Buckman Direct Diversion
2019 Analytical Results of Drinking Water Sampling

Drinking Water			February 4, 2019			February 11, 2019			February 18, 2019			February 25, 2019		
Sampled By:			BDD			BDD			BDD			BDD		
Parameter	**MCL**	**Units**	**Result**	**Uncertainty**	**MDL**	**Result**	**Uncertainty**	**MDL**	**Result**	**Uncertainty**	**MDL**	**Result**	**Uncertainty**	**MDL**
Primary Contaminants														
Radionuclides														
Gross Alpha	15	pCi/L	3.00	1.6	1.78	< 2.93	1.65	2.93	< 2.57	1.310	2.57	< 2.86	1.420	2.86
Gross Beta	4 mrem/yr	pCi/L	2.84	1.2	1.72	2.57	1.05	1.75	< 1.70	0.971	1.70	1.70	0.824	1.50
Uranium	0.03	mg/L	0.0028		0.0005	0.0026		0.0005	0.0021		0.0005	0.00083		0.0005

MCL = Maximum Contamination Level
MDL = Method Detection Limit

Drinking Water			March 4, 2019			March 18, 2019				April 4, 2019		
Sampled By:			BDD			BDD				BDD		
Parameter	**MCL**	**Units**	**Result**	**Uncertainty**	**MDL**	**Result**	**Uncertainty**	**MDL**	**MRL**	**Result**	**Uncertainty**	**MDL**
Primary Contaminants												
Radionuclides												
Gross Alpha	15	pCi/L	< 2.21	1.080	2.21					< 2.87	1.160	2.87
Gross Beta	4 mrem/yr	pCi/L	1.83	0.684	1.20					2.38	0.911	1.58
Uranium	0.03	mg/L	0.0013		0.0005					0.00054		0.0005
Other Parameters												
Strontium-90		pCi/L				< 0.96	0.452	0.959				
Tritium		pCi/L				< 287.0	156.0	287.0				

MCL = Maximum Contamination Level
MDL = Method Detection Limit

Drinking Water			May 6, 2019			May 6, 2019			December 12, 2019		
Sampled By:			BDD			BDD			BDD		
Parameter	**MCL**	**Units**	**Result**	**Uncertainty**	**MDL**	**Result**	**Uncertainty**	**MDL**	**Result**	**Uncertainty**	**MDL**
Primary Contaminants											
Radionuclides											
Gross Alpha	15	pCi/L	< 2.88	1.470	2.88	< 2.90	1.270	2.90	0.241	0.749	1.49
Gross Beta	4 mrem/yr	pCi/L	1.85	0.775	1.28	< 1.68	0.846	1.68	2.61	1.33	2.2
Uranium	0.03	mg/L	< 0.0005		0.0005	0.0008		0.0005	0.0015		0.0005

MCL = Maximum Contamination Level
MDL = Method Detection Limit

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2019 Analytical Results of Drinking Water Sampling

BDD Finished Drinking Water			March 18, 2019		
Sampled By:			NMED		
Parameter	**MCL**	**Units**	**Result**	**MDL**	**MRL**
Primary Contaminants					
Inorganic Chemicals					
Antimony	0.006	mg/L	< 0.001		0.001
Arsenic	0.01	mg/L	< 0.001		0.001
Barium	2	mg/L	0.05		0.002
Beryllium	0.004	mg/L	< 0.002		0.002
Cadmium	0.005	mg/L	< 0.002		0.0005
Chromium	0.1	mg/L	< 0.006		0.006
Mercury	0.002	mg/L	< 0.0002		0.0002
Selenium	0.05	mg/L	< 0.001		0.001
Thallium	0.002	mg/L	< 0.001		0.0005
Cyanide	0.2	mg/L	< 0.01	0.01	
Fluoride	4	mg/L	0.26		0.1
Nitrate-Nitrite (as N)		mg/L	< 0.5		0.5
Organic Chemicals					
1,1,1-Trichloroethane	0.2	mg/L	< 0.0005		0.0005
1,1,2-Trichloroethane	0.005	mg/L	< 0.0005		0.0005
1,1-Dichloroethylene	0.007	mg/L	< 0.0005		0.0005
1,2,4-Trichlorobenzene	0.07	mg/L	< 0.0005		0.0005
1,2-Dibromo-3-chloropropane	0.0002	mg/L	< 0.000019		0.000019
1,2-Dichlorobenzene	0.6	mg/L	< 0.0005		0.0005
1,2-Dichloroethane	0.005	mg/L	< 0.0005		0.0005
1,2-Dichloropropane	0.005	mg/L	< 0.0005		0.0005
1,4-Dichlorobenzene	0.075	mg/L	< 0.0005		0.0005
2,4,5-TP (Silvex)	0.05	mg/L	< 0.0002	0.0002	
2,4-Dichlorophenoxyacetic Acid	0.07	mg/L	< 0.0001	0.0001	
Alachlor	0.002	mg/L	< 0.0002	0.0002	
Aldicarb	0.003	mg/L	< 0.002	0.002	
Atrazine	0.003	mg/L	< 0.0001	0.0001	
Benzene	0.005	mg/L	< 0.0005		0.0005
Benzo(a)pyrene	0.0002	mg/L	< 0.00002	0.00002	
Carbofuran	0.04	mg/L	< 0.0009	0.0009	
Carbon Tetrachloride	0.005	mg/L	< 0.0005		0.0005
Chlordane	0.002	mg/L	< 0.0001		0.0001
Chlorobenzene	0.1	mg/L	< 0.0005		0.0005
cis -1,2-Dichloroethylene	0.07	mg/L	< 0.0005		0.0005
Dalapon	0.2	mg/L	< 0.001	0.001	
Di(2-ethylhexyl)adipate	0.4	mg/L	< 0.0002	0.0002	
Di(2-ethylhexyl)phthalate	0.006	mg/L	< 0.0006	0.0006	
Dichloromethane	0.005	mg/L	< 0.0005		0.0005
Dinoseb	0.007	mg/L	< 0.0002	0.0002	
Diquat	0.02	mg/L	< 0.0004	0.0004	
Endothall	0.1	mg/L	< 0.009	0.009	
Endrin	0.002	mg/L	< 0.00001	0.00001	
Ethylbenzene	0.7	mg/L	< 0.0005		0.0005
Ethylene Dibromide	0.00005	mg/L	< 0.0000095		9.5E-06
Gamma-BHC (Lindane)	0.0002	mg/L	< 0.00002		0.00002

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BDD Finished Drinking Water			March 18, 2019		
Sampled By:			NMED		
Parameter	**MCL**	**Units**	**Result**	**MDL**	**MRL**
Glyphosate	0.7	mg/L	< 0.005	0.005	
Heptachlor	0.0004	mg/L	< 0.00004	0.00004	
Heptachlor Epoxide	0.0002	mg/L	< 0.00002	0.00002	
Hexachlorobenzene	0.001	mg/L	< 0.0001	0.0001	
Hexachlorocyclopentadiene	0.05	mg/L	< 0.0001	0.0001	
Methoxychlor	0.04	mg/L	< 0.0001	0.0001	
Oxamyl (Vydate)	0.2	mg/L	< 0.002	0.002	
PCBs	0.0005	mg/L	< 0.0001	0.0001	
Pentachlorophenol	0.001	mg/L	< 0.00004	0.00004	
Picloram	0.5	mg/L	< 0.0001	0.0001	
Simazine	0.004	mg/L	< 0.00007	0.00007	
Styrene	0.1	mg/L	< 0.0005		0.0005
Tetrachloroethylene	0.005	mg/L	< 0.0005		0.0005
Toluene	1	mg/L	< 0.0005		0.0005
Toxaphene	0.003	mg/L	< 0.001	0.001	
trans -1,2-Dichloroethylene	0.1	mg/L	< 0.0005		0.0005
Trichloroethylene	0.005	mg/L	< 0.0005		0.0005
Vinyl Chloride	0.002	mg/L	< 0.0005		0.0005
Xylenes (Total)	10	mg/L	< 0.0015		0.0015
Secondary Contaminants					
Aluminum	0.05	mg/L	< 0.02		0.02
Iron	0.3	mg/L	< 0.02		0.02
Manganese	0.05	mg/L	< 0.002		0.002
Silver	0.1	mg/L	< 0.005		0.005
Zinc	5	mg/L	0.095		0.01
Other Parameters					
Sodium		mg/L	23		1
3-Hydroxycarbofuran		mg/L	< 0.001	0.001	
Aldicarb sulfone		mg/L	< 0.001	0.001	
Aldicarb sulfoxide		mg/L	< 0.0018	0.0018	
Aldrin		mg/L	< 0.0002	0.0002	
Butachlor		mg/L	< 0.0004	0.0004	
Carbaryl		mg/L	< 0.002	0.002	
Dicamba		mg/L	< 0.0002	0.0002	
Dieldrin		mg/L	< 0.0002	0.0002	
Methomyl		mg/L	< 0.001	0.001	
Metolachlor		mg/L	< 0.0001	0.0001	
Metribuzin		mg/L	< 0.0002	0.0002	
Strontium-90		pCi/L	< 0.78	0.78	
Tritium		pCi/L	< 290	290	

MCL = Maximum Contamination Level

MDL = Method Detection Limit

MRL = Minimum Reporting Limit