APPENDIX C

FOOTPRINTING SPREADSHEET OUTPUT

PRIMARY ANALYSIS

SPREADSHEET OUTPUT FILES – PRIMARY ANALYSIS

Figures C-1and C-2 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.

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

For this analysis the following assignments apply:

- Alternative 2 – Hybrid remedy
- Alternative 3 – Bioremediation
- Alternative 4 – P&T

- Level 1 – On-site activities
- Level 2 – Transportation
- Level 3 – Off-site activities.

It is recognized that the above level assignments are somewhat redundant with the ability for each footprinting spreadsheet to calculate the on-site, off-site, and on-site + off-site footprints.

Figure C-1. Organization of Files for Primary Analysis

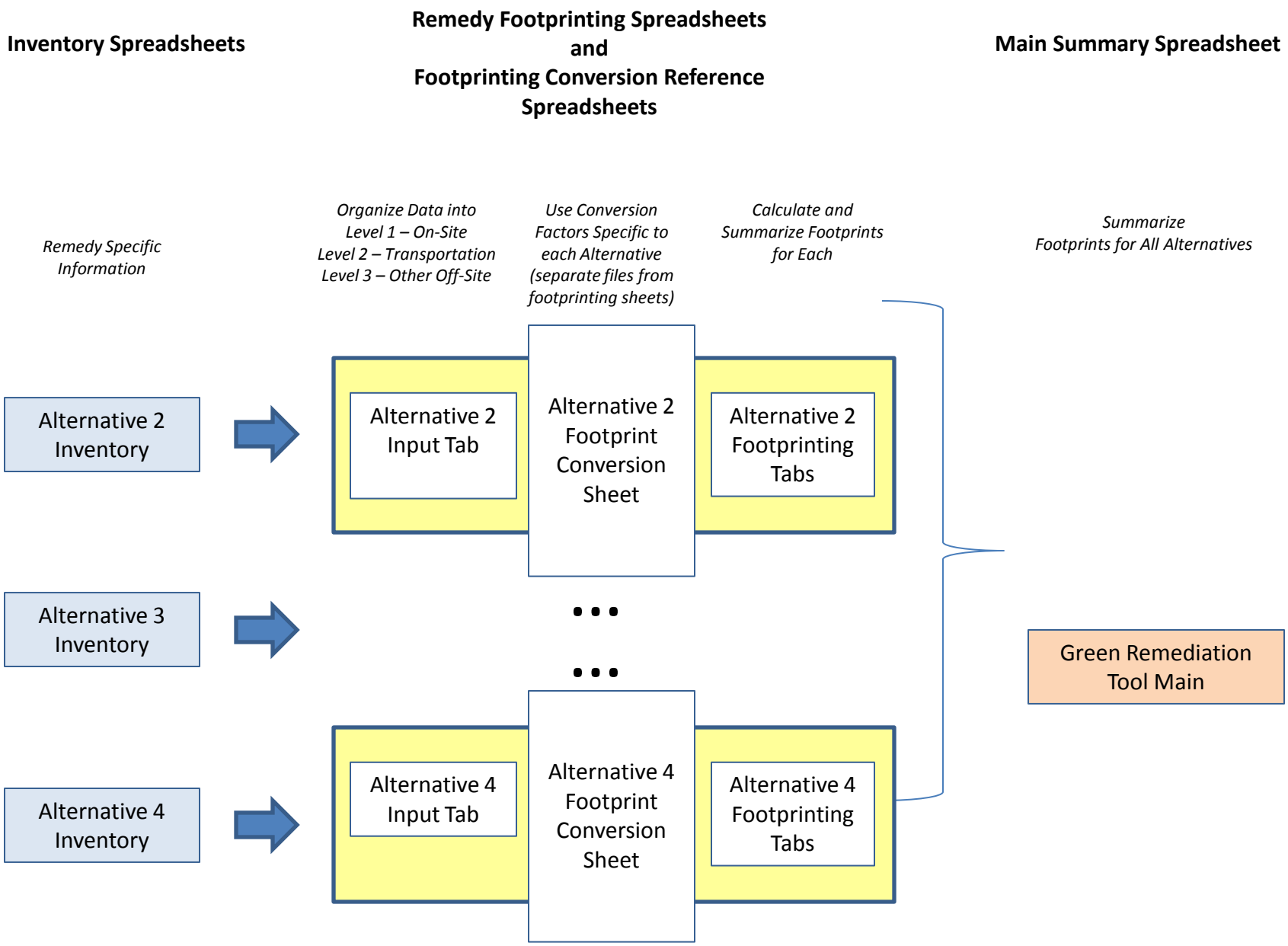
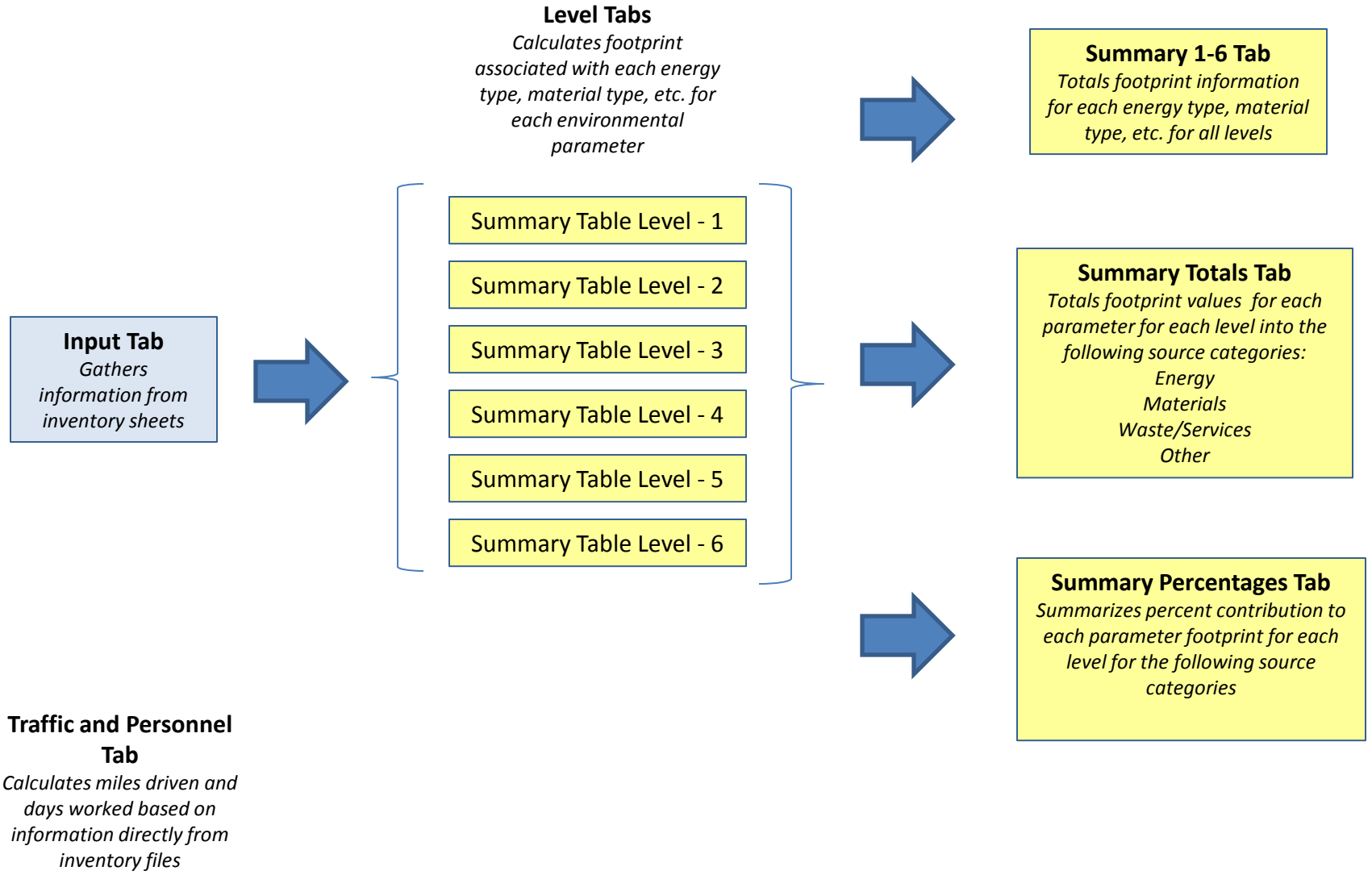


Figure C-2. Organization of Footprint Analysis Spreadsheets



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

Variables In Alternative:

Level 1	On-Site
Level 2	Transport.
Level 3	Off-Site
Level 4	Not Used
Level 5	Not Used
Level 6	Not Used

File Path :

File Name	Baseline	Alternative Name
Green Remediation Tool Alternative 2 v1.xlsx		Hybrid
Green Remediation Tool Alternative 3 v1.xlsx	X	Bioremediation
Green Remediation Tool Alternative 4 v1.xlsx		P&T
Green Remediation Tool Alternative 10.xlsx		
Green Remediation Tool Alternative 10.xlsx		
Green Remediation Tool Alternative 10.xlsx		
Green Remediation Tool Alternative 10.xlsx		
Green Remediation Tool Alternative 10.xlsx		
Green Remediation Tool Alternative 10.xlsx		
Green Remediation Tool Alternative 10.xlsx		

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

Sheet Name:

	Comparison for Parameters Used, Extracted, Emitted, or Generated On-Site														
	Energy Used Mbtu	Electricity Used MWh	All Water Used gal x 1000	Potable Water Used gal x 1000	Groundwater Extracted gal x 1000	CO2e Emitted lbs	NO x Emitted lbs	SO x Emitted lbs	PM Emitted lbs	Solid Waste Generated tons	Haz. Waste Generated tons	Air Toxics Emitted lbs	Mercury Released lbs	Lead Released lbs	Dioxins Released lbs
Level 1 - On-Site															
Hybrid	8,700,000.	2,200.	510,000.	5,700.	500,000.	200,000.	1,500.	49.	30.	0	6,300.	3,300.	0	0	0
Bioremediation	1,500,000.	13.	6,900.	6,900.	27.	230,000.	1,800.	57.	35.	0	6,300.	3.1	0	0	0
P&T	27,000,000.	7,600.	2,700,000.	4.	2,700,000.	300,000.	840.	27.	16.	0	6,200.	18,000.	0	0	0
Level 2 - Transport.															
Hybrid	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioremediation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P&T	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Level 3 - Off-Site															
Hybrid	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioremediation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P&T	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total (All Levels)															
Hybrid	8,700,000.	2,200.	510,000.	5,700.	500,000.	200,000.	1,500.	49.	30.	0	6,300.	3,300.	0	0	0
Bioremediation	1,500,000.	13.	6,900.	6,900.	27.	230,000.	1,800.	57.	35.	0	6,300.	3.1	0	0	0
P&T	27,000,000.	7,600.	2,700,000.	4.	2,700,000.	300,000.	840.	27.	16.	0	6,200.	18,000.	0	0	0

	Comparison for Parameters Used, Extracted, Emitted, or Generated Off-Site														
	Energy Used Mbtu	Electricity Used MWh	All Water Used gal x 1000	Potable Water Used gal x 1000	Groundwater Extracted gal x 1000	CO2e Emitted lbs	NO x Emitted lbs	SO x Emitted lbs	PM Emitted lbs	Solid Waste Generated tons	Haz. Waste Generated tons	Air Toxics Emitted lbs	Mercury Released lbs	Lead Released lbs	Dioxins Released lbs
Level 1 - On-Site															
Hybrid	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioremediation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P&T	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Level 2 - Transport.															
Hybrid	13,000,000.	260.	27.	0	0	1,900,000.	14,000.	470.	220.	0.0033	0	27.	0.015	0.00022	0.00000000017
Bioremediation	10,000,000.	6.	32.	0	0	1,600,000.	12,000.	420.	230.	0.004	0	22.	0.018	0.00027	0.0000000002
P&T	13,000,000.	910.	0.019	0	0	1,700,000.	12,000.	390.	190.	0.0000023	0	23.	0.000011	0.00000016	0.000000000000012
Level 3 - Off-Site															
Hybrid	51,000,000.	1,500.	29,000.	0	0	10,000,000.	65,000.	60,000.	3,600.	7.9	0.014	320.	0.072	0.68	0.000057
Bioremediation	17,000,000.	580.	3,000.	0	0	4,300,000.	24,000.	24,000.	3,500.	4.	0.015	210.	0.025	0.25	0.000064
P&T	160,000,000.	5,400.	110,000.	0	0	34,000,000.	240,000.	190,000.	3,900.	23.	0.0073	720.	0.27	2.3	0.000028
Total (All Levels)															
Hybrid	64,000,000.	1,800.	29,000.	0	0	12,000,000.	79,000.	60,000.	3,800.	7.9	0.014	350.	0.087	0.68	0.000057
Bioremediation	27,000,000.	590.	3,000.	0	0	5,900,000.	36,000.	24,000.	3,700.	4.	0.015	230.	0.043	0.25	0.000064
P&T	170,000,000.	6,300.	110,000.	0	0	36,000,000.	250,000.	190,000.	4,100.	23.	0.0073	740.	0.27	2.3	0.000028

	Comparison for Total Parameters Used, Extracted, Emitted, or Generated On-Site and Off-Site														
	Energy Used Mbtu	Electricity Used MWh	All Water Used gal x 1000	Potable Water Used gal x 1000	Groundwater Extracted gal x 1000	CO2e Emitted lbs	NO x Emitted lbs	SO x Emitted lbs	PM Emitted lbs	Solid Waste Generated tons	Haz. Waste Generated tons	Air Toxics Emitted lbs	Mercury Released lbs	Lead Released lbs	Dioxins Released lbs
Level 1 - On-Site															
Hybrid	8,700,000.	2,200.	510,000.	5,700.	500,000.	200,000.	1,500.	49.	30.	0	6,300.	3,300.	0	0	0
Bioremediation	1,500,000.	13.	6,900.	6,900.	27.	230,000.	1,800.	57.	35.	0	6,300.	3.1	0	0	0
P&T	27,000,000.	7,600.	2,700,000.	4.	2,700,000.	300,000.	840.	27.	16.	0	6,200.	18,000.	0	0	0
Level 2 - Transport.															
Hybrid	13,000,000.	260.	27.	0	0	1,900,000.	14,000.	470.	220.	0.0033	0	27.	0.015	0.00022	0.00000000017
Bioremediation	10,000,000.	6.	32.	0	0	1,600,000.	12,000.	420.	230.	0.004	0	22.	0.018	0.00027	0.0000000002
P&T	13,000,000.	910.	0.019	0	0	1,700,000.	12,000.	390.	190.	0.0000023	0	23.	0.000011	0.00000016	0.000000000000012
Level 3 - Off-Site															
Hybrid	51,000,000.	1,500.	29,000.	0	0	10,000,000.	65,000.	60,000.	3,600.	7.9	0.014	320.	0.072	0.68	0.000057
Bioremediation	17,000,000.	580.	3,000.	0	0	4,300,000.	24,000.	24,000.	3,500.	4.	0.015	210.	0.025	0.25	0.000064
P&T	160,000,000.	5,400.	110,000.	0	0	34,000,000.	240,000.	190,000.	3,900.	23.	0.0073	720.	0.27	2.3	0.000028
Total (All Levels)															
Hybrid	73,000,000.	4,000.	540,000.	5,700.	500,000.	12,000,000.	81,000.	61,000.	3,900.	7.9	6,300.	3,600.	0.087	0.68	0.000057
Bioremediation	29,000,000.	600.	9,900.	6,900.	27.	6,100,000.	38,000.	24,000.	3,800.	4.	6,300.	240.	0.043	0.25	0.000064
P&T	200,000,000.	14,000.	2,800,000.	4.	2,700,000.	36,000,000.	250,000.	190,000.	4,100.	23.	6,200.	19,000.	0.27	2.3	0.000028

	Alternatives that Have a Relatively Large On-Site Footprint (Relative to Other Alternatives), For Each Parameter														
	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**
Hybrid	0	0	0	1	0	1	1	1	1	0	1	0	0	0	0
Bioremediation	0	0	0	1	0	1	1	1	1	0	1	0	0	0	0
P&T	1	1	1	0	1	1	0	0	0	0	1	1	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

A cell has a value of 1 and is shaded if the footprint for that parameter and alternative is larger than 50% of the largest footprint for that parameter amongst the various alternatives (i.e., the alternative has a relatively high footprint for that parameter).

	Alternatives that Have a Relatively Large Off-Site Footprint (Relative to Other Alternatives), For Each Parameter														
	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**
Hybrid	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1
Bioremediation	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1
P&T	1	1	1	0	0	1	1	1	1	1	0	1	1	1	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

A cell has a value of 1 and is shaded if the footprint for that parameter and alternative is larger than 50% of the largest footprint for that parameter amongst the various alternatives (i.e., the alternative has a relatively high footprint for that parameter).

	Alternatives that Have a Relatively Large Combined (On-Site and Off-Site) Footprint (Relative to Other Alternatives), For Each Parameter														
	Energy Used Mbtu	**Electricity Used MWh**	**All Water Used gal x 1000**	**Potable Water Used gal x 1000**	**Groundwater Extracted gal x 1000**	**CO2e Emitted lbs**	**NO x Emitted lbs**	**SO x Emitted lbs**	**PM Emitted lbs**	**Solid Waste Generated tons**	**Haz. Waste Generated tons**	**Air Toxics Emitted lbs**	**Mercury Released lbs**	**Lead Released lbs**	**Dioxins Released lbs**
Hybrid	0	0	0	1	0	0	0	0	1	0	1	0	0	0	1
Bioremediation	0	0	0	1	0	0	0	0	1	0	1	0	0	0	1
P&T	1	1	1	0	1	1	1	1	1	1	1	1	1	1	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

A cell has a value of 1 and is shaded if the footprint for that parameter and alternative is larger than 50% of the largest footprint for that parameter amongst the various alternatives (i.e., the alternative has a relatively high footprint for that parameter).

	Number of Relatively High Footprints for Each Alternative			
	On-Site Parameters	**Off-Site Parameters**	**On-Site and Off-Site**	**Duration, Travel, & Labor**
Hybrid	6	3	4	7
Bioremediation	6	3	4	4
P&T	7	11	13	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

A footprint is considered relatively large if it is more than 50% of the largest footprint (among the various alternatives) for that parameter.

	Remedy Duration, Travel, and Labor								
	Remedy Duration	Time to Redevel.	Passenger Car Trips to Site	Light-Duty Truck Trips to Site	Heavy-Duty Truck Trips to Site	Passenger Car Travel	Light-Duty Truck Trips to Site	Heavy-Duty Truck Trips to Site	Man-Days Worked On-Site
	years	years	trips	trips	trips	miles	miles	miles	Man-Days
Hybrid	30.	10.	0	2,916.	1,462.	0	163,170.	699,650.	5,522.
Bioremediation	10.	10.	0	1,312.	1,465.	0	114,828.	700,000.	4,036.
P&T	40.	5.	0	2,841.	1,455.	0	240,812.	698,950.	5,191.

	Scaled Comparison for Parameters Used, Extracted, Emitted, or Generated On-Site														
	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
Baseline Alternative:	Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
Bioremediation	Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
On-Site															
Hybrid	580%	16923%	7391%	83%	1851852%	87%	83%	86%	86%	0%	100%	106452%	0%	0%	0%
Bioremediation	100%	100%	100%	100%	100%	100%	100%	100%	100%	0%	100%	100%	0%	0%	0%
P&T	1800%	58462%	39130%	0%	10000000%	130%	47%	47%	46%	0%	98%	580645%	0%	0%	0%
Transport.															
Hybrid	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Bioremediation	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
P&T	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Off-Site															
Hybrid	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Bioremediation	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
P&T	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Total (All Levels)															
Hybrid	580%	16923%	7391%	83%	1851852%	87%	83%	86%	86%	0%	100%	106452%	0%	0%	0%
Bioremediation	100%	100%	100%	100%	100%	100%	100%	100%	100%	0%	100%	100%	0%	0%	0%
P&T	1800%	58462%	39130%	0%	10000000%	130%	47%	47%	46%	0%	98%	580645%	0%	0%	0%

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

	Scaled Comparison for Parameters Used, Extracted, Emitted, or Generated Off-Site														
	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
Baseline Alternative:	Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
Bioremediation	Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
On-Site															
Hybrid	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Bioremediation	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
P&T	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Transport.															
Hybrid	130%	4333%	84%	0%	0%	119%	117%	112%	96%	83%	0%	123%	83%	81%	85%
Bioremediation	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	0%	100%	100%	100%	100%
P&T	130%	15167%	0%	0%	0%	106%	100%	93%	83%	0%	0%	105%	0%	0%	0%
Off-Site															
Hybrid	300%	259%	967%	0%	0%	233%	271%	250%	103%	198%	93%	152%	288%	272%	89%
Bioremediation	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
P&T	941%	931%	3667%	0%	0%	791%	1000%	792%	111%	575%	49%	343%	1080%	920%	44%
Total (All Levels)															
Hybrid	237%	305%	967%	0%	0%	203%	219%	250%	103%	198%	93%	152%	202%	272%	89%
Bioremediation	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
P&T	630%	1068%	3667%	0%	0%	610%	694%	792%	111%	575%	49%	322%	628%	920%	44%

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

	Scaled Comparison for Total Parameters Used, Extracted, Emitted, or Generated On-Site and Off-Site														
	Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
Baseline Alternative:	Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
Bioremediation	Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
On-Site															
Hybrid	580%	16923%	7391%	83%	1851852%	87%	83%	86%	86%	0%	100%	106452%	0%	0%	0%
Bioremediation	100%	100%	100%	100%	100%	100%	100%	100%	100%	0%	100%	100%	0%	0%	0%
P&T	1800%	58462%	39130%	0%	10000000%	130%	47%	47%	46%	0%	98%	580645%	0%	0%	0%
Transport.															
Hybrid	130%	4333%	84%	0%	0%	119%	117%	112%	96%	83%	0%	123%	83%	81%	85%
Bioremediation	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	0%	100%	100%	100%	100%
P&T	130%	15167%	0%	0%	0%	106%	100%	93%	83%	0%	0%	105%	0%	0%	0%
Off-Site															
Hybrid	300%	259%	967%	0%	0%	233%	271%	250%	103%	198%	93%	152%	288%	272%	89%
Bioremediation	100%	100%	100%	0%	0%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
P&T	941%	931%	3667%	0%	0%	791%	1000%	792%	111%	575%	49%	343%	1080%	920%	44%
Total (All Levels)															
Hybrid	252%	667%	5455%	83%	1851852%	197%	213%	254%	103%	198%	100%	1500%	202%	272%	89%
Bioremediation	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
P&T	690%	2333%	28283%	0%	10000000%	590%	658%	792%	108%	575%	98%	7917%	628%	920%	44%

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

	Major Contributors for Parameters Used, Extracted, Emitted, or Generated On-Site														
	Energy Used Mbtu	Electricity Used MWh	All Water Used gal x 1000	Potable Water Used gal x 1000	Groundwater Extracted gal x 1000	CO2e Emitted lbs	NO x Emitted lbs	SO x Emitted lbs	PM Emitted lbs	Solid Waste Generated tons	Haz. Waste Generated tons	Air Toxics Emitted lbs	Mercury Released lbs	Lead Released lbs	Dioxins Released lbs
On-Site															
Hybrid	Elec. Use (86%)	Elec. Use (100%)	GW Ext (98%)	PW Used (100%)	GW Ext (100%)	Diesel-On (100%)	Diesel-On (100%)	Diesel-On (98%)	Diesel-On (100%)		HW-Gen (100%)	Proc. HAPs (100%)			
Bioremediation	Diesel-On (93%)	Elec. Use (100%)	PW Used (100%)	PW Used (100%)	GW Ext (100%)	Diesel-On (100%)	Diesel-On (100%)	Diesel-On (98%)	Diesel-On (100%)		HW-Gen (100%)	Diesel-On (100%)			
P&T	Elec. Use (96%)	Elec. Use (100%)	GW Ext (100%)	PW Used (100%)	GW Ext (100%)	Proc. GHGs (63%)	Diesel-On (94%)	Diesel-On (93%)	Diesel-On (100%)		HW-Gen (100%)	Proc. HAPs (100%)			
Transport.															
Hybrid															
Bioremediation															
P&T															
Off-Site															
Hybrid															
Bioremediation															
P&T															
Total (All Levels)															
Hybrid	1 - Elec. Use (86%)	1 - Elec. Use (100%)	1 - GW Ext (98%)	1 - PW Used (100%)	1 - GW Ext (100%)	1 - Diesel-On (100%)	1 - Diesel-On (100%)	1 - Diesel-On (98%)	1 - Diesel-On (100%)		1 - HW-Gen (100%)	1 - Proc. HAPs (100%)			
Bioremediation	1 - Diesel-On (93%)	1 - Elec. Use (100%)	1 - PW Used (100%)	1 - PW Used (100%)	1 - GW Ext (100%)	1 - Diesel-On (100%)	1 - Diesel-On (100%)	1 - Diesel-On (98%)	1 - Diesel-On (100%)		1 - HW-Gen (100%)	1 - Diesel-On (100%)			
P&T	1 - Elec. Use (96%)	1 - Elec. Use (100%)	1 - GW Ext (100%)	1 - PW Used (100%)	1 - GW Ext (100%)	1 - Proc. GHGs (63%)	1 - Diesel-On (94%)	1 - Diesel-On (93%)	1 - Diesel-On (100%)		1 - HW-Gen (100%)	1 - Proc. HAPs (100%)			

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

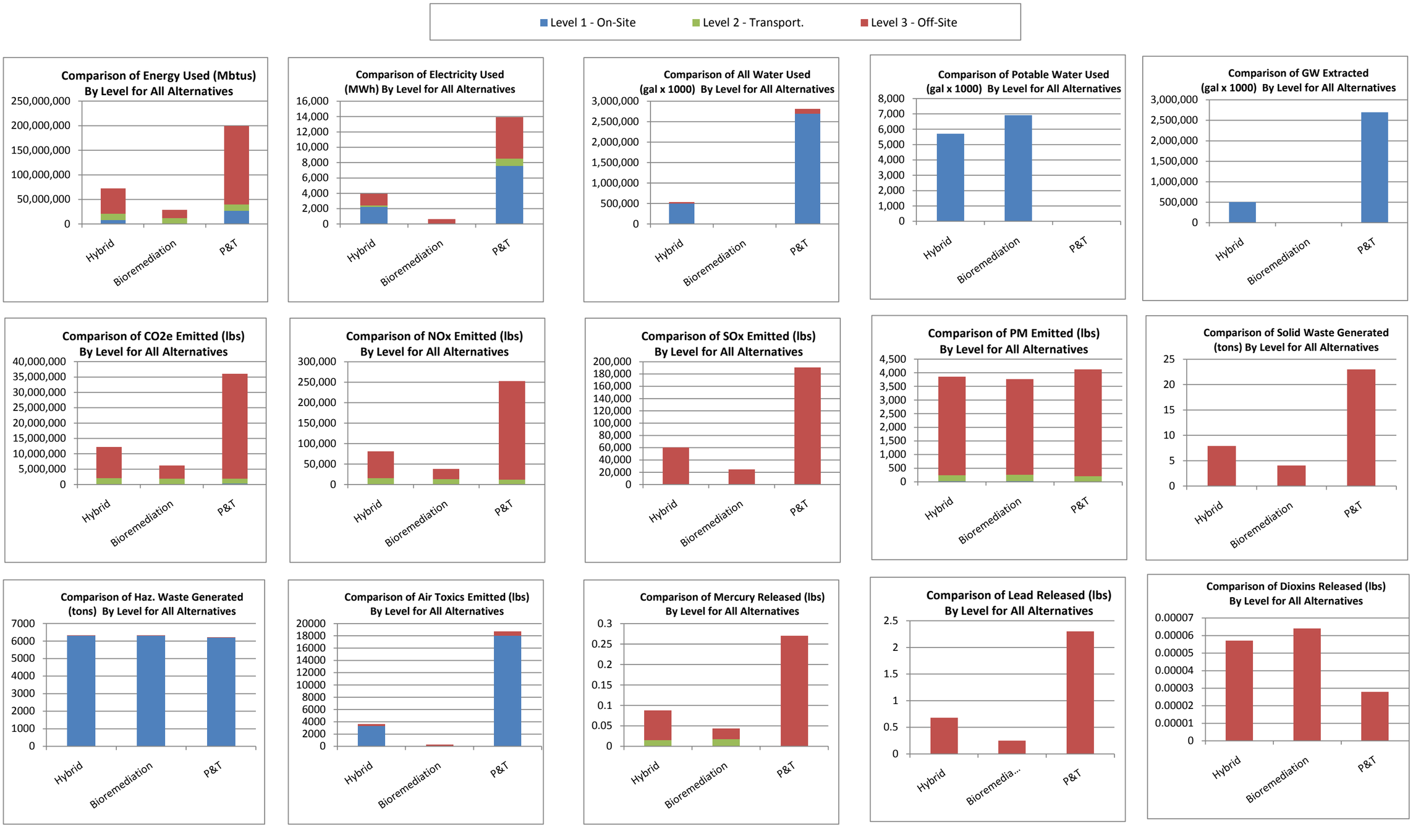
	Major Contributors for Parameters Used, Extracted, Emitted, or Generated Off-Site														
	Energy Used Mbtu	Electricity Used MWh	All Water Used gal x 1000	Potable Water Used gal x 1000	Groundwater Extracted gal x 1000	CO2e Emitted lbs	NO x Emitted lbs	SO x Emitted lbs	PM Emitted lbs	Solid Waste Generated tons	Haz. Waste Generated tons	Air Toxics Emitted lbs	Mercury Released lbs	Lead Released lbs	Dioxins Released lbs
On-Site															
Hybrid															
Bioremediation															
P&T															
Transport.															
Hybrid	Diesel-Off (66%)	Elec. Trans (100%)	PW Trans. (100%)			Diesel-Off (74%)	Diesel-Off (79%)	Diesel-Off (70%)	Diesel-Off (95%)	PW Trans. (100%)		Diesel-Off (70%)	PW Trans. (100%)	PW Trans. (100%)	PW Trans. (100%)
Bioremediation	Diesel-Off (88%)	PW Trans. (73%)	PW Trans. (100%)			Diesel-Off (88%)	Diesel-Off (92%)	Diesel-Off (81%)	Diesel-Off (96%)	PW Trans. (100%)		Diesel-Off (86%)	PW Trans. (100%)	PW Trans. (100%)	PW Trans. (100%)
P&T	Diesel-Off (56%)	Elec. Trans (100%)	PW Trans. (100%)			Diesel-Off (71%)	Diesel-Off (74%)	Diesel-Off (72%)	Diesel-Off (95%)	PW Trans. (100%)		Diesel-Off (70%)	PW Trans. (100%)	PW Trans. (100%)	PW Trans. (100%)
Off-Site															
Hybrid	Elec. Prod (33%)	GAC-R (46%)	Elec. Prod (55%)			GAC-R (31%)	GAC-R (60%)	GAC-R (38%)	HW-Disp (78%)	Steel (62%)	PVC (93%)	Lab (59%)	POTW (57%)	POTW (47%)	PVC (96%)
Bioremediation	Lab (44%)	Lab (72%)	HW-Disp (33%)			Bio#2 (30%)	Bio#2 (42%)	Bio#2 (50%)	HW-Disp (80%)	Steel (95%)	PVC (100%)	Lab (81%)	HW-Disp (27%)	Diesel-Pro (44%)	PVC (100%)
P&T	GAC-R (50%)	GAC-R (69%)	Elec. Prod (50%)			GAC-R (50%)	GAC-R (88%)	GAC-R (68%)	HW-Disp (69%)	Steel (61%)	PVC (73%)	POTW (46%)	POTW (81%)	POTW (74%)	PVC (82%)
Total (All Levels)															
Hybrid	3 - Elec. Prod (27%)	3 - GAC-R (38%)	3 - Elec. Prod (55%)			3 - GAC-R (26%)	3 - GAC-R (49%)	3 - GAC-R (38%)	3 - HW-Disp (74%)	3 - Steel (62%)	3 - PVC (93%)	3 - Lab (54%)	3 - POTW (47%)	3 - POTW (47%)	3 - PVC (96%)
Bioremediation	2 - Diesel-Off (33%)	3 - Lab (71%)	3 - HW-Disp (33%)			2 - Diesel-Off (24%)	2 - Diesel-Off (31%)	3 - Bio#2 (50%)	3 - HW-Disp (76%)	3 - Steel (95%)	3 - PVC (100%)	3 - Lab (74%)	2 - PW Trans. (42%)	3 - Diesel-Pro (44%)	3 - PVC (100%)
P&T	3 - GAC-R (47%)	3 - GAC-R (59%)	3 - Elec. Prod (50%)			3 - GAC-R (47%)	3 - GAC-R (84%)	3 - GAC-R (68%)	3 - HW-Disp (66%)	3 - Steel (61%)	3 - PVC (73%)	3 - POTW (45%)	3 - POTW (81%)	3 - POTW (74%)	3 - PVC (82%)

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

	Comparison for Total Parameters Used, Extracted, Emitted, or Generated On-Site and Off-Site														
	Energy Used Mbtu	Electricity Used MWh	All Water Used gal x 1000	Potable Water Used gal x 1000	Groundwater Extracted gal x 1000	CO2e Emitted lbs	NO x Emitted lbs	SO x Emitted lbs	PM Emitted lbs	Solid Waste Generated tons	Haz. Waste Generated tons	Air Toxics Emitted lbs	Mercury Released lbs	Lead Released lbs	Dioxins Released lbs
On-Site															
Hybrid	Elec. Use (86%)	Elec. Use (100%)	GW Ext (98%)	PW Used (100%)	GW Ext (100%)	Diesel-On (100%)	Diesel-On (100%)	Diesel-On (98%)	Diesel-On (100%)		HW-Gen (100%)	Proc. HAPs (100%)			
Bioremediation	Diesel-On (93%)	Elec. Use (100%)	PW Used (100%)	PW Used (100%)	GW Ext (100%)	Diesel-On (100%)	Diesel-On (100%)	Diesel-On (98%)	Diesel-On (100%)		HW-Gen (100%)	Diesel-On (100%)			
P&T	Elec. Use (96%)	Elec. Use (100%)	GW Ext (100%)	PW Used (100%)	GW Ext (100%)	Proc. GHGs (63%)	Diesel-On (94%)	Diesel-On (93%)	Diesel-On (100%)		HW-Gen (100%)	Proc. HAPs (100%)			
Transport.															
Hybrid	Diesel-Off (66%)	Elec. Trans (100%)	PW Trans. (100%)			Diesel-Off (74%)	Diesel-Off (79%)	Diesel-Off (70%)	Diesel-Off (95%)	PW Trans. (100%)		Diesel-Off (70%)	PW Trans. (100%)	PW Trans. (100%)	PW Trans. (100%)
Bioremediation	Diesel-Off (88%)	PW Trans. (73%)	PW Trans. (100%)			Diesel-Off (88%)	Diesel-Off (92%)	Diesel-Off (81%)	Diesel-Off (96%)	PW Trans. (100%)		Diesel-Off (86%)	PW Trans. (100%)	PW Trans. (100%)	PW Trans. (100%)
P&T	Diesel-Off (56%)	Elec. Trans (100%)	PW Trans. (100%)			Diesel-Off (71%)	Diesel-Off (74%)	Diesel-Off (72%)	Diesel-Off (95%)	PW Trans. (100%)		Diesel-Off (70%)	PW Trans. (100%)	PW Trans. (100%)	PW Trans. (100%)
Off-Site															
Hybrid	Elec. Prod (33%)	GAC-R (46%)	Elec. Prod (55%)			GAC-R (31%)	GAC-R (60%)	GAC-R (38%)	HW-Disp (78%)	Steel (62%)	PVC (93%)	Lab (59%)	POTW (57%)	POTW (47%)	PVC (96%)
Bioremediation	Lab (44%)	Lab (72%)	HW-Disp (33%)			Bio#2 (30%)	Bio#2 (42%)	Bio#2 (50%)	HW-Disp (80%)	Steel (95%)	PVC (100%)	Lab (81%)	HW-Disp (27%)	Diesel-Pro (44%)	PVC (100%)
P&T	GAC-R (50%)	GAC-R (69%)	Elec. Prod (50%)			GAC-R (50%)	GAC-R (88%)	GAC-R (68%)	HW-Disp (69%)	Steel (61%)	PVC (73%)	POTW (46%)	POTW (81%)	POTW (74%)	PVC (82%)
Total (All Levels)															
Hybrid	3 - Elec. Prod (23%)	1 - Elec. Use (55%)	1 - GW Ext (93%)	1 - PW Used (100%)	1 - GW Ext (100%)	3 - GAC-R (26%)	3 - GAC-R (48%)	3 - GAC-R (38%)	3 - HW-Disp (72%)	3 - Steel (62%)	1 - HW-Gen (100%)	1 - Proc. HAPs (92%)	3 - POTW (47%)	3 - POTW (47%)	3 - PVC (96%)
Bioremediation	2 - Diesel-Off (30%)	3 - Lab (70%)	1 - PW Used (70%)	1 - PW Used (100%)	1 - GW Ext (100%)	2 - Diesel-Off (23%)	2 - Diesel-Off (29%)	3 - Bio#2 (50%)	3 - HW-Disp (74%)	3 - Steel (95%)	1 - HW-Gen (100%)	3 - Lab (71%)	2 - PW Trans. (42%)	3 - Diesel-Pro (44%)	3 - PVC (100%)
P&T	3 - GAC-R (40%)	1 - Elec. Use (54%)	1 - GW Ext (96%)	1 - PW Used (100%)	1 - GW Ext (100%)	3 - GAC-R (47%)	3 - GAC-R (84%)	3 - GAC-R (68%)	3 - HW-Disp (66%)	3 - Steel (61%)	1 - HW-Gen (100%)	1 - Proc. HAPs (95%)	3 - POTW (81%)	3 - POTW (74%)	3 - PVC (82%)

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

Romic, East Palo Alto, CA - Primary Analysis - Output by Parameter



Alternative:	**Alternative 2**
Alternative Name:	**Hybrid P&T/Bio.**
Path Name:	
Main File Name:	Green Remediation Tool Main.xlsx
Reference File Name:	Green Remediation Tool Reference.xlsx
Module File Name:	alternative 2 v1 inventory modules.xlsx

Variables In Alternative:

Level 1	On-Site
Level 2	Transport.
Level 3	Off-Site
Level 4	Not Used
Level 5	Not Used
Level 6	Not Used

Usage Input - Alternative 2

	Abbreviation	Units	Level 1 On-Site	Level 2 Transport.	Level 3 Off-Site	Level 4 Not Used	Level 5 Not Used	Level 6 Not Used	Total
Energy									
Diesel (on-site)	Diesel-On	gal	8891						8891
Gasoline (on-site use)	Gas-On	gal	237.6						237.6
Natural gas (on-site use)	NG-On	ccf							0
Diesel (off-site use)	Diesel-Off	gal		61837					61837
Gasoline (off-site use)	Gas-Off	gal		25034					25034
Natural gas (off-site use)	NG-Off	ccf							0
On-site electricity use	Elec. Use	MWh	2200						2200
Electricity transmission*	Elec. Trans	MWh		2200					2200
Electricity production*	Elec. Prod	MWh			2200				2200
Materials									
PVC	PVC	lb			8000				8000
HDPE	HDPE	lb			600				600
Steel	Steel	lb			19400				19400
Stainless Steel	S. Steel	lb			1000				1000
Gravel/sand	Sand	ton			5648				5648
Cement Grout	Cement	dry-ton			71				71
Concrete	Concrete	tons			369				369
Bentonite	Bent.	ton			1				1
Regenerated GAC	GAC-R	lbs			1566000				1566000
Bioinjection (Molasses)	Bio#1	lbs			2162200				2162200
Bioinjection (Cheese Whey)	Bio#2	lbs			994100				994100
Bioinjection (Vegetable Oil)	Bio#3	lbs			0				0
Diesel Produced	Diesel-Pro	gal			70728				70728
Gasoline Produced	Gas-Pro	gal			25271.6				25271.6
Natural Gas Produced	NG-Pro	ccf			0				0
Groundwater Extracted On-site	GW Ext	gal x 1000	504599						504599
Potable Water Produced	PW Pro.	gal x 1000			5671				5671
Potable Water Transported	PW Trans.	gal x 1000		5671					5671
Potable Water Used	PW Used	gal x 1000	5671						5671
Other On-Site Water Used	OW	gal x 1000							0
Waste and Other Services									
Off-site waste water treatment	POTW	gal x 1000			505000				505000
Solid Waste Generation	SW-Gen	ton	0						0
Solid Waste Disposal	SW-Disp	ton			0				0
Hazardous Waste Generation	HW-Gen	ton	6280						6280
Hazardous Waste Disposal	HW-Disp	ton			6280				6280
Laboratory Analysis	Lab	$			919700				919700
Other									
On-site process emissions (HAPs)	Proc. HAPs	lbs	3300						3300
On-site process emissions (GHGs)	Proc. GHGs	lbs CO2e	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 2														
	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 - On-Site															
Energy	8,700,000.	2,200.	0	0	0	200,000.	1,500.	49.	30.	0	0	2.8	0	0	0
Materials	0	0	510,000.	5,700.	500,000.	0	0	0	0	0	0	0	0	0	0
Waste/Services	0	0	0	0	0	0	0	0	0	0	6,300.	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0	3,300.	0	0	0
On-Site Total	***8,700,000.***	***2,200.***	***510,000.***	***5,700.***	***500,000.***	***200,000.***	***1,500.***	***49.***	***30.***	***0***	***6,300.***	***3,300.***	***0***	***0***	***0***
Level 2 - Transport.															
Energy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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
Transport. Total	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***
Level 3 - Off-Site															
Energy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***
Level 4 - Not Used															
Energy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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
#REF!	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***
Level 5 - Not Used															
Energy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***
Level 6 - Not Used															
Energy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***
Total	***8,700,000.***	***2,200.***	***510,000.***	***5,700.***	***500,000.***	***200,000.***	***1,500.***	***49.***	***30.***	***0***	***6,300.***	***3,300.***	***0***	***0***	***0***

	Totals For Parameters Used, Extracted, Emitted, or Generated Off-Site - Alternative 2														
	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 - On-Site															
Energy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***
Level 2 - Transport.															
Energy	13,000,000.	260.	0	0	0	1,900,000.	14,000.	440.	220.	0	0	27.	0	0	0
Materials	42,000.	3.7	27.	0	0	2,900.	3.1	25.	0.32	0.0033	0	0	0.015	0.00022	0.00000000017
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
Transport. Total	***13,000,000.***	***260.***	***27.***	***0***	***0***	***1,900,000.***	***14,000.***	***470.***	***220.***	***0.0033***	***0***	***27.***	***0.015***	***0.00022***	***0.00000000017***
Level 3 - Off-Site															
Energy	17,000,000.	130.	16,000.	0	0	1,800,000.	1,800.	15,000.	190.	2.	0	37.	0.0057	0.068	0.000000019
Materials	23,000,000.	800.	11,000.	0	0	5,700,000.	55,000.	40,000.	480.	5.6	0.014	26.	0.018	0.24	0.000056
Waste/Services	11,000,000.	600.	1,900.	0	0	2,900,000.	8,200.	4,800.	2,900.	0.29	0	260.	0.048	0.37	0.00000059
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Total	***51,000,000.***	***1,500.***	***29,000.***	***0***	***0***	***10,000,000.***	***65,000.***	***60,000.***	***3,600.***	***7.9***	***0.014***	***320.***	***0.072***	***0.68***	***0.000057***
Level 4 - Not Used															
Energy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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
#REF!	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***
Level 5 - Not Used															
Energy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***
Level 6 - Not Used															
Energy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***
Total	***64,000,000.***	***1,800.***	***29,000.***	***0***	***0***	***12,000,000.***	***79,000.***	***60,000.***	***3,800.***	***7.9***	***0.014***	***350.***	***0.087***	***0.68***	***0.000057***

	Totals for On-Site and Off-Site Parameters - Alternative 2														
	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 - On-Site															
Energy	8,700,000.	2,200.	0	0	0	200,000.	1,500.	49.	30.	0	0	2.8	0	0	0
Materials	0	0	510,000.	5,700.	500,000.	0	0	0	0	0	0	0	0	0	0
Waste/Services	0	0	0	0	0	0	0	0	0	0	6,300.	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0	3,300.	0	0	0
On-Site Total	***8,700,000.***	***2,200.***	***510,000.***	***5,700.***	***500,000.***	***200,000.***	***1,500.***	***49.***	***30.***	***0***	***6,300.***	***3,300.***	***0***	***0***	***0***
Level 2 - Transport.															
Energy	13,000,000.	260.	0	0	0	1,900,000.	14,000.	440.	220.	0	0	27.	0	0	0
Materials	42,000.	3.7	27.	0	0	2,900.	3.1	25.	0.32	0.0033	0	0	0.015	0.00022	0.00000000017
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
Transport. Total	***13,000,000.***	***260.***	***27.***	***0***	***0***	***1,900,000.***	***14,000.***	***470.***	***220.***	***0.0033***	***0***	***27.***	***0.015***	***0.00022***	***0.00000000017***
Level 3 - Off-Site															
Energy	17,000,000.	130.	16,000.	0	0	1,800,000.	1,800.	15,000.	190.	2.	0	37.	0.0057	0.068	0.000000019
Materials	23,000,000.	800.	11,000.	0	0	5,700,000.	55,000.	40,000.	480.	5.6	0.014	26.	0.018	0.24	0.000056
Waste/Services	11,000,000.	600.	1,900.	0	0	2,900,000.	8,200.	4,800.	2,900.	0.29	0	260.	0.048	0.37	0.00000059
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Total	***51,000,000.***	***1,500.***	***29,000.***	***0***	***0***	***10,000,000.***	***65,000.***	***60,000.***	***3,600.***	***7.9***	***0.014***	***320.***	***0.072***	***0.68***	***0.000057***
Level 4 - Not Used															
Energy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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
#REF!	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***
Level 5 - Not Used															
Energy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***
Level 6 - Not Used															
Energy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***
Total	***73,000,000.***	***4,000.***	***540,000.***	***5,700.***	***500,000.***	***12,000,000.***	***81,000.***	***61,000.***	***3,900.***	***7.9***	***6,300.***	***3,600.***	***0.087***	***0.68***	***0.000057***

	Percentages For Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 2														
	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 - On-Site															
Energy	100%	100%	0%	0%	0%	100%	100%	100%	100%	0%	0%	<1%	0%	0%	0%
Materials	0%	0%	100%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Waste/Services	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%
On-Site Total	***100%***	***100%***	***100%***	***100%***	***100%***	***100%***	***100%***	***100%***	***100%***	***0%***	***100%***	***100%***	***0%***	***0%***	***0%***
Level 2 - Transport.															
Energy	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Materials	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
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%
Transport. Total	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***
Level 3 - Off-Site															
Energy	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Materials	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
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	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***
Level 4 - Not Used															
Energy	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Materials	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
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	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***
Level 5 - Not Used															
Energy	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Materials	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
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	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***
Level 6 - Not Used															
Energy	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Materials	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
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	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***

	Percentages For Parameters Used, Extracted, Emitted, or Generated Off-Site - Alternative 2														
	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 - On-Site															
Energy	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Materials	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
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	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***
Level 2 - Transport.															
Energy	20%	15%	0%	0%	0%	16%	18%	<1%	6%	0%	0%	8%	0%	0%	0%
Materials	<1%	<1%	<1%	0%	0%	<1%	<1%	<1%	<1%	<1%	0%	0%	17%	<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%
Transport. Total	***20%***	***15%***	***<1%***	***0%***	***0%***	***16%***	***18%***	***<1%***	***6%***	***<1%***	***0%***	***8%***	***17%***	***<1%***	***<1%***
Level 3 - Off-Site															
Energy	27%	7%	55%	0%	0%	15%	2%	25%	5%	25%	0%	11%	7%	10%	<1%
Materials	36%	45%	38%	0%	0%	48%	70%	66%	13%	71%	100%	7%	21%	35%	98%
Waste/Services	17%	34%	7%	0%	0%	24%	10%	8%	76%	4%	0%	75%	55%	54%	1%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Off-Site Total	***80%***	***87%***	***100%***	***0%***	***0%***	***87%***	***82%***	***99%***	***93%***	***100%***	***100%***	***93%***	***82%***	***100%***	***99%***
Level 4 - Not Used															
Energy	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Materials	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
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	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***
Level 5 - Not Used															
Energy	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Materials	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
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	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***
Level 6 - Not Used															
Energy	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Materials	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
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	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***

	Percentages for Total On-Site and Off-Site Parameters - Alternative 2														
	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 - On-Site															
Energy	12%	56%	0%	0%	0%	2%	2%	<1%	<1%	0%	0%	<1%	0%	0%	0%
Materials	0%	0%	95%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Waste/Services	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	90%	0%	0%	0%
On-Site Total	***12%***	***56%***	***95%***	***100%***	***100%***	***2%***	***2%***	***<1%***	***<1%***	***0%***	***100%***	***90%***	***0%***	***0%***	***0%***
Level 2 - Transport.															
Energy	18%	7%	0%	0%	0%	16%	17%	<1%	6%	0%	0%	<1%	0%	0%	0%
Materials	<1%	<1%	<1%	0%	0%	<1%	<1%	<1%	<1%	<1%	0%	0%	17%	<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%
Transport. Total	***18%***	***7%***	***<1%***	***0%***	***0%***	***16%***	***17%***	***<1%***	***6%***	***<1%***	***0%***	***<1%***	***17%***	***<1%***	***<1%***
Level 3 - Off-Site															
Energy	23%	3%	3%	0%	0%	15%	2%	25%	5%	25%	0%	1%	7%	10%	<1%
Materials	32%	20%	2%	0%	0%	47%	68%	66%	12%	71%	<1%	<1%	21%	35%	98%
Waste/Services	15%	15%	<1%	0%	0%	24%	10%	8%	75%	4%	0%	7%	55%	54%	1%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Off-Site Total	***70%***	***39%***	***5%***	***0%***	***0%***	***86%***	***81%***	***99%***	***93%***	***100%***	***<1%***	***8%***	***82%***	***100%***	***99%***
Level 4 - Not Used															
Energy	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Materials	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
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	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***
Level 5 - Not Used															
Energy	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Materials	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
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	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***
Level 6 - Not Used															
Energy	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Materials	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
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	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***

			All Levels - Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 2																									
			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				***8,700,000.***		***2,200.***		***510,000.***		***5,700.***		***500,000.***		***200,000.***		***1,500.***		***49.***		***30.***		***0***		***6,300.***		***3,300.***		***0***		***0***		***0***
Energy																															
Diesel (on-site)	gal	8891	139	1,200,000.	0	0	0	0	0	0	0	0	22.5	200,000.	0.17	1,500.	0.0054	48.	0.0034	30.	0	0	0	0	0.0003	2.7	0	0	0	0	0	0
Gasoline (on-site use)	gal	237.6	124	29,000.	0	0	0	0	0	0	0	0	19.6	4,700.	0.11	26.	0.0045	1.1	0.0005	0.13	0	0	0	0	0.0003	0.071	0	0	0	0	0	0
Natural gas (on-site use)	ccf	0	103	0	0	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0.29	0	0	0	0	0	0	0
Diesel (off-site use)	gal	61837	0	0	0	0	0	0	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	25034	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site electricity use	MWh	2200	3413	7,500,000.	1	2,200.	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
Electricity transmission*	MWh	2200	0	0	0	0	0	0	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	2200	0	0	0	0	0	0	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				***8,700,000.***		***2,200.***		***0***		***0***		***0***		***200,000.***		***1,500.***		***49.***		***30.***		***0***		***0***		***2.8***		***0***		***0***		***0***
Materials																															
PVC	lb	8000	0	0	0	0	0	0	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	600	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Steel	lb	19400	0	0	0	0	0	0	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	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
Gravel/sand	ton	5648	0	0	0	0	0	0	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	71	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Concrete	tons	369	0	0	0	0	0	0	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	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Regenerated GAC	lbs	1566000	0	0	0	0	0	0	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	2162200	0	0	0	0	0	0	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	994100	0	0	0	0	0	0	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	70728	0	0	0	0	0	0	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	25271.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Groundwater Extracted On-site	gal x 1000	504599	0	0	0	0	1	500,000.	0	0	1	500,000.	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	5671	0	0	0	0	0	0	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	5671	0	0	0	0	0	0	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	5671	0	0	0	0	1	5,700.	1	5,700.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other On-Site Water Used	gal x 1000	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials Subtotal				***0***		***0***		***510,000.***		***5,700.***		***500,000.***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***
Waste and Other Services																															
Off-site waste water treatment	gal x 1000	505000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Generation	ton	6280	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6,300.	0	0	0	0	0	0	0	0
Hazardous Waste Disposal	ton	6280	0	0	0	0	0	0	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	$	919700	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste and Other Services Subtotal				***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***6,300.***		***0***		***0***		***0***		***0***
Other																															
On-site process emissions (HAPs)	lbs	3300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3,300.	0	0	0	0	0	0
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Subtotal				***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***3,300.***		***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 2																									
			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				***64,000,000.***		***1,800.***		***29,000.***		***0***		***0***		***12,000,000.***		***79,000.***		***60,000.***		***3,800.***		***7.9***		***0.014***		***350.***		***0.087***		***0.68***		***0.000057***
Energy																															
Diesel (on-site)	gal	8891	0	0	0	0	0	0	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	237.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural gas (on-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel (off-site use)	gal	61837	139	8,600,000.	0	0	0	0	0	0	0	0	22.5	1,400,000.	0.17	11,000.	0.0054	330.	0.0034	210.	0	0	0	0	0.0003	19.	0	0	0	0	0	0	0
Gasoline (off-site use)	gal	25034	124	3,100,000.	0	0	0	0	0	0	0	0	19.6	490,000.	0.11	2,800.	0.0045	110.	0.0005	14.	0	0	0	0	0.0003	7.5	0	0	0	0	0	0	0
Natural gas (off-site use)	ccf	0	103	0	0	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0.29	0	0	0	0	0	0	0	0
On-site electricity use	MWh	2200	0	0	0	0	0	0	0	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	2200	410	900,000.	0.12	260.	0	0	0	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	2200	7800	17,000,000.	0.06	130.	7.3	16,000.	0	0	0	0	800	1,800,000.	0.84	1,800.	6.7	15,000.	0.087	190.	0.0009	2.	0	0	0.017	37.	3E-06	0.0057	3E-05	0.068	9E-12	0.000000019
Energy Subtotal				***30,000,000.***		***390.***		***16,000.***		***0***		***0***		***3,700,000.***		***16,000.***		***15,000.***		***410.***		***2.***		***0***		***64.***		***0.0057***		***0.068***		***0.000000019***
Materials																																
PVC	lb	8000	22	180,000.	0.0006	4.5	0.0069	55.	0	0	0	0	4.1	33,000.	0.0048	38.	0.0076	61.	0.0012	9.6	2E-06	0.018	2E-06	0.013	0.0005	3.8	3E-07	0.0027	1E-07	0.001	7E-09	0.000055
HDPE	lb	600	31	19,000.	0.0003	0.15	0.0023	1.4	0	0	0	0	1.9	1,100.	0.0032	1.9	0.0041	2.5	0.0006	0.38	4E-07	0.00026	1E-06	0.0006	3E-06	0.002	3E-09	0.0000016	2E-09	0.0000014	1E-09	0.00000059
Steel	lb	19400	4.4	85,000.	0.0002	4.1	0.0006	12.	0	0	0	0	1.1	21,000.	0.0014	27.	0.0017	33.	0.0006	11.	0.0003	4.9	0	0	7E-05	1.3	1E-07	0.0019	3E-06	0.049	7E-12	0.00000013
Stainless Steel	lb	1000	11.6	12,000.	0.0006	0.56	0.0023	2.3	0	0	0	0	3.4	3,400.	0.0075	7.5	0.012	12.	0.0044	4.4	0.0006	0.62	0	0	0.0001	0.14	0	0	5E-07	0.00052	2E-12	0.0000000022
Gravel/sand	ton	5648	55	310,000.	0.0027	15.	0.13	730.	0	0	0	0	6.7	38,000.	0.033	190.	0.03	170.	0.004	23.	0	0	0	0	4E-07	0.0023	6E-11	0.00000036	1E-09	0.0000068	2E-16	0.000000000085
Cement Grout	dry-ton	71	4100	290,000.	0.13	9.2	0.41	29.	0	0	0	0	1800	130,000.	3.6	260.	2.1	150.	0.0063	0.45	0	0	0	0	0.058	4.1	6E-05	0.004	0.0001	0.0092	9E-11	0.000000006
Concrete	tons	369	793	290,000.	0.026	9.6	0.19	70.	0	0	0	0	335	120,000.	0.68	250.	0.41	150.	0.0044	1.6	3E-08	0.00001	0	0	0.011	4.1	1E-05	0.0037	2E-05	0.0089	2E-11	0.0000000059
Bentonite	ton	1	55	55.	0.0027	0.0027	0.13	0.13	0	0	0	0	6.7	6.7	0.033	0.033	0.03	0.03	0.004	0.004	0	0	0	0	4E-07	0.00000041	6E-11	0.0000000064	1E-09	0.0000000012	2E-16	0.000000000000015
Regenerated GAC	lbs	1566000	9.6	15,000,000.	0.0004	690.	0.0064	10,000.	0	0	0	0	2	3,100,000.	0.025	39,000.	0.015	23,000.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Molasses)	lbs	2162200	1.31	2,800,000.	5E-06	11.	9E-05	200.	0	0	0	0	0.4	860,000.	0.003	6,500.	0.0026	5,600.	6E-05	130.	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	994100	1.87	1,900,000.	0	0	0	0	0	0	0	0	1.1	1,100,000.	0.0083	8,300.	0.0099	9,800.	0.0002	170.	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	0	3.6	0	6E-05	0	2E-05	0	0	0	0	0	3.51	0	0.0265	0	0.031	0	0.0017	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Produced	gal	70728	18.5	1,300,000.	0.0006	42.	0.0008	54.	0	0	0	0	2.7	190,000.	0.0064	450.	0.013	920.	0.0003	24.	4E-07	0.025	0	0	0.0001	8.5	5E-08	0.0034	2E-06	0.11	3E-14	0.0000000021
Gasoline Produced	gal	25271.6	21	530,000.	0.0006	15.	0.0008	20.	0	0	0	0	4.4	110,000.	0.008	200.	0.019	480.	0.0005	13.	4E-07	0.011	0	0	0.0002	4.	9E-08	0.0021	2E-06	0.056	3E-14	0.00000000078
Natural Gas Produced	ccf	0	5.2	0	0.0003	0	8E-05	0	0	0	0	0	2.2	0	0.0037	0	0.0046	0	7E-05	0	0	0	0	0	6E-06	0	2E-08	0	9E-07	0	5E-14	0
Groundwater Extracted On-site	gal x 1000	504599	0	0	0	0	0	0	0	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	5671	9.2	52,000.	0.0004	2.5	0.021	120.	0	0	0	0	5	28,000.	0.0097	55.	0.0059	33.	0.016	91.	8E-07	0.0047	0	0	2E-05	0.085	8E-09	0.000047	7E-08	0.00038	1E-13	0.00000000057
Potable Water Transported	gal x 1000	5671	7.4	42,000.	0.0006	3.7	0.0047	27.	0	0	0	0	0.5168	2,900.	0.0005	3.1	0.0043	25.	6E-05	0.32	6E-07	0.0033	0	0	0	0	3E-06	0.015	4E-08	0.00022	3E-14	0.00000000017
Potable Water Used	gal x 1000	5671	0	0	0	0	0	0	0	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				***23,000,000.***		***810.***		***11,000.***		***0***		***0***		***5,700,000.***		***55,000.***		***40,000.***		***480.***		***5.6***		***0.014***		***26.***		***0.033***		***0.24***		***0.000056***
Waste and Other Services																																
Off-site waste water treatment	gal x 1000	505000	3.7	1,900,000.	0.0002	91.	0.0008	420.	0	0	0	0	3	1,500,000.	0.0061	3,100.	0.0029	1,500.	8E-05	40.	5E-07	0.23	0	0	0.0001	61.	8E-08	0.041	6E-07	0.32	1E-12	0.00000051
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	160	0	0.0077	0	0.15	0	0	0	0	0	25	0	0.14	0	0.075	0	0.4	0	8E-06	0	0	0	0.0014	0	1E-06	0	8E-06	0	1E-11	0
Hazardous Waste Generation	ton	6280	0	0	0	0	0	0	0	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	6280	176	1,100,000.	0.0085	53.	0.165	1,000.	0	0	0	0	27.5	170,000.	0.154	970.	0.0825	520.	0.44	2,800.	9E-06	0.055	0	0	0.0015	9.7	1E-06	0.0067	8E-06	0.053	1E-11	0.000000083
Laboratory Analysis	$	919700	8.8	8,100,000.	0.0005	460.	0.0006	520.	0	0	0	0	1.3	1,200,000.	0.0045	4,100.	0.003	2,800.	0.0001	100.	0	0	0	0	0.0002	190.	0	0	0	0	0	0	0
Waste and Other Services Subtotal				***11,000,000.***		***600.***		***1,900.***		***0***		***0***		***2,900,000.***		***8,200.***		***4,800.***		***2,900.***		***0.29***		***0***		***260.***		***0.048***		***0.37***		***0.00000059***
Other																																
On-site process emissions (HAPs)	lbs	3300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Subtotal				***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***

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

		Quantity Used	All Levels - Total On-Site and Off-Site Parameters - Alternative 2														
			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			***72,000,000.***	***4,000.***	***540,000.***	***5,700.***	***500,000.***	***13,000,000.***	***80,000.***	***60,000.***	***3,800.***	***7.9***	***6,300.***	***3,700.***	***0.087***	***0.68***	***0.000057***
Energy																	
Diesel (on-site)	gal	8891	1,200,000.	0	0	0	0	200,000.	1,500.	48.	30.	0	0	2.7	0	0	0
Gasoline (on-site use)	gal	237.6	29,000.	0	0	0	0	4,700.	26.	1.1	0.13	0	0	0.071	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	61837	8,600,000.	0	0	0	0	1,400,000.	11,000.	330.	210.	0	0	19.	0	0	0
Gasoline (off-site use)	gal	25034	3,100,000.	0	0	0	0	490,000.	2,800.	110.	14.	0	0	7.5	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	2200	7,500,000.	2,200.	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity transmission*	MWh	2200	900,000.	260.	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity production*	MWh	2200	17,000,000.	130.	16,000.	0	0	1,800,000.	1,800.	15,000.	190.	2.	0	37.	0.0057	0.068	0.0000000019
Energy Subtotal			***38,000,000.***	***2,600.***	***16,000.***	***0***	***0***	***3,900,000.***	***17,000.***	***15,000.***	***440.***	***2.***	***0***	***66.***	***0.0057***	***0.068***	***0.000000019***
Materials																	
PVC	lb	8000	180,000.	4.5	55.	0	0	33,000.	38.	61.	9.6	0.018	0.013	3.8	0.0027	0.001	0.000055
HDPE	lb	600	19,000.	0.15	1.4	0	0	1,100.	1.9	2.5	0.38	0.00026	0.0006	0.002	0.0000016	0.0000014	0.00000059
Steel	lb	19400	85,000.	4.1	12.	0	0	21,000.	27.	33.	11.	4.9	0	1.3	0.0019	0.049	0.00000013
Stainless Steel	lb	1000	12,000.	0.56	2.3	0	0	3,400.	7.5	12.	4.4	0.62	0	0.14	0	0.00052	0.00000022
Gravel/sand	ton	5648	310,000.	15.	730.	0	0	38,000.	190.	170.	23.	0	0	0.0023	0.00000036	0.0000068	0.000000000000085
Cement Grout	dry-ton	71	290,000.	9.2	29.	0	0	130,000.	260.	150.	0.45	0	0	4.1	0.004	0.0092	0.000000006
Concrete	tons	369	290,000.	9.6	70.	0	0	120,000.	250.	150.	1.6	0.00001	0	4.1	0.0037	0.0089	0.00000000059
Bentonite	ton	1	55.	0.0027	0.13	0	0	6.7	0.033	0.03	0.004	0	0	0.00000041	0.000000000064	0.0000000012	0.000000000000000015
Regenerated GAC	lbs	1566000	15,000,000.	690.	10,000.	0	0	3,100,000.	39,000.	23,000.	0	0	0	0	0	0	0
Bioinjection (Molasses)	lbs	2162200	2,800,000.	11.	200.	0	0	860,000.	6,500.	5,600.	130.	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	994100	1,900,000.	0	0	0	0	1,100,000.	8,300.	9,800.	170.	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	70728	1,300,000.	42.	54.	0	0	190,000.	450.	920.	24.	0.025	0	8.5	0.0034	0.11	0.0000000021
Gasoline Produced	gal	25271.6	530,000.	15.	20.	0	0	110,000.	200.	480.	13.	0.011	0	4.	0.0021	0.056	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	504599	0	0	500,000.	0	500,000.	0	0	0	0	0	0	0	0	0	0
Potable Water Produced	gal x 1000	5671	52,000.	2.5	120.	0	0	28,000.	55.	33.	91.	0.0047	0	0.085	0.000047	0.00038	0.00000000057
Potable Water Transported	gal x 1000	5671	42,000.	3.7	27.	0	0	2,900.	3.1	25.	0.32	0.0033	0	0	0.015	0.00022	0.00000000017
Potable Water Used	gal x 1000	5671	0	0	5,700.	5,700.	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			***23,000,000.***	***810.***	***520,000.***	***5,700.***	***500,000.***	***5,700,000.***	***55,000.***	***40,000.***	***480.***	***5.6***	***0.014***	***26.***	***0.033***	***0.24***	***0.000056***
Waste and Other Services																	
Off-site waste water treatment	gal x 1000	505000	1,900,000.	91.	420.	0	0	1,500,000.	3,100.	1,500.	40.	0.23	0	61.	0.041	0.32	0.00000051
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	6280	0	0	0	0	0	0	0	0	0	0	6,300.	0	0	0	0
Hazardous Waste Disposal	ton	6280	1,100,000.	53.	1,000.	0	0	170,000.	970.	520.	2,800.	0.055	0	9.7	0.0067	0.053	0.000000083
Laboratory Analysis	$	919700	8,100,000.	460.	520.	0	0	1,200,000.	4,100.	2,800.	100.	0	0	190.	0	0	0
Waste and Other Services Subtotal			***11,000,000.***	***600.***	***1,900.***	***0***	***0***	***2,900,000.***	***8,200.***	***4,800.***	***2,900.***	***0.29***	***6,300.***	***260.***	***0.048***	***0.37***	***0.00000059***
Other																	
On-site process emissions (HAPs)	lbs	3300	0	0	0	0	0	0	0	0	0	0	0	3,300.	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***	***3,300.***	***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 (On-Site) Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 2																									
			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				***8,700,000.***		***2,200.***		***510,000.***		***5,700.***		***500,000.***		***200,000.***		***1,500.***		***49.***		***30.***		***0***		***6,300.***		***3,300.***		***0***		***0***		***0***
Energy																																
Diesel (on-site)	gal	8891	139	1,200,000.	0	0	0	0	0	0	0	0	22.5	200,000.	0.17	1,500.	0.0054	48.	0.0034	30.	0	0	0	0	0.0003	2.7	0	0	0	0	0	0
Gasoline (on-site use)	gal	237.6	124	29,000.	0	0	0	0	0	0	0	0	19.6	4,700.	0.11	26.	0.0045	1.1	0.0005	0.13	0	0	0	0	0.0003	0.071	0	0	0	0	0	0
Natural gas (on-site use)	ccf	0	103	0	0	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0.29	0	0	0	0	0	0	0
Diesel (off-site use)	gal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gasoline (off-site use)	gal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site electricity use	MWh	2200	3413	7,500,000.	1	2,200.	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
Electricity transmission*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity production*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Energy Subtotal				***8,700,000.***		***2,200.***		***0***		***0***		***0***		***200,000.***		***1,500.***		***49.***		***30.***		***0***		***0***		***2.8***		***0***		***0***		***0***
Materials																																
PVC	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gravel/sand	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cement Grout	dry-ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Concrete	tons	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bentonite	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Produced	gal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gasoline Produced	gal	0	0	0	0	0	0	0	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	504599	0	0	0	0	1	500,000.	0	0	1	500,000.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Produced	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Transported	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Used	gal x 1000	5671	0	0	0	0	1	5,700.	1	5,700.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other On-Site Water Used	gal x 1000	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials Subtotal				***0***		***0***		***510,000.***		***5,700.***		***500,000.***		***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	0
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Generation	ton	6280	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6,300.	0	0	0	0	0	0	0	0
Hazardous Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Laboratory Analysis	$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste and Other Services Subtotal				***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***6,300.***		***0***		***0***		***0***		***0***
Other																																
On-site process emissions (HAPs)	lbs	3300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3,300.	0	0	0	0	0	0
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Subtotal				***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***3,300.***		***0***		***0***		***0***

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

		Quantity Used	Level 1 (On-Site) Parameters Used, Extracted, Emitted, or Generated Off-Site - Alternative 2																									
			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				***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***	***0***
Energy																															
Diesel (on-site)	gal	8891	0	0	0	0	0	0	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	237.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural gas (on-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel (off-site use)	gal	0	139	0	0	0	0	0	0	0	0	0	22.5	0	0.17	0	0.0054	0	0.0034	0	0	0	0	0	0.0003	0	0	0	0	0	0	0
Gasoline (off-site use)	gal	0	124	0	0	0	0	0	0	0	0	0	19.6	0	0.11	0	0.0045	0	0.0005	0	0	0	0	0	0.0003	0	0	0	0	0	0	0
Natural gas (off-site use)	ccf	0	103	0	0	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0.29	0	0	0	0	0	0	0
On-site electricity use	MWh	2200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity transmission*	MWh	0	410	0	0.12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity production*	MWh	0	7800	0	0.06	0	7.3	0	0	0	0	0	800	0	0.84	0	6.7	0	0.087	0	0.0009	0	0	0	0.017	0	3E-06	0	3E-05	0	9E-12	0
Energy Subtotal				***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***	***0***
Materials																															
PVC	lb	0	22	0	0.0006	0	0.0069	0	0	0	0	0	4.1	0	0.0048	0	0.0076	0	0.0012	0	2E-06	0	2E-06	0	0.0005	0	3E-07	0	1E-07	0	7E-09	0
HDPE	lb	0	31	0	0.0003	0	0.0023	0	0	0	0	0	1.9	0	0.0032	0	0.0041	0	0.0006	0	4E-07	0	1E-06	0	3E-06	0	3E-09	0	2E-09	0	1E-09	0
Steel	lb	0	4.4	0	0.0002	0	0.0006	0	0	0	0	0	1.1	0	0.0014	0	0.0017	0	0.0006	0	0.0003	0	0	0	7E-05	0	1E-07	0	3E-06	0	7E-12	0
Stainless Steel	lb	0	11.6	0	0.0006	0	0.0023	0	0	0	0	0	3.4	0	0.0075	0	0.012	0	0.0044	0	0.0006	0	0	0	0.0001	0	0	0	5E-07	0	2E-12	0
Gravel/sand	ton	0	55	0	0.0027	0	0.13	0	0	0	0	0	6.7	0	0.033	0	0.03	0	0.004	0	0	0	0	0	4E-07	0	6E-11	0	1E-09	0	2E-16	0
Cement Grout	dry-ton	0	4100	0	0.13	0	0.41	0	0	0	0	0	1800	0	3.6	0	2.1	0	0.0063	0	0	0	0	0	0.058	0	6E-05	0	0.0001	0	9E-11	0
Concrete	tons	0	793	0	0.026	0	0.19	0	0	0	0	0	335	0	0.68	0	0.41	0	0.0044	0	3E-08	0	0	0	0.011	0	1E-05	0	2E-05	0	2E-11	0
Bentonite	ton	0	55	0	0.0027	0	0.13	0	0	0	0	0	6.7	0	0.033	0	0.03	0	0.004	0	0	0	0	0	4E-07	0	6E-11	0	1E-09	0	2E-16	0
Regenerated GAC	lbs	0	9.6	0	0.0004	0	0.0064	0	0	0	0	0	2	0	0.025	0	0.015	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Molasses)	lbs	0	1.31	0	5E-06	0	9E-05	0	0	0	0	0	0.4	0	0.003	0	0.0026	0	6E-05	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	0	1.87	0	0	0	0	0	0	0	0	0	1.1	0	0.0083	0	0.0099	0	0.0002	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	0	3.6	0	6E-05	0	2E-05	0	0	0	0	0	3.51	0	0.0265	0	0.031	0	0.0017	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Produced	gal	0	18.5	0	0.0006	0	0.0008	0	0	0	0	0	2.7	0	0.0064	0	0.013	0	0.0003	0	4E-07	0	0	0	0.0001	0	5E-08	0	2E-06	0	3E-14	0
Gasoline Produced	gal	0	21	0	0.0006	0	0.0008	0	0	0	0	0	4.4	0	0.008	0	0.019	0	0.0005	0	4E-07	0	0	0	0.0002	0	9E-08	0	2E-06	0	3E-14	0
Natural Gas Produced	ccf	0	5.2	0	0.0003	0	8E-05	0	0	0	0	0	2.2	0	0.0037	0	0.0046	0	7E-05	0	0	0	0	0	6E-06	0	2E-08	0	9E-07	0	5E-14	0
Groundwater Extracted On-site	gal x 1000	504599	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Produced	gal x 1000	0	9.2	0	0.0004	0	0.021	0	0	0	0	0	5	0	0.0097	0	0.0059	0	0.016	0	8E-07	0	0	0	2E-05	0	8E-09	0	7E-08	0	1E-13	0
Potable Water Transported	gal x 1000	0	7.4	0	0.0006	0	0.0047	0	0	0	0	0	0.5168	0	0.0005	0	0.0043	0	6E-05	0	6E-07	0	0	0	0	0	3E-06	0	4E-08	0	3E-14	0
Potable Water Used	gal x 1000	5671	0	0	0	0	0	0	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				***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	3.7	0	0.0002	0	0.0008	0	0	0	0	0	3	0	0.0061	0	0.0029	0	8E-05	0	5E-07	0	0	0	0.0001	0	8E-08	0	6E-07	0	1E-12	0
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	160	0	0.0077	0	0.15	0	0	0	0	0	25	0	0.14	0	0.075	0	0.4	0	8E-06	0	0	0	0.0014	0	1E-06	0	8E-06	0	1E-11	0
Hazardous Waste Generation	ton	6280	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Disposal	ton	0	176	0	0.0085	0	0.165	0	0	0	0	0	27.5	0	0.154	0	0.0825	0	0.44	0	9E-06	0	0	0	0.0015	0	1E-06	0	8E-06	0	1E-11	0
Laboratory Analysis	$	0	8.8	0	0.0005	0	0.0006	0	0	0	0	0	1.3	0	0.0045	0	0.003	0	0.0001	0	0	0	0	0	0.0002	0	0	0	0	0	0	0
Waste and Other Services Subtotal				***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***	***0***
Other																															
On-site process emissions (HAPs)	lbs	3300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Subtotal				***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***	***0***

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

		Quantity Used	Level 1 (On-Site) Total On-Site and Off-Site Parameters - Alternative 2														
			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			***8,700,000.***	***2,200.***	***510,000.***	***5,700.***	***500,000.***	***200,000.***	***1,500.***	***49.***	***30.***	***0***	***6,300.***	***3,300.***	***0***	***0***	***0***
Energy																	
Diesel (on-site)	gal	8891	1,200,000.	0	0	0	0	200,000.	1,500.	48.	30.	0	0	2.7	0	0	0
Gasoline (on-site use)	gal	237.6	29,000.	0	0	0	0	4,700.	26.	1.1	0.13	0	0	0.071	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	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
On-site electricity use	MWh	2200	7,500,000.	2,200.	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			***8,700,000.***	***2,200.***	***0***	***0***	***0***	***200,000.***	***1,500.***	***49.***	***30.***	***0***	***0***	***2.8***	***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	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
Groundwater Extracted On-site	gal x 1000	504599	0	0	500,000.	0	500,000.	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	5671	0	0	5,700.	5,700.	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			***0***	***0***	***510,000.***	***5,700.***	***500,000.***	***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
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	6280	0	0	0	0	0	0	0	0	0	0	6,300.	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***	***6,300.***	***0***	***0***	***0***	***0***
Other																	
On-site process emissions (HAPs)	lbs	3300	0	0	0	0	0	0	0	0	0	0	0	3,300.	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***	***3,300.***	***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 (Transport.) Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 2																									
			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				***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	0	22.5	0	0.17	0	0.0054	0	0.0034	0	0	0	0	0	0.0003	0	0	0	0	0	0	0
Gasoline (on-site use)	gal	0	124	0	0	0	0	0	0	0	0	0	19.6	0	0.11	0	0.0045	0	0.0005	0	0	0	0	0	0.0003	0	0	0	0	0	0	0
Natural gas (on-site use)	ccf	0	103	0	0	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0.29	0	0	0	0	0	0	0
Diesel (off-site use)	gal	61837	0	0	0	0	0	0	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	25034	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site electricity use	MWh	0	3413	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity transmission*	MWh	2200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity production*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Energy Subtotal				***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	0
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gravel/sand	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cement Grout	dry-ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Concrete	tons	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bentonite	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Produced	gal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gasoline Produced	gal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Groundwater Extracted On-site	gal x 1000	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Produced	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Transported	gal x 1000	5671	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Used	gal x 1000	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other On-Site Water Used	gal x 1000	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials Subtotal				***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***
Waste and Other Services																																
Off-site waste water treatment	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Hazardous Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Laboratory Analysis	$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste and Other Services Subtotal				***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***
Other																																
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Subtotal				***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***

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

		Quantity Used	Level 2 (Transport.) Parameters Used, Extracted, Emitted, or Generated Off-Site - Alternative 2																									
			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				***13,000,000.***		***260.***		***27.***		***0***		***0***		***1,900,000.***		***14,000.***		***470.***		***220.***		***0.0033***		***0***		***27.***		***0.015***		***0.00022***		***0.00000000017***
Energy																																
Diesel (on-site)	gal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gasoline (on-site use)	gal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural gas (on-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel (off-site use)	gal	61837	139	8,600,000.	0	0	0	0	0	0	0	0	22.5	1,400,000.	0.17	11,000.	0.0054	330.	0.0034	210.	0	0	0	0	0.0003	19.	0	0	0	0	0	0	0
Gasoline (off-site use)	gal	25034	124	3,100,000.	0	0	0	0	0	0	0	0	19.6	490,000.	0.11	2,800.	0.0045	110.	0.0005	14.	0	0	0	0	0.0003	7.5	0	0	0	0	0	0	0
Natural gas (off-site use)	ccf	0	103	0	0	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0.29	0	0	0	0	0	0	0	0
On-site electricity use	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity transmission*	MWh	2200	410	900,000.	0.12	260.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity production*	MWh	0	7800	0	0.06	0	7.3	0	0	0	0	0	800	0	0.84	0	6.7	0	0.087	0	0.0009	0	0	0	0.017	0	3E-06	0	3E-05	0	9E-12	0
Energy Subtotal				***13,000,000.***		***260.***		***0***		***0***		***0***		***1,900,000.***		***14,000.***		***440.***		***220.***		***0***		***0***		***27.***		***0***		***0***		***0***
Materials																																
PVC	lb	0	22	0	0.0006	0	0.0069	0	0	0	0	0	4.1	0	0.0048	0	0.0076	0	0.0012	0	2E-06	0	2E-06	0	0.0005	0	3E-07	0	1E-07	0	7E-09	0
HDPE	lb	0	31	0	0.0003	0	0.0023	0	0	0	0	0	1.9	0	0.0032	0	0.0041	0	0.0006	0	4E-07	0	1E-06	0	3E-06	0	3E-09	0	2E-09	0	1E-09	0
Steel	lb	0	4.4	0	0.0002	0	0.0006	0	0	0	0	0	1.1	0	0.0014	0	0.0017	0	0.0006	0	0.0003	0	0	0	7E-05	0	1E-07	0	3E-06	0	7E-12	0
Stainless Steel	lb	0	11.6	0	0.0006	0	0.0023	0	0	0	0	0	3.4	0	0.0075	0	0.012	0	0.0044	0	0.0006	0	0	0	0.0001	0	0	0	5E-07	0	2E-12	0
Gravel/sand	ton	0	55	0	0.0027	0	0.13	0	0	0	0	0	6.7	0	0.033	0	0.03	0	0.004	0	0	0	0	0	4E-07	0	6E-11	0	1E-09	0	2E-16	0
Cement Grout	dry-ton	0	4100	0	0.13	0	0.41	0	0	0	0	0	1800	0	3.6	0	2.1	0	0.0063	0	0	0	0	0	0.058	0	6E-05	0	0.0001	0	9E-11	0
Concrete	tons	0	793	0	0.026	0	0.19	0	0	0	0	0	335	0	0.68	0	0.41	0	0.0044	0	3E-08	0	0	0	0.011	0	1E-05	0	2E-05	0	2E-11	0
Bentonite	ton	0	55	0	0.0027	0	0.13	0	0	0	0	0	6.7	0	0.033	0	0.03	0	0.004	0	0	0	0	0	4E-07	0	6E-11	0	1E-09	0	2E-16	0
Regenerated GAC	lbs	0	9.6	0	0.0004	0	0.0064	0	0	0	0	0	2	0	0.025	0	0.015	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Molasses)	lbs	0	1.31	0	5E-06	0	9E-05	0	0	0	0	0	0.4	0	0.003	0	0.0026	0	6E-05	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	0	1.87	0	0	0	0	0	0	0	0	0	1.1	0	0.0083	0	0.0099	0	0.0002	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	0	3.6	0	6E-05	0	2E-05	0	0	0	0	0	3.51	0	0.0265	0	0.031	0	0.0017	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Produced	gal	0	18.5	0	0.0006	0	0.0008	0	0	0	0	0	2.7	0	0.0064	0	0.013	0	0.0003	0	4E-07	0	0	0	0.0001	0	5E-08	0	2E-06	0	3E-14	0
Gasoline Produced	gal	0	21	0	0.0006	0	0.0008	0	0	0	0	0	4.4	0	0.008	0	0.019	0	0.0005	0	4E-07	0	0	0	0.0002	0	9E-08	0	2E-06	0	3E-14	0
Natural Gas Produced	ccf	0	5.2	0	0.0003	0	8E-05	0	0	0	0	0	2.2	0	0.0037	0	0.0046	0	7E-05	0	0	0	0	0	6E-06	0	2E-08	0	9E-07	0	5E-14	0
Groundwater Extracted On-site	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Produced	gal x 1000	0	9.2	0	0.0004	0	0.021	0	0	0	0	0	5	0	0.0097	0	0.0059	0	0.016	0	8E-07	0	0	0	2E-05	0	8E-09	0	7E-08	0	1E-13	0
Potable Water Transported	gal x 1000	5671	7.4	42,000.	0.0006	3.7	0.0047	27.	0	0	0	0	0.5168	2,900.	0.0005	3.1	0.0043	25.	6E-05	0.32	6E-07	0.0033	0	0	0	0	3E-06	0.015	4E-08	0.00022	3E-14	0.00000000017
Potable Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other On-Site Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials Subtotal				***42,000.***		***3.7***		***27.***		***0***		***0***		***2,900.***		***3.1***		***25.***		***0.32***		***0.0033***		***0***		***0***		***0.015***		***0.00022***		***0.00000000017***
Waste and Other Services																																
Off-site waste water treatment	gal x 1000	0	3.7	0	0.0002	0	0.0008	0	0	0	0	0	3	0	0.0061	0	0.0029	0	8E-05	0	5E-07	0	0	0	0.0001	0	8E-08	0	6E-07	0	1E-12	0
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	160	0	0.0077	0	0.15	0	0	0	0	0	25	0	0.14	0	0.075	0	0.4	0	8E-06	0	0	0	0.0014	0	1E-06	0	8E-06	0	1E-11	0
Hazardous Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Disposal	ton	0	176	0	0.0085	0	0.165	0	0	0	0	0	27.5	0	0.154	0	0.0825	0	0.44	0	9E-06	0	0	0	0.0015	0	1E-06	0	8E-06	0	1E-11	0
Laboratory Analysis	$	0	8.8	0	0.0005	0	0.0006	0	0	0	0	0	1.3	0	0.0045	0	0.003	0	0.0001	0	0	0	0	0	0.0002	0	0	0	0	0	0	0
Waste and Other Services Subtotal				***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***
Other																																
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Subtotal				***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***

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

		Quantity Used	Level 2 (Transport.) Total On-Site and Off-Site Parameters - Alternative 2														
			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.***	***260.***	***27.***	***0***	***0***	***1,900,000.***	***14,000.***	***470.***	***220.***	***0.0033***	***0***	***27.***	***0.015***	***0.00022***	***0.00000000017***
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	61837	8,600,000.	0	0	0	0	1,400,000.	11,000.	330.	210.	0	0	19.	0	0	0
Gasoline (off-site use)	gal	25034	3,100,000.	0	0	0	0	490,000.	2,800.	110.	14.	0	0	7.5	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	2200	900,000.	260.	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			***13,000,000.***	***260.***	***0***	***0***	***0***	***1,900,000.***	***14,000.***	***440.***	***220.***	***0***	***0***	***27.***	***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	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
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	5671	42,000.	3.7	27.	0	0	2,900.	3.1	25.	0.32	0.0033	0	0	0.015	0.00022	0.00000000017
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			***42,000.***	***3.7***	***27.***	***0***	***0***	***2,900.***	***3.1***	***25.***	***0.32***	***0.0033***	***0***	***0***	***0.015***	***0.00022***	***0.00000000017***
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 3 (Off-Site) Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 2																									
			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				***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	0	22.5	0	0.17	0	0.0054	0	0.0034	0	0	0	0	0	0.0003	0	0	0	0	0	0	0
Gasoline (on-site use)	gal	0	124	0	0	0	0	0	0	0	0	0	19.6	0	0.11	0	0.0045	0	0.0005	0	0	0	0	0	0.0003	0	0	0	0	0	0	0
Natural gas (on-site use)	ccf	0	103	0	0	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0.29	0	0	0	0	0	0	0
Diesel (off-site use)	gal	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site electricity use	MWh	0	3413	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity transmission*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity production*	MWh	2200	0	0	0	0	0	0	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				***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***
Materials																																
PVC	lb	8000	0	0	0	0	0	0	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	600	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Steel	lb	19400	0	0	0	0	0	0	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	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
Gravel/sand	ton	5648	0	0	0	0	0	0	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	71	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Concrete	tons	369	0	0	0	0	0	0	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	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Regenerated GAC	lbs	1566000	0	0	0	0	0	0	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	2162200	0	0	0	0	0	0	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	994100	0	0	0	0	0	0	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	70728	0	0	0	0	0	0	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	25271.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Groundwater Extracted On-site	gal x 1000	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Produced	gal x 1000	5671	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Transported	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Used	gal x 1000	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other On-Site Water Used	gal x 1000	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials Subtotal				***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***
Waste and Other Services																																
Off-site waste water treatment	gal x 1000	505000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Hazardous Waste Disposal	ton	6280	0	0	0	0	0	0	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	$	919700	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste and Other Services Subtotal				***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***
Other																																
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Subtotal				***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***

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

		Quantity Used	Level 3 (Off-Site) Parameters Used, Extracted, Emitted, or Generated Off-Site - Alternative 2																									
			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				***51,000,000.***		***1,500.***		***29,000.***		***0***		***0***		***10,000,000.***		***65,000.***		***60,000.***		***3,600.***		***7.9***		***0.014***		***320.***		***0.072***		***0.68***		***0.000057***
Energy																																
Diesel (on-site)	gal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gasoline (on-site use)	gal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural gas (on-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel (off-site use)	gal	0	139	0	0	0	0	0	0	0	0	0	22.5	0	0.17	0	0.0054	0	0.0034	0	0	0	0	0	0.0003	0	0	0	0	0	0	0
Gasoline (off-site use)	gal	0	124	0	0	0	0	0	0	0	0	0	19.6	0	0.11	0	0.0045	0	0.0005	0	0	0	0	0	0.0003	0	0	0	0	0	0	0
Natural gas (off-site use)	ccf	0	103	0	0	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0.29	0	0	0	0	0	0	0
On-site electricity use	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity transmission*	MWh	0	410	0	0.12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity production*	MWh	2200	7800	17,000,000.	0.06	130.	7.3	16,000.	0	0	0	0	800	1,800,000.	0.84	1,800.	6.7	15,000.	0.087	190.	0.0009	2.	0	0	0.017	37.	3E-06	0.0057	3E-05	0.068	9E-12	0.000000019
Energy Subtotal				***17,000,000.***		***130.***		***16,000.***		***0***		***0***		***1,800,000.***		***1,800.***		***15,000.***		***190.***		***2.***		***0***		***37.***		***0.0057***		***0.068***		***0.000000019***
Materials																																
PVC	lb	8000	22	180,000.	0.0006	4.5	0.0069	55.	0	0	0	0	4.1	33,000.	0.0048	38.	0.0076	61.	0.0012	9.6	2E-06	0.018	2E-06	0.013	0.0005	3.8	3E-07	0.0027	1E-07	0.001	7E-09	0.000055
HDPE	lb	600	31	19,000.	0.0003	0.15	0.0023	1.4	0	0	0	0	1.9	1,100.	0.0032	1.9	0.0041	2.5	0.0006	0.38	4E-07	0.00026	1E-06	0.0006	3E-06	0.002	3E-09	0.0000016	2E-09	0.0000014	1E-09	0.00000059
Steel	lb	19400	4.4	85,000.	0.0002	4.1	0.0006	12.	0	0	0	0	1.1	21,000.	0.0014	27.	0.0017	33.	0.0006	11.	0.0003	4.9	0	0	7E-05	1.3	1E-07	0.0019	3E-06	0.049	7E-12	0.00000013
Stainless Steel	lb	1000	11.6	12,000.	0.0006	0.56	0.0023	2.3	0	0	0	0	3.4	3,400.	0.0075	7.5	0.012	12.	0.0044	4.4	0.0006	0.62	0	0	0.0001	0.14	0	0	5E-07	0.00052	2E-12	0.0000000022
Gravel/sand	ton	5648	55	310,000.	0.0027	15.	0.13	730.	0	0	0	0	6.7	38,000.	0.033	190.	0.03	170.	0.004	23.	0	0	0	0	4E-07	0.0023	6E-11	0.00000036	1E-09	0.0000068	2E-16	0.000000000085
Cement Grout	dry-ton	71	4100	290,000.	0.13	9.2	0.41	29.	0	0	0	0	1800	130,000.	3.6	260.	2.1	150.	0.0063	0.45	0	0	0	0	0.058	4.1	6E-05	0.004	0.0001	0.0092	9E-11	0.000000006
Concrete	tons	369	793	290,000.	0.026	9.6	0.19	70.	0	0	0	0	335	120,000.	0.68	250.	0.41	150.	0.0044	1.6	3E-08	0.00001	0	0	0.011	4.1	1E-05	0.0037	2E-05	0.0089	2E-11	0.0000000059
Bentonite	ton	1	55	55.	0.0027	0.0027	0.13	0.13	0	0	0	0	6.7	6.7	0.033	0.033	0.03	0.03	0.004	0.004	0	0	0	0	4E-07	0.00000041	6E-11	0.0000000064	1E-09	0.0000000012	2E-16	0.000000000000015
Regenerated GAC	lbs	1566000	9.6	15,000,000.	0.0004	690.	0.0064	10,000.	0	0	0	0	2	3,100,000.	0.025	39,000.	0.015	23,000.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Molasses)	lbs	2162200	1.31	2,800,000.	5E-06	11.	9E-05	200.	0	0	0	0	0.4	860,000.	0.003	6,500.	0.0026	5,600.	6E-05	130.	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	994100	1.87	1,900,000.	0	0	0	0	0	0	0	0	1.1	1,100,000.	0.0083	8,300.	0.0099	9,800.	0.0002	170.	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	0	3.6	0	6E-05	0	2E-05	0	0	0	0	0	3.51	0	0.0265	0	0.031	0	0.0017	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Produced	gal	70728	18.5	1,300,000.	0.0006	42.	0.0008	54.	0	0	0	0	2.7	190,000.	0.0064	450.	0.013	920.	0.0003	24.	4E-07	0.025	0	0	0.0001	8.5	5E-08	0.0034	2E-06	0.11	3E-14	0.0000000021
Gasoline Produced	gal	25271.6	21	530,000.	0.0006	15.	0.0008	20.	0	0	0	0	4.4	110,000.	0.008	200.	0.019	480.	0.0005	13.	4E-07	0.011	0	0	0.0002	4.	9E-08	0.0021	2E-06	0.056	3E-14	0.00000000078
Natural Gas Produced	ccf	0	5.2	0	0.0003	0	8E-05	0	0	0	0	0	2.2	0	0.0037	0	0.0046	0	7E-05	0	0	0	0	0	6E-06	0	2E-08	0	9E-07	0	5E-14	0
Groundwater Extracted On-site	gal x 1000	0	0	0	0	0	0	0	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	5671	9.2	52,000.	0.0004	2.5	0.021	120.	0	0	0	0	5	28,000.	0.0097	55.	0.0059	33.	0.016	91.	8E-07	0.0047	0	0	2E-05	0.085	8E-09	0.000047	7E-08	0.00038	1E-13	0.00000000057
Potable Water Transported	gal x 1000	0	7.4	0	0.0006	0	0.0047	0	0	0	0	0	0.5168	0	0.0005	0	0.0043	0	6E-05	0	6E-07	0	0	0	0	0	3E-06	0	4E-08	0	3E-14	0
Potable Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other On-Site Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials Subtotal				***23,000,000.***		***800.***		***11,000.***		***0***		***0***		***5,700,000.***		***55,000.***		***40,000.***		***480.***		***5.6***		***0.014***		***26.***		***0.018***		***0.24***		***0.000056***
Waste and Other Services																																
Off-site waste water treatment	gal x 1000	505000	3.7	1,900,000.	0.0002	91.	0.0008	420.	0	0	0	0	3	1,500,000.	0.0061	3,100.	0.0029	1,500.	8E-05	40.	5E-07	0.23	0	0	0.0001	61.	8E-08	0.041	6E-07	0.32	1E-12	0.00000051
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	160	0	0.0077	0	0.15	0	0	0	0	0	25	0	0.14	0	0.075	0	0.4	0	8E-06	0	0	0	0.0014	0	1E-06	0	8E-06	0	1E-11	0
Hazardous Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Disposal	ton	6280	176	1,100,000.	0.0085	53.	0.165	1,000.	0	0	0	0	27.5	170,000.	0.154	970.	0.0825	520.	0.44	2,800.	9E-06	0.055	0	0	0.0015	9.7	1E-06	0.0067	8E-06	0.053	1E-11	0.000000083
Laboratory Analysis	$	919700	8.8	8,100,000.	0.0005	460.	0.0006	520.	0	0	0	0	1.3	1,200,000.	0.0045	4,100.	0.003	2,800.	0.0001	100.	0	0	0	0	0.0002	190.	0	0	0	0	0	0
Waste and Other Services Subtotal				***11,000,000.***		***600.***		***1,900.***		***0***		***0***		***2,900,000.***		***8,200.***		***4,800.***		***2,900.***		***0.29***		***0***		***260.***		***0.048***		***0.37***		***0.00000059***
Other																																
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Subtotal				***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***

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

		Quantity Used	Level 3 (Off-Site) Total On-Site and Off-Site Parameters - Alternative 2														
			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			***51,000,000.***	***1,500.***	***29,000.***	***0***	***0***	***10,000,000.***	***65,000.***	***60,000.***	***3,600.***	***7.9***	***0.014***	***320.***	***0.072***	***0.68***	***0.000057***
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gasoline (off-site use)	gal	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
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	2200	17,000,000.	130.	16,000.	0	0	1,800,000.	1,800.	15,000.	190.	2.	0	37.	0.0057	0.068	0.0000000019
Energy Subtotal			***17,000,000.***	***130.***	***16,000.***	***0***	***0***	***1,800,000.***	***1,800.***	***15,000.***	***190.***	***2.***	***0***	***37.***	***0.0057***	***0.068***	***0.000000019***
Materials																	
PVC	lb	8000	180,000.	4.5	55.	0	0	33,000.	38.	61.	9.6	0.018	0.013	3.8	0.0027	0.001	0.000055
HDPE	lb	600	19,000.	0.15	1.4	0	0	1,100.	1.9	2.5	0.38	0.00026	0.0006	0.002	0.0000016	0.0000014	0.00000059
Steel	lb	19400	85,000.	4.1	12.	0	0	21,000.	27.	33.	11.	4.9	0	1.3	0.0019	0.049	0.00000013
Stainless Steel	lb	1000	12,000.	0.56	2.3	0	0	3,400.	7.5	12.	4.4	0.62	0	0.14	0	0.00052	0.0000000022
Gravel/sand	ton	5648	310,000.	15.	730.	0	0	38,000.	190.	170.	23.	0	0	0.0023	0.00000036	0.0000068	0.000000000000085
Cement Grout	dry-ton	71	290,000.	9.2	29.	0	0	130,000.	260.	150.	0.45	0	0	4.1	0.004	0.0092	0.000000006
Concrete	tons	369	290,000.	9.6	70.	0	0	120,000.	250.	150.	1.6	0.00001	0	4.1	0.0037	0.0089	0.0000000059
Bentonite	ton	1	55.	0.0027	0.13	0	0	6.7	0.033	0.03	0.004	0	0	0.00000041	0.000000000064	0.0000000012	0.000000000000000015
Regenerated GAC	lbs	1566000	15,000,000.	690.	10,000.	0	0	3,100,000.	39,000.	23,000.	0	0	0	0	0	0	0
Bioinjection (Molasses)	lbs	2162200	2,800,000.	11.	200.	0	0	860,000.	6,500.	5,600.	130.	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	994100	1,900,000.	0	0	0	0	1,100,000.	8,300.	9,800.	170.	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	70728	1,300,000.	42.	54.	0	0	190,000.	450.	920.	24.	0.025	0	8.5	0.0034	0.11	0.0000000021
Gasoline Produced	gal	25271.6	530,000.	15.	20.	0	0	110,000.	200.	480.	13.	0.011	0	4.	0.0021	0.056	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Produced	gal x 1000	5671	52,000.	2.5	120.	0	0	28,000.	55.	33.	91.	0.0047	0	0.085	0.000047	0.00038	0.00000000057
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			***23,000,000.***	***800.***	***11,000.***	***0***	***0***	***5,700,000.***	***55,000.***	***40,000.***	***480.***	***5.6***	***0.014***	***26.***	***0.018***	***0.24***	***0.000056***
Waste and Other Services																	
Off-site waste water treatment	gal x 1000	505000	1,900,000.	91.	420.	0	0	1,500,000.	3,100.	1,500.	40.	0.23	0	61.	0.041	0.32	0.00000051
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	6280	1,100,000.	53.	1,000.	0	0	170,000.	970.	520.	2,800.	0.055	0	9.7	0.0067	0.053	0.000000083
Laboratory Analysis	$	919700	8,100,000.	460.	520.	0	0	1,200,000.	4,100.	2,800.	100.	0	0	190.	0	0	0
Waste and Other Services Subtotal			***11,000,000.***	***600.***	***1,900.***	***0***	***0***	***2,900,000.***	***8,200.***	***4,800.***	***2,900.***	***0.29***	***0***	***260.***	***0.048***	***0.37***	***0.00000059***
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

Traffic and Personnel - Alternative 2

Item	Units	Level 1 -On-Site	Level 2 - Transport.	Level 3 - Off-Site	Level 4 - Not Used	Level 5 - Not Used	Level 6 - Not Used	Total
Traffic								
Number of passenger car trips to the site	trips		0					**0**
Number of light-duty truck trips to the site	trips		2916					**2,916**
Number of freight or other heavy duty truck trips to the site	trips		1462					**1,462**
Total passenger car miles driven	miles		0					**0**
Total light-duty truck miles driven	miles		163170					**163,170**
Total freight or other heavey duty truck miles driven	miles		699650					**699,650**
Personnel								
On-Site Man days worked	man-days	5522						**5,522**

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

Variables In Alternative:

Level 1	On-Site
Level 2	Transport.
Level 3	Off-Site
Level 4	Not Used
Level 5	Not Used
Level 6	Not Used

Usage Input - Alternative 3

	Abbreviation	Units	Level 1 On-Site	Level 2 Transport.	Level 3 Off-Site	Level 4 Not Used	Level 5 Not Used	Level 6 Not Used	Total
Energy									
Diesel (on-site)	Diesel-On	gal	10299						10299
Gasoline (on-site use)	Gas-On	gal	127.2						127.2
Natural gas (on-site use)	NG-On	ccf							0
Diesel (off-site use)	Diesel-Off	gal		63357					63357
Gasoline (off-site use)	Gas-Off	gal		11483					11483
Natural gas (off-site use)	NG-Off	ccf							0
On-site electricity use	Elec. Use	MWh	13						13
Electricity transmission*	Elec. Trans	MWh		13					13
Electricity production*	Elec. Prod	MWh			13				13
Materials									
PVC	PVC	lb			9300				9300
HDPE	HDPE	lb			0				0
Steel	Steel	lb			15300				15300
Stainless Steel	S. Steel	lb			0				0
Gravel/sand	Sand	ton			5651				5651
Cement Grout	Cement	dry-ton			82				82
Concrete	Concrete	tons			375				375
Bentonite	Bent.	ton			1				1
Regenerated GAC	GAC-R	lbs			0				0
Bioinjection (Molasses)	Bio#1	lbs			2612100				2612100
Bioinjection (Cheese Whey)	Bio#2	lbs			1201000				1201000
Bioinjection (Vegetable Oil)	Bio#3	lbs			0				0
Diesel Produced	Diesel-Pro	gal			73656				73656
Gasoline Produced	Gas-Pro	gal			11610.2				11610.2
Natural Gas Produced	NG-Pro	ccf			0				0
Groundwater Extracted On-site	GW Ext	gal x 1000	27						27
Potable Water Produced	PW Pro.	gal x 1000			6851				6851
Potable Water Transported	PW Trans.	gal x 1000		6851					6851
Potable Water Used	PW Used	gal x 1000	6851						6851
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
Solid Waste Generation	SW-Gen	ton	0						0
Solid Waste Disposal	SW-Disp	ton			0				0
Hazardous Waste Generation	HW-Gen	ton	6300						6300
Hazardous Waste Disposal	HW-Disp	ton			6300				6300
Laboratory Analysis	Lab	$			839100				839100
Other									
On-site process emissions (HAPs)	Proc. HAPs	lbs	0						0
On-site process emissions (GHGs)	Proc. GHGs	lbs CO2e	0						0

Notes:

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

	Totals For Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 3														
	Energy Used	Electricity Used	All Water Used	Potable Water Used	Groundwater Extracted	CO2e Emitted	NO x Emitted	SO x Emitted	PM Emitted	Solid Waste Generated	Haz. Waste Generated	Air Toxics Emitted	Mercury Released	Lead Released	Dioxins Released
	Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Level 1 - On-Site															
Energy	1,500,000.	13.	0	0	0	230,000.	1,800.	57.	35.	0	0	3.1	0	0	0
Materials	0	0	6,900.	6,900.	27.	0	0	0	0	0	0	0	0	0	0
Waste/Services	0	0	0	0	0	0	0	0	0	0	6,300.	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Total	***1,500,000.***	***13.***	***6,900.***	***6,900.***	***27.***	***230,000.***	***1,800.***	***57.***	***35.***	***0***	***6,300.***	***3.1***	***0***	***0***	***0***
Level 2 - Transport.															
Energy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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
Transport. Total	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***
Level 3 - Off-Site															
Energy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***
Level 4 - Not Used															
Energy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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
Not Used Total	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***
Level 5 - Not Used															
Energy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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
Not Used Total	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***
Level 6 - Not Used															
Energy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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
Not Used Total	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***
Total	***1,500,000.***	***13.***	***6,900.***	***6,900.***	***27.***	***230,000.***	***1,800.***	***57.***	***35.***	***0***	***6,300.***	***3.1***	***0***	***0***	***0***

	Totals For Parameters Used, Extracted, Emitted, or Generated Off-Site - Alternative 3														
	Energy Used	Electricity Used	All Water Used	Potable Water Used	Groundwater Extracted	CO2e Emitted	NO x Emitted	SO x Emitted	PM Emitted	Solid Waste Generated	Haz. Waste Generated	Air Toxics Emitted	Mercury Released	Lead Released	Dioxins Released
	Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Level 1 - On-Site															
Energy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***
Level 2 - Transport.															
Energy	10,000,000.	1.6	0	0	0	1,600,000.	12,000.	390.	230.	0	0	22.	0	0	0
Materials	51,000.	4.4	32.	0	0	3,500.	3.7	30.	0.39	0.004	0	0	0.018	0.00027	0.0000000002
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
Transport. Total	***10,000,000.***	***6.***	***32.***	***0***	***0***	***1,600,000.***	***12,000.***	***420.***	***230.***	***0.004***	***0***	***22.***	***0.018***	***0.00027***	***0.0000000002***
Level 3 - Off-Site															
Energy	100,000.	0.78	95.	0	0	10,000.	11.	87.	1.1	0.012	0	0.22	0.000034	0.0004	0.00000000011
Materials	8,500,000.	110.	1,400.	0	0	3,000,000.	19,000.	21,000.	550.	3.9	0.015	25.	0.018	0.2	0.000064
Waste/Services	8,500,000.	470.	1,500.	0	0	1,300,000.	4,800.	3,000.	2,900.	0.055	0	180.	0.0067	0.053	0.000000083
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Total	***17,000,000.***	***580.***	***3,000.***	***0***	***0***	***4,300,000.***	***24,000.***	***24,000.***	***3,500.***	***4.***	***0.015***	***210.***	***0.025***	***0.25***	***0.000064***
Level 4 - Not Used															
Energy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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
Not Used Total	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***
Level 5 - Not Used															
Energy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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
Not Used Total	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***
Level 6 - Not Used															
Energy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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
Not Used Total	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***
Total	***27,000,000.***	***590.***	***3,000.***	***0***	***0***	***5,900,000.***	***36,000.***	***24,000.***	***3,700.***	***4.***	***0.015***	***230.***	***0.043***	***0.25***	***0.000064***

	Totals for On-Site and Off-Site Parameters - Alternative 3														
	Energy Used	Electricity Used	All Water Used	Potable Water Used	Groundwater Extracted	CO2e Emitted	NO x Emitted	SO x Emitted	PM Emitted	Solid Waste Generated	Haz. Waste Generated	Air Toxics Emitted	Mercury Released	Lead Released	Dioxins Released
	Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Level 1 - On-Site															
Energy	1,500,000.	13.	0	0	0	230,000.	1,800.	57.	35.	0	0	3.1	0	0	0
Materials	0	0	6,900.	6,900.	27.	0	0	0	0	0	0	0	0	0	0
Waste/Services	0	0	0	0	0	0	0	0	0	0	6,300.	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-Site Total	***1,500,000.***	***13.***	***6,900.***	***6,900.***	***27.***	***230,000.***	***1,800.***	***57.***	***35.***	***0***	***6,300.***	***3.1***	***0***	***0***	***0***
Level 2 - Transport.															
Energy	10,000,000.	1.6	0	0	0	1,600,000.	12,000.	390.	230.	0	0	22.	0	0	0
Materials	51,000.	4.4	32.	0	0	3,500.	3.7	30.	0.39	0.004	0	0	0.018	0.00027	0.0000000002
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
Transport. Total	***10,000,000.***	***6.***	***32.***	***0***	***0***	***1,600,000.***	***12,000.***	***420.***	***230.***	***0.004***	***0***	***22.***	***0.018***	***0.00027***	***0.0000000002***
Level 3 - Off-Site															
Energy	100,000.	0.78	95.	0	0	10,000.	11.	87.	1.1	0.012	0	0.22	0.000034	0.0004	0.00000000011
Materials	8,500,000.	110.	1,400.	0	0	3,000,000.	19,000.	21,000.	550.	3.9	0.015	25.	0.018	0.2	0.000064
Waste/Services	8,500,000.	470.	1,500.	0	0	1,300,000.	4,800.	3,000.	2,900.	0.055	0	180.	0.0067	0.053	0.000000083
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Total	***17,000,000.***	***580.***	***3,000.***	***0***	***0***	***4,300,000.***	***24,000.***	***24,000.***	***3,500.***	***4.***	***0.015***	***210.***	***0.025***	***0.25***	***0.000064***
Level 4 - Not Used															
Energy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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
Not Used Total	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***
Level 5 - Not Used															
Energy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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
Not Used Total	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***
Level 6 - Not Used															
Energy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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
Not Used Total	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***
Total	***29,000,000.***	***600.***	***9,900.***	***6,900.***	***27.***	***6,100,000.***	***38,000.***	***24,000.***	***3,800.***	***4.***	***6,300.***	***240.***	***0.043***	***0.25***	***0.000064***

	Percentages For Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 3														
	Energy Used	Electricity Used	All Water Used	Potable Water Used	Groundwater Extracted	CO2e Emitted	NO x Emitted	SO x Emitted	PM Emitted	Solid Waste Generated	Haz. Waste Generated	Air Toxics Emitted	Mercury Released	Lead Released	Dioxins Released
	Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Level 1 - On-Site															
Energy	100%	100%	0%	0%	0%	100%	100%	100%	100%	0%	0%	100%	0%	0%	0%
Materials	0%	0%	100%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Waste/Services	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
On-Site Total	***100%***	***100%***	***100%***	***100%***	***100%***	***100%***	***100%***	***100%***	***100%***	***0%***	***100%***	***100%***	***0%***	***0%***	***0%***
Level 2 - Transport.															
Energy	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Materials	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
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%
Transport. Total	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***
Level 3 - Off-Site															
Energy	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Materials	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
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	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***
Level 4 - Not Used															
Energy	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Materials	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
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	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***
Level 5 - Not Used															
Energy	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Materials	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
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	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***
Level 6 - Not Used															
Energy	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Materials	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
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	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***

	Percentages For Parameters Used, Extracted, Emitted, or Generated Off-Site - Alternative 3														
	Energy Used	Electricity Used	All Water Used	Potable Water Used	Groundwater Extracted	CO2e Emitted	NO x Emitted	SO x Emitted	PM Emitted	Solid Waste Generated	Haz. Waste Generated	Air Toxics Emitted	Mercury Released	Lead Released	Dioxins Released
	Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Level 1 - On-Site															
Energy	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Materials	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
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	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***
Level 2 - Transport.															
Energy	37%	<1%	0%	0%	0%	27%	33%	2%	6%	0%	0%	9%	0%	0%	0%
Materials	<1%	<1%	1%	0%	0%	<1%	<1%	<1%	<1%	<1%	0%	0%	42%	<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%
Transport. Total	***37%***	***0%***	***1%***	***0%***	***0%***	***27%***	***33%***	***2%***	***6%***	***<1%***	***0%***	***9%***	***42%***	***<1%***	***<1%***
Level 3 - Off-Site															
Energy	<1%	<1%	3%	0%	0%	<1%	<1%	<1%	<1%	<1%	0%	<1%	<1%	<1%	<1%
Materials	31%	19%	46%	0%	0%	51%	53%	86%	15%	97%	100%	11%	42%	80%	100%
Waste/Services	31%	80%	49%	0%	0%	22%	13%	12%	78%	1%	0%	78%	16%	21%	<1%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Off-Site Total	***63%***	***99%***	***99%***	***0%***	***0%***	***73%***	***66%***	***98%***	***92%***	***99%***	***100%***	***88%***	***57%***	***101%***	***100%***
Level 4 - Not Used															
Energy	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Materials	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
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	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***
Level 5 - Not Used															
Energy	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Materials	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
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	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***
Level 6 - Not Used															
Energy	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Materials	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
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	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***

	Percentages for Total On-Site and Off-Site Parameters - Alternative 3														
	Energy Used	Electricity Used	All Water Used	Potable Water Used	Groundwater Extracted	CO2e Emitted	NO x Emitted	SO x Emitted	PM Emitted	Solid Waste Generated	Haz. Waste Generated	Air Toxics Emitted	Mercury Released	Lead Released	Dioxins Released
	Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Level 1 - On-Site															
Energy	5%	2%	0%	0%	0%	4%	5%	<1%	<1%	0%	0%	1%	0%	0%	0%
Materials	0%	0%	69%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Waste/Services	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
On-Site Total	***5%***	***2%***	***69%***	***100%***	***100%***	***4%***	***5%***	***<1%***	***<1%***	***0%***	***100%***	***1%***	***0%***	***0%***	***0%***
Level 2 - Transport.															
Energy	35%	<1%	0%	0%	0%	26%	32%	2%	6%	0%	0%	9%	0%	0%	0%
Materials	<1%	<1%	<1%	0%	0%	<1%	<1%	<1%	<1%	<1%	0%	0%	42%	<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%
Transport. Total	***35%***	***0%***	***<1%***	***0%***	***0%***	***26%***	***32%***	***2%***	***6%***	***<1%***	***0%***	***9%***	***42%***	***<1%***	***<1%***
Level 3 - Off-Site															
Energy	<1%	<1%	<1%	0%	0%	<1%	<1%	<1%	<1%	<1%	0%	<1%	<1%	<1%	<1%
Materials	30%	18%	14%	0%	0%	49%	50%	86%	15%	97%	<1%	11%	42%	80%	100%
Waste/Services	30%	78%	15%	0%	0%	21%	13%	12%	77%	1%	0%	77%	16%	21%	<1%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Off-Site Total	***60%***	***97%***	***29%***	***0%***	***0%***	***70%***	***63%***	***98%***	***92%***	***99%***	***<1%***	***87%***	***57%***	***101%***	***100%***
Level 4 - Not Used															
Energy	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Materials	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
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	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***
Level 5 - Not Used															
Energy	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Materials	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
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	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***
Level 6 - Not Used															
Energy	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Materials	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
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	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***

			All Levels - Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 3																									
			Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
		Quantity Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Extracted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Generated	Conv. Factor	Generated	Conv. Factor	Emitted	Conv. Factor	Released	Conv. Factor	Released	Conv. Factor	Released
				Mbtu		MWh		gal x 1000		gal x 1000		gal x 1000		lbs		lbs		lbs		lbs		tons		tons		lbs		lbs		lbs		lbs
Totals				***1,500,000.***		***13.***		***6,900.***		***6,900.***		***27.***		***230,000.***		***1,800.***		***57.***		***35.***		***0***		***6,300.***		***3.1***		***0***		***0***		***0***
Energy																																
Diesel (on-site)	gal	10299	139	1,400,000.	0	0	0	0	0	0	0	0	22.5	230,000.	0.17	1,800.	0.0054	56.	0.0034	35.	0	0	0	0	0.0003	3.1	0	0	0	0	0	0
Gasoline (on-site use)	gal	127.2	124	16,000.	0	0	0	0	0	0	0	0	19.6	2,500.	0.11	14.	0.0045	0.57	0.0005	0.069	0	0	0	0	0.0003	0.038	0	0	0	0	0	0
Natural gas (on-site use)	ccf	0	103	0	0	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0.29	0	0	0	0	0	0	0
Diesel (off-site use)	gal	63357	0	0	0	0	0	0	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	11483	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site electricity use	MWh	13	3413	44,000.	1	13.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity transmission*	MWh	13	0	0	0	0	0	0	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	0	0	0	0	0	0	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.***		***57.***		***35.***		***0***		***0***		***3.1***		***0***		***0***		***0***
Materials																																
PVC	lb	9300	0	0	0	0	0	0	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	15300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gravel/sand	ton	5651	0	0	0	0	0	0	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	0	0	0	0	0	0	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	0	0	0	0	0	0	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	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	2612100	0	0	0	0	0	0	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	1201000	0	0	0	0	0	0	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	73656	0	0	0	0	0	0	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	11610.2	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	27	0	0	0	0	1	27.	0	0	1	27.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Produced	gal x 1000	6851	0	0	0	0	0	0	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	6851	0	0	0	0	0	0	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	6851	0	0	0	0	1	6,900.	1	6,900.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other On-Site Water Used	gal x 1000	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials Subtotal				***0***		***0***		***6,900.***		***6,900.***		***27.***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***
Waste and Other Services																																
Off-site waste water treatment	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Generation	ton	6300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6,300.	0	0	0	0	0	0	0	0
Hazardous Waste Disposal	ton	6300	0	0	0	0	0	0	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	$	839100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste and Other Services Subtotal				***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***6,300.***		***0***		***0***		***0***		***0***
Other																																
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Subtotal				***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***

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

			All Levels - Parameters Used, Extracted, Emitted, or Generated Off-Site - Alternative 3																									
			Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
		Quantity Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Extracted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Generated	Conv. Factor	Generated	Conv. Factor	Emitted	Conv. Factor	Released	Conv. Factor	Released	Conv. Factor	Released
				Mbtu		MWh		gal x 1000		gal x 1000		gal x 1000		lbs		lbs		lbs		lbs		tons		tons		lbs		lbs		lbs		lbs
Totals				***27,000,000.***		***580.***		***3,000.***		***0***		***0***		***5,900,000.***		***36,000.***		***24,000.***		***3,700.***		***4.***		***0.015***		***230.***		***0.043***		***0.25***		***0.000064***
Energy																															
Diesel (on-site)	gal	10299	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gasoline (on-site use)	gal	127.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural gas (on-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel (off-site use)	gal	63357	139	8,800,000.	0	0	0	0	0	0	0	0	22.5	1,400,000.	0.17	11,000.	0.0054	340.	0.0034	220.	0	0	0	0	0.0003	19.	0	0	0	0	0	0	0
Gasoline (off-site use)	gal	11483	124	1,400,000.	0	0	0	0	0	0	0	0	19.6	230,000.	0.11	1,300.	0.0045	52.	0.0005	6.2	0	0	0	0	0.0003	3.4	0	0	0	0	0	0	0
Natural gas (off-site use)	ccf	0	103	0	0	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0.29	0	0	0	0	0	0	0	0
On-site electricity use	MWh	13	0	0	0	0	0	0	0	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	410	5,300.	0.12	1.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity production*	MWh	13	7800	100,000.	0.06	0.78	7.3	95.	0	0	0	0	800	10,000.	0.84	11.	6.7	87.	0.087	1.1	0.0009	0.012	0	0	0.017	0.22	3E-06	0.000034	3E-05	0.0004	9E-12	0.00000000011
Energy Subtotal				***10,000,000.***		***2.4***		***95.***		***0***		***0***		***1,600,000.***		***12,000.***		***480.***		***230.***		***0.012***		***0***		***23.***		***0.000034***		***0.0004***		***0.00000000011***
Materials																																
PVC	lb	9300	22	200,000.	0.0006	5.2	0.0069	64.	0	0	0	0	4.1	38,000.	0.0048	45.	0.0076	71.	0.0012	11.	2E-06	0.02	2E-06	0.015	0.0005	4.4	3E-07	0.0032	1E-07	0.0012	7E-09	0.000064
HDPE	lb	0	31	0	0.0003	0	0.0023	0	0	0	0	0	1.9	0	0.0032	0	0.0041	0	0.0006	0	4E-07	0	1E-06	0	3E-06	0	3E-09	0	2E-09	0	1E-09	0
Steel	lb	15300	4.4	67,000.	0.0002	3.2	0.0006	9.8	0	0	0	0	1.1	17,000.	0.0014	21.	0.0017	26.	0.0006	8.6	0.0003	3.8	0	0	7E-05	1.	1E-07	0.0015	3E-06	0.038	7E-12	0.000000099
Stainless Steel	lb	0	11.6	0	0.0006	0	0.0023	0	0	0	0	0	3.4	0	0.0075	0	0.012	0	0.0044	0	0.0006	0	0	0	0.0001	0	0	0	5E-07	0	2E-12	0
Gravel/sand	ton	5651	55	310,000.	0.0027	15.	0.13	730.	0	0	0	0	6.7	38,000.	0.033	190.	0.03	170.	0.004	23.	0	0	0	0	4E-07	0.0023	6E-11	0.00000036	1E-09	0.0000068	2E-16	0.000000000085
Cement Grout	dry-ton	82	4100	340,000.	0.13	11.	0.41	34.	0	0	0	0	1800	150,000.	3.6	300.	2.1	170.	0.0063	0.52	0	0	0	0	0.058	4.8	6E-05	0.0047	0.0001	0.011	9E-11	0.000000007
Concrete	tons	375	793	300,000.	0.026	9.8	0.19	71.	0	0	0	0	335	130,000.	0.68	260.	0.41	150.	0.0044	1.7	3E-08	0.000011	0	0	0.011	4.1	1E-05	0.0038	2E-05	0.009	2E-11	0.000000006
Bentonite	ton	1	55	55.	0.0027	0.0027	0.13	0.13	0	0	0	0	6.7	6.7	0.033	0.033	0.03	0.03	0.004	0.004	0	0	0	0	4E-07	0.00000041	6E-11	0.000000000064	1E-09	0.0000000012	2E-16	0.000000000000015
Regenerated GAC	lbs	0	9.6	0	0.0004	0	0.0064	0	0	0	0	0	2	0	0.025	0	0.015	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Molasses)	lbs	2612100	1.31	3,400,000.	5E-06	13.	9E-05	240.	0	0	0	0	0.4	1,000,000.	0.003	7,800.	0.0026	6,800.	6E-05	160.	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	1201000	1.87	2,200,000.	0	0	0	0	0	0	0	0	1.1	1,300,000.	0.0083	10,000.	0.0099	12,000.	0.0002	200.	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	0	3.6	0	6E-05	0	2E-05	0	0	0	0	0	3.51	0	0.0265	0	0.031	0	0.0017	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Produced	gal	73656	18.5	1,400,000.	0.0006	43.	0.0008	57.	0	0	0	0	2.7	200,000.	0.0064	470.	0.013	960.	0.0003	25.	4E-07	0.027	0	0	0.0001	8.8	5E-08	0.0035	2E-06	0.11	3E-14	0.0000000022
Gasoline Produced	gal	11610.2	21	240,000.	0.0006	6.9	0.0008	9.2	0	0	0	0	4.4	51,000.	0.008	93.	0.019	220.	0.0005	6.	4E-07	0.0049	0	0	0.0002	1.9	9E-08	0.00099	2E-06	0.026	3E-14	0.00000000036
Natural Gas Produced	ccf	0	5.2	0	0.0003	0	8E-05	0	0	0	0	0	2.2	0	0.0037	0	0.0046	0	7E-05	0	0	0	0	0	6E-06	0	2E-08	0	9E-07	0	5E-14	0
Groundwater Extracted On-site	gal x 1000	27	0	0	0	0	0	0	0	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	6851	9.2	63,000.	0.0004	3.	0.021	140.	0	0	0	0	5	34,000.	0.0097	66.	0.0059	40.	0.016	110.	8E-07	0.0057	0	0	2E-05	0.1	8E-09	0.000056	7E-08	0.00046	1E-13	0.00000000069
Potable Water Transported	gal x 1000	6851	7.4	51,000.	0.0006	4.4	0.0047	32.	0	0	0	0	0.5168	3,500.	0.0005	3.7	0.0043	30.	6E-05	0.39	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	6851	0	0	0	0	0	0	0	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	0
Materials Subtotal				***8,600,000.***		***110.***		***1,400.***		***0***		***0***		***3,000,000.***		***19,000.***		***21,000.***		***550.***		***3.9***		***0.015***		***25.***		***0.036***		***0.2***		***0.000064***
Waste and Other Services																																
Off-site waste water treatment	gal x 1000	0	3.7	0	0.0002	0	0.0008	0	0	0	0	0	3	0	0.0061	0	0.0029	0	8E-05	0	5E-07	0	0	0	0.0001	0	8E-08	0	6E-07	0	1E-12	0
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	160	0	0.0077	0	0.15	0	0	0	0	0	25	0	0.14	0	0.075	0	0.4	0	8E-06	0	0	0	0.0014	0	1E-06	0	8E-06	0	1E-11	0
Hazardous Waste Generation	ton	6300	0	0	0	0	0	0	0	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	6300	176	1,100,000.	0.0085	54.	0.165	1,000.	0	0	0	0	27.5	170,000.	0.154	970.	0.0825	520.	0.44	2,800.	9E-06	0.055	0	0	0.0015	9.7	1E-06	0.0067	8E-06	0.053	1E-11	0.000000083
Laboratory Analysis	$	839100	8.8	7,400,000.	0.0005	420.	0.0006	470.	0	0	0	0	1.3	1,100,000.	0.0045	3,800.	0.003	2,500.	0.0001	96.	0	0	0	0	0.0002	170.	0	0	0	0	0	0	0
Waste and Other Services Subtotal				***8,500,000.***		***470.***		***1,500.***		***0***		***0***		***1,300,000.***		***4,800.***		***3,000.***		***2,900.***		***0.055***		***0***		***180.***		***0.0067***		***0.053***		***0.000000083***
Other																																
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Subtotal				***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***

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

		Quantity Used	All Levels - Total On-Site and Off-Site Parameters - Alternative 3														
			Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
			Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
			Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Totals			***29,000,000.***	***600.***	***9,900.***	***6,900.***	***27.***	***6,200,000.***	***38,000.***	***25,000.***	***3,700.***	***4.***	***6,300.***	***230.***	***0.043***	***0.25***	***0.000064***
Energy																	
Diesel (on-site)	gal	10299	1,400,000.	0	0	0	0	230,000.	1,800.	56.	35.	0	0	3.1	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	63357	8,800,000.	0	0	0	0	1,400,000.	11,000.	340.	220.	0	0	19.	0	0	0
Gasoline (off-site use)	gal	11483	1,400,000.	0	0	0	0	230,000.	1,300.	52.	6.2	0	0	3.4	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	44,000.	13.	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity transmission*	MWh	13	5,300.	1.6	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity production*	MWh	13	100,000.	0.78	95.	0	0	10,000.	11.	87.	1.1	0.012	0	0.22	0.000034	0.0004	0.00000000011
Energy Subtotal			***12,000,000.***	***15.***	***95.***	***0***	***0***	***1,900,000.***	***14,000.***	***540.***	***260.***	***0.012***	***0***	***26.***	***0.000034***	***0.0004***	***0.00000000011***
Materials																	
PVC	lb	9300	200,000.	5.2	64.	0	0	38,000.	45.	71.	11.	0.02	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	15300	67,000.	3.2	9.8	0	0	17,000.	21.	26.	8.6	3.8	0	1.	0.0015	0.038	0.000000099
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gravel/sand	ton	5651	310,000.	15.	730.	0	0	38,000.	190.	170.	23.	0	0	0.0023	0.00000036	0.0000068	0.00000000000085
Cement Grout	dry-ton	82	340,000.	11.	34.	0	0	150,000.	300.	170.	0.52	0	0	4.8	0.0047	0.011	0.000000007
Concrete	tons	375	300,000.	9.8	71.	0	0	130,000.	260.	150.	1.7	0.000011	0	4.1	0.0038	0.009	0.000000006
Bentonite	ton	1	55.	0.0027	0.13	0	0	6.7	0.033	0.03	0.004	0	0	0.00000041	0.000000000064	0.0000000012	0.000000000000000015
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Molasses)	lbs	2612100	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	1201000	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	73656	1,400,000.	43.	57.	0	0	200,000.	470.	960.	25.	0.027	0	8.8	0.0035	0.11	0.0000000022
Gasoline Produced	gal	11610.2	240,000.	6.9	9.2	0	0	51,000.	93.	220.	6.	0.0049	0	1.9	0.00099	0.026	0.00000000036
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	0	0	27.	0	27.	0	0	0	0	0	0	0	0	0	0
Potable Water Produced	gal x 1000	6851	63,000.	3.	140.	0	0	34,000.	66.	40.	110.	0.0057	0	0.1	0.000056	0.00046	0.00000000069
Potable Water Transported	gal x 1000	6851	51,000.	4.4	32.	0	0	3,500.	3.7	30.	0.39	0.004	0	0	0.018	0.00027	0.0000000002
Potable Water Used	gal x 1000	6851	0	0	6,900.	6,900.	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			***8,600,000.***	***110.***	***8,300.***	***6,900.***	***27.***	***3,000,000.***	***19,000.***	***21,000.***	***550.***	***3.9***	***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	6300	0	0	0	0	0	0	0	0	0	0	6,300.	0	0	0	0
Hazardous Waste Disposal	ton	6300	1,100,000.	54.	1,000.	0	0	170,000.	970.	520.	2,800.	0.055	0	9.7	0.0067	0.053	0.000000083
Laboratory Analysis	$	839100	7,400,000.	420.	470.	0	0	1,100,000.	3,800.	2,500.	96.	0	0	170.	0	0	0
Waste and Other Services Subtotal			***8,500,000.***	***470.***	***1,500.***	***0***	***0***	***1,300,000.***	***4,800.***	***3,000.***	***2,900.***	***0.055***	***6,300.***	***180.***	***0.0067***	***0.053***	***0.000000083***
Other																	
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Subtotal			***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***

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

		Quantity Used	Level 1 (On-Site) Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 3																									
			Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
			Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Extracted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Generated	Conv. Factor	Generated	Conv. Factor	Emitted	Conv. Factor	Released	Conv. Factor	Released	Conv. Factor	Released
				Mbtu		MWh		gal x 1000		gal x 1000		gal x 1000		lbs		lbs		lbs		lbs		tons		tons		lbs		lbs		lbs		lbs
Totals				***1,500,000.***		***13.***		***6,900.***		***6,900.***		***27.***		***230,000.***		***1,800.***		***57.***		***35.***		***0***		***6,300.***		***3.1***		***0***		***0***		***0***
Energy																																
Diesel (on-site)	gal	10299	139	1,400,000.	0	0	0	0	0	0	0	0	22.5	230,000.	0.17	1,800.	0.0054	56.	0.0034	35.	0	0	0	0	0.0003	3.1	0	0	0	0	0	0
Gasoline (on-site use)	gal	127.2	124	16,000.	0	0	0	0	0	0	0	0	19.6	2,500.	0.11	14.	0.0045	0.57	0.0005	0.069	0	0	0	0	0.0003	0.038	0	0	0	0	0	0
Natural gas (on-site use)	ccf	0	103	0	0	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0.29	0	0	0	0	0	0	0
Diesel (off-site use)	gal	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site electricity use	MWh	13	3413	44,000.	1	13.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity transmission*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity production*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Energy Subtotal				***1,500,000.***		***13.***		***0***		***0***		***0***		***230,000.***		***1,800.***		***57.***		***35.***		***0***		***0***		***3.1***		***0***		***0***		***0***
Materials																																
PVC	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gravel/sand	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cement Grout	dry-ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Concrete	tons	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bentonite	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Produced	gal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gasoline Produced	gal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Groundwater Extracted On-site	gal x 1000	27	0	0	0	0	1	27.	0	0	1	27.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Produced	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Transported	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Used	gal x 1000	6851	0	0	0	0	1	6,900.	1	6,900.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other On-Site Water Used	gal x 1000	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials Subtotal				***0***		***0***		***6,900.***		***6,900.***		***27.***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***
Waste and Other Services																																
Off-site waste water treatment	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Generation	ton	6300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6,300.	0	0	0	0	0	0	0	0
Hazardous Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Laboratory Analysis	$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste and Other Services Subtotal				***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***6,300.***		***0***		***0***		***0***		***0***
Other																																
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Subtotal				***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***

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

			Level 1 (On-Site) Parameters Used, Extracted, Emitted, or Generated Off-Site - Alternative 3																									
			Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
		Quantity Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Extracted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Generated	Conv. Factor	Generated	Conv. Factor	Emitted	Conv. Factor	Released	Conv. Factor	Released	Conv. Factor	Released
				Mbtu		MWh		gal x 1000		gal x 1000		gal x 1000		lbs		lbs		lbs		lbs		tons		tons		lbs		lbs		lbs		lbs
Totals				***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***
Energy																																
Diesel (on-site)	gal	10299	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gasoline (on-site use)	gal	127.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural gas (on-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel (off-site use)	gal	0	139	0	0	0	0	0	0	0	0	0	22.5	0	0.17	0	0.0054	0	0.0034	0	0	0	0	0	0.0003	0	0	0	0	0	0	0
Gasoline (off-site use)	gal	0	124	0	0	0	0	0	0	0	0	0	19.6	0	0.11	0	0.0045	0	0.0005	0	0	0	0	0	0.0003	0	0	0	0	0	0	0
Natural gas (off-site use)	ccf	0	103	0	0	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0.29	0	0	0	0	0	0	0
On-site electricity use	MWh	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity transmission*	MWh	0	410	0	0.12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity production*	MWh	0	7800	0	0.06	0	7.3	0	0	0	0	0	800	0	0.84	0	6.7	0	0.087	0	0.0009	0	0	0	0.017	0	3E-06	0	3E-05	0	9E-12	0
Energy Subtotal				***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***
Materials																																
PVC	lb	0	22	0	0.0006	0	0.0069	0	0	0	0	0	4.1	0	0.0048	0	0.0076	0	0.0012	0	2E-06	0	2E-06	0	0.0005	0	3E-07	0	1E-07	0	7E-09	0
HDPE	lb	0	31	0	0.0003	0	0.0023	0	0	0	0	0	1.9	0	0.0032	0	0.0041	0	0.0006	0	4E-07	0	1E-06	0	3E-06	0	3E-09	0	2E-09	0	1E-09	0
Steel	lb	0	4.4	0	0.0002	0	0.0006	0	0	0	0	0	1.1	0	0.0014	0	0.0017	0	0.0006	0	0.0003	0	0	0	7E-05	0	1E-07	0	3E-06	0	7E-12	0
Stainless Steel	lb	0	11.6	0	0.0006	0	0.0023	0	0	0	0	0	3.4	0	0.0075	0	0.012	0	0.0044	0	0.0006	0	0	0	0.0001	0	0	0	5E-07	0	2E-12	0
Gravel/sand	ton	0	55	0	0.0027	0	0.13	0	0	0	0	0	6.7	0	0.033	0	0.03	0	0.004	0	0	0	0	0	4E-07	0	6E-11	0	1E-09	0	2E-16	0
Cement Grout	dry-ton	0	4100	0	0.13	0	0.41	0	0	0	0	0	1800	0	3.6	0	2.1	0	0.0063	0	0	0	0	0	0.058	0	6E-05	0	0.0001	0	9E-11	0
Concrete	tons	0	793	0	0.026	0	0.19	0	0	0	0	0	335	0	0.68	0	0.41	0	0.0044	0	3E-08	0	0	0	0.011	0	1E-05	0	2E-05	0	2E-11	0
Bentonite	ton	0	55	0	0.0027	0	0.13	0	0	0	0	0	6.7	0	0.033	0	0.03	0	0.004	0	0	0	0	0	4E-07	0	6E-11	0	1E-09	0	2E-16	0
Regenerated GAC	lbs	0	9.6	0	0.0004	0	0.0064	0	0	0	0	0	2	0	0.025	0	0.015	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Molasses)	lbs	0	1.31	0	5E-06	0	9E-05	0	0	0	0	0	0.4	0	0.003	0	0.0026	0	6E-05	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	0	1.87	0	0	0	0	0	0	0	0	0	1.1	0	0.0083	0	0.0099	0	0.0002	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	0	3.6	0	6E-05	0	2E-05	0	0	0	0	0	3.51	0	0.0265	0	0.031	0	0.0017	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Produced	gal	0	18.5	0	0.0006	0	0.0008	0	0	0	0	0	2.7	0	0.0064	0	0.013	0	0.0003	0	4E-07	0	0	0	0.0001	0	5E-08	0	2E-06	0	3E-14	0
Gasoline Produced	gal	0	21	0	0.0006	0	0.0008	0	0	0	0	0	4.4	0	0.008	0	0.019	0	0.0005	0	4E-07	0	0	0	0.0002	0	9E-08	0	2E-06	0	3E-14	0
Natural Gas Produced	ccf	0	5.2	0	0.0003	0	8E-05	0	0	0	0	0	2.2	0	0.0037	0	0.0046	0	7E-05	0	0	0	0	0	6E-06	0	2E-08	0	9E-07	0	5E-14	0
Groundwater Extracted On-site	gal x 1000	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Produced	gal x 1000	0	9.2	0	0.0004	0	0.021	0	0	0	0	0	5	0	0.0097	0	0.0059	0	0.016	0	8E-07	0	0	0	2E-05	0	8E-09	0	7E-08	0	1E-13	0
Potable Water Transported	gal x 1000	0	7.4	0	0.0006	0	0.0047	0	0	0	0	0	0.5168	0	0.0005	0	0.0043	0	6E-05	0	6E-07	0	0	0	0	0	3E-06	0	4E-08	0	3E-14	0
Potable Water Used	gal x 1000	6851	0	0	0	0	0	0	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				***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	3.7	0	0.0002	0	0.0008	0	0	0	0	0	3	0	0.0061	0	0.0029	0	8E-05	0	5E-07	0	0	0	0.0001	0	8E-08	0	6E-07	0	1E-12	0
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	160	0	0.0077	0	0.15	0	0	0	0	0	25	0	0.14	0	0.075	0	0.4	0	8E-06	0	0	0	0.0014	0	1E-06	0	8E-06	0	1E-11	0
Hazardous Waste Generation	ton	6300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Disposal	ton	0	176	0	0.0085	0	0.165	0	0	0	0	0	27.5	0	0.154	0	0.0825	0	0.44	0	9E-06	0	0	0	0.0015	0	1E-06	0	8E-06	0	1E-11	0
Laboratory Analysis	$	0	8.8	0	0.0005	0	0.0006	0	0	0	0	0	1.3	0	0.0045	0	0.003	0	0.0001	0	0	0	0	0	0.0002	0	0	0	0	0	0	0
Waste and Other Services Subtotal				***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***
Other																																
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Subtotal				***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***

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

		Quantity Used	Level 1 (On-Site) Total On-Site and Off-Site Parameters - Alternative 3														
			Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
			Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
			Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Totals			***1,500,000.***	***13.***	***6,900.***	***6,900.***	***27.***	***230,000.***	***1,800.***	***57.***	***35.***	***0***	***6,300.***	***3.1***	***0***	***0***	***0***
Energy																	
Diesel (on-site)	gal	10299	1,400,000.	0	0	0	0	230,000.	1,800.	56.	35.	0	0	3.1	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gasoline (off-site use)	gal	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
On-site electricity use	MWh	13	44,000.	13.	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			***1,500,000.***	***13.***	***0***	***0***	***0***	***230,000.***	***1,800.***	***57.***	***35.***	***0***	***0***	***3.1***	***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	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
Groundwater Extracted On-site	gal x 1000	27	0	0	27.	0	27.	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	6851	0	0	6,900.	6,900.	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			***0***	***0***	***6,900.***	***6,900.***	***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
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	6300	0	0	0	0	0	0	0	0	0	0	6,300.	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***	***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
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Subtotal			***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***

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

		Quantity Used	Level 2 (Transport.) Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 3																									
			Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
			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				***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	0	22.5	0	0.17	0	0.0054	0	0.0034	0	0	0	0	0	0.0003	0	0	0	0	0	0	0
Gasoline (on-site use)	gal	0	124	0	0	0	0	0	0	0	0	0	19.6	0	0.11	0	0.0045	0	0.0005	0	0	0	0	0	0.0003	0	0	0	0	0	0	0
Natural gas (on-site use)	ccf	0	103	0	0	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0.29	0	0	0	0	0	0	0
Diesel (off-site use)	gal	63357	0	0	0	0	0	0	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	11483	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site electricity use	MWh	0	3413	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity transmission*	MWh	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity production*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Energy Subtotal				***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	0
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gravel/sand	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cement Grout	dry-ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Concrete	tons	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bentonite	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Produced	gal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gasoline Produced	gal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Groundwater Extracted On-site	gal x 1000	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Produced	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Transported	gal x 1000	6851	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Used	gal x 1000	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other On-Site Water Used	gal x 1000	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials Subtotal				***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***	***0***
Waste and Other Services																															
Off-site waste water treatment	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Hazardous Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Laboratory Analysis	$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste and Other Services Subtotal				***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***	***0***
Other																															
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Subtotal				***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***	***0***

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

		Quantity Used	Level 2 (Transport.) Parameters Used, Extracted, Emitted, or Generated Off-Site - Alternative 3																									
			Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
			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				***10,000,000.***		***6.***		***32.***		***0***		***0***		***1,600,000.***		***12,000.***		***420.***		***230.***		***0.004***		***0***		***22.***		***0.018***		***0.00027***		***0.0000000002***
Energy																																
Diesel (on-site)	gal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gasoline (on-site use)	gal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural gas (on-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel (off-site use)	gal	63357	139	8,800,000.	0	0	0	0	0	0	0	0	22.5	1,400,000.	0.17	11,000.	0.0054	340.	0.0034	220.	0	0	0	0	0.0003	19.	0	0	0	0	0	0	0
Gasoline (off-site use)	gal	11483	124	1,400,000.	0	0	0	0	0	0	0	0	19.6	230,000.	0.11	1,300.	0.0045	52.	0.0005	6.2	0	0	0	0	0.0003	3.4	0	0	0	0	0	0	0
Natural gas (off-site use)	ccf	0	103	0	0	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0.29	0	0	0	0	0	0	0	0
On-site electricity use	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity transmission*	MWh	13	410	5,300.	0.12	1.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity production*	MWh	0	7800	0	0.06	0	7.3	0	0	0	0	0	800	0	0.84	0	6.7	0	0.087	0	0.0009	0	0	0	0.017	0	3E-06	0	3E-05	0	9E-12	0
Energy Subtotal				***10,000,000.***		***1.6***		***0***		***0***		***0***		***1,600,000.***		***12,000.***		***390.***		***230.***		***0***		***0***		***22.***		***0***		***0***		***0***
Materials																																
PVC	lb	0	22	0	0.0006	0	0.0069	0	0	0	0	0	4.1	0	0.0048	0	0.0076	0	0.0012	0	2E-06	0	2E-06	0	0.0005	0	3E-07	0	1E-07	0	7E-09	0
HDPE	lb	0	31	0	0.0003	0	0.0023	0	0	0	0	0	1.9	0	0.0032	0	0.0041	0	0.0006	0	4E-07	0	1E-06	0	3E-06	0	3E-09	0	2E-09	0	1E-09	0
Steel	lb	0	4.4	0	0.0002	0	0.0006	0	0	0	0	0	1.1	0	0.0014	0	0.0017	0	0.0006	0	0.0003	0	0	0	7E-05	0	1E-07	0	3E-06	0	7E-12	0
Stainless Steel	lb	0	11.6	0	0.0006	0	0.0023	0	0	0	0	0	3.4	0	0.0075	0	0.012	0	0.0044	0	0.0006	0	0	0	0.0001	0	0	0	5E-07	0	2E-12	0
Gravel/sand	ton	0	55	0	0.0027	0	0.13	0	0	0	0	0	6.7	0	0.033	0	0.03	0	0.004	0	0	0	0	0	4E-07	0	6E-11	0	1E-09	0	2E-16	0
Cement Grout	dry-ton	0	4100	0	0.13	0	0.41	0	0	0	0	0	1800	0	3.6	0	2.1	0	0.0063	0	0	0	0	0	0.058	0	6E-05	0	0.0001	0	9E-11	0
Concrete	tons	0	793	0	0.026	0	0.19	0	0	0	0	0	335	0	0.68	0	0.41	0	0.0044	0	3E-08	0	0	0	0.011	0	1E-05	0	2E-05	0	2E-11	0
Bentonite	ton	0	55	0	0.0027	0	0.13	0	0	0	0	0	6.7	0	0.033	0	0.03	0	0.004	0	0	0	0	0	4E-07	0	6E-11	0	1E-09	0	2E-16	0
Regenerated GAC	lbs	0	9.6	0	0.0004	0	0.0064	0	0	0	0	0	2	0	0.025	0	0.015	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Molasses)	lbs	0	1.31	0	5E-06	0	9E-05	0	0	0	0	0	0.4	0	0.003	0	0.0026	0	6E-05	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	0	1.87	0	0	0	0	0	0	0	0	0	1.1	0	0.0083	0	0.0099	0	0.0002	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	0	3.6	0	6E-05	0	2E-05	0	0	0	0	0	3.51	0	0.0265	0	0.031	0	0.0017	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Produced	gal	0	18.5	0	0.0006	0	0.0008	0	0	0	0	0	2.7	0	0.0064	0	0.013	0	0.0003	0	4E-07	0	0	0	0.0001	0	5E-08	0	2E-06	0	3E-14	0
Gasoline Produced	gal	0	21	0	0.0006	0	0.0008	0	0	0	0	0	4.4	0	0.008	0	0.019	0	0.0005	0	4E-07	0	0	0	0.0002	0	9E-08	0	2E-06	0	3E-14	0
Natural Gas Produced	ccf	0	5.2	0	0.0003	0	8E-05	0	0	0	0	0	2.2	0	0.0037	0	0.0046	0	7E-05	0	0	0	0	0	6E-06	0	2E-08	0	9E-07	0	5E-14	0
Groundwater Extracted On-site	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Produced	gal x 1000	0	9.2	0	0.0004	0	0.021	0	0	0	0	0	5	0	0.0097	0	0.0059	0	0.016	0	8E-07	0	0	0	2E-05	0	8E-09	0	7E-08	0	1E-13	0
Potable Water Transported	gal x 1000	6851	7.4	51,000.	0.0006	4.4	0.0047	32.	0	0	0	0	0.5168	3,500.	0.0005	3.7	0.0043	30.	6E-05	0.39	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	0	0	0	0	0	0	0	0	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				***51,000.***		***4.4***		***32.***		***0***		***0***		***3,500.***		***3.7***		***30.***		***0.39***		***0.004***		***0***		***0***		***0.018***		***0.00027***		***0.0000000002***
Waste and Other Services																																
Off-site waste water treatment	gal x 1000	0	3.7	0	0.0002	0	0.0008	0	0	0	0	0	3	0	0.0061	0	0.0029	0	8E-05	0	5E-07	0	0	0	0.0001	0	8E-08	0	6E-07	0	1E-12	0
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	160	0	0.0077	0	0.15	0	0	0	0	0	25	0	0.14	0	0.075	0	0.4	0	8E-06	0	0	0	0.0014	0	1E-06	0	8E-06	0	1E-11	0
Hazardous Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Disposal	ton	0	176	0	0.0085	0	0.165	0	0	0	0	0	27.5	0	0.154	0	0.0825	0	0.44	0	9E-06	0	0	0	0.0015	0	1E-06	0	8E-06	0	1E-11	0
Laboratory Analysis	$	0	8.8	0	0.0005	0	0.0006	0	0	0	0	0	1.3	0	0.0045	0	0.003	0	0.0001	0	0	0	0	0	0.0002	0	0	0	0	0	0	0
Waste and Other Services Subtotal				***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***
Other																																
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Subtotal				***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***

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

		Quantity Used	Level 2 (Transport.) Total On-Site and Off-Site Parameters - Alternative 3														
			Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
			Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
			Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Totals			***10,000,000.***	***6.***	***32.***	***0***	***0***	***1,600,000.***	***12,000.***	***420.***	***230.***	***0.004***	***0***	***22.***	***0.018***	***0.00027***	***0.0000000002***
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	63357	8,800,000.	0	0	0	0	1,400,000.	11,000.	340.	220.	0	0	19.	0	0	0
Gasoline (off-site use)	gal	11483	1,400,000.	0	0	0	0	230,000.	1,300.	52.	6.2	0	0	3.4	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	13	5,300.	1.6	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			***10,000,000.***	***1.6***	***0***	***0***	***0***	***1,600,000.***	***12,000.***	***390.***	***230.***	***0***	***0***	***22.***	***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	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
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	6851	51,000.	4.4	32.	0	0	3,500.	3.7	30.	0.39	0.004	0	0	0.018	0.00027	0.0000000002
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			***51,000.***	***4.4***	***32.***	***0***	***0***	***3,500.***	***3.7***	***30.***	***0.39***	***0.004***	***0***	***0***	***0.018***	***0.00027***	***0.0000000002***
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

		Quantity Used	Level 3 (Off-Site) Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 3																									
			Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
			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				***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	0	22.5	0	0.17	0	0.0054	0	0.0034	0	0	0	0	0	0.0003	0	0	0	0	0	0	0
Gasoline (on-site use)	gal	0	124	0	0	0	0	0	0	0	0	0	19.6	0	0.11	0	0.0045	0	0.0005	0	0	0	0	0	0.0003	0	0	0	0	0	0	0
Natural gas (on-site use)	ccf	0	103	0	0	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0.29	0	0	0	0	0	0	0
Diesel (off-site use)	gal	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site electricity use	MWh	0	3413	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity transmission*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity production*	MWh	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Energy Subtotal				***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***	***0***
Materials																															
PVC	lb	9300	0	0	0	0	0	0	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	15300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gravel/sand	ton	5651	0	0	0	0	0	0	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	0	0	0	0	0	0	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	0	0	0	0	0	0	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	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	2612100	0	0	0	0	0	0	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	1201000	0	0	0	0	0	0	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	73656	0	0	0	0	0	0	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	11610.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Groundwater Extracted On-site	gal x 1000	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Produced	gal x 1000	6851	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Transported	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Used	gal x 1000	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other On-Site Water Used	gal x 1000	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials Subtotal				***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***	***0***
Waste and Other Services																															
Off-site waste water treatment	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Hazardous Waste Disposal	ton	6300	0	0	0	0	0	0	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	$	839100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste and Other Services Subtotal				***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***	***0***
Other																															
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Subtotal				***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***	***0***

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

		Quantity Used	Level 3 (Off-Site) Parameters Used, Extracted, Emitted, or Generated Off-Site - Alternative 3																									
			Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
			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				***17,000,000.***		***580.***		***3,000.***		***0***		***0***		***4,300,000.***		***24,000.***		***24,000.***		***3,500.***		***4.***		***0.015***		***210.***		***0.025***		***0.25***		***0.000064***
Energy																															
Diesel (on-site)	gal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gasoline (on-site use)	gal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural gas (on-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel (off-site use)	gal	0	139	0	0	0	0	0	0	0	0	0	22.5	0	0.17	0	0.0054	0	0.0034	0	0	0	0	0	0.0003	0	0	0	0	0	0
Gasoline (off-site use)	gal	0	124	0	0	0	0	0	0	0	0	0	19.6	0	0.11	0	0.0045	0	0.0005	0	0	0	0	0	0.0003	0	0	0	0	0	0
Natural gas (off-site use)	ccf	0	103	0	0	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0.29	0	0	0	0	0	0
On-site electricity use	MWh	0	0	0	0	0	0	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	13	7800	100,000.	0.06	0.78	7.3	95.	0	0	0	0	800	10,000.	0.84	11.	6.7	87.	0.087	1.1	0.0009	0.012	0	0	0.017	0.22	3E-06	0.000034	3E-05	0.0004	9E-12	0.00000000011
Energy Subtotal				***100,000.***		***0.78***		***95.***		***0***		***0***		***10,000.***		***11.***		***87.***		***1.1***		***0.012***		***0***		***0.22***		***0.000034***		***0.0004***		***0.00000000011***
Materials																															
PVC	lb	9300	22	200,000.	0.0006	5.2	0.0069	64.	0	0	0	0	4.1	38,000.	0.0048	45.	0.0076	71.	0.0012	11.	2E-06	0.02	2E-06	0.015	0.0005	4.4	3E-07	0.0032	1E-07	0.0012	7E-09	0.000064
HDPE	lb	0	31	0	0.0003	0	0.0023	0	0	0	0	0	1.9	0	0.0032	0	0.0041	0	0.0006	0	4E-07	0	1E-06	0	3E-06	0	3E-09	0	2E-09	0	1E-09	0
Steel	lb	15300	4.4	67,000.	0.0002	3.2	0.0006	9.8	0	0	0	0	1.1	17,000.	0.0014	21.	0.0017	26.	0.0006	8.6	0.0003	3.8	0	0	7E-05	1.	1E-07	0.0015	3E-06	0.038	7E-12	0.000000099
Stainless Steel	lb	0	11.6	0	0.0006	0	0.0023	0	0	0	0	0	3.4	0	0.0075	0	0.012	0	0.0044	0	0.0006	0	0	0	0.0001	0	0	0	5E-07	0	2E-12	0
Gravel/sand	ton	5651	55	310,000.	0.0027	15.	0.13	730.	0	0	0	0	6.7	38,000.	0.033	190.	0.03	170.	0.004	23.	0	0	0	0	4E-07	0.0023	6E-11	0.00000036	1E-09	0.0000068	2E-16	0.000000000085
Cement Grout	dry-ton	82	4100	340,000.	0.13	11.	0.41	34.	0	0	0	0	1800	150,000.	3.6	300.	2.1	170.	0.0063	0.52	0	0	0	0	0.058	4.8	6E-05	0.0047	0.0001	0.011	9E-11	0.000000007
Concrete	tons	375	793	300,000.	0.026	9.8	0.19	71.	0	0	0	0	335	130,000.	0.68	260.	0.41	150.	0.0044	1.7	3E-08	0.000011	0	0	0.011	4.1	1E-05	0.0038	2E-05	0.009	2E-11	0.000000006
Bentonite	ton	1	55	55.	0.0027	0.0027	0.13	0.13	0	0	0	0	6.7	6.7	0.033	0.033	0.03	0.03	0.004	0.004	0	0	0	0	4E-07	0.00000041	6E-11	0.000000000064	1E-09	0.0000000012	2E-16	0.000000000000015
Regenerated GAC	lbs	0	9.6	0	0.0004	0	0.0064	0	0	0	0	0	2	0	0.025	0	0.015	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Molasses)	lbs	2612100	1.31	3,400,000.	5E-06	13.	9E-05	240.	0	0	0	0	0.4	1,000,000.	0.003	7,800.	0.0026	6,800.	6E-05	160.	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	1201000	1.87	2,200,000.	0	0	0	0	0	0	0	0	1.1	1,300,000.	0.0083	10,000.	0.0099	12,000.	0.0002	200.	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	0	3.6	0	6E-05	0	2E-05	0	0	0	0	0	3.51	0	0.0265	0	0.031	0	0.0017	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Produced	gal	73656	18.5	1,400,000.	0.0006	43.	0.0008	57.	0	0	0	0	2.7	200,000.	0.0064	470.	0.013	960.	0.0003	25.	4E-07	0.027	0	0	0.0001	8.8	5E-08	0.0035	2E-06	0.11	3E-14	0.0000000022
Gasoline Produced	gal	11610.2	21	240,000.	0.0006	6.9	0.0008	9.2	0	0	0	0	4.4	51,000.	0.008	93.	0.019	220.	0.0005	6.	4E-07	0.0049	0	0	0.0002	1.9	9E-08	0.00099	2E-06	0.026	3E-14	0.00000000036
Natural Gas Produced	ccf	0	5.2	0	0.0003	0	8E-05	0	0	0	0	0	2.2	0	0.0037	0	0.0046	0	7E-05	0	0	0	0	0	6E-06	0	2E-08	0	9E-07	0	5E-14	0
Groundwater Extracted On-site	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Produced	gal x 1000	6851	9.2	63,000.	0.0004	3.	0.021	140.	0	0	0	0	5	34,000.	0.0097	66.	0.0059	40.	0.016	110.	8E-07	0.0057	0	0	2E-05	0.1	8E-09	0.000056	7E-08	0.00046	1E-13	0.00000000069
Potable Water Transported	gal x 1000	0	7.4	0	0.0006	0	0.0047	0	0	0	0	0	0.5168	0	0.0005	0	0.0043	0	6E-05	0	6E-07	0	0	0	0	0	3E-06	0	4E-08	0	3E-14	0
Potable Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other On-Site Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials Subtotal				***8,500,000.***		***110.***		***1,400.***		***0***		***0***		***3,000,000.***		***19,000.***		***21,000.***		***550.***		***3.9***		***0.015***		***25.***		***0.018***		***0.2***		***0.000064***
Waste and Other Services																															
Off-site waste water treatment	gal x 1000	0	3.7	0	0.0002	0	0.0008	0	0	0	0	0	3	0	0.0061	0	0.0029	0	8E-05	0	5E-07	0	0	0	0.0001	0	8E-08	0	6E-07	0	1E-12	0
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	160	0	0.0077	0	0.15	0	0	0	0	0	25	0	0.14	0	0.075	0	0.4	0	8E-06	0	0	0	0.0014	0	1E-06	0	8E-06	0	1E-11	0
Hazardous Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Disposal	ton	6300	176	1,100,000.	0.0085	54.	0.165	1,000.	0	0	0	0	27.5	170,000.	0.154	970.	0.0825	520.	0.44	2,800.	9E-06	0.055	0	0	0.0015	9.7	1E-06	0.0067	8E-06	0.053	1E-11	0.000000083
Laboratory Analysis	$	839100	8.8	7,400,000.	0.0005	420.	0.0006	470.	0	0	0	0	1.3	1,100,000.	0.0045	3,800.	0.003	2,500.	0.0001	96.	0	0	0	0	0.0002	170.	0	0	0	0	0	0
Waste and Other Services Subtotal				***8,500,000.***		***470.***		***1,500.***		***0***		***0***		***1,300,000.***		***4,800.***		***3,000.***		***2,900.***		***0.055***		***0***		***180.***		***0.0067***		***0.053***		***0.000000083***
Other																															
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Subtotal				***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***

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

		Quantity Used	Level 3 (Off-Site) Total On-Site and Off-Site Parameters - Alternative 3														
			Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
			Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
			Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Totals			***17,000,000.***	***580.***	***3,000.***	***0***	***0***	***4,300,000.***	***24,000.***	***24,000.***	***3,500.***	***4.***	***0.015***	***210.***	***0.025***	***0.25***	***0.000064***
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gasoline (off-site use)	gal	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
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	13	100,000.	0.78	95.	0	0	10,000.	11.	87.	1.1	0.012	0	0.22	0.000034	0.0004	0.00000000011
Energy Subtotal			***100,000.***	***0.78***	***95.***	***0***	***0***	***10,000.***	***11.***	***87.***	***1.1***	***0.012***	***0***	***0.22***	***0.000034***	***0.0004***	***0.00000000011***
Materials																	
PVC	lb	9300	200,000.	5.2	64.	0	0	38,000.	45.	71.	11.	0.02	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	15300	67,000.	3.2	9.8	0	0	17,000.	21.	26.	8.6	3.8	0	1.	0.0015	0.038	0.000000099
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gravel/sand	ton	5651	310,000.	15.	730.	0	0	38,000.	190.	170.	23.	0	0	0.0023	0.00000036	0.0000068	0.000000000000085
Cement Grout	dry-ton	82	340,000.	11.	34.	0	0	150,000.	300.	170.	0.52	0	0	4.8	0.0047	0.011	0.000000007
Concrete	tons	375	300,000.	9.8	71.	0	0	130,000.	260.	150.	1.7	0.000011	0	4.1	0.0038	0.009	0.000000006
Bentonite	ton	1	55.	0.0027	0.13	0	0	6.7	0.033	0.03	0.004	0	0	0.00000041	0.000000000064	0.0000000012	0.000000000000000015
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Molasses)	lbs	2612100	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	1201000	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	73656	1,400,000.	43.	57.	0	0	200,000.	470.	960.	25.	0.027	0	8.8	0.0035	0.11	0.0000000022
Gasoline Produced	gal	11610.2	240,000.	6.9	9.2	0	0	51,000.	93.	220.	6.	0.0049	0	1.9	0.00099	0.026	0.00000000036
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	6851	63,000.	3.	140.	0	0	34,000.	66.	40.	110.	0.0057	0	0.1	0.000056	0.00046	0.00000000069
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			***8,500,000.***	***110.***	***1,400.***	***0***	***0***	***3,000,000.***	***19,000.***	***21,000.***	***550.***	***3.9***	***0.015***	***25.***	***0.018***	***0.2***	***0.000064***
Waste and Other Services																	
Off-site waste water treatment	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Disposal	ton	6300	1,100,000.	54.	1,000.	0	0	170,000.	970.	520.	2,800.	0.055	0	9.7	0.0067	0.053	0.000000083
Laboratory Analysis	$	839100	7,400,000.	420.	470.	0	0	1,100,000.	3,800.	2,500.	96.	0	0	170.	0	0	0
Waste and Other Services Subtotal			***8,500,000.***	***470.***	***1,500.***	***0***	***0***	***1,300,000.***	***4,800.***	***3,000.***	***2,900.***	***0.055***	***0***	***180.***	***0.0067***	***0.053***	***0.000000083***
Other																	
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Subtotal			***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***

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

Traffic and Personnel - Alternative 3

Item	Units	Level 1 -On-Site	Level 2 - Transport.	Level 3 - Off-Site	Level 4 - Not Used	Level 5 - Not Used	Level 6 - Not Used	Total
Traffic								
Number of passenger car trips to the site	trips		0					**0**
Number of light-duty truck trips to the site	trips		1312					**1,312**
Number of freight or other heavy duty truck trips to the site	trips		1465					**1,465**
Total passenger car miles driven	miles		0					**0**
Total light-duty truck miles driven	miles		114828					**114,828**
Total freight or other heavey duty truck miles driven	miles		700000					**700,000**
Personnel								
On-site man days worked	man-days	4036						**4,036**

Alternative:	**Alternative 4**
Alternative Name:	**P&T**
Path Name:	
Main File Name:	Green Remediation Tool Main.xlsx
Reference File Name:	Green Remediation Tool Reference.xlsx
Module File Name:	alternative 4 v1 inventory modules.xlsx

Variables In Alternative:

Level 1	On-Site
Level 2	Transport.
Level 3	Off-Site
Level 4	Not Used
Level 5	Not Used
Level 6	Not Used

Usage Input - Alternative 4

	Abbreviation	Units	Level 1 On-Site	Level 2 Transport.	Level 3 Off-Site	Level 4 Not Used	Level 5 Not Used	Level 6 Not Used	Total
Energy									
Diesel (on-site)	Diesel-On	gal	4639						4639
Gasoline (on-site use)	Gas-On	gal	445.2						445.2
Natural gas (on-site use)	NG-On	ccf							0
Diesel (off-site use)	Diesel-Off	gal		52571					52571
Gasoline (off-site use)	Gas-Off	gal		24081					24081
Natural gas (off-site use)	NG-Off	ccf							0
On-site electricity use	Elec. Use	MWh	7600						7600
Electricity transmission*	Elec. Trans	MWh		7600					7600
Electricity production*	Elec. Prod	MWh			7600				7600
Materials									
PVC	PVC	lb			3300				3300
HDPE	HDPE	lb			2000				2000
Steel	Steel	lb			56900				56900
Stainless Steel	S. Steel	lb			2100				2100
Gravel/sand	Sand	ton			5637				5637
Cement Grout	Cement	dry-ton			26				26
Concrete	Concrete	tons			349				349
Bentonite	Bent.	ton			0				0
Regenerated GAC	GAC-R	lbs			8360000				8360000
Bioinjection (Molasses)	Bio#1	lbs			0				0
Bioinjection (Cheese Whey)	Bio#2	lbs			0				0
Bioinjection (Vegetable Oil)	Bio#3	lbs			0				0
Diesel Produced	Diesel-Pro	gal			57210				57210
Gasoline Produced	Gas-Pro	gal			24526.2				24526.2
Natural Gas Produced	NG-Pro	ccf			0				0
Groundwater Extracted On-site	GW Ext	gal x 1000	2733132						2733132
Potable Water Produced	PW Pro.	gal x 1000			4				4
Potable Water Transported	PW Trans.	gal x 1000		4					4
Potable Water Used	PW Used	gal x 1000	4						4
Other On-Site Water Used	OW	gal x 1000							0
Waste and Other Services									
Off-site waste water treatment	POTW	gal x 1000			2733000				2733000
Solid Waste Generation	SW-Gen	ton	0						0
Solid Waste Disposal	SW-Disp	ton			0				0
Hazardous Waste Generation	HW-Gen	ton	6200						6200
Hazardous Waste Disposal	HW-Disp	ton			6200				6200
Laboratory Analysis	Lab	$			1103400				1103400
Other									
On-site process emissions (HAPs)	Proc. HAPs	lbs	17800						17800
On-site process emissions (GHGs)	Proc. GHGs	lbs CO2e	192000						192000

Notes:

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

	Totals For Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 4														
	Energy Used	Electricity Used	All Water Used	Potable Water Used	Groundwater Extracted	CO2e Emitted	NO x Emitted	SO x Emitted	PM Emitted	Solid Waste Generated	Haz. Waste Generated	Air Toxics Emitted	Mercury Released	Lead Released	Dioxins Released
	Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Level 1 - On-Site															
Energy	27,000,000.	7,600.	0	0	0	110,000.	840.	27.	16.	0	0	1.5	0	0	0
Materials	0	0	2,700,000.	4.	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	6,200.	0	0	0	0
Other	0	0	0	0	0	190,000.	0	0	0	0	0	18,000.	0	0	0
On-Site Total	***27,000,000.***	***7,600.***	***2,700,000.***	***4.***	***2,700,000.***	***300,000.***	***840.***	***27.***	***16.***	***0***	***6,200.***	***18,000.***	***0***	***0***	***0***
Level 2 - Transport.															
Energy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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
Transport. Total	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***
Level 3 - Off-Site															
Energy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***
Level 4 - Not Used															
Energy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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
Not Used Total	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***
Level 5 - Not Used															
Energy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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
Not Used Total	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***
Level 6 - Not Used															
Energy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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
Not Used Total	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***
Total	***27,000,000.***	***7,600.***	***2,700,000.***	***4.***	***2,700,000.***	***300,000.***	***840.***	***27.***	***16.***	***0***	***6,200.***	***18,000.***	***0***	***0***	***0***

	Totals For Parameters Used, Extracted, Emitted, or Generated Off-Site - Alternative 4														
	Energy Used	Electricity Used	All Water Used	Potable Water Used	Groundwater Extracted	CO2e Emitted	NO x Emitted	SO x Emitted	PM Emitted	Solid Waste Generated	Haz. Waste Generated	Air Toxics Emitted	Mercury Released	Lead Released	Dioxins Released
	Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Level 1 - On-Site															
Energy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***
Level 2 - Transport.															
Energy	13,000,000.	910.	0	0	0	1,700,000.	12,000.	390.	190.	0	0	23.	0	0	0
Materials	30.	0.0026	0.019	0	0	2.1	0.0022	0.017	0.00022	0.0000023	0	0	0.000011	0.00000016	0.00000000000012
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
Transport. Total	***13,000,000.***	***910.***	***0.019***	***0***	***0***	***1,700,000.***	***12,000.***	***390.***	***190.***	***0.0000023***	***0***	***23.***	***0.000011***	***0.00000016***	***0.00000000000012***
Level 3 - Off-Site															
Energy	59,000,000.	460.	55,000.	0	0	6,100,000.	6,400.	51,000.	660.	6.8	0	130.	0.02	0.24	0.000000065
Materials	83,000,000.	3,800.	55,000.	0	0	18,000,000.	210,000.	130,000.	100.	15.	0.0073	22.	0.017	0.29	0.000025
Waste/Services	21,000,000.	1,100.	3,900.	0	0	9,800,000.	23,000.	12,000.	3,100.	1.4	0	570.	0.23	1.8	0.0000028
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Total	***160,000,000.***	***5,400.***	***110,000.***	***0***	***0***	***34,000,000.***	***240,000.***	***190,000.***	***3,900.***	***23.***	***0.0073***	***720.***	***0.27***	***2.3***	***0.000028***
Level 4 - Not Used															
Energy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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
Not Used Total	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***
Level 5 - Not Used															
Energy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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
Not Used Total	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***
Level 6 - Not Used															
Energy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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
Not Used Total	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***
Total	***170,000,000.***	***6,300.***	***110,000.***	***0***	***0***	***36,000,000.***	***250,000.***	***190,000.***	***4,100.***	***23.***	***0.0073***	***740.***	***0.27***	***2.3***	***0.000028***

	Totals for On-Site and Off-Site Parameters - Alternative 4														
	Energy Used	Electricity Used	All Water Used	Potable Water Used	Groundwater Extracted	CO2e Emitted	NO x Emitted	SO x Emitted	PM Emitted	Solid Waste Generated	Haz. Waste Generated	Air Toxics Emitted	Mercury Released	Lead Released	Dioxins Released
	Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Level 1 - On-Site															
Energy	27,000,000.	7,600.	0	0	0	110,000.	840.	27.	16.	0	0	1.5	0	0	0
Materials	0	0	2,700,000.	4.	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	6,200.	0	0	0	0
Other	0	0	0	0	0	190,000.	0	0	0	0	0	18,000.	0	0	0
On-Site Total	***27,000,000.***	***7,600.***	***2,700,000.***	***4.***	***2,700,000.***	***300,000.***	***840.***	***27.***	***16.***	***0***	***6,200.***	***18,000.***	***0***	***0***	***0***
Level 2 - Transport.															
Energy	13,000,000.	910.	0	0	0	1,700,000.	12,000.	390.	190.	0	0	23.	0	0	0
Materials	30.	0.0026	0.019	0	0	2.1	0.0022	0.017	0.00022	0.0000023	0	0	0.000011	0.00000016	0.00000000000012
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
Transport. Total	***13,000,000.***	***910.***	***0.019***	***0***	***0***	***1,700,000.***	***12,000.***	***390.***	***190.***	***0.0000023***	***0***	***23.***	***0.000011***	***0.00000016***	***0.00000000000012***
Level 3 - Off-Site															
Energy	59,000,000.	460.	55,000.	0	0	6,100,000.	6,400.	51,000.	660.	6.8	0	130.	0.02	0.24	0.000000065
Materials	83,000,000.	3,800.	55,000.	0	0	18,000,000.	210,000.	130,000.	100.	15.	0.0073	22.	0.017	0.29	0.000025
Waste/Services	21,000,000.	1,100.	3,900.	0	0	9,800,000.	23,000.	12,000.	3,100.	1.4	0	570.	0.23	1.8	0.0000028
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-Site Total	***160,000,000.***	***5,400.***	***110,000.***	***0***	***0***	***34,000,000.***	***240,000.***	***190,000.***	***3,900.***	***23.***	***0.0073***	***720.***	***0.27***	***2.3***	***0.000028***
Level 4 - Not Used															
Energy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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
Not Used Total	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***
Level 5 - Not Used															
Energy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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
Not Used Total	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***
Level 6 - Not Used															
Energy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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
Not Used Total	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***
Total	***200,000,000.***	***14,000.***	***2,800,000.***	***4.***	***2,700,000.***	***36,000,000.***	***250,000.***	***190,000.***	***4,100.***	***23.***	***6,200.***	***19,000.***	***0.27***	***2.3***	***0.000028***

	Percentages For Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 4														
	Energy Used	Electricity Used	All Water Used	Potable Water Used	Groundwater Extracted	CO2e Emitted	NO x Emitted	SO x Emitted	PM Emitted	Solid Waste Generated	Haz. Waste Generated	Air Toxics Emitted	Mercury Released	Lead Released	Dioxins Released
	Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Level 1 - On-Site															
Energy	100%	100%	0%	0%	0%	37%	100%	100%	100%	0%	0%	<1%	0%	0%	0%
Materials	0%	0%	100%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Waste/Services	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	63%	0%	0%	0%	0%	0%	100%	0%	0%	0%
On-Site Total	***100%***	***100%***	***100%***	***100%***	***100%***	***100%***	***100%***	***100%***	***100%***	***0%***	***100%***	***100%***	***0%***	***0%***	***0%***
Level 2 - Transport.															
Energy	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Materials	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
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%
Transport. Total	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***
Level 3 - Off-Site															
Energy	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Materials	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
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	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***
Level 4 - Not Used															
Energy	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Materials	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
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	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***
Level 5 - Not Used															
Energy	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Materials	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
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	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***
Level 6 - Not Used															
Energy	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Materials	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
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	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***

	Percentages For Parameters Used, Extracted, Emitted, or Generated Off-Site - Alternative 4														
	Energy Used	Electricity Used	All Water Used	Potable Water Used	Groundwater Extracted	CO2e Emitted	NO x Emitted	SO x Emitted	PM Emitted	Solid Waste Generated	Haz. Waste Generated	Air Toxics Emitted	Mercury Released	Lead Released	Dioxins Released
	Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Level 1 - On-Site															
Energy	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Materials	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
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	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***
Level 2 - Transport.															
Energy	8%	14%	0%	0%	0%	5%	5%	<1%	5%	0%	0%	3%	0%	0%	0%
Materials	<1%	<1%	<1%	0%	0%	<1%	<1%	<1%	<1%	<1%	0%	0%	<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%
Transport. Total	***8%***	***14%***	***<1%***	***0%***	***0%***	***5%***	***5%***	***<1%***	***5%***	***<1%***	***0%***	***3%***	***<1%***	***<1%***	***<1%***
Level 3 - Off-Site															
Energy	34%	7%	50%	0%	0%	17%	3%	27%	16%	30%	0%	17%	7%	10%	<1%
Materials	48%	60%	50%	0%	0%	50%	83%	68%	2%	65%	100%	3%	6%	13%	89%
Waste/Services	12%	17%	4%	0%	0%	27%	9%	6%	76%	6%	0%	77%	85%	78%	10%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Off-Site Total	***94%***	***85%***	***104%***	***0%***	***0%***	***95%***	***95%***	***101%***	***94%***	***101%***	***100%***	***97%***	***99%***	***101%***	***99%***
Level 4 - Not Used															
Energy	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Materials	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
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	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***
Level 5 - Not Used															
Energy	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Materials	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
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	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***
Level 6 - Not Used															
Energy	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Materials	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
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	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***

	Percentages for Total On-Site and Off-Site Parameters - Alternative 4														
	Energy Used	Electricity Used	All Water Used	Potable Water Used	Groundwater Extracted	CO2e Emitted	NO x Emitted	SO x Emitted	PM Emitted	Solid Waste Generated	Haz. Waste Generated	Air Toxics Emitted	Mercury Released	Lead Released	Dioxins Released
	Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Level 1 - On-Site															
Energy	14%	55%	0%	0%	0%	<1%	<1%	<1%	<1%	0%	0%	<1%	0%	0%	0%
Materials	0%	0%	96%	100%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Waste/Services	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	<1%	0%	0%	0%	0%	0%	96%	0%	0%	0%
On-Site Total	***14%***	***55%***	***96%***	***100%***	***100%***	***<1%***	***<1%***	***<1%***	***<1%***	***0%***	***100%***	***96%***	***0%***	***0%***	***0%***
Level 2 - Transport.															
Energy	7%	7%	0%	0%	0%	5%	5%	<1%	5%	0%	0%	<1%	0%	0%	0%
Materials	<1%	<1%	<1%	0%	0%	<1%	<1%	<1%	<1%	<1%	0%	0%	<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%
Transport. Total	***7%***	***7%***	***<1%***	***0%***	***0%***	***5%***	***5%***	***<1%***	***5%***	***<1%***	***0%***	***<1%***	***<1%***	***<1%***	***<1%***
Level 3 - Off-Site															
Energy	30%	3%	2%	0%	0%	17%	3%	27%	16%	30%	0%	<1%	7%	10%	<1%
Materials	42%	27%	2%	0%	0%	50%	83%	68%	2%	65%	<1%	<1%	6%	13%	89%
Waste/Services	11%	8%	<1%	0%	0%	27%	9%	6%	75%	6%	0%	3%	85%	78%	10%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Off-Site Total	***82%***	***39%***	***4%***	***0%***	***0%***	***94%***	***95%***	***101%***	***94%***	***101%***	***<1%***	***3%***	***99%***	***101%***	***99%***
Level 4 - Not Used															
Energy	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Materials	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
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	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***
Level 5 - Not Used															
Energy	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Materials	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
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	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***
Level 6 - Not Used															
Energy	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Materials	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
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	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***	***0%***

		Quantity Used	All Levels - Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 4																									
			Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
			Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Extracted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Generated	Conv. Factor	Generated	Conv. Factor	Emitted	Conv. Factor	Released	Conv. Factor	Released	Conv. Factor	Released
				Mbtu		MWh		gal x 1000		gal x 1000		gal x 1000		lbs		lbs		lbs		lbs		tons		tons		lbs		lbs		lbs		lbs
Totals				***27,000,000.***		***7,600.***		***2,700,000.***		***4.***		***2,700,000.***		***300,000.***		***840.***		***27.***		***16.***		***0***		***6,200.***		***18,000.***		***0***		***0***		***0***
Energy																																
Diesel (on-site)	gal	4639	139	640,000.	0	0	0	0	0	0	0	0	22.5	100,000.	0.17	790.	0.0054	25.	0.0034	16.	0	0	0	0	0.0003	1.4	0	0	0	0	0	0
Gasoline (on-site use)	gal	445.2	124	55,000.	0	0	0	0	0	0	0	0	19.6	8,700.	0.11	49.	0.0045	2.	0.0005	0.24	0	0	0	0	0.0003	0.13	0	0	0	0	0	0
Natural gas (on-site use)	ccf	0	103	0	0	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0.29	0	0	0	0	0	0	0
Diesel (off-site use)	gal	52571	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site electricity use	MWh	7600	3413	26,000,000.	1	7,600.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity transmission*	MWh	7600	0	0	0	0	0	0	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	7600	0	0	0	0	0	0	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.***		***840.***		***27.***		***16.***		***0***		***0***		***1.5***		***0***		***0***		***0***
Materials																																
PVC	lb	3300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HDPE	lb	2000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Steel	lb	56900	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stainless Steel	lb	2100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gravel/sand	ton	5637	0	0	0	0	0	0	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	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bentonite	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Regenerated GAC	lbs	8360000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Produced	gal	57210	0	0	0	0	0	0	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	24526.2	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	2733132	0	0	0	0	1	2,700,000.	0	0	1	2,700,000.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Produced	gal x 1000	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
Potable Water Transported	gal x 1000	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
Potable Water Used	gal x 1000	4	0	0	0	0	1	4.	1	4.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other On-Site Water Used	gal x 1000	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials Subtotal				***0***		***0***		***2,700,000.***		***4.***		***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	2733000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Generation	ton	6200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6,200.	0	0	0	0	0	0	0	0
Hazardous Waste Disposal	ton	6200	0	0	0	0	0	0	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	$	1103400	0	0	0	0	0	0	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	17800	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	18,000.	0	0	0	0	0	0
On-site process emissions (GHGs)	lbs CO2e	192000	0	0	0	0	0	0	0	0	0	0	1	190,000.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Subtotal				***0***		***0***		***0***		***0***		***0***		***190,000.***		***0***		***0***		***0***		***0***		***0***		***18,000.***		***0***		***0***		***0***

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

			All Levels - Parameters Used, Extracted, Emitted, or Generated Off-Site - Alternative 4																									
			Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
		Quantity Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Extracted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Generated	Conv. Factor	Generated	Conv. Factor	Emitted	Conv. Factor	Released	Conv. Factor	Released	Conv. Factor	Released
				Mbtu		MWh		gal x 1000		gal x 1000		gal x 1000		lbs		lbs		lbs		lbs		tons		tons		lbs		lbs		lbs		lbs
Totals				***180,000,000.***		***6,300.***		***110,000.***		***0***		***0***		***36,000,000.***		***250,000.***		***190,000.***		***4,100.***		***23.***		***0.0073***		***740.***		***0.27***		***2.3***		***0.000028***
Energy																															
Diesel (on-site)	gal	4639	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gasoline (on-site use)	gal	445.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural gas (on-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel (off-site use)	gal	52571	139	7,300,000.	0	0	0	0	0	0	0	0	22.5	1,200,000.	0.17	8,900.	0.0054	280.	0.0034	180.	0	0	0	0	0.0003	16.	0	0	0	0	0	0	0
Gasoline (off-site use)	gal	24081	124	3,000,000.	0	0	0	0	0	0	0	0	19.6	470,000.	0.11	2,600.	0.0045	110.	0.0005	13.	0	0	0	0	0.0003	7.2	0	0	0	0	0	0	0
Natural gas (off-site use)	ccf	0	103	0	0	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0.29	0	0	0	0	0	0	0	0
On-site electricity use	MWh	7600	0	0	0	0	0	0	0	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	7600	410	3,100,000.	0.12	910.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity production*	MWh	7600	7800	59,000,000.	0.06	460.	7.3	55,000.	0	0	0	0	800	6,100,000.	0.84	6,400.	6.7	51,000.	0.087	660.	0.0009	6.8	0	0	0.017	130.	3E-06	0.02	3E-05	0.24	9E-12	0.000000065
Energy Subtotal				***72,000,000.***		***1,400.***		***55,000.***		***0***		***0***		***7,800,000.***		***18,000.***		***51,000.***		***850.***		***6.8***		***0***		***150.***		***0.02***		***0.24***		***0.000000065***
Materials																															
PVC	lb	3300	22	73,000.	0.0006	1.8	0.0069	23.	0	0	0	0	4.1	14,000.	0.0048	16.	0.0076	25.	0.0012	4.	2E-06	0.0073	2E-06	0.0053	0.0005	1.6	3E-07	0.0011	1E-07	0.00043	7E-09	0.000023
HDPE	lb	2000	31	62,000.	0.0003	0.5	0.0023	4.6	0	0	0	0	1.9	3,800.	0.0032	6.4	0.0041	8.2	0.0006	1.3	4E-07	0.00086	1E-06	0.002	3E-06	0.0068	3E-09	0.0000052	2E-09	0.0000048	1E-09	0.000002
Steel	lb	56900	4.4	250,000.	0.0002	12.	0.0006	36.	0	0	0	0	1.1	63,000.	0.0014	80.	0.0017	97.	0.0006	32.	0.0003	14.	0	0	7E-05	3.8	1E-07	0.0057	3E-06	0.14	7E-12	0.00000037
Stainless Steel	lb	2100	11.6	24,000.	0.0006	1.2	0.0023	4.8	0	0	0	0	3.4	7,100.	0.0075	16.	0.012	25.	0.0044	9.2	0.0006	1.3	0	0	0.0001	0.3	0	0	5E-07	0.0011	2E-12	0.0000000046
Gravel/sand	ton	5637	55	310,000.	0.0027	15.	0.13	730.	0	0	0	0	6.7	38,000.	0.033	190.	0.03	170.	0.004	23.	0	0	0	0	4E-07	0.0023	6E-11	0.00000036	1E-09	0.0000068	2E-16	0.000000000085
Cement Grout	dry-ton	26	4100	110,000.	0.13	3.4	0.41	11.	0	0	0	0	1800	47,000.	3.6	94.	2.1	55.	0.0063	0.16	0	0	0	0	0.058	1.5	6E-05	0.0015	0.0001	0.0034	9E-11	0.0000000022
Concrete	tons	349	793	280,000.	0.026	9.1	0.19	66.	0	0	0	0	335	120,000.	0.68	240.	0.41	140.	0.0044	1.5	3E-08	0.0000098	0	0	0.011	3.8	1E-05	0.0035	2E-05	0.0084	2E-11	0.0000000056
Bentonite	ton	0	55	0	0.0027	0	0.13	0	0	0	0	0	6.7	0	0.033	0	0.03	0	0.004	0	0	0	0	0	4E-07	0	6E-11	0	1E-09	0	2E-16	0
Regenerated GAC	lbs	8360000	9.6	80,000,000.	0.0004	3,700.	0.0064	54,000.	0	0	0	0	2	17,000,000.	0.025	210,000.	0.015	130,000.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Molasses)	lbs	0	1.31	0	5E-06	0	9E-05	0	0	0	0	0	0.4	0	0.003	0	0.0026	0	6E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	0	1.87	0	0	0	0	0	0	0	0	0	1.1	0	0.0083	0	0.0099	0	0.0002	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	0	3.6	0	6E-05	0	2E-05	0	0	0	0	0	3.51	0	0.0265	0	0.031	0	0.0017	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Produced	gal	57210	18.5	1,100,000.	0.0006	34.	0.0008	44.	0	0	0	0	2.7	150,000.	0.0064	370.	0.013	740.	0.0003	19.	4E-07	0.021	0	0	0.0001	6.9	5E-08	0.0027	2E-06	0.086	3E-14	0.00000000017
Gasoline Produced	gal	24526.2	21	520,000.	0.0006	14.	0.0008	19.	0	0	0	0	4.4	110,000.	0.008	200.	0.019	470.	0.0005	13.	4E-07	0.01	0	0	0.0002	3.9	9E-08	0.0021	2E-06	0.054	3E-14	0.00000000076
Natural Gas Produced	ccf	0	5.2	0	0.0003	0	8E-05	0	0	0	0	0	2.2	0	0.0037	0	0.0046	0	7E-05	0	0	0	0	0	6E-06	0	2E-08	0	9E-07	0	5E-14	0
Groundwater Extracted On-site	gal x 1000	2733132	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Produced	gal x 1000	4	9.2	37.	0.0004	0.0018	0.021	0.084	0	0	0	0	5	20.	0.0097	0.039	0.0059	0.024	0.016	0.064	8E-07	0.0000033	0	0	2E-05	0.00006	8E-09	0.000000033	7E-08	0.00000027	1E-13	0.0000000000004
Potable Water Transported	gal x 1000	4	7.4	30.	0.0006	0.0026	0.0047	0.019	0	0	0	0	0.5168	2.1	0.0005	0.0022	0.0043	0.017	6E-05	0.00022	6E-07	0.0000023	0	0	0	0	3E-06	0.000011	4E-08	0.00000016	3E-14	0.0000000000012
Potable Water Used	gal x 1000	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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				***83,000,000.***		***3,800.***		***55,000.***		***0***		***0***		***18,000,000.***		***210,000.***		***130,000.***		***100.***		***15.***		***0.0073***		***22.***		***0.017***		***0.29***		***0.000025***
Waste and Other Services																															
Off-site waste water treatment	gal x 1000	2733000	3.7	10,000,000.	0.0002	490.	0.0008	2,300.	0	0	0	0	3	8,200,000.	0.0061	17,000.	0.0029	7,900.	8E-05	220.	5E-07	1.3	0	0	0.0001	330.	8E-08	0.22	6E-07	1.7	1E-12	0.0000027
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	160	0	0.0077	0	0.15	0	0	0	0	0	25	0	0.14	0	0.075	0	0.4	0	8E-06	0	0	0	0.0014	0	1E-06	0	8E-06	0	1E-11	0
Hazardous Waste Generation	ton	6200	0	0	0	0	0	0	0	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	6200	176	1,100,000.	0.0085	53.	0.165	1,000.	0	0	0	0	27.5	170,000.	0.154	950.	0.0825	510.	0.44	2,700.	9E-06	0.055	0	0	0.0015	9.5	1E-06	0.0066	8E-06	0.052	1E-11	0.000000082
Laboratory Analysis	$	1103400	8.8	9,700,000.	0.0005	550.	0.0006	620.	0	0	0	0	1.3	1,400,000.	0.0045	5,000.	0.003	3,300.	0.0001	130.	0	0	0	0	0.0002	230.	0	0	0	0	0	0
Waste and Other Services Subtotal				***21,000,000.***		***1,100.***		***3,900.***		***0***		***0***		***9,800,000.***		***23,000.***		***12,000.***		***3,100.***		***1.4***		***0***		***570.***		***0.23***		***1.8***		***0.0000028***
Other																															
On-site process emissions (HAPs)	lbs	17800	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site process emissions (GHGs)	lbs CO2e	192000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Subtotal				***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***

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

		Quantity Used	All Levels - Total On-Site and Off-Site Parameters - Alternative 4														
			Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
			Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
			Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Totals			***200,000,000.***	***14,000.***	***2,900,000.***	***4.***	***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	640,000.	0	0	0	0	100,000.	790.	25.	16.	0	0	1.4	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	52571	7,300,000.	0	0	0	0	1,200,000.	8,900.	280.	180.	0	0	16.	0	0	0
Gasoline (off-site use)	gal	24081	3,000,000.	0	0	0	0	470,000.	2,600.	110.	13.	0	0	7.2	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	7600	26,000,000.	7,600.	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity transmission*	MWh	7600	3,100,000.	910.	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity production*	MWh	7600	59,000,000.	460.	55,000.	0	0	6,100,000.	6,400.	51,000.	660.	6.8	0	130.	0.02	0.24	0.000000065
Energy Subtotal			***99,000,000.***	***9,000.***	***55,000.***	***0***	***0***	***7,900,000.***	***19,000.***	***51,000.***	***870.***	***6.8***	***0***	***150.***	***0.02***	***0.24***	***0.000000065***
Materials																	
PVC	lb	3300	73,000.	1.8	23.	0	0	14,000.	16.	25.	4.	0.0073	0.0053	1.6	0.0011	0.00043	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	56900	250,000.	12.	36.	0	0	63,000.	80.	97.	32.	14.	0	3.8	0.0057	0.14	0.00000037
Stainless Steel	lb	2100	24,000.	1.2	4.8	0	0	7,100.	16.	25.	9.2	1.3	0	0.3	0	0.0011	0.0000000046
Gravel/sand	ton	5637	310,000.	15.	730.	0	0	38,000.	190.	170.	23.	0	0	0.0023	0.00000036	0.0000068	0.00000000000085
Cement Grout	dry-ton	26	110,000.	3.4	11.	0	0	47,000.	94.	55.	0.16	0	0	1.5	0.0015	0.0034	0.0000000022
Concrete	tons	349	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	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	1,100,000.	34.	44.	0	0	150,000.	370.	740.	19.	0.021	0	6.9	0.0027	0.086	0.0000000017
Gasoline Produced	gal	24526.2	520,000.	14.	19.	0	0	110,000.	200.	470.	13.	0.01	0	3.9	0.0021	0.054	0.00000000076
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	2,700,000.	0	2,700,000.	0	0	0	0	0	0	0	0	0	0
Potable Water Produced	gal x 1000	4	37.	0.0018	0.084	0	0	20.	0.039	0.024	0.064	0.0000033	0	0.00006	0.000000033	0.00000027	0.0000000000004
Potable Water Transported	gal x 1000	4	30.	0.0026	0.019	0	0	2.1	0.0022	0.017	0.00022	0.0000023	0	0	0.000011	0.00000016	0.0000000000012
Potable Water Used	gal x 1000	4	0	0	4.	4.	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.***	***4.***	***2,700,000.***	***18,000,000.***	***210,000.***	***130,000.***	***100.***	***15.***	***0.0073***	***22.***	***0.017***	***0.29***	***0.000025***
Waste and Other Services																	
Off-site waste water treatment	gal x 1000	2733000	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	6200	0	0	0	0	0	0	0	0	0	0	6,200.	0	0	0	0
Hazardous Waste Disposal	ton	6200	1,100,000.	53.	1,000.	0	0	170,000.	950.	510.	2,700.	0.055	0	9.5	0.0066	0.052	0.000000082
Laboratory Analysis	$	1103400	9,700,000.	550.	620.	0	0	1,400,000.	5,000.	3,300.	130.	0	0	230.	0	0	0
Waste and Other Services Subtotal			***21,000,000.***	***1,100.***	***3,900.***	***0***	***0***	***9,800,000.***	***23,000.***	***12,000.***	***3,100.***	***1.4***	***6,200.***	***570.***	***0.23***	***1.8***	***0.0000028***
Other																	
On-site process emissions (HAPs)	lbs	17800	0	0	0	0	0	0	0	0	0	0	0	18,000.	0	0	0
On-site process emissions (GHGs)	lbs CO2e	192000	0	0	0	0	0	190,000.	0	0	0	0	0	0	0	0	0
Other Subtotal			***0***	***0***	***0***	***0***	***0***	***190,000.***	***0***	***0***	***0***	***0***	***0***	***18,000.***	***0***	***0***	***0***

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

		Quantity Used	Level 1 (On-Site) Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 4																									
			Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
			Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Extracted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Generated	Conv. Factor	Generated	Conv. Factor	Emitted	Conv. Factor	Released	Conv. Factor	Released	Conv. Factor	Released
				Mbtu		MWh		gal x 1000		gal x 1000		gal x 1000		lbs		lbs		lbs		lbs		tons		tons		lbs		lbs		lbs		lbs
Totals				***27,000,000.***		***7,600.***		***2,700,000.***		***4.***		***2,700,000.***		***300,000.***		***840.***		***27.***		***16.***		***0***		***6,200.***		***18,000.***		***0***		***0***		***0***
Energy																															
Diesel (on-site)	gal	4639	139	640,000.	0	0	0	0	0	0	0	0	22.5	100,000.	0.17	790.	0.0054	25.	0.0034	16.	0	0	0	0	0.0003	1.4	0	0	0	0	0	0
Gasoline (on-site use)	gal	445.2	124	55,000.	0	0	0	0	0	0	0	0	19.6	8,700.	0.11	49.	0.0045	2.	0.0005	0.24	0	0	0	0	0.0003	0.13	0	0	0	0	0	0
Natural gas (on-site use)	ccf	0	103	0	0	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0.29	0	0	0	0	0	0	0
Diesel (off-site use)	gal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gasoline (off-site use)	gal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site electricity use	MWh	7600	3413	26,000,000.	1	7,600.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity transmission*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity production*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Energy Subtotal				***27,000,000.***		***7,600.***		***0***		***0***		***0***		***110,000.***		***840.***		***27.***		***16.***		***0***		***0***		***1.5***		***0***		***0***		***0***
Materials																															
PVC	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gravel/sand	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cement Grout	dry-ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Concrete	tons	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bentonite	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Produced	gal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gasoline Produced	gal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Groundwater Extracted On-site	gal x 1000	2733132	0	0	0	0	1	2,700,000.	0	0	1	2,700,000.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Produced	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Transported	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Used	gal x 1000	4	0	0	0	0	1	4.	1	4.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other On-Site Water Used	gal x 1000	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials Subtotal				***0***		***0***		***2,700,000.***		***4.***		***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	0
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Generation	ton	6200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6,200.	0	0	0	0	0	0	0	0
Hazardous Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Laboratory Analysis	$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste and Other Services Subtotal				***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***6,200.***		***0***		***0***		***0***		***0***
Other																															
On-site process emissions (HAPs)	lbs	17800	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	18,000.	0	0	0	0	0	0
On-site process emissions (GHGs)	lbs CO2e	192000	0	0	0	0	0	0	0	0	0	0	1	190,000.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Subtotal				***0***		***0***		***0***		***0***		***0***		***190,000.***		***0***		***0***		***0***		***0***		***0***		***18,000.***		***0***		***0***		***0***

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

		Quantity Used	Level 1 (On-Site) Parameters Used, Extracted, Emitted, or Generated Off-Site - Alternative 4																									
			Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
			Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Extracted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Generated	Conv. Factor	Generated	Conv. Factor	Emitted	Conv. Factor	Released	Conv. Factor	Released	Conv. Factor	Released
				Mbtu		MWh		gal x 1000		gal x 1000		gal x 1000		lbs		lbs		lbs		lbs		tons		tons		lbs		lbs		lbs		lbs
Totals				***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***	***0***
Energy																															
Diesel (on-site)	gal	4639	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gasoline (on-site use)	gal	445.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural gas (on-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel (off-site use)	gal	0	139	0	0	0	0	0	0	0	0	0	22.5	0	0.17	0	0.0054	0	0.0034	0	0	0	0	0	0.0003	0	0	0	0	0	0	0
Gasoline (off-site use)	gal	0	124	0	0	0	0	0	0	0	0	0	19.6	0	0.11	0	0.0045	0	0.0005	0	0	0	0	0	0.0003	0	0	0	0	0	0	0
Natural gas (off-site use)	ccf	0	103	0	0	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0.29	0	0	0	0	0	0	0
On-site electricity use	MWh	7600	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity transmission*	MWh	0	410	0	0.12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity production*	MWh	0	7800	0	0.06	0	7.3	0	0	0	0	0	800	0	0.84	0	6.7	0	0.087	0	0.0009	0	0	0	0.017	0	3E-06	0	3E-05	0	9E-12	0
Energy Subtotal				***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***	***0***
Materials																															
PVC	lb	0	22	0	0.0006	0	0.0069	0	0	0	0	0	4.1	0	0.0048	0	0.0076	0	0.0012	0	2E-06	0	2E-06	0	0.0005	0	3E-07	0	1E-07	0	7E-09	0
HDPE	lb	0	31	0	0.0003	0	0.0023	0	0	0	0	0	1.9	0	0.0032	0	0.0041	0	0.0006	0	4E-07	0	1E-06	0	3E-06	0	3E-09	0	2E-09	0	1E-09	0
Steel	lb	0	4.4	0	0.0002	0	0.0006	0	0	0	0	0	1.1	0	0.0014	0	0.0017	0	0.0006	0	0.0003	0	0	0	7E-05	0	1E-07	0	3E-06	0	7E-12	0
Stainless Steel	lb	0	11.6	0	0.0006	0	0.0023	0	0	0	0	0	3.4	0	0.0075	0	0.012	0	0.0044	0	0.0006	0	0	0	0.0001	0	0	0	5E-07	0	2E-12	0
Gravel/sand	ton	0	55	0	0.0027	0	0.13	0	0	0	0	0	6.7	0	0.033	0	0.03	0	0.004	0	0	0	0	0	4E-07	0	6E-11	0	1E-09	0	2E-16	0
Cement Grout	dry-ton	0	4100	0	0.13	0	0.41	0	0	0	0	0	1800	0	3.6	0	2.1	0	0.0063	0	0	0	0	0	0.058	0	6E-05	0	0.0001	0	9E-11	0
Concrete	tons	0	793	0	0.026	0	0.19	0	0	0	0	0	335	0	0.68	0	0.41	0	0.0044	0	3E-08	0	0	0	0.011	0	1E-05	0	2E-05	0	2E-11	0
Bentonite	ton	0	55	0	0.0027	0	0.13	0	0	0	0	0	6.7	0	0.033	0	0.03	0	0.004	0	0	0	0	0	4E-07	0	6E-11	0	1E-09	0	2E-16	0
Regenerated GAC	lbs	0	9.6	0	0.0004	0	0.0064	0	0	0	0	0	2	0	0.025	0	0.015	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Molasses)	lbs	0	1.31	0	5E-06	0	9E-05	0	0	0	0	0	0.4	0	0.003	0	0.0026	0	6E-05	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	0	1.87	0	0	0	0	0	0	0	0	0	1.1	0	0.0083	0	0.0099	0	0.0002	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	0	3.6	0	6E-05	0	2E-05	0	0	0	0	0	3.51	0	0.0265	0	0.031	0	0.0017	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Produced	gal	0	18.5	0	0.0006	0	0.0008	0	0	0	0	0	2.7	0	0.0064	0	0.013	0	0.0003	0	4E-07	0	0	0	0.0001	0	5E-08	0	2E-06	0	3E-14	0
Gasoline Produced	gal	0	21	0	0.0006	0	0.0008	0	0	0	0	0	4.4	0	0.008	0	0.019	0	0.0005	0	4E-07	0	0	0	0.0002	0	9E-08	0	2E-06	0	3E-14	0
Natural Gas Produced	ccf	0	5.2	0	0.0003	0	8E-05	0	0	0	0	0	2.2	0	0.0037	0	0.0046	0	7E-05	0	0	0	0	0	6E-06	0	2E-08	0	9E-07	0	5E-14	0
Groundwater Extracted On-site	gal x 1000	2733132	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Produced	gal x 1000	0	9.2	0	0.0004	0	0.021	0	0	0	0	0	5	0	0.0097	0	0.0059	0	0.016	0	8E-07	0	0	0	2E-05	0	8E-09	0	7E-08	0	1E-13	0
Potable Water Transported	gal x 1000	0	7.4	0	0.0006	0	0.0047	0	0	0	0	0	0.5168	0	0.0005	0	0.0043	0	6E-05	0	6E-07	0	0	0	0	0	3E-06	0	4E-08	0	3E-14	0
Potable Water Used	gal x 1000	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
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				***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	3.7	0	0.0002	0	0.0008	0	0	0	0	0	3	0	0.0061	0	0.0029	0	8E-05	0	5E-07	0	0	0	0.0001	0	8E-08	0	6E-07	0	1E-12	0
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	160	0	0.0077	0	0.15	0	0	0	0	0	25	0	0.14	0	0.075	0	0.4	0	8E-06	0	0	0	0.0014	0	1E-06	0	8E-06	0	1E-11	0
Hazardous Waste Generation	ton	6200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Disposal	ton	0	176	0	0.0085	0	0.165	0	0	0	0	0	27.5	0	0.154	0	0.0825	0	0.44	0	9E-06	0	0	0	0.0015	0	1E-06	0	8E-06	0	1E-11	0
Laboratory Analysis	$	0	8.8	0	0.0005	0	0.0006	0	0	0	0	0	1.3	0	0.0045	0	0.003	0	0.0001	0	0	0	0	0	0.0002	0	0	0	0	0	0	0
Waste and Other Services Subtotal				***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***	***0***
Other																															
On-site process emissions (HAPs)	lbs	17800	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site process emissions (GHGs)	lbs CO2e	192000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Subtotal				***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***	***0***

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

		Quantity Used	Level 1 (On-Site) Total On-Site and Off-Site Parameters - Alternative 4														
			Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
			Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
			Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Totals			***27,000,000.***	***7,600.***	***2,700,000.***	***4.***	***2,700,000.***	***300,000.***	***840.***	***27.***	***16.***	***0***	***6,200.***	***18,000.***	***0***	***0***	***0***
Energy																	
Diesel (on-site)	gal	4639	640,000.	0	0	0	0	100,000.	790.	25.	16.	0	0	1.4	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	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
On-site electricity use	MWh	7600	26,000,000.	7,600.	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			***27,000,000.***	***7,600.***	***0***	***0***	***0***	***110,000.***	***840.***	***27.***	***16.***	***0***	***0***	***1.5***	***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	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	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
Groundwater Extracted On-site	gal x 1000	2733132	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	4	0	0	4.	4.	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			***0***	***0***	***2,700,000.***	***4.***	***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
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	6200	0	0	0	0	0	0	0	0	0	0	6,200.	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***	***6,200.***	***0***	***0***	***0***	***0***
Other																	
On-site process emissions (HAPs)	lbs	17800	0	0	0	0	0	0	0	0	0	0	0	18,000.	0	0	0
On-site process emissions (GHGs)	lbs CO2e	192000	0	0	0	0	0	190,000.	0	0	0	0	0	0	0	0	0
Other Subtotal			***0***	***0***	***0***	***0***	***0***	***190,000.***	***0***	***0***	***0***	***0***	***0***	***18,000.***	***0***	***0***	***0***

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

		Quantity Used	Level 2 (Transport.) Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 4																									
			Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
			Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Extracted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Generated	Conv. Factor	Generated	Conv. Factor	Emitted	Conv. Factor	Released	Conv. Factor	Released	Conv. Factor	Released
				Mbtu		MWh		gal x 1000		gal x 1000		gal x 1000		lbs		lbs		lbs		lbs		tons		tons		lbs		lbs		lbs		lbs
Totals				***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	0	22.5	0	0.17	0	0.0054	0	0.0034	0	0	0	0	0	0.0003	0	0	0	0	0	0	0
Gasoline (on-site use)	gal	0	124	0	0	0	0	0	0	0	0	0	19.6	0	0.11	0	0.0045	0	0.0005	0	0	0	0	0	0.0003	0	0	0	0	0	0	0
Natural gas (on-site use)	ccf	0	103	0	0	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0.29	0	0	0	0	0	0	0
Diesel (off-site use)	gal	52571	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site electricity use	MWh	0	3413	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity transmission*	MWh	7600	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity production*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Energy Subtotal				***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	0
HDPE	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stainless Steel	lb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gravel/sand	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cement Grout	dry-ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Concrete	tons	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bentonite	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Regenerated GAC	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Produced	gal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gasoline Produced	gal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Groundwater Extracted On-site	gal x 1000	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Produced	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Transported	gal x 1000	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
Potable Water Used	gal x 1000	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other On-Site Water Used	gal x 1000	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials Subtotal				***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***	***0***
Waste and Other Services																															
Off-site waste water treatment	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0	0
Hazardous Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Hazardous Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Laboratory Analysis	$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste and Other Services Subtotal				***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***	***0***
Other																															
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Subtotal				***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***	***0***

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

		Quantity Used	Level 2 (Transport.) Parameters Used, Extracted, Emitted, or Generated Off-Site - Alternative 4																									
			Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
			Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Extracted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Generated	Conv. Factor	Generated	Conv. Factor	Emitted	Conv. Factor	Released	Conv. Factor	Released	Conv. Factor	Released
				Mbtu		MWh		gal x 1000		gal x 1000		gal x 1000		lbs		lbs		lbs		lbs		tons		tons		lbs		lbs		lbs		lbs
Totals				***13,000,000.***		***910.***		***0.019***		***0***		***0***		***1,700,000.***		***12,000.***		***390.***		***190.***		***0.0000023***		***0***		***23.***		***0.000011***		***0.00000016***		*0.0000000000012*
Energy																																
Diesel (on-site)	gal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gasoline (on-site use)	gal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural gas (on-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel (off-site use)	gal	52571	139	7,300,000.	0	0	0	0	0	0	0	0	22.5	1,200,000.	0.17	8,900.	0.0054	280.	0.0034	180.	0	0	0	0	0.0003	16.	0	0	0	0	0	0	0
Gasoline (off-site use)	gal	24081	124	3,000,000.	0	0	0	0	0	0	0	0	19.6	470,000.	0.11	2,600.	0.0045	110.	0.0005	13.	0	0	0	0	0.0003	7.2	0	0	0	0	0	0	0
Natural gas (off-site use)	ccf	0	103	0	0	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0.29	0	0	0	0	0	0	0	0
On-site electricity use	MWh	0	0	0	0	0	0	0	0	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	7600	410	3,100,000.	0.12	910.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity production*	MWh	0	7800	0	0.06	0	7.3	0	0	0	0	0	800	0	0.84	0	6.7	0	0.087	0	0.0009	0	0	0	0.017	0	3E-06	0	3E-05	0	9E-12	0	0
Energy Subtotal				***13,000,000.***		***910.***		***0***		***0***		***0***		***1,700,000.***		***12,000.***		***390.***		***190.***		***0***		***0***		***23.***		***0***		***0***		***0***
Materials																																
PVC	lb	0	22	0	0.0006	0	0.0069	0	0	0	0	0	4.1	0	0.0048	0	0.0076	0	0.0012	0	2E-06	0	2E-06	0	0.0005	0	3E-07	0	1E-07	0	7E-09	0	0
HDPE	lb	0	31	0	0.0003	0	0.0023	0	0	0	0	0	1.9	0	0.0032	0	0.0041	0	0.0006	0	4E-07	0	1E-06	0	3E-06	0	3E-09	0	2E-09	0	1E-09	0	0
Steel	lb	0	4.4	0	0.0002	0	0.0006	0	0	0	0	0	1.1	0	0.0014	0	0.0017	0	0.0006	0	0.0003	0	0	0	7E-05	0	1E-07	0	3E-06	0	7E-12	0	0
Stainless Steel	lb	0	11.6	0	0.0006	0	0.0023	0	0	0	0	0	3.4	0	0.0075	0	0.012	0	0.0044	0	0.0006	0	0	0	0.0001	0	0	0	5E-07	0	2E-12	0	0
Gravel/sand	ton	0	55	0	0.0027	0	0.13	0	0	0	0	0	6.7	0	0.033	0	0.03	0	0.004	0	0	0	0	0	4E-07	0	6E-11	0	1E-09	0	2E-16	0	0
Cement Grout	dry-ton	0	4100	0	0.13	0	0.41	0	0	0	0	0	1800	0	3.6	0	2.1	0	0.0063	0	0	0	0	0	0.058	0	6E-05	0	0.0001	0	9E-11	0	0
Concrete	tons	0	793	0	0.026	0	0.19	0	0	0	0	0	335	0	0.68	0	0.41	0	0.0044	0	3E-08	0	0	0	0.011	0	1E-05	0	2E-05	0	2E-11	0	0
Bentonite	ton	0	55	0	0.0027	0	0.13	0	0	0	0	0	6.7	0	0.033	0	0.03	0	0.004	0	0	0	0	0	4E-07	0	6E-11	0	1E-09	0	2E-16	0	0
Regenerated GAC	lbs	0	9.6	0	0.0004	0	0.0064	0	0	0	0	0	2	0	0.025	0	0.015	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Molasses)	lbs	0	1.31	0	5E-06	0	9E-05	0	0	0	0	0	0.4	0	0.003	0	0.0026	0	6E-05	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	0	1.87	0	0	0	0	0	0	0	0	0	1.1	0	0.0083	0	0.0099	0	0.0002	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	0	3.6	0	6E-05	0	2E-05	0	0	0	0	0	3.51	0	0.0265	0	0.031	0	0.0017	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Produced	gal	0	18.5	0	0.0006	0	0.0008	0	0	0	0	0	2.7	0	0.0064	0	0.013	0	0.0003	0	4E-07	0	0	0	0.0001	0	5E-08	0	2E-06	0	3E-14	0	0
Gasoline Produced	gal	0	21	0	0.0006	0	0.0008	0	0	0	0	0	4.4	0	0.008	0	0.019	0	0.0005	0	4E-07	0	0	0	0.0002	0	9E-08	0	2E-06	0	3E-14	0	0
Natural Gas Produced	ccf	0	5.2	0	0.0003	0	8E-05	0	0	0	0	0	2.2	0	0.0037	0	0.0046	0	7E-05	0	0	0	0	0	6E-06	0	2E-08	0	9E-07	0	5E-14	0	0
Groundwater Extracted On-site	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Produced	gal x 1000	0	9.2	0	0.0004	0	0.021	0	0	0	0	0	5	0	0.0097	0	0.0059	0	0.016	0	8E-07	0	0	0	2E-05	0	8E-09	0	7E-08	0	1E-13	0	0
Potable Water Transported	gal x 1000	4	7.4	30.	0.0006	0.0026	0.0047	0.019	0	0	0	0	0.5168	2.1	0.0005	0.0022	0.0043	0.017	6E-05	0.00022	6E-07	0.0000023	0	0	0	0	3E-06	0.000011	4E-08	0.00000016	3E-14	0.0000000000012
Potable Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other On-Site Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials Subtotal				***30.***		***0.0026***		***0.019***		***0***		***0***		***2.1***		***0.0022***		***0.017***		***0.00022***		***0.0000023***		***0***		***0***		***0.000011***		***0.00000016***		*0.0000000000012*
Waste and Other Services																																
Off-site waste water treatment	gal x 1000	0	3.7	0	0.0002	0	0.0008	0	0	0	0	0	3	0	0.0061	0	0.0029	0	8E-05	0	5E-07	0	0	0	0.0001	0	8E-08	0	6E-07	0	1E-12	0	0
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	160	0	0.0077	0	0.15	0	0	0	0	0	25	0	0.14	0	0.075	0	0.4	0	8E-06	0	0	0	0.0014	0	1E-06	0	8E-06	0	1E-11	0	0
Hazardous Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Disposal	ton	0	176	0	0.0085	0	0.165	0	0	0	0	0	27.5	0	0.154	0	0.0825	0	0.44	0	9E-06	0	0	0	0.0015	0	1E-06	0	8E-06	0	1E-11	0	0
Laboratory Analysis	$	0	8.8	0	0.0005	0	0.0006	0	0	0	0	0	1.3	0	0.0045	0	0.003	0	0.0001	0	0	0	0	0	0.0002	0	0	0	0	0	0	0	0
Waste and Other Services Subtotal				***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***
Other																																
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Subtotal				***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***

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

		Quantity Used	Level 2 (Transport.) Total On-Site and Off-Site Parameters - Alternative 4														
			Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
			Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
			Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Totals			***13,000,000.***	***910.***	***0.019***	***0***	***0***	***1,700,000.***	***12,000.***	***390.***	***190.***	***0.0000023***	***0***	***23.***	***0.000011***	***0.00000016***	***0.00000000000012***
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	52571	7,300,000.	0	0	0	0	1,200,000.	8,900.	280.	180.	0	0	16.	0	0	0
Gasoline (off-site use)	gal	24081	3,000,000.	0	0	0	0	470,000.	2,600.	110.	13.	0	0	7.2	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity transmission*	MWh	7600	3,100,000.	910.	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			***13,000,000.***	***910.***	***0***	***0***	***0***	***1,700,000.***	***12,000.***	***390.***	***190.***	***0***	***0***	***23.***	***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	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
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	4	30.	0.0026	0.019	0	0	2.1	0.0022	0.017	0.00022	0.0000023	0	0	0.000011	0.00000016	0.00000000000012
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			***30.***	***0.0026***	***0.019***	***0***	***0***	***2.1***	***0.0022***	***0.017***	***0.00022***	***0.0000023***	***0***	***0***	***0.000011***	***0.00000016***	***0.00000000000012***
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

		Quantity Used	Level 3 (Off-Site) Parameters Used, Extracted, Emitted, or Generated On-Site - Alternative 4																									
			Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
			Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Extracted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Generated	Conv. Factor	Generated	Conv. Factor	Emitted	Conv. Factor	Released	Conv. Factor	Released	Conv. Factor	Released
				Mbtu		MWh		gal x 1000		gal x 1000		gal x 1000		lbs		lbs		lbs		lbs		tons		tons		lbs		lbs		lbs		lbs
Totals				***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	0	22.5	0	0.17	0	0.0054	0	0.0034	0	0	0	0	0	0.0003	0	0	0	0	0	0	0
Gasoline (on-site use)	gal	0	124	0	0	0	0	0	0	0	0	0	19.6	0	0.11	0	0.0045	0	0.0005	0	0	0	0	0	0.0003	0	0	0	0	0	0	0
Natural gas (on-site use)	ccf	0	103	0	0	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0.29	0	0	0	0	0	0	0
Diesel (off-site use)	gal	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural gas (off-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site electricity use	MWh	0	3413	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity transmission*	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity production*	MWh	7600	0	0	0	0	0	0	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				***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***	***0***
Materials																															
PVC	lb	3300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HDPE	lb	2000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Steel	lb	56900	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stainless Steel	lb	2100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gravel/sand	ton	5637	0	0	0	0	0	0	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	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bentonite	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Regenerated GAC	lbs	8360000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Molasses)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Produced	gal	57210	0	0	0	0	0	0	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	24526.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural Gas Produced	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Groundwater Extracted On-site	gal x 1000	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Produced	gal x 1000	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
Potable Water Transported	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Used	gal x 1000	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other On-Site Water Used	gal x 1000	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials Subtotal				***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***	***0***
Waste and Other Services																															
Off-site waste water treatment	gal x 1000	2733000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Disposal	ton	6200	0	0	0	0	0	0	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	$	1103400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Waste and Other Services Subtotal				***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***	***0***
Other																															
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Subtotal				***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***	***0***

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

			Level 3 (Off-Site) Parameters Used, Extracted, Emitted, or Generated Off-Site - Alternative 4																									
			Energy		Electricity		All Water		Potable Water		Groundwater		CO2e		NO x		SO x		PM		Solid Waste		Haz. Waste		Air Toxics		Mercury		Lead		Dioxins	
		Quantity Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Used	Conv. Factor	Extracted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Emitted	Conv. Factor	Generated	Conv. Factor	Generated	Conv. Factor	Emitted	Conv. Factor	Released	Conv. Factor	Released	Conv. Factor	Released
				Mbtu		MWh		gal x 1000		gal x 1000		gal x 1000		lbs		lbs		lbs		lbs		tons		tons		lbs		lbs		lbs		lbs
Totals				***160,000,000.***		***5,400.***		***110,000.***		***0***		***0***		***34,000,000.***		***240,000.***		***190,000.***		***3,900.***		***23.***		***0.0073***		***720.***		***0.27***		***2.3***		***0.000028***
Energy																																
Diesel (on-site)	gal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gasoline (on-site use)	gal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural gas (on-site use)	ccf	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel (off-site use)	gal	0	139	0	0	0	0	0	0	0	0	0	22.5	0	0.17	0	0.0054	0	0.0034	0	0	0	0	0	0.0003	0	0	0	0	0	0	0
Gasoline (off-site use)	gal	0	124	0	0	0	0	0	0	0	0	0	19.6	0	0.11	0	0.0045	0	0.0005	0	0	0	0	0	0.0003	0	0	0	0	0	0	0
Natural gas (off-site use)	ccf	0	103	0	0	0	0	0	0	0	0	0	12	0	0.0001	0	6E-06	0	8E-06	0	0	0	0	0	0.29	0	0	0	0	0	0	0
On-site electricity use	MWh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity transmission*	MWh	0	410	0	0.12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Electricity production*	MWh	7600	7800	59,000,000.	0.06	460.	7.3	55,000.	0	0	0	0	800	6,100,000.	0.84	6,400.	6.7	51,000.	0.087	660.	0.0009	6.8	0	0	0.017	130.	3E-06	0.02	3E-05	0.24	9E-12	0.000000065
Energy Subtotal				***59,000,000.***		***460.***		***55,000.***		***0***		***0***		***6,100,000.***		***6,400.***		***51,000.***		***660.***		***6.8***		***0***		***130.***		***0.02***		***0.24***		***0.000000065***
Materials																																
PVC	lb	3300	22	73,000.	0.0006	1.8	0.0069	23.	0	0	0	0	4.1	14,000.	0.0048	16.	0.0076	25.	0.0012	4.	2E-06	0.0073	2E-06	0.0053	0.0005	1.6	3E-07	0.0011	1E-07	0.00043	7E-09	0.000023
HDPE	lb	2000	31	62,000.	0.0003	0.5	0.0023	4.6	0	0	0	0	1.9	3,800.	0.0032	6.4	0.0041	8.2	0.0006	1.3	4E-07	0.00086	1E-06	0.002	3E-06	0.0068	3E-09	0.0000052	2E-09	0.0000048	1E-09	0.000002
Steel	lb	56900	4.4	250,000.	0.0002	12.	0.0006	36.	0	0	0	0	1.1	63,000.	0.0014	80.	0.0017	97.	0.0006	32.	0.0003	14.	0	0	7E-05	3.8	1E-07	0.0057	3E-06	0.14	7E-12	0.00000037
Stainless Steel	lb	2100	11.6	24,000.	0.0006	1.2	0.0023	4.8	0	0	0	0	3.4	7,100.	0.0075	16.	0.012	25.	0.0044	9.2	0.0006	1.3	0	0	0.0001	0.3	0	0	5E-07	0.0011	2E-12	0.0000000046
Gravel/sand	ton	5637	55	310,000.	0.0027	15.	0.13	730.	0	0	0	0	6.7	38,000.	0.033	190.	0.03	170.	0.004	23.	0	0	0	0	4E-07	0.0023	6E-11	0.00000036	1E-09	0.0000068	2E-16	0.000000000085
Cement Grout	dry-ton	26	4100	110,000.	0.13	3.4	0.41	11.	0	0	0	0	1800	47,000.	3.6	94.	2.1	55.	0.0063	0.16	0	0	0	0	0.058	1.5	6E-05	0.0015	0.0001	0.0034	9E-11	0.0000000022
Concrete	tons	349	793	280,000.	0.026	9.1	0.19	66.	0	0	0	0	335	120,000.	0.68	240.	0.41	140.	0.0044	1.5	3E-08	0.0000098	0	0	0.011	3.8	1E-05	0.0035	2E-05	0.0084	2E-11	0.0000000056
Bentonite	ton	0	55	0	0.0027	0	0.13	0	0	0	0	0	6.7	0	0.033	0	0.03	0	0.004	0	0	0	0	0	4E-07	0	6E-11	0	1E-09	0	2E-16	0
Regenerated GAC	lbs	8360000	9.6	80,000,000.	0.0004	3,700.	0.0064	54,000.	0	0	0	0	2	17,000,000.	0.025	210,000.	0.015	130,000.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Molasses)	lbs	0	1.31	0	5E-06	0	9E-05	0	0	0	0	0	0.4	0	0.003	0	0.0026	0	6E-05	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Cheese Whey)	lbs	0	1.87	0	0	0	0	0	0	0	0	0	1.1	0	0.0083	0	0.0099	0	0.0002	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinjection (Vegetable Oil)	lbs	0	3.6	0	6E-05	0	2E-05	0	0	0	0	0	3.51	0	0.0265	0	0.031	0	0.0017	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel Produced	gal	57210	18.5	1,100,000.	0.0006	34.	0.0008	44.	0	0	0	0	2.7	150,000.	0.0064	370.	0.013	740.	0.0003	19.	4E-07	0.021	0	0	0.0001	6.9	5E-08	0.0027	2E-06	0.086	3E-14	0.0000000017
Gasoline Produced	gal	24526.2	21	520,000.	0.0006	14.	0.0008	19.	0	0	0	0	4.4	110,000.	0.008	200.	0.019	470.	0.0005	13.	4E-07	0.01	0	0	0.0002	3.9	9E-08	0.0021	2E-06	0.054	3E-14	0.00000000076
Natural Gas Produced	ccf	0	5.2	0	0.0003	0	8E-05	0	0	0	0	0	2.2	0	0.0037	0	0.0046	0	7E-05	0	0	0	0	0	6E-06	0	2E-08	0	9E-07	0	5E-14	0
Groundwater Extracted On-site	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Potable Water Produced	gal x 1000	4	9.2	37.	0.0004	0.0018	0.021	0.084	0	0	0	0	5	20.	0.0097	0.039	0.0059	0.024	0.016	0.064	8E-07	0.0000033	0	0	2E-05	0.00006	8E-09	0.000000033	7E-08	0.00000027	1E-13	0.000000000004
Potable Water Transported	gal x 1000	0	7.4	0	0.0006	0	0.0047	0	0	0	0	0	0.5168	0	0.0005	0	0.0043	0	6E-05	0	6E-07	0	0	0	0	0	3E-06	0	4E-08	0	3E-14	0
Potable Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other On-Site Water Used	gal x 1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials Subtotal				***83,000,000.***		***3,800.***		***55,000.***		***0***		***0***		***18,000,000.***		***210,000.***		***130,000.***		***100.***		***15.***		***0.0073***		***22.***		***0.017***		***0.29***		***0.000025***
Waste and Other Services																																
Off-site waste water treatment	gal x 1000	2733000	3.7	10,000,000.	0.0002	490.	0.0008	2,300.	0	0	0	0	3	8,200,000.	0.0061	17,000.	0.0029	7,900.	8E-05	220.	5E-07	1.3	0	0	0.0001	330.	8E-08	0.22	6E-07	1.7	1E-12	0.0000027
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	160	0	0.0077	0	0.15	0	0	0	0	0	25	0	0.14	0	0.075	0	0.4	0	8E-06	0	0	0	0.0014	0	1E-06	0	8E-06	0	1E-11	0
Hazardous Waste Generation	ton	0	0	0	0	0	0	0	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	6200	176	1,100,000.	0.0085	53.	0.165	1,000.	0	0	0	0	27.5	170,000.	0.154	950.	0.0825	510.	0.44	2,700.	9E-06	0.055	0	0	0.0015	9.5	1E-06	0.0066	8E-06	0.052	1E-11	0.000000082
Laboratory Analysis	$	1103400	8.8	9,700,000.	0.0005	550.	0.0006	620.	0	0	0	0	1.3	1,400,000.	0.0045	5,000.	0.003	3,300.	0.0001	130.	0	0	0	0	0.0002	230.	0	0	0	0	0	0
Waste and Other Services Subtotal				***21,000,000.***		***1,100.***		***3,900.***		***0***		***0***		***9,800,000.***		***23,000.***		***12,000.***		***3,100.***		***1.4***		***0***		***570.***		***0.23***		***1.8***		***0.0000028***
Other																																
On-site process emissions (HAPs)	lbs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
On-site process emissions (GHGs)	lbs CO2e	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Subtotal				***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***		***0***

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

		Quantity Used	Level 3 (Off-Site) Total On-Site and Off-Site Parameters - Alternative 4														
			Energy	Electricity	All Water	Potable Water	Groundwater	CO2e	NO x	SO x	PM	Solid Waste	Haz. Waste	Air Toxics	Mercury	Lead	Dioxins
			Used	Used	Used	Used	Extracted	Emitted	Emitted	Emitted	Emitted	Generated	Generated	Emitted	Released	Released	Released
			Mbtu	MWh	gal x 1000	gal x 1000	gal x 1000	lbs	lbs	lbs	lbs	tons	tons	lbs	lbs	lbs	lbs
Totals			***160,000,000.***	***5,400.***	***110,000.***	***0***	***0***	***34,000,000.***	***240,000.***	***190,000.***	***3,900.***	***23.***	***0.0073***	***720.***	***0.27***	***2.3***	***0.000028***
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gasoline (off-site use)	gal	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
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	7600	59,000,000.	460.	55,000.	0	0	6,100,000.	6,400.	51,000.	660.	6.8	0	130.	0.02	0.24	0.000000065
Energy Subtotal			***59,000,000.***	***460.***	***55,000.***	***0***	***0***	***6,100,000.***	***6,400.***	***51,000.***	***660.***	***6.8***	***0***	***130.***	***0.02***	***0.24***	***0.000000065***
Materials																	
PVC	lb	3300	73,000.	1.8	23.	0	0	14,000.	16.	25.	4.	0.0073	0.0053	1.6	0.0011	0.00043	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	56900	250,000.	12.	36.	0	0	63,000.	80.	97.	32.	14.	0	3.8	0.0057	0.14	0.00000037
Stainless Steel	lb	2100	24,000.	1.2	4.8	0	0	7,100.	16.	25.	9.2	1.3	0	0.3	0	0.0011	0.0000000046
Gravel/sand	ton	5637	310,000.	15.	730.	0	0	38,000.	190.	170.	23.	0	0	0.0023	0.00000036	0.0000068	0.000000000085
Cement Grout	dry-ton	26	110,000.	3.4	11.	0	0	47,000.	94.	55.	0.16	0	0	1.5	0.0015	0.0034	0.0000000022
Concrete	tons	349	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	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	1,100,000.	34.	44.	0	0	150,000.	370.	740.	19.	0.021	0	6.9	0.0027	0.086	0.0000000017
Gasoline Produced	gal	24526.2	520,000.	14.	19.	0	0	110,000.	200.	470.	13.	0.01	0	3.9	0.0021	0.054	0.00000000076
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	4	37.	0.0018	0.084	0	0	20.	0.039	0.024	0.064	0.0000033	0	0.00006	0.000000033	0.00000027	0.0000000000004
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			***83,000,000.***	***3,800.***	***55,000.***	***0***	***0***	***18,000,000.***	***210,000.***	***130,000.***	***100.***	***15.***	***0.0073***	***22.***	***0.017***	***0.29***	***0.000025***
Waste and Other Services																	
Off-site waste water treatment	gal x 1000	2733000	10,000,000.	490.	2,300.	0	0	8,200,000.	17,000.	7,900.	220.	1.3	0	330.	0.22	1.7	0.0000027
Solid Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solid Waste Disposal	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Generation	ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hazardous Waste Disposal	ton	6200	1,100,000.	53.	1,000.	0	0	170,000.	950.	510.	2,700.	0.055	0	9.5	0.0066	0.052	0.000000082
Laboratory Analysis	$	1103400	9,700,000.	550.	620.	0	0	1,400,000.	5,000.	3,300.	130.	0	0	230.	0	0	0
Waste and Other Services Subtotal			***21,000,000.***	***1,100.***	***3,900.***	***0***	***0***	***9,800,000.***	***23,000.***	***12,000.***	***3,100.***	***1.4***	***0***	***570.***	***0.23***	***1.8***	***0.0000028***
Other																	
On-site process emissions (HAPs)	lbs	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

Traffic and Personnel - Alternative 4

Item	Units	Level 1 -On-Site	Level 2 - Transport.	Level 3 - Off-Site	Level 4 - Not Used	Level 5 - Not Used	Level 6 - Not Used	Total
Traffic								
Number of passenger car trips to the site	trips		0					**0**
Number of light-duty truck trips to the site	trips		2841					**2,841**
Number of freight or other heavy duty truck trips to the site	trips		1455					**1,455**
Total passenger car miles driven	miles		0					**0**
Total light-duty truck miles driven	miles		240812					**240,812**
Total freight or other heavey duty truck miles driven	miles		698950					**698,950**
Personnel								
On-site man days worked	man-days	5191						**5,191**