

ESL: Reservoir Analyses During Frack/ Incident

Date	Site	Radium 226 (pCi/L)	Radium 228 (pCi/L)	Gross Alpha (pCi/L)	Gross Beta (pCi/L)	VOC** (ug/L)	SVOC** (ug/L)
SDWA#	MCL#:	5 pCi/L		15 pCi/L	4 mrem/yr	Varies	NA
11/28/2019	CNX Water Intake	ND	ND	ND	ND	ND	ND
12/4/2019	CNX Water Intake	ND	ND	ND	ND	ND	ND
12/14/2019	CNX Water Intake	ND	ND	ND	ND	ND	ND
12/19/2018	CNX Water Intake	ND	ND	ND	ND	ND	ND
1/4/2019	CNX Water Intake	ND	ND	ND	1.1	ND	ND
1/11/2019	CNX Water Intake	ND	ND	ND	1.23	1.49***	ND
1/17/2019	CNX Water Intake	ND	ND	ND	ND	ND	ND
1/22/2019	CNX Water Intake	0.981	ND	ND	ND	ND	ND
1/28/2019	BR-S (On Inlet)	ND	ND	ND	ND	ND	ND
	BR-C (Below Shaw)	ND	ND	ND	ND	ND	ND
1/29/2019	BR-S (On Inlet)	ND	ND	3.27	5.02	ND	ND
	BR-C (Below Shaw)	0.709	ND	ND	ND	ND	ND
1/30/2019	BR-S (On Inlet)	ND	0.629	1.55	3.39	ND	ND
	BR-C (Below Shaw)	0.414	ND	ND	1.28	ND	ND
2/5/2019	BR-S (On Inlet)	ND	ND	ND	ND	ND	ND
	BR-C (Below Shaw)	ND	ND	ND	ND	ND	ND
2/7/2019	BR-S (On Inlet)	ND	ND	ND	ND	ND	ND
	BR-C (Below Shaw)	ND	ND	ND	ND	ND	ND
	CNX Water Intake	ND	ND	ND	1.69	ND	ND
	Stream (Below Dam)	ND	ND	ND	ND	ND	ND
2/8/2019	Water Intake	ND	ND	ND	1.96	ND	ND
	Stream (Below Dam)	ND	ND	ND	ND	ND	ND
2/11/2019	BR-S (On Inlet)	ND	ND	0.449	1.8	ND	ND
	BR-C (Below Shaw)	ND	ND	ND	1.03	ND	ND
	CNX Water Intake	ND	ND	1.3	2.26	ND	ND
	Stream (Below Dam)	ND	ND	ND	1.45	ND	ND
2/13/2019	BR-S (On Inlet)	ND	ND	ND	2.51	ND	ND
	BR-C (Below Shaw)	ND	ND	ND	ND	ND	ND
	CNX Water Intake	ND	ND	ND	ND	ND	ND
	Stream (Below Dam)	ND	ND	ND	ND	ND	ND
2/14/2019	BR-S (On Inlet)	ND	ND	ND	ND	ND	ND
	BR-C (Below Shaw)	ND	ND	ND	ND	ND	ND
	CNX Water Intake	ND	ND	ND	ND	ND	ND
	Stream (Below Dam)	ND	ND	ND	ND	ND	ND
2/15/2019	MAWC Raw Intake	ND	ND	ND	ND	ND	ND
2/19/2019	BR-S (On Inlet)	ND	ND	ND	2.39	ND	ND
	BR-C (Below Shaw)	ND	ND	ND	1.44	ND	ND
	CNX Water Intake	ND	ND	ND	1.09	ND	ND
	MAWC Raw Intake	ND	ND	ND	0.875	ND	ND
	Stream (Below Dam)	ND	ND	ND	1.44	ND	ND
2/21/2019	BR-S (On Inlet)	ND	ND	ND	ND	ND	ND
	BR-C (Below Shaw)	ND	ND	ND	ND	ND	ND
	CNX Water Intake	ND	ND	ND	ND	ND	ND
	MAWC Raw Intake	ND	ND	ND	ND	ND	ND
	Stream (Below Dam)	ND	ND	ND	ND	ND	ND
2/22/2019	BR-S (On Inlet)	ND	ND	ND	ND	ND	ND
	BR-C (Below Shaw)	ND	ND	ND	ND	ND	ND
	CNX Water Intake	ND	ND	ND	ND	ND	ND
	MAWC Raw Intake	ND	ND	ND	ND	ND	ND
	Stream (Below Dam)	ND	ND	ND	2.34	ND	ND
2/25/2019	BR-S (On Inlet)	ND	ND	ND	ND	ND	ND
	BR-C (Below Shaw)	ND	ND	ND	ND	ND	ND
	CNX Water Intake	ND	ND	ND	ND	ND	ND
	MAWC Raw Intake	ND	ND	ND	ND	18.75	ND
	Stream (Below Dam)	ND	ND	ND	ND	ND	ND
2/27/2019	BR-S (On Inlet)	ND	ND	1.1	1.26	ND	ND
	BR-C (Below Shaw)	ND	ND	ND	1.18	ND	ND
	CNX Water Intake	ND	ND	ND	ND	ND	ND
	MAWC Raw Intake	ND	ND	ND	1.58	ND	ND
	Stream (Below Dam)	ND	ND	ND	ND	ND	ND
2/28/2019	BR-S (On Inlet)	ND	0.7	ND	ND	ND	ND
	BR-C (Below Shaw)	ND	ND	ND	ND	ND	ND
	CNX Water Intake	ND	ND	ND	ND	ND	ND
	MAWC Raw Intake	ND	ND	ND	ND	ND	ND
	Stream (Below Dam)	ND	ND	ND	ND	1.03*	ND
3/4/2019	BR-S (On Inlet)	ND	ND	ND	ND	ND	ND
	BR-C (Below Shaw)	ND	ND	ND	3.39	ND	ND
	CNX Water Intake	ND	ND	ND	ND	ND	ND
	MAWC Raw Intake	ND	ND	ND	ND	ND	ND
	Stream (Below Dam)	ND	ND	ND	ND	2.11*	ND
3/5/2019	BR-S (On Inlet)	ND	ND	ND	1.7	ND	ND
	BR-C (Below Shaw)	ND	ND	ND	1.39	ND	ND
	CNX Water Intake	1.6	ND	ND	1.93	ND	ND
	MAWC Raw Intake	ND	ND	ND	1.8	ND	ND
	Stream (Below Dam)	ND	ND	ND	1.29	1.56*	ND
3/12/2019	BR-S (On Inlet)	ND	ND	ND	1.93	ND	ND
	BR-C (Below Shaw)	ND	ND	ND	3.67	ND	ND
	CNX Water Intake	0.595	ND	ND	2.5	ND	ND
	MAWC Raw Intake	0.394	ND	ND	ND	ND	ND
	Stream (Below Dam)	ND	ND	ND	ND	ND	ND
3/14/2019	BR-S (On Inlet)	ND	ND	ND	ND	ND	ND
	BR-C (Below Shaw)	ND	ND	ND	ND	ND	ND
	CNX Water Intake	ND	ND	ND	ND	ND	ND
	MAWC Raw Intake	ND	ND	ND	1.73	ND	ND
	Stream (Below Dam)	ND	ND	ND	2.65	ND	ND
3/19/2019	BR-S (On Inlet)	ND	ND	ND	ND	ND	ND
	BR-C (Below Shaw)	ND	ND	ND	ND	ND	ND
	CNX Water Intake	ND	ND	ND	ND	ND	ND
	MAWC Raw Intake	ND	ND	ND	ND	ND	ND
	Stream (Below Dam)	ND	ND	ND	ND	ND	ND
3/21/2019	BR-S (On Inlet)	ND	ND	ND	1.9	ND	ND
	BR-C (Below Shaw)	ND	ND	ND	1.12	ND	ND
	CNX Water Intake	ND	ND	ND	1.29	ND	ND
	MAWC Raw Intake	ND	ND	ND	2.12	ND	ND
	Stream (Below Dam)	ND	ND	ND	ND	3.93*	ND
3/27/2019	BR-S (On Inlet)	ND	ND	ND	ND	ND	ND
	BR-C (Below Shaw)	ND	ND	ND	ND	ND	ND
	CNX Water Intake	ND	ND	ND	ND	ND	ND
	MAWC Raw Intake	ND	1.08	ND	ND	ND	ND
	Stream (Below Dam)	ND	ND	ND	1.8	12.4* & 2.6**	ND
3/29/2019	BR-S (On Inlet)	ND	ND	ND	1.94	ND	ND
	BR-C (Below Shaw)	ND	ND	ND	ND	ND	ND
	CNX Water Intake	ND	ND	ND	ND	ND	ND
	MAWC Raw Intake	0.286	ND	ND	1.15	ND	ND
4/3/2019	BR-S (On Inlet)	ND	ND	ND	1.56	ND	ND
	BR-C (Below Shaw)	ND	ND	ND	1.36	ND	ND
	CNX Water Intake	ND	ND	ND	1.96	ND	ND
	MAWC Raw Intake	ND	ND	ND	1.31	ND	ND
	Stream (Below Dam)	ND	ND	ND	1.56	1.32*	ND
4/10/2019	BR-S (On Inlet)	ND	ND	ND	ND	ND	ND
	BR-C (Below Shaw)	ND	ND	ND	ND	ND	ND
	CNX Water Intake	ND	ND	ND	2.9	ND	ND
	MAWC Raw Intake	ND	ND	ND	ND	ND	ND
	Stream (Below Dam)	ND	ND	ND	0.979	2.54*	ND

KEY:
 #SDWA MCL: Safe Drinking Water Act Maximum Contaminant Level
 This value is supplied for reference only, as this MCL concerns Drinking Water Leaving the treatment plant. The Sample results displayed are on Untreated waters.
 *: Contract Lab contacted to determine validity of results.
 Gross Beta MCL is given as a radiation dosage of over 179 Emitters over the course of a years time. The 999pCi/L result in no way Constitutes an exceedance of this dosage.
 **: See Slides for complete list of analyte compounds.
 ***: Trichloroethene, used to clean CNX pump assembly.
 CNX placed pump in the water at this date/ time. MCL for compound is Sug/L.

*Acetone

*Chloroform from NPDES discharge.

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*Chloroform from NPDES discharge.

*Chloroform ** Bromodichloromethane from NPDES discharge.

*Chloroform from NPDES discharge.

*Chloroform from NPDES discharge.