoline (off-site use)	gal	288	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site electricity use	MWh	0	3413	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity transmission*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity production*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Energy Subtotal			3,100.		0		0		0		0		500.		3.8		0.12		0.076		0		0		0.0067		0		0		0
Materials																															
PVC	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gravel/sand	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cement Grout	dry-ton	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
Concrete	tons	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bentonite	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Produced	gal	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
Gasoline Produced	gal	288	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Groundwater Extracted On-site	gal x 1000	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Produced	gal x 1000	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
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
Potable Water Used	gal x 1000	0.523	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
Other On-Site Water Used	gal x 1000	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials Subtotal			0		0		0.52		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
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Laboratory Analysis	\$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste and Other Services Subtotal			0		0		0		0		0		0		0		0		0		0		0		0		0		0		0
Other																															
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Subtotal			0		0		0		0		0		0		0		0		0		0		0		0		0		0		0

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

		Level 6 (Decomm.) Total On-Site and Off-Site Parameters - Alternative 4 v3															
		Quantity Used	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
			Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
			Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Totals			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	0.0000000000073
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	0.0000044	0	0.0000078	0.000000043	0.000000035	0.0000000000052
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	0.0000000000015
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

Alternative:

Alternative Name:

Path Name:

Main File Name:

Reference File Name:

Module File Name:

Alternative 4 v4

No GAC + No POTW + RE

Green Remediation Tool Main.xlsx

Green Remediation Tool Reference Renewable.xlsx

alternative 4 v3 inventory modules.xlsx

Variables In Alternative:

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

Usage Input - Alternative 4 v4

	Abbreviation	Units	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Total
			Site Invest.	Excavation	Construction	O&M	LTM	Decomm.	
Energy									
Diesel (on-site)	Diesel-On	gal	248.192	614.5843	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	642.355	4200	0	2.05	31342.98
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	9196.24	0	0	9196.24
Electricity transmission*	Elec. Trans	MWh	0	0	0	9196.24	0	0	9196.24
Electricity production*	Elec. Prod	MWh	0	0	0	9196.24	0	0	9196.24
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	32910	0	0	0	32910
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	1400000	0	0	1400000
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	4396.595	4200	0	24.45	35982.4
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	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	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	18880	0	0	18880
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 v4														
	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
	Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Level 1 - Site Invest.															
Energy	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	31,000,000.	9,200.	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	19,000.	0	0	0
O&M Total	31,000,000.	9,200.	2,700,000.	0	2,700,000.	190,000.	0	0	0	0	0	19,000.	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	32,000,000.	9,200.	2,700,000.	3.7	2,700,000.	300,000.	830.	27.	16.	0	6,200.	19,000.	0	0	0

	Totals For Parameters Used, Extracted, Emitted, or Generated Off-Site - Alternative 4 v4														
	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
	Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Level 1 - Site Invest.															
Energy	29,000.	0	0	0	0	4,500.	29.	1.1	0.34	0	0	0.066	0	0	0
Materials	13,000.	0.38	0.72	0	0	3,000.	6.3	8.7	0.2	0.00018	0	0.11	0.000076	0.00092	0.00000000086
Waste/Services	530,000.	30.	34.	0	0	78,000.	270.	180.	7.5	0.000012	0	13.	0.0000014	0.000011	0.00000000018
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Site Invest. Total	570,000.	30.	35.	0	0	86,000.	310.	190.	8.	0.00019	0	13.	0.000077	0.00093	0.0000000001
Level 2 - Excavation															
Energy	3,700,000.	0	0	0	0	600,000.	4,500.	140.	90.	0	0	8.	0	0	0
Materials	1,100,000.	40.	820.	0	0	230,000.	600.	670.	34.	0.0098	0	7.1	0.0048	0.05	0.00000000064
Waste/Services	1,200,000.	56.	1,000.	0	0	180,000.	980.	530.	2,700.	0.054	0	11.	0.0066	0.051	0.00000000081
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Excavation Total	6,000,000.	96.	1,800.	0	0	1,000,000.	6,100.	1,300.	2,800.	0.064	0	26.	0.011	0.1	0.00000000087
Level 3 - Construction															
Energy	260,000.	0	0	0	0	41,000.	260.	9.6	2.9	0	0	0.6	0	0	0
Materials	500,000.	17.	68.	0	0	120,000.	200.	240.	35.	9.5	0.0072	6.	0.0059	0.096	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	780,000.	18.	77.	0	0	160,000.	470.	260.	61.	9.5	0.0072	7.	0.006	0.096	0.000025
Level 4 - O&M															
Energy	79,000,000.	1,700.	0	0	0	500,000.	3,000.	120.	25.	0	0	7.5	0	0	0
Materials	14,000,000.	630.	9,000.	0	0	2,900,000.	35,000.	21,000.	12.	0.01	0	3.8	0.0019	0.051	0.00000000077
Waste/Services	1,500,000.	86.	97.	0	0	220,000.	780.	520.	20.	0	0	36.	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O&M Total	95,000,000.	2,400.	9,100.	0	0	3,600,000.	39,000.	22,000.	57.	0.01	0	47.	0.0019	0.051	0.00000000077
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	110,000,000.	3,000.	11,000.	0	0	6,000,000.	50,000.	26,000.	3,000.	9.6	0.0072	270.	0.019	0.25	0.000025

	Totals for On-Site and Off-Site Parameters - Alternative 4 v4														
	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
	Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Level 1 - Site Invest.															
Energy	63,000.	0	0	0	0	10,000.	71.	2.4	1.2	0	0	0.14	0	0	0
Materials	13,000.	0.38	1.2	0.5	0	3,000.	6.3	8.7	0.2	0.00018	0	0.11	0.000076	0.00092	0.00000000086
Waste/Services	530,000.	30.	34.	0	0	78,000.	270.	180.	7.5	0.000012	1.3	13.	0.0000014	0.000011	0.00000000018
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Site Invest. Total	610,000.	30.	35.	0.5	0	91,000.	350.	190.	8.9	0.00019	1.3	13.	0.000077	0.00093	0.0000000001
Level 2 - Excavation															
Energy	3,800,000.	0	0	0	0	610,000.	4,600.	140.	92.	0	0	8.2	0	0	0
Materials	1,100,000.	40.	820.	0	0	230,000.	600.	670.	34.	0.0098	0	7.1	0.0048	0.05	0.00000000064
Waste/Services	1,200,000.	56.	1,000.	0	0	180,000.	980.	530.	2,700.	0.054	6,100.	11.	0.0066	0.051	0.00000000081
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Excavation Total	6,100,000.	96.	1,800.	0	0	1,000,000.	6,200.	1,300.	2,800.	0.064	6,100.	26.	0.011	0.1	0.00000000087
Level 3 - Construction															
Energy	780,000.	0	0	0	0	130,000.	900.	30.	16.	0	0	1.7	0	0	0
Materials	500,000.	17.	83.	2.7	12.	120,000.	200.	240.	35.	9.5	0.0072	6.	0.0059	0.096	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	1,300,000.	18.	92.	2.7	12.	250,000.	1,100.	280.	74.	9.5	52.	8.1	0.006	0.096	0.000025
Level 4 - O&M															
Energy	110,000,000.	11,000.	0	0	0	500,000.	3,000.	120.	25.	0	0	7.5	0	0	0
Materials	14,000,000.	630.	2,700,000.	0	2,700,000.	2,900,000.	35,000.	21,000.	12.	0.01	0	3.8	0.0019	0.051	0.00000000077
Waste/Services	1,500,000.	86.	97.	0	0	220,000.	780.	520.	20.	0	0	36.	0	0	0
Other	0	0	0	0	0	190,000.	0	0	0	0	0	19,000.	0	0	0
O&M Total	130,000,000.	12,000.	2,700,000.	0	2,700,000.	3,800,000.	39,000.	22,000.	57.	0.01	0	19,000.	0.0019	0.051	0.00000000077
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	150,000,000.	13,000.	2,700,000.	3.7	2,700,000.	6,300,000.	51,000.	26,000.	3,000.	9.6	6,200.	19,000.	0.019	0.25	0.000025

	Percentages For Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 4 v4														
	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
	Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Level 1 - Site Invest.															
Energy	<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	98%	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	98%	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 v4														
	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	<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%	5%	<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%	5%	<1%	<1%	<1%
Level 2 - Excavation															
Energy	3%	0%	0%	0%	0%	10%	9%	<1%	3%	0%	0%	3%	0%	0%	0%
Materials	1%	1%	7%	0%	0%	4%	1%	3%	1%	<1%	0%	3%	25%	20%	<1%
Waste/Services	1%	2%	9%	0%	0%	3%	2%	2%	89%	<1%	0%	4%	34%	20%	<1%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Excavation Total	5%	3%	16%	0%	0%	17%	12%	5%	93%	<1%	0%	10%	59%	40%	<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%	2%	<1%	<1%	1%	99%	100%	2%	30%	38%	100%
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%	2%	<1%	0%	1%	99%	100%	2%	30%	38%	100%
Level 4 - O&M															
Energy	72%	57%	0%	0%	0%	8%	6%	<1%	<1%	0%	0%	3%	0%	0%	0%
Materials	13%	21%	78%	0%	0%	49%	70%	80%	<1%	<1%	0%	1%	10%	20%	<1%
Waste/Services	1%	3%	<1%	0%	0%	4%	2%	2%	<1%	0%	0%	13%	0%	0%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
On-Site Total	86%	81%	78%	0%	0%	61%	78%	82%	0%	<1%	0%	17%	10%	20%	<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%	<1%	0%	<1%	<1%	2%	<1%
Waste/Services	7%	14%	4%	0%	0%	18%	8%	10%	3%	0%	0%	66%	0%	0%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
On-Site Total	7%	14%	4%	0%	0%	18%	8%	10%	3%	<1%	0%	66%	<1%	2%	<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 v4														
	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
	Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Level 1 - Site Invest.															
Energy	<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	3%	0%	0%	0%	0%	10%	9%	<1%	3%	0%	0%	<1%	0%	0%	0%
Materials	<1%	<1%	<1%	0%	0%	4%	1%	3%	1%	<1%	0%	<1%	25%	20%	<1%
Waste/Services	<1%	<1%	<1%	0%	0%	3%	2%	2%	89%	<1%	99%	<1%	34%	20%	<1%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Excavation Total	3%	<1%	<1%	0%	0%	16%	12%	5%	93%	<1%	99%	<1%	59%	40%	<1%
Level 3 - Construction															
Energy	<1%	0%	0%	0%	0%	2%	2%	<1%	<1%	0%	0%	<1%	0%	0%	0%
Materials	<1%	<1%	<1%	73%	<1%	2%	<1%	<1%	1%	99%	<1%	<1%	30%	38%	100%
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%	4%	2%	0%	1%	99%	<1%	<1%	30%	38%	100%
Level 4 - O&M															
Energy	75%	87%	0%	0%	0%	8%	6%	<1%	<1%	0%	0%	<1%	0%	0%	0%
Materials	10%	5%	100%	0%	100%	46%	69%	80%	<1%	<1%	0%	<1%	10%	20%	<1%
Waste/Services	1%	<1%	<1%	0%	0%	4%	2%	2%	<1%	0%	0%	<1%	0%	0%	0%
Other	0%	0%	0%	0%	0%	3%	0%	0%	0%	0%	0%	99%	0%	0%	0%
On-Site Total	86%	92%	100%	0%	100%	61%	76%	82%	0%	<1%	0%	99%	10%	20%	<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%	<1%	0%	<1%	<1%	2%	<1%
Waste/Services	5%	3%	<1%	0%	0%	18%	8%	10%	3%	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	5%	3%	<1%	0%	0%	18%	8%	10%	3%	<1%	0%	<1%	<1%	2%	<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%

All Levels - Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 4 v4																																
	Quantity Used	Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins		
		Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Extracted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Generated	Conv. Factor	Generated	Conv. Factor	Emitted	Conv. Factor	Released	Conv. Factor	Released	Conv. Factor	Released	
			Mbtu		MWh		gal x 1000		gal x 1000		gal x 1000		lbs		lbs		lbs		lbs		tons		tons		lbs		lbs		lbs		lbs	
Totals			32,000,000.		9,200.		2,700,000.		3.7		2,700,000.		300,000.		830.		27.		16.		0		6,200.		19,000.		0		0		0	
Energy																																
Diesel (on-site)	gal	4639.4163	139	642,100.	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	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	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	31342.983	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	
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	
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
On-site electricity use	MWh	9196.24	3413	31,000,000.	1	9,200.	0	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	9196.24	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	
Electricity production*	MWh	9196.24	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	
Energy Subtotal				32,000,000.		9,200.		0		0		0		110,000.		830.		27.		16.		0		6,200.		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	
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	
Steel	lb	32910	0	0	0	0	0	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	
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	
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	
Concrete	tons	349.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bentonite	ton	0.3	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	
Regenerated GAC	lbs	1400000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Diesel Produced	gal	35982.399	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	
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	
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Groundwater Extracted On-site	gal x 1000	2733132	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	
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	
Potable Water Used	gal x 1000	3.768	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	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Hazardous Waste Generation	ton	6202.54	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	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	
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	
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	18880	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	19,000.	0	0	0	0	0		
On-site process emissions (GHGs)	lbs CO2e	192000	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		19,000.		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 v4																														
		Quantity Used	Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
			Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Extracted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Generated	Conv. Factor	Generated	Conv. Factor	Emitted	Conv. Factor	Released	Conv. Factor	Released	Conv. Factor	Released
	Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	lbs	lbs	lbs	tons	tons	tons	tons	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs			
Totals			110,000,000.		3,000.		12,000.		0		0		6,100,000.		50,000.		26,000.		3,000.		9.6		0.0072		280.		0.02		0.25		0.00025	
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	31342.983	139	4,380,280.	0	0	0	0	0	0	0	22.5	700,746.	0.17	5,333.35	0.0054	166.921	0.0034	106.467	0	0	0	0	0.0003	9.41362	0	0	0	0	0	0	
Gasoline (off-site use)	gal	24081.2	124	2,942,000.	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	0.0003	7.271	0	0	0	0	0	0		
Natural gas (off-site use)	ccf	0	103	0	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0.29	0	0	0	0	0	0	0		
On-site electricity use	MWh	9196.24	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		
Electricity transmission*	MWh	9196.24	410	3,800,000.	0.12	1,100.	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	9196.24	7800	72,000,000.	0.06	550.	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			83,000,000.		1,700.		0		0		0		1,200,000.		8,000.		280.		120.		0		0		17.		0		0	0		
Materials																																
PVC	lb	3264	22	72,000.	0.0006	1.8	0.0069	23.	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	0.00023	
HDPE	lb	2000	31	62,000.	0.0003	0.5	0.0023	4.6	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	32910	4.4	140,000.	0.0002	6.9	0.0006	21.	0	0	0	1.1	36,000.	0.0014	46.	0.0017	56.	0.0006	18.	0.0003	8.2	0	0	7E-05	2.2	1E-07	0.0033	3E-06	0.082	7E-12	0.00000021	
Stainless Steel	lb	2100	11.6	24,000.	0.0006	1.2	0.0023	4.8	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	0.000000046	
Gravel/sand	ton	5636.7	55	310,640.	0.0027	15.032	0.13	731.5	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	0.00006814	2E-16	0.00000000008418	
Cement Grout	dry-ton	26.45	4100	108,500.	0.13	3.44	0.41	10.85	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	0.0000000222	
Concrete	tons	349.2	793	280,000.	0.026	9.1	0.19	66.	0	0	0	335	120,000.	0.68	240.	0.41	140.	0.0044	1.5	3E-08	0.0000098	0	0	0.011	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	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	0.00000000019	1E-09	0.00000000036	2E-16	0.00000000000045	
Regenerated GAC	lbs	1400000	9.6	13,000,000.	0.0004	620.	0.0064	9,000.	0	0	0	2	2,800,000.	0.025	35,000.	0.015	21,000.	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	0.4	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	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	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	35982.399	18.5	665,450.	0.0006	21.304	0.0008	27.869	0	0	0	2.7	96,946.	0.0064	227.26	0.013	466.52	0.0003	12.2183	4E-07	0.0129288	0	0	0.0001	4.2719	5E-08	0.0017272	2E-06	0.054427	3E-14	0.0000000108043	
Gasoline Produced	gal	24526.4	21	513,500.	0.0006	14.334	0.0008	19.18	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	0.000000007648	
Natural Gas Produced	ccf	0	5.2	0	0.0003	0	8E-05	0	0	0	0	2.2	0	0.0037	0	0.0046	0	7E-05	0	0	0	0	0	6E-06	0	2E-08	0	9E-07	0	5E-14	0	
Groundwater Extracted On-site	gal x 1000	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	
Potable Water Produced	gal x 1000	3.768	9.2	34.4	0.0004	0.00165	0.021	0.08	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	0.00000249	1E-13	0.00000000000372	
Potable Water Transported	gal x 1000	3.768	7.4	27.6	0.0006	0.00246	0	0	0	0	0	0	0	0	0	0	0	0	0	6E-07	0.00000219	0	0	0	0	0	0	0	0	0	0	
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	
Other On-Site Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Materials Subtotal			15,000,000.		690.		9,900.		0		0		3,300,000.		36,000.		22,000.		82.		9.5		0.0072		18.		0.013		0.2		0.00025	
Waste and Other Services																																
Off-site waste water treatment	gal x 1000	0	3.7	0	0.0002	0	0.0008	0	0	0	0	3	0	0.0061	0	0.0029	0	8E-05	0	5E-07	0	0	0	0.0001	0	8E-08	0	6E-07	0	1E-12	0	
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Solid Waste Disposal	ton	0	160	0	0.0077	0	0.15	0	0	0	0	25	0	0.14	0	0.075	0	0.4	0	8E-06	0	0	0	0.0014	0	1E-06	0	8E-06	0	1E-11	0	
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	
Hazardous Waste Disposal	ton	6202.54	176	1,109,440.	0.0085	52.461	0.165	1,008.82	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	0.00000081708	
Laboratory Analysis	\$	1103360	8.8	9,704,000.	0.0005	550.3	0.0006	615.78	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			11,000,000.		600.		1,600.		0																							

All Levels - Total On-Site and Off-Site Parameters - Alternative 4 v4																	
	Quantity Used	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins	
		Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released	
		Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs	
Totals		140,000,000.	12,000.	2,700,000.	3.7	2,700,000.	6,400,000.	51,000.	26,000.	3,000.	9.6	6,200.	19,000.	0.02	0.25	0.000025	
Energy																	
Diesel (on-site)	gal	4639.4163	642,100.	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	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	
Diesel (off-site use)	gal	31342.983	4,380,280.	0	0	0	700,746.	5,333.35	166.921	106.467	0	0	9.41362	0	0	0	
Gasoline (off-site use)	gal	24081.2	2,942,000.	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	
On-site electricity use	MWh	9196.24	31,000,000.	9,200.	0	0	0	0	0	0	0	0	0	0	0	0	
Electricity transmission*	MWh	9196.24	3,800,000.	1,100.	0	0	0	0	0	0	0	0	0	0	0	0	
Electricity production*	MWh	9196.24	72,000,000.	550.	0	0	0	0	0	0	0	0	0	0	0	0	
Energy Subtotal			110,000,000.	11,000.	0	0	0	1,300,000.	8,900.	300.	140.	0	18.	0	0	0	
Materials																	
PVC	lb	3264	72,000.	1.8	23.	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	3,800.	6.4	8.2	1.3	0.00086	0.002	0.0068	0.0000052	0.0000048	0.000002	
Steel	lb	32910	140,000.	6.9	21.	0	36,000.	46.	56.	18.	8.2	0	2.2	0.0033	0.082	0.0000021	
Stainless Steel	lb	2100	24,000.	1.2	4.8	0	7,100.	16.	25.	9.2	1.3	0	0.3	0	0.0011	0.000000046	
Gravel/sand	ton	5636.7	310,640.	15.032	731.5	0	38,078.	190.39	170.35	23.047	0	0	0.0023048	0.0000036075	0.000006814	0.0000000008418	
Cement Grout	dry-ton	26.45	108,500.	3.44	10.85	0	47,900.	95.1	55.4	0.1714	0	0	1.489	0.001478	0.00344	0.00000002222	
Concrete	tons	349.2	280,000.	9.1	66.	0	120,000.	240.	140.	1.5	0.0000098	0	3.8	0.0035	0.0084	0.0000000056	
Bentonite	ton	0.3	17.	0.00081	0.039	0	2.	0.0099	0.009	0.0012	0	0	0.00000012	0.00000000019	0.00000000036	0.0000000000045	
Regenerated GAC	lbs	1400000	13,000,000.	620.	9,000.	0	2,800,000.	35,000.	21,000.	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	
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Diesel Produced	gal	35982.399	665,450.	21.304	27.869	0	96,946.	227.26	466.52	12.2183	0.0129288	0	4.2719	0.0017272	0.054427	0.0000000108043	
Gasoline Produced	gal	24526.4	513,500.	14.334	19.18	0	107,830.	191.9	467.	13.084	0.01029	0	3.948	0.002032	0.05383	0.000000007648	
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Groundwater Extracted On-site	gal x 1000	2733132	0	0	2,700,012.	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	19.1	0.037	0.0221	0.0604	0.00000316	0	0.0000563	0.000000314	0.00000249	0.00000000000372	
Potable Water Transported	gal x 1000	3.768	27.6	0.00246	0	0	0	0	0	0	0.00000219	0	0	0	0	0	
Potable Water Used	gal x 1000	3.768	0	0	3.72	3.72	0	0	0	0	0	0	0	0	0	0	
Other On-Site Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Materials Subtotal			15,000,000.	690.	2,700,000.	3.7	2,700,000.	3,300,000.	36,000.	22,000.	82.	9.5	0.0072	18.	0.013	0.2	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	
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Hazardous Waste Generation	ton	6202.54	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	171,437.	958.31	514.41	2,723.59	0.054472	0	9.5831	0.0066574	0.051451	0.00000081708	
Laboratory Analysis	\$	1103360	9,704,000.	550.3	615.78	0	1,409,000.	4,988.3	3,325.2	125.87	0	0	230.79	0	0	0	
Waste and Other Services Subtotal			11,000,000.	600.	1,600.	0	0	1,600,000.	5,900.	3,800.	2,800.	0.054	6,200.	240.	0.051	0.00000082	
Other																	
On-site process emissions (HAPs)	lbs	18880	0	0	0	0	0	0	0	0	0	0	19,000.	0	0	0	
On-site process emissions (GHGs)	lbs CO2e	192000	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	19,000.	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

Level 1 (Site Invest.) Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 4 v4																															
	Quantity Used	Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
		Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Extracted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Generated	Conv. Factor	Generated	Conv. Factor	Emitted	Conv. Factor	Released	Conv. Factor	Released	Conv. Factor	Released
			Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs
Totals			34,000.		0		0.5		0.5		0		5,600.		42.		1.3		0.84		0		1.3		0.074		0		0		0
Energy																															
Diesel (on-site)	gal	248.192	139	34,000.	0	0	0	0	0	0	0	22.5	5,600.	0.17	42.	0.0054	1.3	0.0034	0.84	0	0	0	0	0.0003	0.074	0	0	0	0	0	0
Gasoline (on-site use)	gal	0	124	0	0	0	0	0	0	0	0	19.6	0	0.11	0	0.0045	0	0.0005	0	0	0	0	0	0.0003	0	0	0	0	0	0	0
Natural gas (on-site use)	ccf	0	103	0	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0.29	0	0	0	0	0	0	0
Diesel (off-site use)	gal	76.0376	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gasoline (off-site use)	gal	143.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site electricity use	MWh	0	3413	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity transmission*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity production*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Energy Subtotal			34,000.		0		0		0		0		5,600.		42.		1.3		0.84		0		1.3		0.074		0		0		0
Materials																															
PVC	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gravel/sand	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cement Grout	dry-ton	0.85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Concrete	tons	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bentonite	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Produced	gal	324.2296	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gasoline Produced	gal	143.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Groundwater Extracted On-site	gal x 1000	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Produced	gal x 1000	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Transported	gal x 1000	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Used	gal x 1000	0.5	0	0	0	1	0.5	1	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other On-Site Water Used	gal x 1000	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials Subtotal			0		0		0.5		0.5		0		0		0		0		0		0		0		0		0		0		0
Waste and Other Services																															
Off-site waste water treatment	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Generation	ton	1.34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1.3	0	0	0	0	0	0	0	0
Hazardous Waste Disposal	ton	1.34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Laboratory Analysis	\$	60220	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste and Other Services Subtotal			0		0		0		0		0		0		0		0		0		0		1.3		0		0		0		0
Other																															
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Subtotal			0		0		0		0		0		0		0		0		0		0		0		0		0		0		0

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

		Level 1 (Site Invest.) Total On-Site and Off-Site Parameters - Alternative 4 v4															
		Quantity Used	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
			Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
			Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Totals			610,000.	30.	35.	0.5	0	91,000.	350.	190.	8.9	0.00019	1.3	13.	0.000077	0.00093	0.0000000001
Energy																	
Diesel (on-site)	gal	248.192	34,000.	0	0	0	0	5,600.	42.	1.3	0.84	0	0	0.074	0	0	0
Gasoline (on-site use)	gal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural gas (on-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel (off-site use)	gal	76.0376	11,000.	0	0	0	0	1,700.	13.	0.41	0.26	0	0	0.023	0	0	0
Gasoline (off-site use)	gal	143.2	18,000.	0	0	0	0	2,800.	16.	0.64	0.077	0	0	0.043	0	0	0
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site electricity use	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity transmission*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity production*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Energy Subtotal			63,000.	0	0	0	0	10,000.	71.	2.4	1.2	0	0	0.14	0	0	0
Materials																	
PVC	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gravel/sand	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cement Grout	dry-ton	0.85	3,500.	0.11	0.35	0	0	1,500.	3.1	1.8	0.0054	0	0	0.049	0.000048	0.00011	0.000000000072
Concrete	tons	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bentonite	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Produced	gal	324.2296	6,000.	0.19	0.25	0	0	880.	2.1	4.2	0.11	0.00012	0	0.039	0.000016	0.00049	0.000000000097
Gasoline Produced	gal	143.2	3,000.	0.084	0.11	0	0	630.	1.1	2.7	0.074	0.00006	0	0.023	0.000012	0.00032	0.0000000000044
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Groundwater Extracted On-site	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Produced	gal x 1000	0.5	4.6	0.00022	0.011	0	0	2.5	0.0049	0.003	0.008	0.0000042	0	0.0000075	0.000000041	0.000000034	0.0000000000005
Potable Water Transported	gal x 1000	0.5	3.7	0.00032	0	0	0	0	0	0	0	0.0000029	0	0	0	0	0
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	0.000076	0.00092	0.000000000086
Waste and Other Services																	
Off-site waste water treatment	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Generation	ton	1.34	0	0	0	0	0	0	0	0	0	0	1.3	0	0	0	0
Hazardous Waste Disposal	ton	1.34	240.	0.011	0.22	0	0	37.	0.21	0.11	0.59	0.000012	0	0.0021	0.0000014	0.000011	0.000000000018
Laboratory Analysis	\$	60220	530,000.	30.	34.	0	0	78,000.	270.	180.	6.9	0	0	13.	0	0	0
Waste and Other Services Subtotal			530,000.	30.	34.	0	0	78,000.	270.	180.	7.5	0.000012	1.3	13.	0.000014	0.000011	0.000000000018
Other																	
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Subtotal			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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

		Level 2 (Excavation) Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 4 v4																														
		Quantity Used	Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
			Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Generated	Conv. Factor	Generated	Conv. Factor	Emitted	Conv. Factor	Released	Conv. Factor	Released	Conv. Factor	Released
	Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs			
Totals			85,000.		0		0		0		0		14,000.		100.		3.3		2.1		0		6,100.		0.18		0		0		0	
Energy																																
Diesel (on-site)	gal	614.58432	139	85,000.	0	0	0	0	0	0	0	22.5	14,000.	0.17	100.	0.0054	3.3	0.0034	2.1	0	0	0	0	0.0003	0.18	0	0	0	0	0		
Gasoline (on-site use)	gal	0	124	0	0	0	0	0	0	0	0	19.6	0	0.11	0	0.0045	0	0.0005	0	0	0	0	0	0.0003	0	0	0	0	0	0		
Natural gas (on-site use)	ccf	0	103	0	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0.29	0	0	0	0	0	0		
Diesel (off-site use)	gal	26422.54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Gasoline (off-site use)	gal	307.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
On-site electricity use	MWh	0	3413	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Electricity transmission*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Electricity production*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Energy Subtotal				85,000.	0	0	0	0	0	0	0	14,000.	100.	3.3	2.1	0	6,100.	0.18	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		
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Gravel/sand	ton	5625	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Cement Grout	dry-ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Concrete	tons	349.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Bentonite	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Diesel Produced	gal	27037.124	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Gasoline Produced	gal	307.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Groundwater Extracted On-site	gal x 1000	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Potable Water Produced	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Potable Water Transported	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Potable Water Used	gal x 1000	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Other On-Site Water Used	gal x 1000	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Materials Subtotal				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Waste and Other Services																																
Off-site waste water treatment	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0		
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Hazardous Waste Generation	ton	6148.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6,100.	0	0	0	0	0	0	0	0		
Hazardous Waste Disposal	ton	6148.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Laboratory Analysis	\$	7100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Waste and Other Services Subtotal				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6,100.	0	0	0	0	0	0	0	0		
Other																																
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0			
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Other Subtotal				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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 4 v4																													
	Quantity Used	Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
		Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Extracted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Generated	Conv. Factor	Generated	Conv. Factor	Emitted	Conv. Factor	Released	Conv. Factor	Released	Conv. Factor	Released
		Mbtu		MWh		gal x 1000		gal x 1000		gal x 1000		lbs		lbs		lbs		lbs		tons		tons		lbs		lbs		lbs		lbs	
Totals			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
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	26422.54	139	3,700,000.	0	0	0	0	0	0	22.5	590,000.	0.17	4,500.	0.0054	140.	0.0034	90.	0	0	0	0	0	0.0003	7.9	0	0	0	0	0	0
Gasoline (off-site use)	gal	307.2	124	38,000.	0	0	0	0	0	0	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	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
Electricity transmission*	MWh	0	410	0	0.12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity production*	MWh	0	7800	0	0.06	0	0	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			3,700,000.		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	4.1	0	0.0048	0	0.0076	0	0.0012	0	2E-06	0	2E-06	0	0.0005	0	3E-07	0	1E-07	0	7E-09	0	
HDPE	lb	0	31	0	0.0003	0	0.0023	0	0	0	1.9	0	0.0032	0	0.0041	0	0.0006	0	4E-07	0	1E-06	0	3E-06	0	3E-09	0	2E-09	0	1E-09	0	
Steel	lb	0	4.4	0	0.0002	0	0.0006	0	0	0	1.1	0	0.0014	0	0.0017	0	0.0006	0	0.0003	0	0	0	7E-05	0	1E-07	0	3E-06	0	7E-12	0	
Stainless Steel	lb	0	11.6	0	0.0006	0	0.0023	0	0	0	3.4	0	0.0075	0	0.012	0	0.0044	0	0.0006	0	0	0	0.0001	0	0	0	5E-07	0	2E-12	0	
Gravel/sand	ton	5625	55	310,000.	0.0027	15.	0.13	730.	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	0.000000000000084	
Cement Grout	dry-ton	0	4100	0	0.13	0	0.41	0	0	0	1800	0	3.6	0	2.1	0	0.0063	0	0	0	0	0	0.058	0	6E-05	0	0.0001	0	9E-11	0	
Concrete	tons	349.2	793	280,000.	0.026	9.1	0.19	66.	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	6.7	0	0.033	0	0.03	0	0.004	0	0	0	0	0	4E-07	0	6E-11	0	1E-09	0	2E-16	0	
Regenerated GAC	lbs	0	9.6	0	0.0004	0	0.0064	0	0	0	2	0	0.025	0	0.015	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Molasses)	lbs	0	1.31	0	5E-06	0	9E-05	0	0	0	0.4	0	0.003	0	0.0026	0	6E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	0	1.87	0	0	0	0	0	0	0	1.1	0	0.0083	0	0.0099	0	0.0002	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	0	3.6	0	6E-05	0	2E-05	0	0	0	3.51	0	0.0265	0	0.031	0	0.0017	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Produced	gal	27037.124	18.5	500,000.	0.0006	16.	0.0008	21.	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	0.000000000081	
Gasoline Produced	gal	307.2	21	6,500.	0.0006	0.18	0.0008	0.24	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	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
Potable Water Produced	gal x 1000	0	9.2	0	0.0004	0	0.021	0	0	0	5	0	0.0097	0	0.0059	0	0.016	0	8E-07	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other On-Site Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials Subtotal			1,100,000.		40.		820.		0		0		230,000.		600.		670.		34.		0.0098		0		7.1		0.0048		0.05		0.000000064
Waste and Other Services																															
Off-site waste water treatment	gal x 1000	0	3.7	0	0.0002	0	0.0008	0	0	0	3	0	0.0061	0	0.0029	0	8E-05	0	5E-07	0	0	0	0.0001	0	8E-08	0	6E-07	0	1E-12	0	
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	160	0	0.0077	0	0.15	0	0	0	25	0	0.14	0	0.075	0	0.4	0	8E-06	0	0	0	0.0014	0	1E-06	0	8E-06	0	1E-11	0	
Hazardous Waste Generation	ton	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
Hazardous Waste Disposal	ton	6148.8	176	1,100,000.	0.0085	52.	0.165	1,000.	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	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
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Subtotal			0																												

		Level 2 (Excavation) Total On-Site and Off-Site Parameters - Alternative 4 v4															
		Quantity Used	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
			Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
			Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Totals			6,100,000.	96.	1,800.	0	0	1,000,000.	6,200.	1,300.	2,800.	0.064	6,100.	26.	0.011	0.1	0.000000087
Energy																	
Diesel (on-site)	gal	614.58432	85,000.	0	0	0	0	14,000.	100.	3.3	2.1	0	0	0.18	0	0	0
Gasoline (on-site use)	gal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural gas (on-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel (off-site use)	gal	26422.54	3,700,000.	0	0	0	0	590,000.	4,500.	140.	90.	0	0	7.9	0	0	0
Gasoline (off-site use)	gal	307.2	38,000.	0	0	0	0	6,000.	34.	1.4	0.17	0	0	0.092	0	0	0
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site electricity use	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity transmission*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity production*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Energy Subtotal			3,800,000.	0	0	0	0	610,000.	4,600.	140.	92.	0	0	8.2	0	0	0
Materials																	
PVC	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gravel/sand	ton	5625	310,000.	15.	730.	0	0	38,000.	190.	170.	23.	0	0	0.0023	0.00000036	0.0000068	0.000000000084
Cement Grout	dry-ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Concrete	tons	349.2	280,000.	9.1	66.	0	0	120,000.	240.	140.	1.5	0.0000098	0	3.8	0.0035	0.0084	0.0000000056
Bentonite	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Produced	gal	27037.124	500,000.	16.	21.	0	0	73,000.	170.	350.	9.2	0.0097	0	3.2	0.0013	0.041	0.00000000081
Gasoline Produced	gal	307.2	6,500.	0.18	0.24	0	0	1,400.	2.5	5.8	0.16	0.00013	0	0.049	0.000026	0.00068	0.000000000095
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Groundwater Extracted On-site	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Produced	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Transported	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other On-Site Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials Subtotal			1,100,000.	40.	820.	0	0	230,000.	600.	670.	34.	0.0098	0	7.1	0.0048	0.05	0.000000064
Waste and Other Services																	
Off-site waste water treatment	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Generation	ton	6148.8	0	0	0	0	0	0	0	0	0	6,100.	0	0	0	0	0
Hazardous Waste Disposal	ton	6148.8	1,100,000.	52.	1,000.	0	0	170,000.	950.	510.	2,700.	0.054	0	9.5	0.0066	0.051	0.000000081
Laboratory Analysis	\$	7100	62,000.	3.6	4.	0	0	9,200.	32.	21.	0.81	0	0	1.5	0	0	0
Waste and Other Services Subtotal			1,200,000.	56.	1,000.	0	0	180,000.	980.	530.	2,700.	0.054	6,100.	11.	0.0066	0.051	0.000000081
Other																	
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Subtotal			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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

		Level 3 (Construction) Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 4 v4																														
		Quantity Used	Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
			Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Generated	Conv. Factor	Generated	Conv. Factor	Emitted	Conv. Factor	Released	Conv. Factor	Released	Conv. Factor	Released
	Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs			
Totals			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	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		
Gasoline (on-site use)	gal	0	124	0	0	0	0	0	0	0	0	19.6	0	0.11	0	0.0045	0	0.0005	0	0	0	0	0	0.0003	0	0	0	0	0	0		
Natural gas (on-site use)	ccf	0	103	0	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0.29	0	0	0	0	0	0		
Diesel (off-site use)	gal	642.355	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		
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		
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
On-site electricity use	MWh	0	3413	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Electricity transmission*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Electricity production*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Energy Subtotal			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		
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		
Steel	lb	32910	0	0	0	0	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		
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		
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		
Concrete	tons	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Bentonite	ton	0.3	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		
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Diesel Produced	gal	4396.595	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		
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		
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Groundwater Extracted On-site	gal x 1000	12	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		
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		
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		
Potable Water Used	gal x 1000	2.745	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		
Other On-Site Water Used	gal x 1000	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Materials Subtotal			0		0		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		
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0		
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Hazardous Waste Generation	ton	52.4	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		
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		
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	1	0	0	0	0	0			
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Other Subtotal			0		0		0		0		0		0		0		0		0		0		0		0		0		0		0	

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

		Level 3 (Construction) Parameters Used, Extracted, Emitted, or Generated Off-Site - Alternative 4 v4																														
		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	gal x 1000	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs		
Totals				780,000.		18.		77.		0		0		160,000.		470.		260.		61.		9.5		0.0072		7.		0.006		0.096		0.00025
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	
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	642.355	139	89,000.	0	0	0	0	0	0	0	22.5	14,000.	0.17	110.	0.0054	3.5	0.0034	2.2	0	0	0	0	0.0003	0.19	0	0	0	0	0	0	
Gasoline (off-site use)	gal	1352.4	124	170,000.	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	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0.29	0	0	0	0	0	0	0	
On-site electricity use	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Electricity transmission*	MWh	0	410	0	0.12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Electricity production*	MWh	0	7800	0	0.06	0	0	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				260,000.		0		0		0		41,000.		260.		9.6		2.9		0		0		0.6		0		0		0		
Materials																																
PVC	lb	3264	22	72,000.	0.0006	1.8	0.0069	23.	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	0.00023	
HDPE	lb	2000	31	62,000.	0.0003	0.5	0.0023	4.6	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	32910	4.4	140,000.	0.0002	6.9	0.0006	21.	0	0	0	1.1	36,000.	0.0014	46.	0.0017	56.	0.0006	18.	0.0003	8.2	0	0	7E-05	2.2	1E-07	0.0033	3E-06	0.082	7E-12	0.00000021	
Stainless Steel	lb	2100	11.6	24,000.	0.0006	1.2	0.0023	4.8	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	0.000000046	
Gravel/sand	ton	11.7	55	640.	0.0027	0.032	0.13	1.5	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	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	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	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	2	0	0.025	0	0.015	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bioinjection (Molasses)	lbs	0	1.31	0	5E-06	0	9E-05	0	0	0	0	0.4	0	0.003	0	0.0026	0	6E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	0	1.87	0	0	0	0	0	0	0	0	1.1	0	0.0083	0	0.0099	0	0.0002	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	0	3.6	0	6E-05	0	2E-05	0	0	0	0	3.51	0	0.0265	0	0.031	0	0.0017	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Produced	gal	4396.595	18.5	81,000.	0.0006	2.6	0.0008	3.4	0	0	0	2.7	12,000.	0.0064	28.	0.013	57.	0.0003	1.5	4E-07	0.0016	0	0	0.0001	0.53	5E-08	0.00021	2E-06	0.0066	3E-14	0.00000000013	
Gasoline Produced	gal	1352.4	21	28,000.	0.0006	0.8	0.0008	1.1	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	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	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	0.00000000000027	
Potable Water Transported	gal x 1000	2.745	7.4	20.	0.0006	0.0018	0	0	0	0	0	0	0	0	0	0	0	0	0	6E-07	0.0000016	0	0	0	0	0	0	0	0	0	0	0
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				500,000.		17.		68.		0		120,000.		200.		240.		35.		9.5		0.0072		6.		0.0059		0.096		0.00025		
Waste and Other Services																																
Off-site waste water treatment	gal x 1000	0	3.7	0	0.0002	0	0.0008	0	0	0	0	3	0	0.0061	0	0.0029	0	8E-05	0	5E-07	0	0	0	0.0001	0	8E-08	0	6E-07	0	1E-12	0	
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	160	0	0.0077	0	0.15	0	0	0	0	25	0	0.14	0	0.075	0	0.4	0	8E-06	0	0	0	0.0014	0	1E-06	0	8E-06	0	1E-11	0	0
Hazardous Waste Generation	ton	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
Hazardous Waste Disposal	ton	52.4	176	9,200.	0.0085	0.45	0.165	8.6	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	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		3,200.		14.		8.5		23.		0												

		Level 3 (Construction) Total On-Site and Off-Site Parameters - Alternative 4 v4														
	Quantity Used	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
		Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
		Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Totals		1,300,000.	18.	92.	2.7	12.	250,000.	1,100.	280.	74.	9.5	52.	8.1	0.006	0.096	0.000025
Energy																
Diesel (on-site)	gal	3754.24	520,000.	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
Natural gas (on-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel (off-site use)	gal	642.355	89,000.	0	0	0	14,000.	110.	3.5	2.2	0	0	0.19	0	0	0
Gasoline (off-site use)	gal	1352.4	170,000.	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
On-site electricity use	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity transmission*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity production*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Energy Subtotal		780,000.	0	0	0	0	130,000.	900.	30.	16.	0	0	1.7	0	0	0
Materials																
PVC	lb	3264	72,000.	1.8	23.	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	3,800.	6.4	8.2	1.3	0.00086	0.002	0.0068	0.0000052	0.0000048	0.000002
Steel	lb	32910	140,000.	6.9	21.	0	36,000.	46.	56.	18.	8.2	0	2.2	0.0033	0.082	0.0000021
Stainless Steel	lb	2100	24,000.	1.2	4.8	0	7,100.	16.	25.	9.2	1.3	0	0.3	0	0.0011	0.000000046
Gravel/sand	ton	11.7	640.	0.032	1.5	0	78.	0.39	0.35	0.047	0	0	0.0000048	0.0000000075	0.000000014	0.00000000000018
Cement Grout	dry-ton	21.5	88,000.	2.8	8.8	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
Bentonite	ton	0.3	17.	0.00081	0.039	0	2.	0.0099	0.009	0.0012	0	0	0.00000012	0.000000000019	0.00000000036	0.000000000000045
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Produced	gal	4396.595	81,000.	2.6	3.4	0	12,000.	28.	57.	1.5	0.0016	0	0.53	0.00021	0.0066	0.00000000013
Gasoline Produced	gal	1352.4	28,000.	0.8	1.1	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
Groundwater Extracted On-site	gal x 1000	12	0	0	12.	0	0	0	0	0	0	0	0	0	0	0
Potable Water Produced	gal x 1000	2.745	25.	0.0012	0.058	0	14.	0.027	0.016	0.044	0.0000023	0	0.000041	0.000000023	0.000000018	0.00000000000027
Potable Water Transported	gal x 1000	2.745	20.	0.0018	0	0	0	0	0	0	0.0000016	0	0	0	0	0
Potable Water Used	gal x 1000	2.745	0	0	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
Materials Subtotal		500,000.	17.	83.	2.7	12.	120,000.	200.	240.	35.	9.5	0.0072	6.	0.0059	0.096	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
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Generation	ton	52.4	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	1,400.	8.1	4.3	23.	0.00046	0	0.081	0.000056	0.00044	0.0000000069
Laboratory Analysis	\$	1400	12,000.	0.7	0.78	0	1,800.	6.3	4.2	0.16	0	0	0.29	0	0	0
Waste and Other Services Subtotal		21,000.	1.2	9.4	0	0	3,200.	14.	8.5	23.	0.00046	52.	0.37	0.000056	0.00044	0.0000000069
Other																
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Subtotal		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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

		Level 4 (O&M) Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 4 v4																														
		Quantity Used	Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
			Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Generated	Conv. Factor	Generated	Conv. Factor	Emitted	Conv. Factor	Released	Conv. Factor	Released	Conv. Factor	Released
	Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs			
Totals			31,000,000.		9,200.		2,700,000.		0		2,700,000.		190,000.		0		0		0		0		0		19,000.		0		0		0	
Energy																																
Diesel (on-site)	gal	0	139	0	0	0	0	0	0	0	0	22.5	0	0.17	0	0.0054	0	0.0034	0	0	0	0	0	0.0003	0	0	0	0	0	0		
Gasoline (on-site use)	gal	0	124	0	0	0	0	0	0	0	0	19.6	0	0.11	0	0.0045	0	0.0005	0	0	0	0	0	0.0003	0	0	0	0	0	0		
Natural gas (on-site use)	ccf	0	103	0	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0.29	0	0	0	0	0	0		
Diesel (off-site use)	gal	4200	0	0	0	0	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		
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
On-site electricity use	MWh	9196.24	3413	31,000,000.	1	9,200.	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	9196.24	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		
Electricity production*	MWh	9196.24	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		
Energy Subtotal			31,000,000.		9,200.		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		
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Gravel/sand	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Cement Grout	dry-ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Concrete	tons	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Bentonite	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Regenerated GAC	lbs	1400000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Diesel Produced	gal	4200	0	0	0	0	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		
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Groundwater Extracted On-site	gal x 1000	2733120	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		
Potable Water Produced	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Potable Water Transported	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Potable Water Used	gal x 1000	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Other On-Site Water Used	gal x 1000	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Materials Subtotal			0		0		2,700,000.		0		2,700,000.		0		0		0		0		0		0		0		0		0			
Waste and Other Services																																
Off-site waste water treatment	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0		
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Hazardous Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0		
Hazardous Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Laboratory Analysis	\$	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		
Waste and Other Services Subtotal			0		0		0		0		0		0		0		0		0		0		0		0		0		0			
Other																																
On-site process emissions (HAPs)	lbs	18880	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	19,000.	0	0	0	0	0		
On-site process emissions (GHGs)	lbs CO2e	192000	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		
Other Subtotal			0		0		0		0		0		190,000.		0		0		0		0		0		19,000.		0		0			

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

		Level 4 (O&M) Total On-Site and Off-Site Parameters - Alternative 4 v4															
		Quantity Used	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
			Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
			Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Totals			130,000,000.	12,000.	2,700,000.	0	2,700,000.	3,800,000.	39,000.	22,000.	57.	0.01	0	19,000.	0.0019	0.051	0.0000000077
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	4200	580,000.	0	0	0	0	95,000.	710.	23.	14.	0	0	1.3	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	9196.24	31,000,000.	9,200.	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity transmission*	MWh	9196.24	3,800,000.	1,100.	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity production*	MWh	9196.24	72,000,000.	550.	0	0	0	0	0	0	0	0	0	0	0	0	0
Energy Subtotal			110,000,000.	11,000.	0	0	0	500,000.	3,000.	120.	25.	0	0	7.5	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	1400000	13,000,000.	620.	9,000.	0	0	2,800,000.	35,000.	21,000.	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	4200	78,000.	2.5	3.2	0	0	11,000.	27.	55.	1.4	0.0015	0	0.5	0.0002	0.0063	0.0000000013
Gasoline Produced	gal	20512	430,000.	12.	16.	0	0	90,000.	160.	390.	11.	0.0086	0	3.3	0.0017	0.045	0.0000000064
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			14,000,000.	630.	2,700,000.	0	2,700,000.	2,900,000.	35,000.	21,000.	12.	0.01	0	3.8	0.0019	0.051	0.0000000077
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	\$	172800	1,500,000.	86.	97.	0	0	220,000.	780.	520.	20.	0	0	36.	0	0	0
Waste and Other Services Subtotal			1,500,000.	86.	97.	0	0	220,000.	780.	520.	20.	0	0	36.	0	0	0
Other																	
On-site process emissions (HAPs)	lbs	18880	0	0	0	0	0	0	0	0	0	0	0	19,000.	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	19,000.	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

		Level 5 (LTM) Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 4 v4																														
		Quantity Used	Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
			Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Generated	Conv. Factor	Generated	Conv. Factor	Emitted	Conv. Factor	Released	Conv. Factor	Released	Conv. Factor	Released
	Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs			
Totals			55,000.	0	0	0	0	0	0	0	0	8,700.	49.	2.	0.24	0	0	0	0.13	0	0	0	0	0	0	0	0	0	0			
Energy																																
Diesel (on-site)	gal	0	139	0	0	0	0	0	0	0	0	22.5	0	0.17	0	0.0054	0	0.0034	0	0	0	0	0	0.0003	0	0	0	0	0	0		
Gasoline (on-site use)	gal	445.2	124	55,000.	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			
Natural gas (on-site use)	ccf	0	103	0	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0.29	0	0	0	0	0			
Diesel (off-site use)	gal	0	0	0	0	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			
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
On-site electricity use	MWh	0	3413	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Electricity transmission*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Electricity production*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Energy Subtotal			55,000.	0	0	0	0	0	0	0	0	8,700.	49.	2.	0.24	0	0	0	0	0.13	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			
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Gravel/sand	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Cement Grout	dry-ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Concrete	tons	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Bentonite	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Diesel Produced	gal	0	0	0	0	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			
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Groundwater Extracted On-site	gal x 1000	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Potable Water Produced	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Potable Water Transported	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Potable Water Used	gal x 1000	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Other On-Site Water Used	gal x 1000	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Materials Subtotal			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Waste and Other Services																																
Off-site waste water treatment	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0			
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Hazardous Waste Generation	ton	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			
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			
Waste and Other Services Subtotal			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Other																																
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0				
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Other Subtotal			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				

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

		Level 5 (LTM) Total On-Site and Off-Site Parameters - Alternative 4 v4														
	Quantity Used	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
		Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
		Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Totals		7,900,000.	430.	480.	0	0	1,100,000.	4,100.	2,600.	100.	0.00081	0	180.	0.00016	0.0042	0.0000000006
Energy																
Diesel (on-site)	gal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gasoline (on-site use)	gal	445.2	55,000.	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
Diesel (off-site use)	gal	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	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
On-site electricity use	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity transmission*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity production*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Energy Subtotal		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
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gravel/sand	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cement Grout	dry-ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Concrete	tons	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bentonite	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	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
Gasoline Produced	gal	1923.6	40,000.	1.1	1.5	0	8,500.	15.	37.	1.	0.00081	0	0.31	0.00016	0.0042	0.0000000006
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Groundwater Extracted On-site	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Produced	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Transported	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other On-Site Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials Subtotal		40,000.	1.1	1.5	0	0	8,500.	15.	37.	1.	0.00081	0	0.31	0.00016	0.0042	0.0000000006
Waste and Other Services																
Off-site waste water treatment	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Laboratory Analysis	\$	861840	7,600,000.	430.	480.	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	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
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Subtotal		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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

Level 6 (Decomm.) Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 4 v4																															
	Quantity Used	Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
		Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Generated	Conv. Factor	Generated	Conv. Factor	Emitted	Conv. Factor	Released	Conv. Factor	Released	Conv. Factor	Released
			Mbtu		MWh		gal x 1000		gal x 1000		gal x 1000		lbs		lbs		lbs		lbs		tons		tons		lbs		lbs		lbs		lbs
Totals			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	22.5	500.	0.17	3.8	0.0054	0.12	0.0034	0.076	0	0	0	0	0.0003	0.0067	0	0	0	0	0	0
Gasoline (on-site use)	gal	0	124	0	0	0	0	0	0	0	0	19.6	0	0.11	0	0.0045	0	0.0005	0	0	0	0	0	0.0003	0	0	0	0	0	0	0
Natural gas (on-site use)	ccf	0	103	0	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0.29	0	0	0	0	0	0	0
Diesel (off-site use)	gal	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
Gasoline (off-site use)	gal	288	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site electricity use	MWh	0	3413	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity transmission*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity production*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Energy Subtotal			3,100.		0		0		0		0		500.		3.8		0.12		0.076		0		0		0.0067		0		0		0
Materials																															
PVC	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gravel/sand	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cement Grout	dry-ton	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
Concrete	tons	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bentonite	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Produced	gal	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
Gasoline Produced	gal	288	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Groundwater Extracted On-site	gal x 1000	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Produced	gal x 1000	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
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
Potable Water Used	gal x 1000	0.523	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
Other On-Site Water Used	gal x 1000	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials Subtotal			0		0		0.52		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
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Laboratory Analysis	\$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste and Other Services Subtotal			0		0		0		0		0		0		0		0		0		0		0		0		0		0		0
Other																															
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Other Subtotal			0		0		0		0		0		0		0		0		0		0		0		0		0		0		0

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

		Level 6 (Decomm.) Total On-Site and Off-Site Parameters - Alternative 4 v4														
	Quantity Used	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
		Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
		Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Totals		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	500.	3.8	0.12	0.076	0	0	0.0067	0	0	0
Gasoline (on-site use)	gal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural gas (on-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel (off-site use)	gal	2.05	280.	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	5,600.	32.	1.3	0.16	0	0	0.086	0	0	0
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site electricity use	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity transmission*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity production*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Energy Subtotal		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
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gravel/sand	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cement Grout	dry-ton	4.1	17,000.	0.53	1.7	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
Bentonite	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Produced	gal	24.45	450.	0.014	0.019	0	66.	0.16	0.32	0.0083	0.0000088	0	0.0029	0.0000012	0.000037	0.0000000000073
Gasoline Produced	gal	288	6,000.	0.17	0.23	0	1,300.	2.3	5.5	0.15	0.00012	0	0.046	0.000024	0.00063	0.0000000000089
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Groundwater Extracted On-site	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Produced	gal x 1000	0.523	4.8	0.00023	0.011	0	2.6	0.0051	0.0031	0.0084	0.0000044	0	0.0000078	0.000000043	0.000000035	0.0000000000052
Potable Water Transported	gal x 1000	0.523	3.9	0.00034	0	0	0	0	0	0	0.0000003	0	0	0	0	0
Potable Water Used	gal x 1000	0.523	0	0	0.52	0.52	0	0	0	0	0	0	0	0	0	0
Other On-Site Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials Subtotal		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
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Laboratory Analysis	\$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste and Other Services Subtotal		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other																
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Subtotal		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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

Alternative:

Alternative Name:

Path Name:

Main File Name:

Reference File Name:

Module File Name:

Alternative 4 v5

No GAC + No POTW + US

Green Remediation Tool Main.xlsx

Green Remediation Tool Reference US.xlsx

alternative 4 v3 inventory modules.xlsx

Variables In Alternative:

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

Usage Input - Alternative 4 v5

	Abbreviation	Units	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Total
			Site Invest.	Excavation	Construction	O&M	LTM	Decomm.	
Energy									
Diesel (on-site)	Diesel-On	gal	248.192	614.5843	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	642.355	4200	0	2.05	31342.98
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	9196.24	0	0	9196.24
Electricity transmission*	Elec. Trans	MWh	0	0	0	9196.24	0	0	9196.24
Electricity production*	Elec. Prod	MWh	0	0	0	9196.24	0	0	9196.24
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	32910	0	0	0	32910
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	1400000	0	0	1400000
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	4396.595	4200	0	24.45	35982.4
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	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	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	18880	0	0	18880
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 v5														
	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
	Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Level 1 - Site Invest.															
Energy	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	31,000,000.	9,200.	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	19,000.	0	0	0
O&M Total	31,000,000.	9,200.	2,700,000.	0	2,700,000.	190,000.	0	0	0	0	0	19,000.	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	32,000,000.	9,200.	2,700,000.	3.7	2,700,000.	300,000.	830.	27.	16.	0	6,200.	19,000.	0	0	0

	Totals For Parameters Used, Extracted, Emitted, or Generated Off-Site - Alternative 4 v5														
	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
	Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Level 1 - Site Invest.															
Energy	29,000.	0	0	0	0	4,500.	29.	1.1	0.34	0	0	0.066	0	0	0
Materials	13,000.	0.38	0.72	0	0	3,000.	6.3	8.7	0.2	0.00018	0	0.11	0.000076	0.00092	0.00000000086
Waste/Services	530,000.	30.	34.	0	0	78,000.	270.	180.	7.5	0.000012	0	13.	0.0000014	0.000011	0.00000000018
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Site Invest. Total	570,000.	30.	35.	0	0	86,000.	310.	190.	8.	0.00019	0	13.	0.000077	0.00093	0.0000000001
Level 2 - Excavation															
Energy	3,700,000.	0	0	0	0	600,000.	4,500.	140.	90.	0	0	8.	0	0	0
Materials	1,100,000.	40.	820.	0	0	230,000.	600.	670.	34.	0.0098	0	7.1	0.0048	0.05	0.00000000064
Waste/Services	1,200,000.	56.	1,000.	0	0	180,000.	980.	530.	2,700.	0.054	0	11.	0.0066	0.051	0.00000000081
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Excavation Total	6,000,000.	96.	1,800.	0	0	1,000,000.	6,100.	1,300.	2,800.	0.064	0	26.	0.011	0.1	0.00000000087
Level 3 - Construction															
Energy	260,000.	0	0	0	0	41,000.	260.	9.6	2.9	0	0	0.6	0	0	0
Materials	500,000.	17.	68.	0	0	120,000.	200.	240.	35.	9.5	0.0072	6.	0.0059	0.096	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	780,000.	18.	77.	0	0	160,000.	470.	260.	61.	9.5	0.0072	7.	0.006	0.096	0.000025
Level 4 - O&M															
Energy	79,000,000.	1,700.	20,000.	0	0	17,000,000.	23,000.	55,000.	830.	9.3	0	4,100.	0.26	1.6	0.0000024
Materials	14,000,000.	630.	9,000.	0	0	2,900,000.	35,000.	21,000.	12.	0.01	0	3.8	0.0019	0.051	0.00000000077
Waste/Services	1,500,000.	86.	97.	0	0	220,000.	780.	520.	20.	0	0	36.	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O&M Total	95,000,000.	2,400.	29,000.	0	0	20,000,000.	59,000.	77,000.	860.	9.3	0	4,100.	0.26	1.7	0.0000024
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	110,000,000.	3,000.	31,000.	0	0	22,000,000.	70,000.	81,000.	3,800.	19.	0.0072	4,300.	0.28	1.9	0.000027

	Totals for On-Site and Off-Site Parameters - Alternative 4 v5														
	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
	Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Level 1 - Site Invest.															
Energy	63,000.	0	0	0	0	10,000.	71.	2.4	1.2	0	0	0.14	0	0	0
Materials	13,000.	0.38	1.2	0.5	0	3,000.	6.3	8.7	0.2	0.00018	0	0.11	0.000076	0.00092	0.00000000086
Waste/Services	530,000.	30.	34.	0	0	78,000.	270.	180.	7.5	0.000012	1.3	13.	0.0000014	0.000011	0.00000000018
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Site Invest. Total	610,000.	30.	35.	0.5	0	91,000.	350.	190.	8.9	0.00019	1.3	13.	0.000077	0.00093	0.0000000001
Level 2 - Excavation															
Energy	3,800,000.	0	0	0	0	610,000.	4,600.	140.	92.	0	0	8.2	0	0	0
Materials	1,100,000.	40.	820.	0	0	230,000.	600.	670.	34.	0.0098	0	7.1	0.0048	0.05	0.00000000064
Waste/Services	1,200,000.	56.	1,000.	0	0	180,000.	980.	530.	2,700.	0.054	6,100.	11.	0.0066	0.051	0.00000000081
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Excavation Total	6,100,000.	96.	1,800.	0	0	1,000,000.	6,200.	1,300.	2,800.	0.064	6,100.	26.	0.011	0.1	0.00000000087
Level 3 - Construction															
Energy	780,000.	0	0	0	0	130,000.	900.	30.	16.	0	0	1.7	0	0	0
Materials	500,000.	17.	83.	2.7	12.	120,000.	200.	240.	35.	9.5	0.0072	6.	0.0059	0.096	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	1,300,000.	18.	92.	2.7	12.	250,000.	1,100.	280.	74.	9.5	52.	8.1	0.006	0.096	0.000025
Level 4 - O&M															
Energy	110,000,000.	11,000.	20,000.	0	0	17,000,000.	23,000.	55,000.	830.	9.3	0	4,100.	0.26	1.6	0.0000024
Materials	14,000,000.	630.	2,700,000.	0	2,700,000.	2,900,000.	35,000.	21,000.	12.	0.01	0	3.8	0.0019	0.051	0.00000000077
Waste/Services	1,500,000.	86.	97.	0	0	220,000.	780.	520.	20.	0	0	36.	0	0	0
Other	0	0	0	0	0	190,000.	0	0	0	0	0	19,000.	0	0	0
O&M Total	130,000,000.	12,000.	2,700,000.	0	2,700,000.	20,000,000.	59,000.	77,000.	860.	9.3	0	23,000.	0.26	1.7	0.0000024
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	150,000,000.	13,000.	2,700,000.	3.7	2,700,000.	22,000,000.	71,000.	81,000.	3,800.	19.	6,200.	23,000.	0.28	1.9	0.000027

	Percentages For Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 4 v5														
	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	<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	98%	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	98%	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 v5														
	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	<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%	<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%	0%	0%	<1%	<1%	<1%	<1%	<1%	0%	<1%	<1%	<1%	<1%
Level 2 - Excavation															
Energy	3%	0%	0%	0%	0%	3%	6%	<1%	2%	0%	0%	<1%	0%	0%	0%
Materials	1%	1%	3%	0%	0%	1%	<1%	<1%	<1%	<1%	0%	<1%	2%	3%	<1%
Waste/Services	1%	2%	3%	0%	0%	<1%	1%	<1%	71%	<1%	0%	<1%	2%	3%	<1%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Excavation Total	5%	3%	6%	0%	0%	4%	8%	0%	73%	<1%	0%	<1%	4%	5%	<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%	50%	100%	<1%	2%	5%	91%
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%	0%	50%	100%	<1%	2%	5%	91%
Level 4 - O&M															
Energy	72%	57%	64%	0%	0%	76%	33%	68%	22%	49%	0%	95%	94%	84%	9%
Materials	13%	21%	29%	0%	0%	13%	50%	26%	<1%	<1%	0%	<1%	<1%	3%	<1%
Waste/Services	1%	3%	<1%	0%	0%	1%	1%	<1%	<1%	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	86%	81%	92%	0%	0%	90%	84%	93%	22%	49%	0%	95%	94%	87%	9%
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	7%	14%	2%	0%	0%	5%	6%	3%	3%	0%	0%	4%	0%	0%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
On-Site Total	7%	14%	2%	0%	0%	5%	6%	3%	3%	<1%	0%	4%	<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 v5															
	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins	
	Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released	
Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs	
Level 1 - Site Invest.																
Energy	<1%	0%	0%	0%	0%	<1%	<1%	<1%	<1%	0%	0%	<1%	0%	0%	0%	0%
Materials	<1%	<1%	<1%	13%	0%	<1%	<1%	<1%	<1%	<1%	0%	<1%	<1%	<1%	<1%	<1%
Waste/Services	<1%	<1%	<1%	0%	0%	<1%	<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%	0%
Site Invest. Total	<1%	<1%	<1%	13%	0%	<1%	<1%	<1%	<1%	<1%	<1%	<1%	<1%	<1%	<1%	<1%
Level 2 - Excavation																
Energy	3%	0%	0%	0%	0%	3%	6%	<1%	2%	0%	0%	<1%	0%	0%	0%	0%
Materials	<1%	<1%	<1%	0%	0%	1%	<1%	<1%	<1%	<1%	0%	<1%	2%	3%	<1%	<1%
Waste/Services	<1%	<1%	<1%	0%	0%	<1%	1%	<1%	70%	<1%	99%	<1%	2%	3%	<1%	<1%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Excavation Total	3%	<1%	<1%	0%	0%	4%	8%	0%	73%	<1%	99%	<1%	4%	5%	<1%	<1%
Level 3 - Construction																
Energy	<1%	0%	0%	0%	0%	<1%	1%	<1%	<1%	0%	0%	<1%	0%	0%	0%	0%
Materials	<1%	<1%	<1%	73%	<1%	<1%	<1%	<1%	<1%	50%	<1%	<1%	2%	5%	91%	91%
Waste/Services	<1%	<1%	<1%	0%	0%	<1%	<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%	0%
Construction Total	<1%	<1%	<1%	73%	<1%	0%	1%	<1%	0%	50%	<1%	<1%	2%	5%	91%	91%
Level 4 - O&M																
Energy	75%	87%	<1%	0%	0%	76%	32%	68%	22%	49%	0%	18%	94%	84%	9%	9%
Materials	10%	5%	100%	0%	100%	13%	49%	26%	<1%	<1%	0%	<1%	<1%	3%	<1%	<1%
Waste/Services	1%	<1%	<1%	0%	0%	1%	1%	<1%	<1%	0%	0%	<1%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	<1%	0%	0%	0%	0%	0%	82%	0%	0%	0%	0%
On-Site Total	86%	92%	100%	0%	100%	90%	83%	93%	22%	49%	0%	99%	94%	87%	9%	9%
Level 5 - LTM																
Energy	<1%	0%	0%	0%	0%	<1%	<1%	<1%	<1%	0%	0%	<1%	0%	0%	0%	0%
Materials	<1%	<1%	<1%	0%	0%	<1%	<1%	<1%	<1%	<1%	0%	<1%	<1%	<1%	<1%	<1%
Waste/Services	5%	3%	<1%	0%	0%	5%	6%	3%	3%	0%	0%	<1%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
On-Site Total	5%	3%	<1%	0%	0%	5%	6%	3%	3%	<1%	0%	<1%	<1%	<1%	<1%	<1%
Level 6 - Decomm.																
Energy	<1%	0%	0%	0%	0%	<1%	<1%	<1%	<1%	0%	0%	<1%	0%	0%	0%	0%
Materials	<1%	<1%	<1%	14%	0%	<1%	<1%	<1%	<1%	<1%	0%	<1%	<1%	<1%	<1%	<1%
Waste/Services	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Off-Site Total	<1%	<1%	<1%	14%	0%	<1%	<1%	<1%	<1%	<1%	0%	<1%	<1%	<1%	<1%	<1%

		All Levels - Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 4 v5																														
		Quantity Used	Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
			Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Extracted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Generated	Conv. Factor	Generated	Conv. Factor	Emitted	Conv. Factor	Released	Conv. Factor	Released	Conv. Factor	Released
	Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs		
Totals			32,000,000.		9,200.		2,700,000.		3.7		2,700,000.		300,000.		830.		27.		16.		0		6,200.		19,000.		0		0		0	
Energy																																
Diesel (on-site)	gal	4639.4163	139	642,100.	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		
Gasoline (on-site use)	gal	445.2	124	55,000.	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		
Natural gas (on-site use)	ccf	0	103	0	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0.29	0	0	0	0	0	0		
Diesel (off-site use)	gal	31342.983	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		
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		
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
On-site electricity use	MWh	9196.24	3413	31,000,000.	1	9,200.	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	9196.24	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		
Electricity production*	MWh	9196.24	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		
Energy Subtotal				32,000,000.		9,200.		0		0		0	110,000.		830.		27.		16.		0		6,200.		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		
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		
Steel	lb	32910	0	0	0	0	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		
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		
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		
Concrete	tons	349.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Bentonite	ton	0.3	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		
Regenerated GAC	lbs	1400000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Diesel Produced	gal	35982.399	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		
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		
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Groundwater Extracted On-site	gal x 1000	2733132	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		
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		
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		
Potable Water Used	gal x 1000	3.768	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		
Other On-Site Water Used	gal x 1000	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Materials Subtotal				0		0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0		
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Hazardous Waste Generation	ton	6202.54	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		
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		
Waste and Other Services Subtotal				0		0		0		0		0		0		0		0		0		6,200.		0		0		0		0		
Other																																
On-site process emissions (HAPs)	lbs	18880	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	19,000.	0	0	0	0	0		
On-site process emissions (GHGs)	lbs CO2e	192000	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		
Other Subtotal				0		0		0		0		190,000.		0		0		0		0		0		19,000.		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 v5																																
	Quantity Used	Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins		
		Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Extracted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Generated	Conv. Factor	Generated	Conv. Factor	Emitted	Conv. Factor	Released	Conv. Factor	Released	Conv. Factor	Released	
			Mbtu		MWh		gal x 1000		gal x 1000		gal x 1000		lbs		lbs		lbs		lbs		tons		tons		lbs		lbs		lbs		lbs	
Totals			110,000,000.		3,000.		32,000.		0		0		23,000,000.		70,000.		81,000.		3,800.		19.		0.0072		4,500.		0.28		1.9		0.000027	
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	31342.983	139	4,380,280.	0	0	0	0	0	0	0	22.5	700,746.	0.17	5,333.35	0.0054	166.921	0.0034	106.467	0	0	0	0	0.0003	9.41362	0	0	0	0	0	0	
Gasoline (off-site use)	gal	24081.2	124	2,942,000.	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	0.0003	7.271	0	0	0	0	0	0	0	
Natural gas (off-site use)	ccf	0	103	0	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0.29	0	0	0	0	0	0	0	0	
On-site electricity use	MWh	9196.24	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	
Electricity transmission*	MWh	9196.24	410	3,800,000.	0.12	1,100.	0.24	2,200.	0	0	0	190.8	1,800,000.	0.2328	2,100.	0.636	5,800.	0.0094	86.	0.0001	0.99	0	0	0.048	440.	3E-06	0.028	2E-05	0.17	3E-11	0.00000025	
Electricity production*	MWh	9196.24	7800	72,000,000.	0.06	550.	2	18,000.	0	0	0	1590	15,000,000.	1.94	18,000.	5.3	49,000.	0.078	720.	0.0009	8.3	0	0	0.4	3,700.	3E-05	0.23	0.0002	1.4	2E-10	0.00000021	
Energy Subtotal			83,000,000.		1,700.		20,000.		0		0		18,000,000.		28,000.		55,000.		930.		9.3		0		4,200.		0.26		1.6		0.000024	
Materials																																
PVC	lb	3264	22	72,000.	0.0006	1.8	0.0069	23.	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	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	32910	4.4	140,000.	0.0002	6.9	0.0006	21.	0	0	0	1.1	36,000.	0.0014	46.	0.0017	56.	0.0006	18.	0.0003	8.2	0	0	7E-05	2.2	1E-07	0.0033	3E-06	0.082	7E-12	0.00000021	
Stainless Steel	lb	2100	11.6	24,000.	0.0006	1.2	0.0023	4.8	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	0.000000046	
Gravel/sand	ton	5636.7	55	310,640.	0.0027	15.032	0.13	731.5	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	0.00006814	2E-16	0.00000000008418	
Cement Grout	dry-ton	26.45	4100	108,500.	0.13	3.44	0.41	10.85	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	0.00000002222	
Concrete	tons	349.2	793	280,000.	0.026	9.1	0.19	66.	0	0	0	335	120,000.	0.68	240.	0.41	140.	0.0044	1.5	3E-08	0.0000098	0	0	0.011	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	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	0.00000000019	1E-09	0.00000000036	2E-16	0.000000000000045	
Regenerated GAC	lbs	1400000	9.6	13,000,000.	0.0004	620.	0.0064	9,000.	0	0	0	2	2,800,000.	0.025	35,000.	0.015	21,000.	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	0.4	0	0.003	0	0.0026	0	6E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	0	1.87	0	0	0	0	0	0	0	0	1.1	0	0.0083	0	0.0099	0	0.0002	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	0	3.6	0	6E-05	0	2E-05	0	0	0	0	3.51	0	0.0265	0	0.031	0	0.0017	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Produced	gal	35982.399	18.5	665,450.	0.0006	21.304	0.0008	27.869	0	0	0	2.7	96,946.	0.0064	227.26	0.013	466.52	0.0003	12.2183	4E-07	0.0129288	0	0	0.0001	4.2719	5E-08	0.0017272	2E-06	0.054427	3E-14	0.0000000108043	
Gasoline Produced	gal	24526.4	21	513,500.	0.0006	14.334	0.0008	19.18	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	0.000000007648	
Natural Gas Produced	ccf	0	5.2	0	0.0003	0	8E-05	0	0	0	0	2.2	0	0.0037	0	0.0046	0	7E-05	0	0	0	0	0	6E-06	0	2E-08	0	9E-07	0	5E-14	0	
Groundwater Extracted On-site	gal x 1000	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	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	0.00000249	1E-13	0.0000000000000372	
Potable Water Transported	gal x 1000	3.768	7.4	27.6	0.0006	0.00246	0	0	0	0	0	0	0	0	0	0	0	0	0	6E-07	0.00000219	0	0	0	0	0	0	0	0	0	0	0
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			15,000,000.		690.		9,900.		0		0		3,300,000.		36,000.		22,000.		82.		9.5		0.0072		18.		0.013		0.2		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	3	0	0.0061	0	0.0029	0	8E-05	0	5E-07	0	0	0	0.0001	0	8E-08	0	6E-07	0	1E-12	0	
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	160	0	0.0077	0	0.15	0	0	0	0	25	0	0.14	0	0.075	0	0.4	0	8E-06	0	0	0	0.0014	0	1E-06	0	8E-06	0	1E-11	0	0
Hazardous Waste Generation	ton	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	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	0.000000081708	
Laboratory Analysis	\$	1103360	8.8	9,704,000.	0.0005	550.3	0.0006	615.78	0	0	0	1.3</																				

All Levels - Total On-Site and Off-Site Parameters - Alternative 4 v5																
	Quantity Used	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
		Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
		Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Totals		140,000,000.	12,000.	2,700,000.	3.7	2,700,000.	23,000,000.	71,000.	81,000.	3,800.	19.	6,200.	23,000.	0.28	1.9	0.000027
Energy																
Diesel (on-site)	gal	4639.4163	642,100.	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	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
Diesel (off-site use)	gal	31342.983	4,380,280.	0	0	0	700,746.	5,333.35	166.921	106.467	0	0	9.41362	0	0	0
Gasoline (off-site use)	gal	24081.2	2,942,000.	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
On-site electricity use	MWh	9196.24	31,000,000.	9,200.	0	0	0	0	0	0	0	0	0	0	0	0
Electricity transmission*	MWh	9196.24	3,800,000.	1,100.	2,200.	0	1,800,000.	2,100.	5,800.	86.	0.99	0	440.	0.028	0.17	0.0000025
Electricity production*	MWh	9196.24	72,000,000.	550.	18,000.	0	15,000,000.	18,000.	49,000.	720.	8.3	0	3,700.	0.23	1.4	0.0000021
Energy Subtotal		110,000,000.	11,000.	20,000.	0	0	18,000,000.	29,000.	55,000.	940.	9.3	0	4,200.	0.26	1.6	0.0000024
Materials																
PVC	lb	3264	72,000.	1.8	23.	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	3,800.	6.4	8.2	1.3	0.00086	0.002	0.0068	0.0000052	0.0000048	0.000002
Steel	lb	32910	140,000.	6.9	21.	0	36,000.	46.	56.	18.	8.2	0	2.2	0.0033	0.082	0.0000021
Stainless Steel	lb	2100	24,000.	1.2	4.8	0	7,100.	16.	25.	9.2	1.3	0	0.3	0	0.0011	0.000000046
Gravel/sand	ton	5636.7	310,640.	15.032	731.5	0	38,078.	190.39	170.35	23.047	0	0	0.0023048	0.0000036075	0.000006814	0.0000000008418
Cement Grout	dry-ton	26.45	108,500.	3.44	10.85	0	47,900.	95.1	55.4	0.1714	0	0	1.489	0.001478	0.00344	0.00000002222
Concrete	tons	349.2	280,000.	9.1	66.	0	120,000.	240.	140.	1.5	0.0000098	0	3.8	0.0035	0.0084	0.0000000056
Bentonite	ton	0.3	17.	0.00081	0.039	0	2.	0.0099	0.009	0.0012	0	0	0.00000012	0.00000000019	0.00000000036	0.000000000000045
Regenerated GAC	lbs	1400000	13,000,000.	620.	9,000.	0	2,800,000.	35,000.	21,000.	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
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Produced	gal	35982.399	665,450.	21.304	27.869	0	96,946.	227.26	466.52	12.2183	0.0129288	0	4.2719	0.0017272	0.054427	0.0000000108043
Gasoline Produced	gal	24526.4	513,500.	14.334	19.18	0	107,830.	191.9	467.	13.084	0.01029	0	3.948	0.002032	0.05383	0.000000007648
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Groundwater Extracted On-site	gal x 1000	2733132	0	0	2,700,012.	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	19.1	0.037	0.0221	0.0604	0.00000316	0	0.0000563	0.000000314	0.000000249	0.000000000000372
Potable Water Transported	gal x 1000	3.768	27.6	0.00246	0	0	0	0	0	0	0.00000219	0	0	0	0	0
Potable Water Used	gal x 1000	3.768	0	0	3.72	3.72	0	0	0	0	0	0	0	0	0	0
Other On-Site Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials Subtotal		15,000,000.	690.	2,700,000.	3.7	2,700,000.	3,300,000.	36,000.	22,000.	82.	9.5	0.0072	18.	0.013	0.2	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
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Generation	ton	6202.54	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	171,437.	958.31	514.41	2,723.59	0.054472	0	9.5831	0.0066574	0.051451	0.00000081708
Laboratory Analysis	\$	1103360	9,704,000.	550.3	615.78	0	1,409,000.	4,988.3	3,325.2	125.87	0	0	230.79	0	0	0
Waste and Other Services Subtotal		11,000,000.	600.	1,600.	0	0	1,600,000.	5,900.	3,800.	2,800.	0.054	6,200.	240.	0.0067	0.051	0.00000082
Other																
On-site process emissions (HAPs)	lbs	18880	0	0	0	0	0	0	0	0	0	0	19,000.	0	0	0
On-site process emissions (GHGs)	lbs CO2e	192000	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	19,000.	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

Level 1 (Site Invest.) Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 4 v5																															
	Quantity Used	Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
		Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Extracted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Generated	Conv. Factor	Generated	Conv. Factor	Emitted	Conv. Factor	Released	Conv. Factor	Released	Conv. Factor	Released
			Mbtu		MWh		gal x 1000		gal x 1000		gal x 1000		lbs		lbs		lbs		lbs		tons		tons		lbs		lbs		lbs		lbs
Totals			34,000.		0		0.5		0.5		0		5,600.		42.		1.3		0.84		0		1.3		0.074		0		0		0
Energy																															
Diesel (on-site)	gal	248.192	139	34,000.	0	0	0	0	0	0	0	22.5	5,600.	0.17	42.	0.0054	1.3	0.0034	0.84	0	0	0	0	0.0003	0.074	0	0	0	0	0	0
Gasoline (on-site use)	gal	0	124	0	0	0	0	0	0	0	0	19.6	0	0.11	0	0.0045	0	0.0005	0	0	0	0	0	0.0003	0	0	0	0	0	0	0
Natural gas (on-site use)	ccf	0	103	0	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0.29	0	0	0	0	0	0	0
Diesel (off-site use)	gal	76.0376	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gasoline (off-site use)	gal	143.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site electricity use	MWh	0	3413	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity transmission*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity production*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Energy Subtotal			34,000.		0		0		0		0		5,600.		42.		1.3		0.84		0		1.3		0.074		0		0		0
Materials																															
PVC	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gravel/sand	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cement Grout	dry-ton	0.85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Concrete	tons	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bentonite	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Produced	gal	324.2296	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gasoline Produced	gal	143.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Groundwater Extracted On-site	gal x 1000	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Produced	gal x 1000	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Transported	gal x 1000	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Used	gal x 1000	0.5	0	0	0	1	0.5	1	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other On-Site Water Used	gal x 1000	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials Subtotal			0		0		0.5		0.5		0		0		0		0		0		0		0		0		0		0		0
Waste and Other Services																															
Off-site waste water treatment	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Generation	ton	1.34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1.3	0	0	0	0	0	0	0	0
Hazardous Waste Disposal	ton	1.34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Laboratory Analysis	\$	60220	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste and Other Services Subtotal			0		0		0		0		0		0		0		0		0		0		1.3		0		0		0		0
Other																															
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Other Subtotal			0		0		0		0		0		0		0		0		0		0		0		0		0		0		0

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

		Level 1 (Site Invest.) Total On-Site and Off-Site Parameters - Alternative 4 v5															
		Quantity Used	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
			Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
			Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Totals			610,000.	30.	35.	0.5	0	91,000.	350.	190.	8.9	0.00019	1.3	13.	0.000077	0.00093	0.0000000001
Energy																	
Diesel (on-site)	gal	248.192	34,000.	0	0	0	0	5,600.	42.	1.3	0.84	0	0	0.074	0	0	0
Gasoline (on-site use)	gal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural gas (on-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel (off-site use)	gal	76.0376	11,000.	0	0	0	0	1,700.	13.	0.41	0.26	0	0	0.023	0	0	0
Gasoline (off-site use)	gal	143.2	18,000.	0	0	0	0	2,800.	16.	0.64	0.077	0	0	0.043	0	0	0
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site electricity use	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity transmission*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity production*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Energy Subtotal			63,000.	0	0	0	0	10,000.	71.	2.4	1.2	0	0	0.14	0	0	0
Materials																	
PVC	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gravel/sand	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cement Grout	dry-ton	0.85	3,500.	0.11	0.35	0	0	1,500.	3.1	1.8	0.0054	0	0	0.049	0.000048	0.00011	0.000000000072
Concrete	tons	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bentonite	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Produced	gal	324.2296	6,000.	0.19	0.25	0	0	880.	2.1	4.2	0.11	0.00012	0	0.039	0.000016	0.00049	0.000000000097
Gasoline Produced	gal	143.2	3,000.	0.084	0.11	0	0	630.	1.1	2.7	0.074	0.00006	0	0.023	0.000012	0.00032	0.0000000000044
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Groundwater Extracted On-site	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Produced	gal x 1000	0.5	4.6	0.00022	0.011	0	0	2.5	0.0049	0.003	0.008	0.0000042	0	0.0000075	0.000000041	0.000000034	0.0000000000005
Potable Water Transported	gal x 1000	0.5	3.7	0.00032	0	0	0	0	0	0	0	0.0000029	0	0	0	0	0
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	0.000076	0.00092	0.000000000086
Waste and Other Services																	
Off-site waste water treatment	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Generation	ton	1.34	0	0	0	0	0	0	0	0	0	0	1.3	0	0	0	0
Hazardous Waste Disposal	ton	1.34	240.	0.011	0.22	0	0	37.	0.21	0.11	0.59	0.000012	0	0.0021	0.0000014	0.000011	0.000000000018
Laboratory Analysis	\$	60220	530,000.	30.	34.	0	0	78,000.	270.	180.	6.9	0	0	13.	0	0	0
Waste and Other Services Subtotal			530,000.	30.	34.	0	0	78,000.	270.	180.	7.5	0.000012	1.3	13.	0.000014	0.000011	0.000000000018
Other																	
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Subtotal			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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

		Level 2 (Excavation) Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 4 v5																														
		Quantity Used	Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
			Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Generated	Conv. Factor	Generated	Conv. Factor	Emitted	Conv. Factor	Released	Conv. Factor	Released	Conv. Factor	Released
	Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs			
Totals			85,000.		0		0		0		0		14,000.		100.		3.3		2.1		0		6,100.		0.18		0		0		0	
Energy																																
Diesel (on-site)	gal	614.58432	139	85,000.	0	0	0	0	0	0	0	22.5	14,000.	0.17	100.	0.0054	3.3	0.0034	2.1	0	0	0	0	0.0003	0.18	0	0	0	0	0		
Gasoline (on-site use)	gal	0	124	0	0	0	0	0	0	0	0	19.6	0	0.11	0	0.0045	0	0.0005	0	0	0	0	0	0.0003	0	0	0	0	0	0		
Natural gas (on-site use)	ccf	0	103	0	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0.29	0	0	0	0	0	0		
Diesel (off-site use)	gal	26422.54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Gasoline (off-site use)	gal	307.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
On-site electricity use	MWh	0	3413	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Electricity transmission*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Electricity production*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Energy Subtotal				85,000.		0		0		0			14,000.		100.		3.3		2.1		0		6,100.		0.18		0		0		0	
Materials																																
PVC	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Gravel/sand	ton	5625	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Cement Grout	dry-ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Concrete	tons	349.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Bentonite	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Diesel Produced	gal	27037.124	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Gasoline Produced	gal	307.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Groundwater Extracted On-site	gal x 1000	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Potable Water Produced	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Potable Water Transported	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Potable Water Used	gal x 1000	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Other On-Site Water Used	gal x 1000	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Materials Subtotal				0		0		0		0			0		0		0		0		0		0		0		0		0		0	
Waste and Other Services																																
Off-site waste water treatment	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0		
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Hazardous Waste Generation	ton	6148.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6,100.	0	0	0	0	0	0	0	0		
Hazardous Waste Disposal	ton	6148.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Laboratory Analysis	\$	7100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Waste and Other Services Subtotal				0		0		0		0			0		0		0		0		0		6,100.		0		0		0		0	
Other																																
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0		
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Other Subtotal				0		0		0		0			0		0		0		0		0		0		0		0		0		0	

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

		Level 2 (Excavation) Total On-Site and Off-Site Parameters - Alternative 4 v5															
		Quantity Used	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
			Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
			Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Totals			6,100,000.	96.	1,800.	0	0	1,000,000.	6,200.	1,300.	2,800.	0.064	6,100.	26.	0.011	0.1	0.000000087
Energy																	
Diesel (on-site)	gal	614.58432	85,000.	0	0	0	0	14,000.	100.	3.3	2.1	0	0	0.18	0	0	0
Gasoline (on-site use)	gal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural gas (on-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel (off-site use)	gal	26422.54	3,700,000.	0	0	0	0	590,000.	4,500.	140.	90.	0	0	7.9	0	0	0
Gasoline (off-site use)	gal	307.2	38,000.	0	0	0	0	6,000.	34.	1.4	0.17	0	0	0.092	0	0	0
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site electricity use	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity transmission*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity production*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Energy Subtotal			3,800,000.	0	0	0	0	610,000.	4,600.	140.	92.	0	0	8.2	0	0	0
Materials																	
PVC	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gravel/sand	ton	5625	310,000.	15.	730.	0	0	38,000.	190.	170.	23.	0	0	0.0023	0.00000036	0.0000068	0.000000000084
Cement Grout	dry-ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Concrete	tons	349.2	280,000.	9.1	66.	0	0	120,000.	240.	140.	1.5	0.0000098	0	3.8	0.0035	0.0084	0.0000000056
Bentonite	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Produced	gal	27037.124	500,000.	16.	21.	0	0	73,000.	170.	350.	9.2	0.0097	0	3.2	0.0013	0.041	0.00000000081
Gasoline Produced	gal	307.2	6,500.	0.18	0.24	0	0	1,400.	2.5	5.8	0.16	0.00013	0	0.049	0.000026	0.00068	0.000000000095
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Groundwater Extracted On-site	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Produced	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Transported	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other On-Site Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials Subtotal			1,100,000.	40.	820.	0	0	230,000.	600.	670.	34.	0.0098	0	7.1	0.0048	0.05	0.000000064
Waste and Other Services																	
Off-site waste water treatment	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Generation	ton	6148.8	0	0	0	0	0	0	0	0	0	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 4 v5																														
		Quantity Used	Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
			Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Generated	Conv. Factor	Generated	Conv. Factor	Emitted	Conv. Factor	Released	Conv. Factor	Released	Conv. Factor	Released
	Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs			
Totals			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	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		
Gasoline (on-site use)	gal	0	124	0	0	0	0	0	0	0	0	19.6	0	0.11	0	0.0045	0	0.0005	0	0	0	0	0	0.0003	0	0	0	0	0	0		
Natural gas (on-site use)	ccf	0	103	0	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0.29	0	0	0	0	0	0		
Diesel (off-site use)	gal	642.355	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		
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		
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
On-site electricity use	MWh	0	3413	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Electricity transmission*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Electricity production*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Energy Subtotal			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		
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		
Steel	lb	32910	0	0	0	0	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		
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		
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		
Concrete	tons	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Bentonite	ton	0.3	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		
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Diesel Produced	gal	4396.595	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		
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		
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Groundwater Extracted On-site	gal x 1000	12	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		
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		
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		
Potable Water Used	gal x 1000	2.745	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		
Other On-Site Water Used	gal x 1000	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Materials Subtotal			0		0		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		
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0		
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Hazardous Waste Generation	ton	52.4	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		
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		
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	1	0	0	0	0	0	0		
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Other Subtotal			0		0		0		0		0		0		0		0		0		0		0		0		0		0		0	

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

		Level 3 (Construction) Total On-Site and Off-Site Parameters - Alternative 4 v5														
	Quantity Used	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
		Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
		Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Totals		1,300,000.	18.	92.	2.7	12.	250,000.	1,100.	280.	74.	9.5	52.	8.1	0.006	0.096	0.000025
Energy																
Diesel (on-site)	gal	3754.24	520,000.	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
Natural gas (on-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel (off-site use)	gal	642.355	89,000.	0	0	0	14,000.	110.	3.5	2.2	0	0	0.19	0	0	0
Gasoline (off-site use)	gal	1352.4	170,000.	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
On-site electricity use	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity transmission*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity production*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Energy Subtotal		780,000.	0	0	0	0	130,000.	900.	30.	16.	0	0	1.7	0	0	0
Materials																
PVC	lb	3264	72,000.	1.8	23.	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	3,800.	6.4	8.2	1.3	0.00086	0.002	0.0068	0.0000052	0.0000048	0.000002
Steel	lb	32910	140,000.	6.9	21.	0	36,000.	46.	56.	18.	8.2	0	2.2	0.0033	0.082	0.0000021
Stainless Steel	lb	2100	24,000.	1.2	4.8	0	7,100.	16.	25.	9.2	1.3	0	0.3	0	0.0011	0.000000046
Gravel/sand	ton	11.7	640.	0.032	1.5	0	78.	0.39	0.35	0.047	0	0	0.0000048	0.0000000075	0.000000014	0.00000000000018
Cement Grout	dry-ton	21.5	88,000.	2.8	8.8	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
Bentonite	ton	0.3	17.	0.00081	0.039	0	2.	0.0099	0.009	0.0012	0	0	0.00000012	0.000000000019	0.00000000036	0.000000000000045
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Produced	gal	4396.595	81,000.	2.6	3.4	0	12,000.	28.	57.	1.5	0.0016	0	0.53	0.00021	0.0066	0.00000000013
Gasoline Produced	gal	1352.4	28,000.	0.8	1.1	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
Groundwater Extracted On-site	gal x 1000	12	0	0	12.	0	0	0	0	0	0	0	0	0	0	0
Potable Water Produced	gal x 1000	2.745	25.	0.0012	0.058	0	14.	0.027	0.016	0.044	0.0000023	0	0.000041	0.000000023	0.000000018	0.00000000000027
Potable Water Transported	gal x 1000	2.745	20.	0.0018	0	0	0	0	0	0	0.0000016	0	0	0	0	0
Potable Water Used	gal x 1000	2.745	0	0	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
Materials Subtotal		500,000.	17.	83.	2.7	12.	120,000.	200.	240.	35.	9.5	0.0072	6.	0.0059	0.096	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
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Generation	ton	52.4	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	1,400.	8.1	4.3	23.	0.00046	0	0.081	0.000056	0.00044	0.0000000069
Laboratory Analysis	\$	1400	12,000.	0.7	0.78	0	1,800.	6.3	4.2	0.16	0	0	0.29	0	0	0
Waste and Other Services Subtotal		21,000.	1.2	9.4	0	0	3,200.	14.	8.5	23.	0.00046	52.	0.37	0.000056	0.00044	0.0000000069
Other																
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Subtotal		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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

		Level 4 (O&M) Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 4 v5																														
		Quantity Used	Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
			Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Generated	Conv. Factor	Generated	Conv. Factor	Emitted	Conv. Factor	Released	Conv. Factor	Released	Conv. Factor	Released
	Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs			
Totals			31,000,000.	9,200.	2,700,000.	0	2,700,000.					190,000.	0		0			0		0			0		19,000.		0		0		0	
Energy																																
Diesel (on-site)	gal	0	139	0	0	0	0	0	0	0	0	22.5	0	0.17	0	0.0054	0	0.0034	0	0	0	0	0	0.0003	0	0	0	0	0	0	0	
Gasoline (on-site use)	gal	0	124	0	0	0	0	0	0	0	0	19.6	0	0.11	0	0.0045	0	0.0005	0	0	0	0	0	0.0003	0	0	0	0	0	0	0	
Natural gas (on-site use)	ccf	0	103	0	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0.29	0	0	0	0	0	0	0	
Diesel (off-site use)	gal	4200	0	0	0	0	0	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	
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
On-site electricity use	MWh	9196.24	3413	31,000,000.	1	9,200.	0	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	9196.24	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	
Electricity production*	MWh	9196.24	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	
Energy Subtotal			31,000,000.	9,200.	0	0	0	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																																
PVC	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Gravel/sand	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Cement Grout	dry-ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Concrete	tons	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bentonite	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Regenerated GAC	lbs	1400000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Diesel Produced	gal	4200	0	0	0	0	0	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	
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Groundwater Extracted On-site	gal x 1000	2733120	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	
Potable Water Transported	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Potable Water Used	gal x 1000	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Other On-Site Water Used	gal x 1000	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Materials Subtotal			0	0	0	2,700,000.	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Hazardous Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	
Hazardous Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Laboratory Analysis	\$	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	
Waste and Other Services Subtotal			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Other																																
On-site process emissions (HAPs)	lbs	18880	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	19,000.	0	0	0	0	0		
On-site process emissions (GHGs)	lbs CO2e	192000	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		
Other Subtotal			0	0	0	0	0	0	0	0	0	190,000.	0	0	0	0	0	0	0	0	0	0	0	0	19,000.	0	0	0	0	0		

Notes:

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

		Level 4 (O&M) Total On-Site and Off-Site Parameters - Alternative 4 v5														
	Quantity Used	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
		Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
		Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Totals		130,000,000.	12,000.	2,700,000.	0	2,700,000.	20,000,000.	59,000.	77,000.	860.	9.3	0	23,000.	0.26	1.7	0.0000024
Energy																
Diesel (on-site)	gal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gasoline (on-site use)	gal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural gas (on-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel (off-site use)	gal	4200	580,000.	0	0	0	95,000.	710.	23.	14.	0	0	1.3	0	0	0
Gasoline (off-site use)	gal	20512	2,500,000.	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
On-site electricity use	MWh	9196.24	31,000,000.	9,200.	0	0	0	0	0	0	0	0	0	0	0	0
Electricity transmission*	MWh	9196.24	3,800,000.	1,100.	2,200.	0	1,800,000.	2,100.	5,800.	86.	0.99	0	440.	0.028	0.17	0.0000025
Electricity production*	MWh	9196.24	72,000,000.	550.	18,000.	0	15,000,000.	18,000.	49,000.	720.	8.3	0	3,700.	0.23	1.4	0.0000021
Energy Subtotal		110,000,000.	11,000.	20,000.	0	0	17,000,000.	23,000.	55,000.	830.	9.3	0	4,100.	0.26	1.6	0.0000024
Materials																
PVC	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gravel/sand	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cement Grout	dry-ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Concrete	tons	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bentonite	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Regenerated GAC	lbs	1400000	13,000,000.	620.	9,000.	0	2,800,000.	35,000.	21,000.	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
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Produced	gal	4200	78,000.	2.5	3.2	0	11,000.	27.	55.	1.4	0.0015	0	0.5	0.0002	0.0063	0.0000000013
Gasoline Produced	gal	20512	430,000.	12.	16.	0	90,000.	160.	390.	11.	0.0086	0	3.3	0.0017	0.045	0.0000000064
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Groundwater Extracted On-site	gal x 1000	2733120	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
Potable Water Transported	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other On-Site Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials Subtotal		14,000,000.	630.	2,700,000.	0	2,700,000.	2,900,000.	35,000.	21,000.	12.	0.01	0	3.8	0.0019	0.051	0.0000000077
Waste and Other Services																
Off-site waste water treatment	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Laboratory Analysis	\$	172800	1,500,000.	86.	97.	0	220,000.	780.	520.	20.	0	0	36.	0	0	0
Waste and Other Services Subtotal		1,500,000.	86.	97.	0	0	220,000.	780.	520.	20.	0	0	36.	0	0	0
Other																
On-site process emissions (HAPs)	lbs	18880	0	0	0	0	0	0	0	0	0	0	19,000.	0	0	0
On-site process emissions (GHGs)	lbs CO2e	192000	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	19,000.	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

		Level 5 (LTM) Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 4 v5																														
		Quantity Used	Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
			Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Generated	Conv. Factor	Generated	Conv. Factor	Emitted	Conv. Factor	Released	Conv. Factor	Released	Conv. Factor	Released
	Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs			
Totals			55,000.	0	0	0	0	0	0	0	8,700.	49.	2.	0.24	0	0	0.13	0	0	0	0	0	0	0	0	0	0	0	0	0		
Energy																																
Diesel (on-site)	gal	0	139	0	0	0	0	0	0	0	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	19.6	8,700.	0.11	49.	0.0045	2.	0.0005	0.24	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	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0.29	0	0	0	0	0	0	0			
Diesel (off-site use)	gal	0	0	0	0	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			
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
On-site electricity use	MWh	0	3413	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Electricity transmission*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Electricity production*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Energy Subtotal			55,000.	0	0	0	0	0	0	0	8,700.	49.	2.	0.24	0	0	0.13	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			
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Gravel/sand	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Cement Grout	dry-ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Concrete	tons	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Bentonite	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Diesel Produced	gal	0	0	0	0	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			
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Groundwater Extracted On-site	gal x 1000	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Potable Water Produced	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Potable Water Transported	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Potable Water Used	gal x 1000	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Other On-Site Water Used	gal x 1000	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Materials Subtotal			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Waste and Other Services																																
Off-site waste water treatment	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Hazardous Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Hazardous Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
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			
Waste and Other Services Subtotal			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
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			
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Other Subtotal			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			

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

		Level 5 (LTM) Total On-Site and Off-Site Parameters - Alternative 4 v5															
		Quantity Used	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
			Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
			Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Totals			7,900,000.	430.	480.	0	0	1,100,000.	4,100.	2,600.	100.	0.00081	0	180.	0.00016	0.0042	0.0000000006
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	0.0000000006
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	0.0000000006
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

Level 6 (Decomm.) Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 4 v5																															
	Quantity Used	Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
		Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Extracted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Generated	Conv. Factor	Generated	Conv. Factor	Emitted	Conv. Factor	Released	Conv. Factor	Released	Conv. Factor	Released
			Mbtu		MWh		gal x 1000		gal x 1000		gal x 1000		lbs		lbs		lbs		lbs		tons		tons		lbs		lbs		lbs		lbs
Totals			3,100.		0		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	22.5	500.	0.17	3.8	0.0054	0.12	0.0034	0.076	0	0	0	0	0.0003	0.0067	0	0	0	0	0	0
Gasoline (on-site use)	gal	0	124	0	0	0	0	0	0	0	0	19.6	0	0.11	0	0.0045	0	0.0005	0	0	0	0	0	0.0003	0	0	0	0	0	0	0
Natural gas (on-site use)	ccf	0	103	0	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0.29	0	0	0	0	0	0	0
Diesel (off-site use)	gal	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
Gasoline (off-site use)	gal	288	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site electricity use	MWh	0	3413	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity transmission*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity production*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Energy Subtotal			3,100.		0		0		0		0		500.		3.8		0.12		0.076		0		0		0.0067		0		0		0
Materials																															
PVC	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gravel/sand	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cement Grout	dry-ton	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
Concrete	tons	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bentonite	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Produced	gal	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
Gasoline Produced	gal	288	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Groundwater Extracted On-site	gal x 1000	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Produced	gal x 1000	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
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
Potable Water Used	gal x 1000	0.523	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
Other On-Site Water Used	gal x 1000	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials Subtotal			0		0		0.52		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
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Laboratory Analysis	\$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste and Other Services Subtotal			0		0		0		0		0		0		0		0		0		0		0		0		0		0		0
Other																															
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Subtotal			0		0		0		0		0		0		0		0		0		0		0		0		0		0		0

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

		Level 6 (Decomm.) Total On-Site and Off-Site Parameters - Alternative 4 v5															
		Quantity Used	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
			Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
			Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Totals			62,000.	0.71	2.5	0.52	0	15,000.	53.	15.	0.43	0.00013	0	0.38	0.00026	0.0012	0.0000000036
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	0.0000000000073
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	0.0000044	0	0.0000078	0.000000043	0.000000035	0.0000000000052
Potable Water Transported	gal x 1000	0.523	3.9	0.00034	0	0	0	0	0	0	0	0.0000003	0	0	0	0	0
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	0.0000000036
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 Name:
Path Name:
Main File Name:
Reference File Name:
Module File Name:

Alternative 3 v1
Bioremediation

Green Remediation Tool Main.xlsx
Green Remediation Tool Reference.xlsx
alternative 3 v1 inventory modules.xlsx

Variables In Alternative:

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

Usage Input - Alternative 3 v1

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

Notes:

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

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

	Totals For Parameters Used, Extracted, Emitted, or Generated Off-Site - Alternative 3 v1														
	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
	Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Level 1 - Site Invest.															
Energy	29,000.	0	0	0	0	4,500.	29.	1.1	0.34	0	0	0.066	0	0	0
Materials	13,000.	0.38	0.72	0	0	3,000.	6.3	8.7	0.2	0.00018	0	0.11	0.000077	0.00092	0.00000000086
Waste/Services	530,000.	30.	34.	0	0	78,000.	270.	180.	7.5	0.000012	0	13.	0.0000014	0.000011	0.00000000018
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Site Invest. Total	570,000.	30.	35.	0	0	86,000.	310.	190.	8.	0.00019	0	13.	0.000078	0.00093	0.0000000001
Level 2 - Excavation															
Energy	3,700,000.	0	0	0	0	600,000.	4,500.	140.	90.	0	0	8.	0	0	0
Materials	1,100,000.	40.	820.	0	0	230,000.	600.	670.	34.	0.0098	0	7.1	0.0048	0.05	0.00000000064
Waste/Services	1,200,000.	56.	1,000.	0	0	180,000.	980.	530.	2,700.	0.054	0	11.	0.0066	0.051	0.00000000081
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Excavation Total	6,000,000.	96.	1,800.	0	0	1,000,000.	6,100.	1,300.	2,800.	0.064	0	26.	0.011	0.1	0.00000000087
Level 3 - Construction															
Energy	450,000.	0	0	0	0	71,000.	450.	16.	4.7	0	0	1.	0	0	0
Materials	780,000.	24.	120.	0	0	220,000.	400.	430.	21.	2.2	0.015	11.	0.0089	0.054	0.0000064
Waste/Services	38,000.	2.	26.	0	0	5,900.	29.	16.	66.	0.0013	0	0.52	0.00016	0.0013	0.0000000002
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Construction Total	1,300,000.	26.	150.	0	0	300,000.	880.	460.	92.	2.2	0.015	13.	0.0091	0.055	0.0000064
Level 4 - O&M															
Energy	6,000,000.	2.4	98.	0	0	960,000.	6,900.	310.	130.	0.012	0	13.	0.000035	0.00042	0.00000000012
Materials	6,500,000.	46.	450.	0	0	2,500,000.	18,000.	19,000.	490.	0.026	0	5.6	0.02	0.071	0.00000000022
Waste/Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O&M Total	13,000,000.	48.	550.	0	0	3,500,000.	25,000.	19,000.	620.	0.038	0	19.	0.02	0.071	0.00000000023
Level 5 - LTM															
Energy	100,000.	0	0	0	0	17,000.	96.	3.9	0.52	0	0	0.26	0	0	0
Materials	49,000.	2.	5.	0	0	12,000.	17.	29.	4.2	1.7	0	0.6	0.00074	0.019	0.00000000043
Waste/Services	6,800,000.	390.	430.	0	0	1,000,000.	3,500.	2,300.	88.	0	0	160.	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LTM Total	6,900,000.	390.	440.	0	0	1,000,000.	3,600.	2,300.	93.	1.7	0	160.	0.00074	0.019	0.00000000043
Level 6 - Decomm.															
Energy	37,000.	0	0	0	0	5,800.	33.	1.3	0.19	0	0	0.088	0	0	0
Materials	67,000.	2.1	6.3	0	0	27,000.	56.	37.	0.28	0.00013	0	0.9	0.00087	0.0026	0.00000000012
Waste/Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Decomm. Total	100,000.	2.1	6.3	0	0	33,000.	89.	38.	0.47	0.00013	0	0.99	0.00087	0.0026	0.00000000012
Total	28,000,000.	590.	3,000.	0	0	5,900,000.	36,000.	23,000.	3,600.	4.	0.015	230.	0.042	0.25	0.000064

	Totals for On-Site and Off-Site Parameters - Alternative 3 v1														
	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
	Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Level 1 - Site Invest.															
Energy	63,000.	0	0	0	0	10,000.	71.	2.4	1.2	0	0	0.14	0	0	0
Materials	13,000.	0.38	1.2	0.5	0	3,000.	6.3	8.7	0.2	0.00018	0	0.11	0.000077	0.00092	0.00000000086
Waste/Services	530,000.	30.	34.	0	0	78,000.	270.	180.	7.5	0.000012	1.3	13.	0.0000014	0.000011	0.00000000018
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Site Invest. Total	610,000.	30.	35.	0.5	0	91,000.	350.	190.	8.9	0.00019	1.3	13.	0.000078	0.00093	0.0000000001
Level 2 - Excavation															
Energy	3,800,000.	0	0	0	0	610,000.	4,600.	140.	92.	0	0	8.2	0	0	0
Materials	1,100,000.	40.	820.	0	0	230,000.	600.	670.	34.	0.0098	0	7.1	0.0048	0.05	0.00000000064
Waste/Services	1,200,000.	56.	1,000.	0	0	180,000.	980.	530.	2,700.	0.054	6,100.	11.	0.0066	0.051	0.00000000081
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Excavation Total	6,100,000.	96.	1,800.	0	0	1,000,000.	6,200.	1,300.	2,800.	0.064	6,100.	26.	0.011	0.1	0.00000000087
Level 3 - Construction															
Energy	1,800,000.	0	0	0	0	280,000.	2,100.	67.	37.	0	0	3.8	0	0	0
Materials	780,000.	24.	150.	8.5	27.	220,000.	400.	430.	21.	2.2	0.015	11.	0.0089	0.054	0.00000000064
Waste/Services	38,000.	2.	26.	0	0	5,900.	29.	16.	66.	0.0013	150.	0.52	0.00016	0.0013	0.0000000002
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Construction Total	2,600,000.	26.	180.	8.5	27.	510,000.	2,500.	510.	120.	2.2	150.	15.	0.0091	0.055	0.00000000064
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	0.00000000022
Waste/Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O&M Total	13,000,000.	61.	7,300.	6,800.	0	3,500,000.	25,000.	19,000.	620.	0.038	0	19.	0.02	0.071	0.00000000023
Level 5 - LTM															
Energy	120,000.	0	0	0	0	20,000.	110.	4.5	0.59	0	0	0.29	0	0	0
Materials	49,000.	2.	5.	0	0	12,000.	17.	29.	4.2	1.7	0	0.6	0.00074	0.019	0.00000000043
Waste/Services	6,800,000.	390.	430.	0	0	1,000,000.	3,500.	2,300.	88.	0	0	160.	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LTM Total	7,000,000.	390.	440.	0	0	1,000,000.	3,600.	2,300.	93.	1.7	0	160.	0.00074	0.019	0.00000000043
Level 6 - Decomm.															
Energy	40,000.	0	0	0	0	6,300.	37.	1.5	0.26	0	0	0.095	0	0	0
Materials	67,000.	2.1	8.2	1.9	0	27,000.	56.	37.	0.28	0.00013	0	0.9	0.00087	0.0026	0.00000000012
Waste/Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Decomm. Total	110,000.	2.1	8.2	1.9	0	33,000.	93.	39.	0.54	0.00013	0	1.	0.00087	0.0026	0.00000000012
Total	29,000,000.	610.	9,800.	6,800.	27.	6,100,000.	38,000.	23,000.	3,600.	4.	6,300.	230.	0.042	0.25	0.000064

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

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

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

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

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	All Levels - Parameters Used, Extracted, Emitted, or Generated Off-Site - Alternative 3 v1																														
	Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins		
	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Extracted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Generated	Conv. Factor	Generated	Conv. Factor	Emitted	Conv. Factor	Released	Conv. Factor	Released	Conv. Factor	Released	
	Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs		
Totals		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	
Gasoline (on-site use)	gal	127.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Natural gas (on-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Diesel (off-site use)	gal	63356.71	139	8,854,300.	0	0	0	0	0	0	22.5	1,424,240.	0.17	10,787.	0.0054	335.839	0.0034	213.641	0	0	0	0	0.0003	19.2202	0	0	0	0	0	0	
Gasoline (off-site use)	gal	11482.8	124	1,422,000.	0	0	0	0	0	0	19.6	220,400.	0.11	1,265.	0.0045	51.14	0.0005	6.267	0	0	0	0	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	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0.29	0	0	0	0	0	0	0	
On-site electricity use	MWh	13.44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
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	
Electricity production*	MWh	13.44	7800	100,000.	0.06	0.81	7.3	98.	0	0	0	800	11,000.	0.84	11.	6.7	90.	0.087	1.2	0.0009	0.012	0	0	0.017	0.23	3E-06	0.000035	3E-05	0.00042	9E-12	0.00000000012
Energy Subtotal				10,000,000.		2.4		98.		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	4.1	38,000.	0.0048	45.	0.0076	71.	0.0012	11.	2E-06	0.021	2E-06	0.015	0.0005	4.4	3E-07	0.0032	1E-07	0.0012	7E-09	0.000064	
HDPE	lb	0	31	0	0.0003	0	0.0023	0	0	0	1.9	0	0.0032	0	0.0041	0	0.0006	0	4E-07	0	1E-06	0	3E-06	0	3E-09	0	2E-09	0	1E-09	0	
Steel	lb	15319	4.4	67,000.	0.0002	3.2	0.0006	9.8	0	0	1.1	16,900.	0.0014	21.3	0.0017	26.	0.0006	8.6	0.0003	3.9	0	0	7E-05	1.02	1E-07	0.00153	3E-06	0.039	7E-12	0.0000001	
Stainless Steel	lb	0	11.6	0	0.0006	0	0.0023	0	0	0	3.4	0	0.0075	0	0.012	0	0.0044	0	0.0006	0	0	0	0.0001	0	0	0	5E-07	0	2E-12	0	
Gravel/sand	ton	5651.4	55	311,500.	0.0027	15.071	0.13	733.4	0	0	6.7	38,180.	0.033	190.87	0.03	170.79	0.004	23.11	0	0	0	0	4E-07	0.002311	6E-11	0.0000003617	1E-09	0.00006832	2E-16	0.0000000000000844	
Cement Grout	dry-ton	82.45	4100	333,500.	0.13	10.71	0.41	33.35	0	0	1800	147,500.	3.6	296.1	2.1	172.8	0.0063	0.5184	0	0	0	0	0.058	4.799	6E-05	0.004688	0.0001	0.01071	9E-11	0.000000006972	
Concrete	tons	375.2304	793	301,000.	0.026	9.78	0.19	70.9	0	0	335	128,700.	0.68	258.	0.41	151.	0.0044	1.61	3E-08	0.00001053	0	0	0.011	4.09	1E-05	0.00376	2E-05	0.00902	2E-11	0.00000000602	
Bentonite	ton	0.7	55	39.	0.0027	0.0019	0.13	0.091	0	0	6.7	4.7	0.033	0.023	0.03	0.021	0.004	0.0028	0	0	0	0	4E-07	0.00000029	6E-11	0.000000000045	1E-09	0.000000000084	2E-16	0.000000000000011	
Regenerated GAC	lbs	0	9.6	0	0.0004	0	0.0064	0	0	0	2	0	0.025	0	0.015	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bioinjection (Molasses)	lbs	2612088	1.31	3,400,000.	5E-06	13.	9E-05	240.	0	0	0.4	1,000,000.	0.003	7,800.	0.0026	6,800.	6E-05	160.	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	1200960	1.87	2,200,000.	0	0	0	0	0	0	1.1	1,300,000.	0.0083	10,000.	0.0099	12,000.	0.0002	200.	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	0	3.6	0	6E-05	0	2E-05	0	0	0	3.51	0	0.0265	0	0.031	0	0.0017	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Produced	gal	73655.486	18.5	1,356,860.	0.0006	43.3178	0.0008	57.286	0	0	2.7	199,005.	0.0064	468.4	0.013	964.8	0.0003	24.8256	4E-07	0.026537	0	0	0.0001	8.7446	5E-08	0.00351819	2E-06	0.11156	3E-14	0.0000000223109	
Gasoline Produced	gal	11610	21	248,500.	0.0006	6.904	0.0008	9.15	0	0	4.4	51,630.	0.008	92.7	0.019	220.	0.0005	5.994	4E-07	0.00492	0	0	0.0002	1.878	9E-08	0.000985	2E-06	0.02523	3E-14	0.000000003608	
Natural Gas Produced	ccf	0	5.2	0	0.0003	0	8E-05	0	0	0	2.2	0	0.0037	0	0.0046	0	7E-05	0	0	0	0	0	6E-06	0	2E-08	0	9E-07	0	5E-14	0	
Groundwater Extracted On-site	gal x 1000	27.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Produced	gal x 1000	6850.917	9.2	63,100.6	0.0004	3.00485	0.021	140.23	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	0.00000000068109	
Potable Water Transported	gal x 1000	6850.917	7.4	51,080.7	0.0006	4.40702	0.0047	32.0513	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	0.0000000020032	
Potable Water Used	gal x 1000	6850.917	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other On-Site Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials Subtotal				8,500,000.		110.		1,400.		0		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	3	0	0.0061	0	0.0029	0	8E-05	0	5E-07	0	0	0	0.0001	0	8E-08	0	6E-07	0	1E-12	0	
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	160	0	0.0077	0	0.15	0	0	0	25	0	0.14	0	0.075	0	0.4	0	8E-06	0	0	0	0.0014	0	1E-06	0	8E-06	0	1E-11	0	0
Hazardous Waste Generation	ton	6299.74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Disposal	ton	6299.74	176	1,126,240.	0.0085	53.311	0.165	1,025.22	0	0	27.5	174,137.	0.154	973.21	0.0825	522.11	0.44	2,766.59	9E-06	0.055312	0	0	0.0015	9.7321	1E-06	0.0067614	8E-06	0.052311	1E-11	0.000000083018	
Laboratory Analysis	\$	839120	8.8	7,404,000.	0.0005	424.3	0.0006	468.78	0	0	1.3	1,089,000.	0.0045	3,808.3	0.003	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		1,																			

		All Levels - Total On-Site and Off-Site Parameters - Alternative 3 v1															
	Quantity Used	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins	
		Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released	
		Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs	
Totals			29,000,000.	610.	9,800.	6,800.	27.	6,200,000.	38,000.	25,000.	3,700.	4.1	6,300.	230.	0.043	0.25	0.000064
Energy																	
Diesel (on-site)	gal	10298.776	1,422,100.	0	0	0	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	0.0000000012
Energy Subtotal			12,000,000.	15.	98.	0	0	1,900,000.	14,000.	530.	260.	0.012	0	26.	0.000035	0.00042	0.0000000012
Materials																	
PVC	lb	9329.6	210,000.	5.2	64.	0	0	38,000.	45.	71.	11.	0.021	0.015	4.4	0.0032	0.0012	0.000064
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Steel	lb	15319	67,000.	3.2	9.8	0	0	16,900.	21.3	26.	8.6	3.9	0	1.02	0.00153	0.039	0.0000001
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gravel/sand	ton	5651.4	311,500.	15.071	733.4	0	0	38,180.	190.87	170.79	23.11	0	0	0.002311	0.000003617	0.000006832	0.000000000844
Cement Grout	dry-ton	82.45	333,500.	10.71	33.35	0	0	147,500.	296.1	172.8	0.5184	0	0	4.799	0.004688	0.01071	0.00000006972
Concrete	tons	375.2304	301,000.	9.78	70.9	0	0	128,700.	258.	151.	1.61	0.00001053	0	4.09	0.00376	0.00902	0.0000000602
Bentonite	ton	0.7	39.	0.0019	0.091	0	0	4.7	0.023	0.021	0.0028	0	0	0.00000029	0.00000000045	0.00000000084	0.0000000000011
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Molasses)	lbs	2612088	3,400,000.	13.	240.	0	0	1,000,000.	7,800.	6,800.	160.	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	1200960	2,200,000.	0	0	0	0	1,300,000.	10,000.	12,000.	200.	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Produced	gal	73655.486	1,356,860.	43.3178	57.286	0	0	199,005.	468.4	964.8	24.8256	0.026537	0	8.7446	0.00351819	0.11156	0.0000000223109
Gasoline Produced	gal	11610	248,500.	6.904	9.15	0	0	51,630.	92.7	220.	5.994	0.00492	0	1.878	0.000985	0.02523	0.000000003608
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Groundwater Extracted On-site	gal x 1000	27.2	0	0	27.	27.	0	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	0.0000000068109
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	0.0000000020032
Potable Water Used	gal x 1000	6850.917	0	0	6,810.9	6,810.9	0	0	0	0	0	0	0	0	0	0	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	6,251.3	0	0	0	0	0
Hazardous Waste Disposal	ton	6299.74	1,126,240.	53.311	1,025.22	0	0	174,137.	973.21	522.11	2,766.59	0.055312	0	9.7321	0.0067614	0.052311	0.00000083018
Laboratory Analysis	\$	839120	7,404,000.	424.3	468.78	0	0	1,089,000.	3,808.3	2,505.2	95.87	0	0	174.79	0	0	0
Waste and Other Services Subtotal			8,500,000.	480.	1,500.	0	0	1,300,000.	4,800.	3,000.	2,900.	0.055	6,300.	180.	0.0068	0.052	0.00000083
Other																	
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Subtotal			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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

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

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

		Level 1 (Site Invest.) Total On-Site and Off-Site Parameters - Alternative 3 v1															
		Quantity Used	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
			Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
			Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Totals			610,000.	30.	35.	0.5	0	91,000.	350.	190.	8.9	0.00019	1.3	13.	0.000078	0.00093	0.0000000001
Energy																	
Diesel (on-site)	gal	248.192	34,000.	0	0	0	0	5,600.	42.	1.3	0.84	0	0	0.074	0	0	0
Gasoline (on-site use)	gal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural gas (on-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel (off-site use)	gal	76.0376	11,000.	0	0	0	0	1,700.	13.	0.41	0.26	0	0	0.023	0	0	0
Gasoline (off-site use)	gal	143.2	18,000.	0	0	0	0	2,800.	16.	0.64	0.077	0	0	0.043	0	0	0
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site electricity use	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity transmission*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity production*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Energy Subtotal			63,000.	0	0	0	0	10,000.	71.	2.4	1.2	0	0	0.14	0	0	0
Materials																	
PVC	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gravel/sand	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cement Grout	dry-ton	0.85	3,500.	0.11	0.35	0	0	1,500.	3.1	1.8	0.0054	0	0	0.049	0.000048	0.00011	0.000000000072
Concrete	tons	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bentonite	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Produced	gal	324.2296	6,000.	0.19	0.25	0	0	880.	2.1	4.2	0.11	0.00012	0	0.039	0.000016	0.00049	0.000000000097
Gasoline Produced	gal	143.2	3,000.	0.084	0.11	0	0	630.	1.1	2.7	0.074	0.00006	0	0.023	0.000012	0.00032	0.000000000044
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Groundwater Extracted On-site	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Produced	gal x 1000	0.5	4.6	0.00022	0.011	0	0	2.5	0.0049	0.003	0.008	0.0000042	0	0.0000075	0.000000041	0.00000034	0.000000000005
Potable Water Transported	gal x 1000	0.5	3.7	0.00032	0.0024	0	0	0.26	0.00027	0.0022	0.000028	0.0000029	0	0	0.0000013	0.00000019	0.0000000000015
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	1.3	0	0	0	0	0
Hazardous Waste Disposal	ton	1.34	240.	0.011	0.22	0	0	37.	0.21	0.11	0.59	0.000012	0	0.0021	0.0000014	0.000011	0.000000000018
Laboratory Analysis	\$	60220	530,000.	30.	34.	0	0	78,000.	270.	180.	6.9	0	0	13.	0	0	0
Waste and Other Services Subtotal			530,000.	30.	34.	0	0	78,000.	270.	180.	7.5	0.000012	1.3	13.	0.000014	0.000011	0.000000000018
Other																	
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Subtotal			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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

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

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

	Quantity Used	Level 2 (Excavation) Parameters Used, Extracted, Emitted, or Generated Off-Site - Alternative 3 v1																													
		Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
		Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Extracted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Generated	Conv. Factor	Generated	Conv. Factor	Emitted	Conv. Factor	Released	Conv. Factor	Released	Conv. Factor	Released
		Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs		
Totals			6,000,000.		96.		1,800.		0		0		1,000,000.		6,100.		1,300.		2,800.		0.064		0		26.		0.011		0.1		0.00000087
Energy																															
Diesel (on-site)	gal	614.58432	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
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	
Natural gas (on-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Diesel (off-site use)	gal	26422.54	139	3,700,000.	0	0	0	0	0	0	22.5	590,000.	0.17	4,500.	0.0054	140.	0.0034	90.	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	19.6	6,000.	0.11	34.	0.0045	1.4	0.0005	0.17	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	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0.29	0	0	0	0	0	0	0	0	
On-site electricity use	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Electricity transmission*	MWh	0	410	0	0.12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Electricity production*	MWh	0	7800	0	0.06	0	7.3	0	0	0	0	0	0	0	800	0	0.84	0	6.7	0	0.087	0	0.0009	0	0	0.017	0	3E-06	0	9E-12	0
Energy Subtotal			3,700,000.		0		0		0		0		600,000.		4,500.		140.		90.		0		0		8.		0		0		
Materials																															
PVC	lb	0	22	0.0006	0.0069	0	0	0	0	0	4.1	0.0048	0.0076	0.0012	0	2E-06	0	2E-06	0.0005	0	3E-07	0	1E-07	0	7E-09	0	0	0	0	0	
HDPE	lb	0	31	0.0003	0.0023	0	0	0	0	0	1.9	0.0032	0.0041	0.0006	0	4E-07	0	1E-06	0	3E-06	0	3E-09	0	2E-09	0	1E-09	0	0	0	0	
Steel	lb	0	4.4	0.0002	0.0006	0	0	0	0	0	1.1	0.0014	0.0017	0.0006	0	0.0003	0	0	0	7E-05	0	1E-07	0	3E-06	0	7E-12	0	0	0	0	
Stainless Steel	lb	0	11.6	0.0006	0.0023	0	0	0	0	0	3.4	0.0075	0.012	0.0044	0	0.0006	0	0	0.0001	0	0	0	5E-07	0	2E-12	0	0	0	0	0	
Gravel/sand	ton	5625	55	310,000.	0.0027	15.	0.13	730.	0	0	6.7	38,000.	0.033	190.	0.03	170.	0.004	23.	0	0	0	4E-07	0.0023	6E-11	0.00000036	1E-09	0.0000068	2E-16	0.000000000084	0	
Cement Grout	dry-ton	0	4100	0	0.13	0	0.41	0	0	0	1800	0	3.6	0	2.1	0	0.0063	0	0	0.058	0	6E-05	0	0.0001	0	9E-11	0	0	0	0	
Concrete	tons	349.2	793	280,000.	0.026	9.1	0.19	66.	0	0	335	120,000.	0.68	240.	0.41	140.	0.0044	1.5	3E-08	0.0000098	0	0.011	3.8	1E-05	0.0035	2E-05	0.0084	2E-11	0.0000000056	0	
Bentonite	ton	0	55	0.0027	0.13	0	0	0	0	0	6.7	0.033	0.03	0	0.004	0	0.004	0	0	0	4E-07	0	6E-11	0	1E-09	0	2E-16	0	0	0	
Regenerated GAC	lbs	0	9.6	0.0004	0.0064	0	0	0	0	0	2	0.025	0.015	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bioinjection (Molasses)	lbs	0	1.31	0	5E-06	0	9E-05	0	0	0	0.4	0.003	0.0026	0	6E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bioinjection (Cheese Whey)	lbs	0	1.87	0	0	0	0	0	0	0	1.1	0.0083	0.0099	0	0.0002	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bioinjection (Vegetable Oil)	lbs	0	3.6	0	6E-05	0	2E-05	0	0	0	3.51	0.0265	0.031	0.0017	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Diesel Produced	gal	27037.124	18.5	500,000.	0.0006	16.	0.0008	21.	0	0	2.7	73,000.	0.0064	170.	0.013	350.	0.0003	9.2	4E-07	0.0097	0	0.0001	3.2	5E-08	0.0013	2E-06	0.041	3E-14	0.0000000081	0	
Gasoline Produced	gal	307.2	21	6,500.	0.0006	0.18	0.0008	0.24	0	0	4.4	1,400.	0.008	2.5	0.019	5.8	0.0005	0.16	4E-07	0.00013	0	0.0002	0.049	9E-08	0.000026	2E-06	0.00068	3E-14	0.00000000095	0	
Natural Gas Produced	ccf	0	5.2	0.0003	0.0085	0	0	0	0	0	2.2	0.0037	0.0046	0	7E-05	0	0	0	0	0	0	6E-06	0	2E-08	0	9E-07	0	5E-14	0	0	
Groundwater Extracted On-site	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Produced	gal x 1000	0	9.2	0.0004	0.021	0	0	0	0	0	5	0.0097	0.0059	0.016	0	8E-07	0	0	0	0	2E-05	0	8E-09	0	7E-08	0	1E-13	0	0	0	
Potable Water Transported	gal x 1000	0	7.4	0.0006	0.0047	0	0	0	0	0	0.5168	0.0005	0.0043	0	6E-05	0	6E-07	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other On-Site Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials Subtotal			1,100,000.		40.		820.		0		0		230,000.		600.		670.		34.		0.0098		0		7.1		0.0048		0.05		0.000000064
Waste and Other Services																															
Off-site waste water treatment	gal x 1000	0	3.7	0.0002	0.0008	0	0	0	0	0	3	0.0061	0.0029	0	8E-05	0	5E-07	0	0	0.0001	0	8E-08	0	6E-07	0	1E-12	0	0	0	0	
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	160	0.0077	0.15	0	0	0	0	0	25	0.14	0.075	0	0.4	0	8E-06	0	0	0.0014	0	1E-06	0	8E-06	0	1E-11	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	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	27.5	170,000.	0.154	950.	0.0825	510.	0.44	2,700.	9E-06	0.054	0	0.0015	9.5	1E-06	0.0066	8E-06	0.051	1E-11	0.000000081	0	
Laboratory Analysis	\$	7100	8.8	62,000.	0.0005	3.6	0.0006	4.	0	0	1.3	9,200.	0.0045	32.	0.003	21.	0.0001	0.81	0	0	0.0002	1.5	0	0	0	0	0	0	0	0	
Waste and Other Services Subtotal			1,200,000.		56.		1,000.		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	
On-site process emissions (GHGs)	lbs CO2e	0	0	0																											

		Level 2 (Excavation) Total On-Site and Off-Site Parameters - Alternative 3 v1															
		Quantity Used	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
			Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
			Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Totals			6,100,000.	96.	1,800.	0	0	1,000,000.	6,200.	1,300.	2,800.	0.064	6,100.	26.	0.011	0.1	0.000000087
Energy																	
Diesel (on-site)	gal	614.58432	85,000.	0	0	0	0	14,000.	100.	3.3	2.1	0	0	0.18	0	0	0
Gasoline (on-site use)	gal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural gas (on-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel (off-site use)	gal	26422.54	3,700,000.	0	0	0	0	590,000.	4,500.	140.	90.	0	0	7.9	0	0	0
Gasoline (off-site use)	gal	307.2	38,000.	0	0	0	0	6,000.	34.	1.4	0.17	0	0	0.092	0	0	0
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site electricity use	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity transmission*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity production*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Energy Subtotal			3,800,000.	0	0	0	0	610,000.	4,600.	140.	92.	0	0	8.2	0	0	0
Materials																	
PVC	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gravel/sand	ton	5625	310,000.	15.	730.	0	0	38,000.	190.	170.	23.	0	0	0.0023	0.00000036	0.0000068	0.000000000084
Cement Grout	dry-ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Concrete	tons	349.2	280,000.	9.1	66.	0	0	120,000.	240.	140.	1.5	0.0000098	0	3.8	0.0035	0.0084	0.0000000056
Bentonite	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Produced	gal	27037.124	500,000.	16.	21.	0	0	73,000.	170.	350.	9.2	0.0097	0	3.2	0.0013	0.041	0.0000000081
Gasoline Produced	gal	307.2	6,500.	0.18	0.24	0	0	1,400.	2.5	5.8	0.16	0.00013	0	0.049	0.000026	0.00068	0.000000000095
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Groundwater Extracted On-site	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Produced	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Transported	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other On-Site Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials Subtotal			1,100,000.	40.	820.	0	0	230,000.	600.	670.	34.	0.0098	0	7.1	0.0048	0.05	0.000000064
Waste and Other Services																	
Off-site waste water treatment	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Generation	ton	6148.8	0	0	0	0	0	0	0	0	0	6,100.	0	0	0	0	0
Hazardous Waste Disposal	ton	6148.8	1,100,000.	52.	1,000.	0	0	170,000.	950.	510.	2,700.	0.054	0	9.5	0.0066	0.051	0.000000081
Laboratory Analysis	\$	7100	62,000.	3.6	4.	0	0	9,200.	32.	21.	0.81	0	0	1.5	0	0	0
Waste and Other Services Subtotal			1,200,000.	56.	1,000.	0	0	180,000.	980.	530.	2,700.	0.054	6,100.	11.	0.0066	0.051	0.000000081
Other																	
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Subtotal			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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

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

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

		Level 3 (Construction) Parameters Used, Extracted, Emitted, or Generated Off-Site - Alternative 3 v1																															
		Quantity Used	Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins		
			Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Extracted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Generated	Conv. Factor	Generated	Conv. Factor	Emitted	Conv. Factor	Released	Conv. Factor	Released	Conv. Factor	Released	
	Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs	lbs	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		0.00064		
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		
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	973.5792	139	140,000.	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	0		
Gasoline (off-site use)	gal	2507.6	124	310,000.	0	0	0	0	0	0	19.6	49,000.	0.11	280.	0.0045	11.	0.0005	1.4	0	0	0	0.0003	0.75	0	0	0	0	0	0	0	0		
Natural gas (off-site use)	ccf	0	103	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0.29	0	0	0	0	0	0	0	0	0		
On-site electricity use	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Electricity transmission*	MWh	0	410	0	0.12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Electricity production*	MWh	0	7800	0	0.06	0	7.3	0	0	0	0	0	0	800	0	0.84	0	6.7	0	0.087	0	0.0009	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	4.1	38,000.	0.0048	45.	0.0076	71.	0.0012	11.	2E-06	0.021	2E-06	0.015	0.0005	4.4	3E-07	0.0032	1E-07	0.0012	7E-09	0.000064		
HDPE	lb	0	31	0	0.0003	0	0.0023	0	0	0	0	1.9	0	0.0032	0	0.0041	0	0.0006	0	4E-07	0	1E-06	0	3E-06	0	3E-09	0	2E-09	0	1E-09	0		
Steel	lb	8704	4.4	38,000.	0.0002	1.8	0.0006	5.6	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	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	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	0.00000000000004		
Cement Grout	dry-ton	66.9	4100	270,000.	0.13	8.7	0.41	27.	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	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	0.0000000042		
Bentonite	ton	0.7	55	39.	0.0027	0.0019	0.13	0.091	0	0	0	6.7	4.7	0.033	0.023	0.03	0.021	0.004	0.0028	0	0	0	0	4E-07	0.000000029	6E-11	0.00000000045	1E-09	0.00000000084	2E-16	0.00000000000011		
Regenerated GAC	lbs	0	9.6	0	0.0004	0	0.0064	0	0	0	0	2	0	0.025	0	0.015	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bioinjection (Molasses)	lbs	0	1.31	0	5E-06	0	9E-05	0	0	0	0	0.4	0	0.003	0	0.0026	0	6E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	0	1.87	0	0	0	0	0	0	0	0	1.1	0	0.0083	0	0.0099	0	0.0002	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	0	3.6	0	6E-05	0	2E-05	0	0	0	0	3.51	0	0.0265	0	0.031	0	0.0017	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Produced	gal	10387.179	18.5	190,000.	0.0006	6.1	0.0008	8.	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	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	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	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	0
Potable Water Produced	gal x 1000	8.54	9.2	79.	0.0004	0.0038	0.021	0.18	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	0.0000000000085		
Potable Water Transported	gal x 1000	8.54	7.4	63.	0.0006	0.0055	0.0047	0.04	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	0.0000000000025		
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	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			780,000.		24.		120.		0		0		220,000.		400.		430.		21.		2.2		0.015		11.		0.0089		0.054		0.00064		
Waste and Other Services																																	
Off-site waste water treatment	gal x 1000	0	3.7	0	0.0002	0	0.0008	0	0	0	0	3	0	0.0061	0	0.0029	0	8E-05	0	5E-07	0	0	0	0.0001	0	8E-08	0	6E-07	0	1E-12	0	0	
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	160	0	0.0077	0	0.15	0	0	0	0	25	0	0.14	0	0.075	0	0.4	0	8E-06	0	0	0	0.0014	0	1E-06	0	8E-06	0	1E-11	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	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	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	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	0	
Waste and Other Services Subtotal			38,000.		2.		26.		0		0		5,900.		29.		16.		66.		0.0013		0		0.52								

		Level 3 (Construction) Total On-Site and Off-Site Parameters - Alternative 3 v1															
		Quantity Used	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
			Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
			Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Totals			2,600,000.	26.	180.	8.5	27.	510,000.	2,500.	510.	120.	2.2	150.	15.	0.0091	0.055	0.000064
Energy																	
Diesel (on-site)	gal	9413.6	1,300,000.	0	0	0	0	210,000.	1,600.	51.	32.	0	0	2.8	0	0	0
Gasoline (on-site use)	gal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural gas (on-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel (off-site use)	gal	973.5792	140,000.	0	0	0	0	22,000.	170.	5.3	3.3	0	0	0.29	0	0	0
Gasoline (off-site use)	gal	2507.6	310,000.	0	0	0	0	49,000.	280.	11.	1.4	0	0	0.75	0	0	0
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site electricity use	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity transmission*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity production*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Energy Subtotal			1,800,000.	0	0	0	0	280,000.	2,100.	67.	37.	0	0	3.8	0	0	0
Materials																	
PVC	lb	9329.6	210,000.	5.2	64.	0	0	38,000.	45.	71.	11.	0.021	0.015	4.4	0.0032	0.0012	0.000064
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Steel	lb	8704	38,000.	1.8	5.6	0	0	9,600.	12.	15.	4.9	2.2	0	0.58	0.00087	0.022	0.000000057
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gravel/sand	ton	26.4	1,500.	0.071	3.4	0	0	180.	0.87	0.79	0.11	0	0	0.000011	0.0000000017	0.000000032	0.00000000000004
Cement Grout	dry-ton	66.9	270,000.	8.7	27.	0	0	120,000.	240.	140.	0.42	0	0	3.9	0.0038	0.0087	0.000000057
Concrete	tons	26.0304	21,000.	0.68	4.9	0	0	8,700.	18.	11.	0.11	0.00000073	0	0.29	0.00026	0.00062	0.0000000042
Bentonite	ton	0.7	39.	0.0019	0.091	0	0	4.7	0.023	0.021	0.0028	0	0	0.00000029	0.00000000045	0.00000000084	0.000000000000011
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Produced	gal	10387.179	190,000.	6.1	8.	0	0	28,000.	66.	140.	3.5	0.0037	0	1.2	0.0005	0.016	0.0000000031
Gasoline Produced	gal	2507.6	53,000.	1.5	2.	0	0	11,000.	20.	48.	1.3	0.0011	0	0.4	0.00021	0.0055	0.00000000078
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Groundwater Extracted On-site	gal x 1000	27.2	0	0	27.	0	27.	0	0	0	0	0	0	0	0	0	0
Potable Water Produced	gal x 1000	8.54	79.	0.0038	0.18	0	0	43.	0.083	0.05	0.14	0.0000071	0	0.00013	0.00000007	0.00000057	0.000000000000085
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	0.000023	0.00000033	0.00000000000025	
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 v1																														
		Quantity Used	Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
			Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Generated	Conv. Factor	Generated	Conv. Factor	Emitted	Conv. Factor	Released	Conv. Factor	Released	Conv. Factor	Released
	Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs		
Totals			46,000.	13.	6,800.	6,800.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Energy																																
Diesel (on-site)	gal	0	139	0	0	0	0	0	0	0	0	22.5	0	0.17	0	0.0054	0	0.0034	0	0	0	0	0	0.0003	0	0	0	0	0	0		
Gasoline (on-site use)	gal	0	124	0	0	0	0	0	0	0	0	19.6	0	0.11	0	0.0045	0	0.0005	0	0	0	0	0	0.0003	0	0	0	0	0	0		
Natural gas (on-site use)	ccf	0	103	0	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0.29	0	0	0	0	0	0		
Diesel (off-site use)	gal	35860.666	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Gasoline (off-site use)	gal	7392	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
On-site electricity use	MWh	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		
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		
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		
Energy Subtotal			46,000.	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		
Materials																																
PVC	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Gravel/sand	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Cement Grout	dry-ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Concrete	tons	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Bentonite	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Bioinjection (Molasses)	lbs	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		
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		
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Diesel Produced	gal	35860.666	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Gasoline 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		
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Groundwater Extracted On-site	gal x 1000	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Potable Water Produced	gal x 1000	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		
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		
Potable Water Used	gal x 1000	6840	0	0	0	1	6,800.	1	6,800.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Other On-Site Water Used	gal x 1000	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Materials Subtotal			0	0	0	6,800.	6,800.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Waste and Other Services																																
Off-site waste water treatment	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Hazardous Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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		
Laboratory Analysis	\$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Waste and Other Services Subtotal			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Other																																
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0		
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Other Subtotal			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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 v1																														
		Quantity Used	Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
			Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Extracted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Generated	Conv. Factor	Generated	Conv. Factor	Emitted	Conv. Factor	Released	Conv. Factor	Released	Conv. Factor	Released
	Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs			
Totals			13,000,000.		48.		550.		0		0		3,500,000.		25,000.		19,000.		620.		0.038		0		19.		0.02		0.071		0.000000023	
Energy																																
Diesel (on-site)	gal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Gasoline (on-site use)	gal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Natural gas (on-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Diesel (off-site use)	gal	35860.666	139	5,000,000.	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		
Gasoline (off-site use)	gal	7392	124	920,000.	0	0	0	0	0	0	19.6	140,000.	0.11	810.	0.0045	33.	0.0005	4.	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	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0.29	0	0	0	0	0	0	0	0		
On-site electricity use	MWh	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		
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		
Electricity production*	MWh	13.44	7800	100,000.	0.06	0.81	7.3	98.	0	0	0	800	11,000.	0.84	11.	6.7	90.	0.087	1.2	0.0009	0.012	0	0.017	0.23	3E-06	0.000035	3E-05	0.00042	9E-12	0.0000000012		
Energy Subtotal				6,000,000.		2.4		98.		0			960,000.		6,900.		310.		130.		0.012		0		13.		0.000035		0.00042		0.0000000012	
Materials																																
PVC	lb	0	22	0	0.0006	0	0.0069	0	0	0	4.1	0	0.0048	0	0.0076	0	0.0012	0	2E-06	0	2E-06	0	0.0005	0	3E-07	0	1E-07	0	7E-09	0		
HDPE	lb	0	31	0	0.0003	0	0.0023	0	0	0	1.9	0	0.0032	0	0.0041	0	0.0006	0	4E-07	0	1E-06	0	3E-06	0	3E-09	0	2E-09	0	1E-09	0		
Steel	lb	0	4.4	0	0.0002	0	0.0006	0	0	0	1.1	0	0.0014	0	0.0017	0	0.0006	0	0.0003	0	0	0	7E-05	0	1E-07	0	3E-06	0	7E-12	0		
Stainless Steel	lb	0	11.6	0	0.0006	0	0.0023	0	0	0	3.4	0	0.0075	0	0.012	0	0.0044	0	0.0006	0	0	0	0.0001	0	0	0	5E-07	0	2E-12	0		
Gravel/sand	ton	0	55	0	0.0027	0	0.13	0	0	0	6.7	0	0.033	0	0.03	0	0.004	0	0	0	0	0	4E-07	0	6E-11	0	1E-09	0	2E-16	0		
Cement Grout	dry-ton	0	4100	0	0.13	0	0.41	0	0	0	1800	0	3.6	0	2.1	0	0.0063	0	0	0	0	0	0.058	0	6E-05	0	0.0001	0	9E-11	0		
Concrete	tons	0	793	0	0.026	0	0.19	0	0	0	335	0	0.68	0	0.41	0	0.0044	0	3E-08	0	0	0	0.011	0	1E-05	0	2E-05	0	2E-11	0		
Bentonite	ton	0	55	0	0.0027	0	0.13	0	0	0	6.7	0	0.033	0	0.03	0	0.004	0	0	0	0	0	4E-07	0	6E-11	0	1E-09	0	2E-16	0		
Regenerated GAC	lbs	0	9.6	0	0.0004	0	0.0064	0	0	0	2	0	0.025	0	0.015	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Bioinjection (Molasses)	lbs	2612088	1.31	3,400,000.	5E-06	13.	9E-05	240.	0	0	0.4	1,000,000.	0.003	7,800.	0.0026	6,800.	6E-05	160.	0	0	0	0	0	0	0	0	0	0	0	0		
Bioinjection (Cheese Whey)	lbs	1200960	1.87	2,200,000.	0	0	0	0	0	0	1.1	1,300,000.	0.0083	10,000.	0.0099	12,000.	0.0002	200.	0	0	0	0	0	0	0	0	0	0	0	0		
Bioinjection (Vegetable Oil)	lbs	0	3.6	0	6E-05	0	2E-05	0	0	0	3.51	0	0.0265	0	0.031	0	0.0017	0	0	0	0	0	0	0	0	0	0	0	0	0		
Diesel Produced	gal	35860.666	18.5	660,000.	0.0006	21.	0.0008	28.	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	0.0000000011		
Gasoline Produced	gal	7392	21	160,000.	0.0006	4.4	0.0008	5.8	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	0.0000000023		
Natural Gas Produced	ccf	0	5.2	0	0.0003	0	8E-05	0	0	0	2.2	0	0.0037	0	0.0046	0	7E-05	0	0	0	0	0	6E-06	0	2E-08	0	9E-07	0	5E-14	0		
Groundwater Extracted On-site	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Potable Water Produced	gal x 1000	6840	9.2	63,000.	0.0004	3.	0.021	140.	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	0.0000000068		
Potable Water Transported	gal x 1000	6840	7.4	51,000.	0.0006	4.4	0.0047	32.	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		
Other On-Site Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Materials Subtotal				6,500,000.		46.		450.		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	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		
Solid Waste Disposal	ton	0	160	0	0.0077	0	0.15	0	0	0	25	0	0.14	0	0.075	0	0.4	0	8E-06	0	0	0	0.0014	0	1E-06	0	8E-06	0	1E-11	0		
Hazardous Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Hazardous Waste Disposal	ton	0	176	0	0.0085	0	0.165	0	0	0	27.5	0	0.154	0	0.0825	0	0.44	0	9E-06	0	0	0	0.0015	0	1E-06	0	8E-06	0	1E-11	0		
Laboratory Analysis	\$	0	8.8	0	0.0005	0	0.0006	0	0	0	1.3	0	0.0045	0	0.003	0	0.0001	0	0	0	0	0	0.0002	0	0	0	0	0	0	0		
Waste and Other Services Subtotal				0		0		0		0			0		0		0		0		0		0		0		0		0		0	
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		
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		
Other Subtotal				0		0		0	</																							

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

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

		Level 5 (LTM) Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 3 v1																														
		Quantity Used	Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
			Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Extracted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Generated	Conv. Factor	Generated	Conv. Factor	Emitted	Conv. Factor	Released	Conv. Factor	Released	Conv. Factor	Released
	Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs		
Totals			16,000.		0		0		0		0		2,500.		14.		0.57		0.069		0		0		0.038		0		0		0	
Energy																																
Diesel (on-site)	gal	0	139	0	0	0	0	0	0	0	0	22.5	0	0.17	0	0.0054	0	0.0034	0	0	0	0	0	0.0003	0	0	0	0	0	0	0	
Gasoline (on-site use)	gal	127.2	124	16,000.	0	0	0	0	0	0	0	19.6	2,500.	0.11	14.	0.0045	0.57	0.0005	0.069	0	0	0	0	0.0003	0.038	0	0	0	0	0		
Natural gas (on-site use)	ccf	0	103	0	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0.29	0	0	0	0	0	0		
Diesel (off-site use)	gal	16.5375	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Gasoline (off-site use)	gal	844.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
On-site electricity use	MWh	0	3413	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Electricity transmission*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Electricity production*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Energy Subtotal			16,000.		0		0		0		0		2,500.		14.		0.57		0.069		0		0		0.038		0		0		0	
Materials																																
PVC	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Steel	lb	6615	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Gravel/sand	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Cement Grout	dry-ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Concrete	tons	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Bentonite	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Diesel Produced	gal	16.5375	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Gasoline Produced	gal	972	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Groundwater Extracted On-site	gal x 1000	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Potable Water Produced	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Potable Water Transported	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Potable Water Used	gal x 1000	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Other On-Site Water Used	gal x 1000	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Materials Subtotal			0		0		0		0		0		0		0		0		0		0		0		0		0		0		0	
Waste and Other Services																																
Off-site waste water treatment	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0		
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Hazardous Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0		
Hazardous Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Laboratory Analysis	\$	770400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Waste and Other Services Subtotal			0		0		0		0		0		0		0		0		0		0		0		0		0		0		0	
Other																																
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0		
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Other Subtotal			0		0		0		0		0		0		0		0		0		0		0		0		0		0		0	

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

		Level 5 (LTM) Parameters Used, Extracted, Emitted, or Generated Off-Site - Alternative 3 v1																														
		Quantity Used	Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
			Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Extracted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Generated	Conv. Factor	Generated	Conv. Factor	Emitted	Conv. Factor	Released	Conv. Factor	Released	Conv. Factor	Released
				Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs
Totals			6,900,000.		390.		440.		0		0		1,000,000.		3,600.		2,300.		93.		1.7		0		160.		0.00074		0.019		0.00000043	
Energy																																
Diesel (on-site)	gal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Gasoline (on-site use)	gal	127.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Natural gas (on-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Diesel (off-site use)	gal	16.5375	139	2,300.	0	0	0	0	0	0	22.5	370.	0.17	2.8	0.0054	0.089	0.0034	0.056	0	0	0	0	0	0.0003	0.005	0	0	0	0	0		
Gasoline (off-site use)	gal	844.8	124	100,000.	0	0	0	0	0	0	19.6	17,000.	0.11	93.	0.0045	3.8	0.0005	0.46	0	0	0	0	0.0003	0.25	0	0	0	0	0	0		
Natural gas (off-site use)	ccf	0	103	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0.29	0	0	0	0	0	0	0		
On-site electricity use	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Electricity transmission*	MWh	0	410	0	0.12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Electricity production*	MWh	0	7800	0	0.06	0	7.3	0	0	0	0	0	0	800	0	0.84	0	6.7	0	0.087	0	0.0009	0	0	0.017	0	3E-06	0	3E-05	0	9E-12	
Energy Subtotal			100,000.		0		0		0		0		17,000.		96.		3.9		0.52		0		0		0.26		0		0	0		
Materials																																
PVC	lb	0	22	0	0.0006	0	0.0069	0	0	0	4.1	0	0.0048	0	0.0076	0	0.0012	0	2E-06	0	2E-06	0	0.0005	0	3E-07	0	1E-07	0	7E-09	0		
HDPE	lb	0	31	0	0.0003	0	0.0023	0	0	0	1.9	0	0.0032	0	0.0041	0	0.0006	0	4E-07	0	1E-06	0	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	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	3.4	0	0.0075	0	0.012	0	0.0044	0	0.0006	0	0	0	0.0001	0	0	0	5E-07	0	2E-12	0		
Gravel/sand	ton	0	55	0	0.0027	0	0.13	0	0	0	6.7	0	0.033	0	0.03	0	0.004	0	0	0	0	0	4E-07	0	6E-11	0	1E-09	0	2E-16	0		
Cement Grout	dry-ton	0	4100	0	0.13	0	0.41	0	0	0	1800	0	3.6	0	2.1	0	0.0063	0	0	0	0	0	0.058	0	6E-05	0	0.0001	0	9E-11	0		
Concrete	tons	0	793	0	0.026	0	0.19	0	0	0	335	0	0.68	0	0.41	0	0.0044	0	3E-08	0	0	0	0.011	0	1E-05	0	2E-05	0	2E-11	0		
Bentonite	ton	0	55	0	0.0027	0	0.13	0	0	0	6.7	0	0.033	0	0.03	0	0.004	0	0	0	0	0	4E-07	0	6E-11	0	1E-09	0	2E-16	0		
Regenerated GAC	lbs	0	9.6	0	0.0004	0	0.0064	0	0	0	2	0	0.025	0	0.015	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Bioinjection (Molasses)	lbs	0	1.31	0	5E-06	0	9E-05	0	0	0	0.4	0	0.003	0	0.0026	0	6E-05	0	0	0	0	0	0	0	0	0	0	0	0	0		
Bioinjection (Cheese Whey)	lbs	0	1.87	0	0	0	0	0	0	0	1.1	0	0.0083	0	0.0099	0	0.0002	0	0	0	0	0	0	0	0	0	0	0	0	0		
Bioinjection (Vegetable Oil)	lbs	0	3.6	0	6E-05	0	2E-05	0	0	0	3.51	0	0.0265	0	0.031	0	0.0017	0	0	0	0	0	0	0	0	0	0	0	0	0		
Diesel Produced	gal	16.5375	18.5	310.	0.0006	0.0098	0.0008	0.013	0	0	2.7	45.	0.0064	0.11	0.013	0.21	0.0003	0.0056	4E-07	0.000006	0	0	0.0001	0.002	5E-08	0.00000079	2E-06	0.000025	3E-14	0.000000000005		
Gasoline Produced	gal	972	21	20,000.	0.0006	0.57	0.0008	0.77	0	0	4.4	4,300.	0.008	7.8	0.019	18.	0.0005	0.51	4E-07	0.00041	0	0	0.0002	0.16	9E-08	0.000083	2E-06	0.0021	3E-14	0.000000000003		
Natural Gas Produced	ccf	0	5.2	0	0.0003	0	8E-05	0	0	0	2.2	0	0.0037	0	0.0046	0	7E-05	0	0	0	0	0	6E-06	0	2E-08	0	9E-07	0	5E-14	0		
Groundwater Extracted On-site	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Potable Water Produced	gal x 1000	0	9.2	0	0.0004	0	0.021	0	0	0	5	0	0.0097	0	0.0059	0	0.016	0	8E-07	0	0	0	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	0.5168	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		
Other On-Site Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Materials Subtotal			49,000.		2.		5.		0		0		12,000.		17.		29.		4.2		1.7		0		0.6		0.00074		0.019		0.00000043	
Waste and Other Services																																
Off-site waste water treatment	gal x 1000	0	3.7	0	0.0002	0	0.0008	0	0	0	3	0	0.0061	0	0.0029	0	8E-05	0	5E-07	0	0	0	0.0001	0	8E-08	0	6E-07	0	1E-12	0		
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Solid Waste Disposal	ton	0	160	0	0.0077	0	0.15	0	0	0	25	0	0.14	0	0.075	0	0.4	0	8E-06	0	0	0	0.0014	0	1E-06	0	8E-06	0	1E-11	0		
Hazardous Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Hazardous Waste Disposal	ton	0	176	0	0.0085	0	0.165	0	0	0	27.5	0	0.154	0	0.0825	0	0.44	0	9E-06	0	0	0	0.0015	0	1E-06	0	8E-06	0	1E-11	0		
Laboratory Analysis	\$	770400	8.8	6,800,000.	0.0005	390.	0.0006	430.	0	0	1.3	1,000,000.	0.0045	3,500.	0.003	2,300.	0.0001	88.	0	0	0	0	0.0002	160.	0	0	0	0	0	0		
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		
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		
Other Subtotal			0		0		0		0		0		0		0		0		0		0		0		0		0		0	0		

		Level 5 (LTM) Total On-Site and Off-Site Parameters - Alternative 3 v1														
	Quantity Used	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
		Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
		Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Totals		7,000,000.	390.	440.	0	0	1,000,000.	3,600.	2,300.	93.	1.7	0	160.	0.00074	0.019	0.000000043
Energy																
Diesel (on-site)	gal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gasoline (on-site use)	gal	127.2	16,000.	0	0	0	2,500.	14.	0.57	0.069	0	0	0.038	0	0	0
Natural gas (on-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel (off-site use)	gal	16.5375	2,300.	0	0	0	370.	2.8	0.089	0.056	0	0	0.005	0	0	0
Gasoline (off-site use)	gal	844.8	100,000.	0	0	0	17,000.	93.	3.8	0.46	0	0	0.25	0	0	0
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site electricity use	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity transmission*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity production*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Energy Subtotal		120,000.	0	0	0	0	20,000.	110.	4.5	0.59	0	0	0.29	0	0	0
Materials																
PVC	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Steel	lb	6615	29,000.	1.4	4.2	0	7,300.	9.3	11.	3.7	1.7	0	0.44	0.00066	0.017	0.000000043
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gravel/sand	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cement Grout	dry-ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Concrete	tons	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bentonite	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Produced	gal	16.5375	310.	0.0098	0.013	0	45.	0.11	0.21	0.0056	0.000006	0	0.002	0.00000079	0.000025	0.000000000005
Gasoline Produced	gal	972	20,000.	0.57	0.77	0	4,300.	7.8	18.	0.51	0.00041	0	0.16	0.000083	0.0021	0.000000000003
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Groundwater Extracted On-site	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Produced	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Transported	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other On-Site Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials Subtotal		49,000.	2.	5.	0	0	12,000.	17.	29.	4.2	1.7	0	0.6	0.00074	0.019	0.000000043
Waste and Other Services																
Off-site waste water treatment	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Laboratory Analysis	\$	770400	6,800,000.	390.	430.	0	1,000,000.	3,500.	2,300.	88.	0	0	160.	0	0	0
Waste and Other Services Subtotal			6,800,000.	390.	430.	0	1,000,000.	3,500.	2,300.	88.	0	0	160.	0	0	0
Other																
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Subtotal		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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

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

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

		Level 6 (Decomm.) Total On-Site and Off-Site Parameters - Alternative 3 v1														
	Quantity Used	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
		Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
		Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Totals		110,000.	2.1	8.2	1.9	0	33,000.	93.	39.	0.54	0.00013	0	1.	0.00087	0.0026	0.0000000012
Energy																
Diesel (on-site)	gal	22.4	3,100.	0	0	0	500.	3.8	0.12	0.076	0	0	0.0067	0	0	0
Gasoline (on-site use)	gal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural gas (on-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel (off-site use)	gal	7.35	1,000.	0	0	0	170.	1.2	0.04	0.025	0	0	0.0022	0	0	0
Gasoline (off-site use)	gal	288	36,000.	0	0	0	5,600.	32.	1.3	0.16	0	0	0.086	0	0	0
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site electricity use	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity transmission*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity production*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Energy Subtotal		40,000.	0	0	0	0	6,300.	37.	1.5	0.26	0	0	0.095	0	0	0
Materials																
PVC	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gravel/sand	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cement Grout	dry-ton	14.7	60,000.	1.9	6.	0	26,000.	53.	31.	0.093	0	0	0.85	0.00084	0.0019	0.0000000012
Concrete	tons	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bentonite	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Produced	gal	29.75	550.	0.018	0.023	0	80.	0.19	0.39	0.01	0.000011	0	0.0036	0.0000014	0.000045	0.0000000000089
Gasoline Produced	gal	288	6,000.	0.17	0.23	0	1,300.	2.3	5.5	0.15	0.00012	0	0.046	0.000024	0.00063	0.0000000000089
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Groundwater Extracted On-site	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Produced	gal x 1000	1.877	17.	0.00083	0.039	0	9.4	0.018	0.011	0.03	0.0000016	0	0.000028	0.000000015	0.00000013	0.00000000000019
Potable Water Transported	gal x 1000	1.877	14.	0.0012	0.0089	0	0.97	0.001	0.0081	0.00011	0.0000011	0	0	0.000005	0.000000073	0.000000000000055
Potable Water Used	gal x 1000	1.877	0	0	1.9	1.9	0	0	0	0	0	0	0	0	0	0
Other On-Site Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials Subtotal		67,000.	2.1	8.2	1.9	0	27,000.	56.	37.	0.28	0.00013	0	0.9	0.00087	0.0026	0.0000000012
Waste and Other Services																
Off-site waste water treatment	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Laboratory Analysis	\$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste and Other Services Subtotal		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other																
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Subtotal		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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