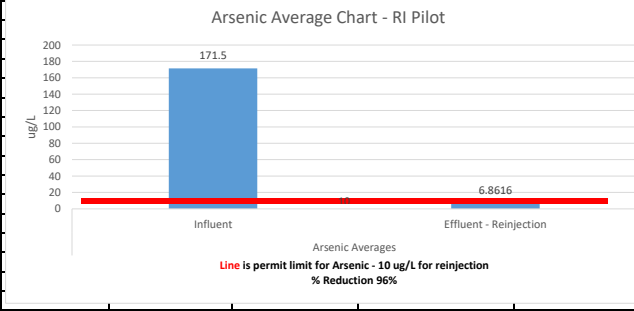
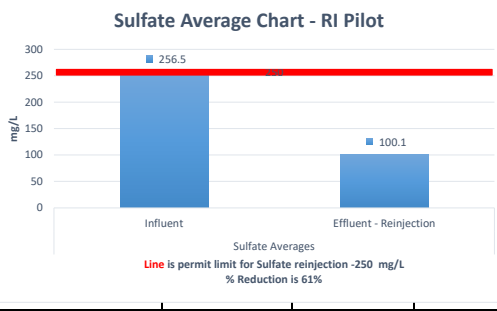
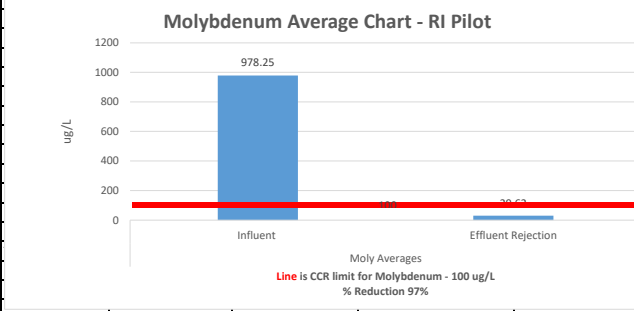
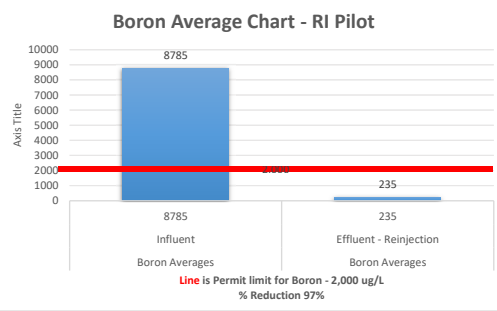
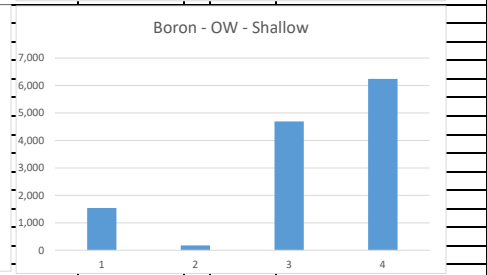
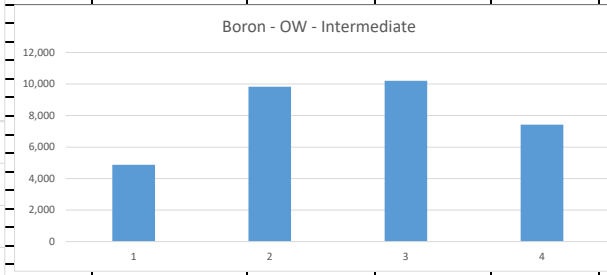
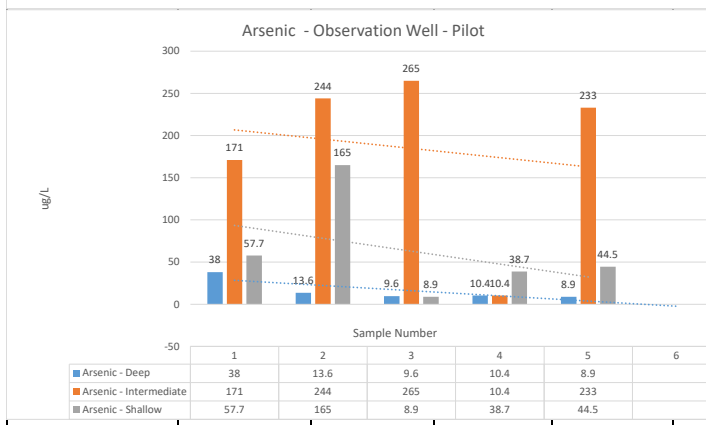
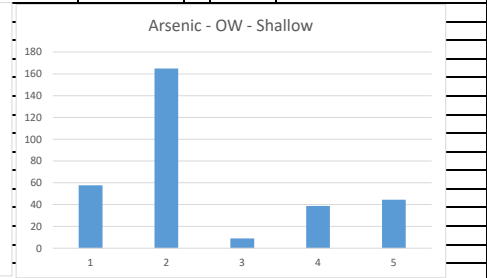
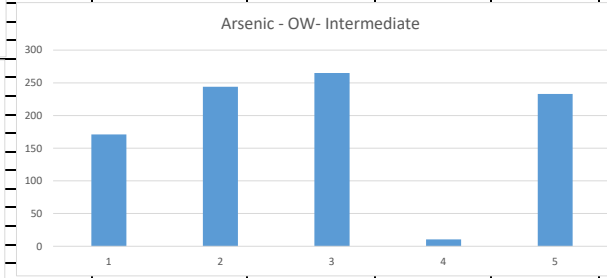
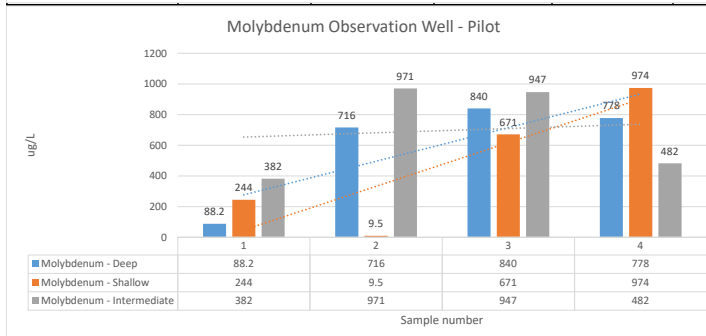
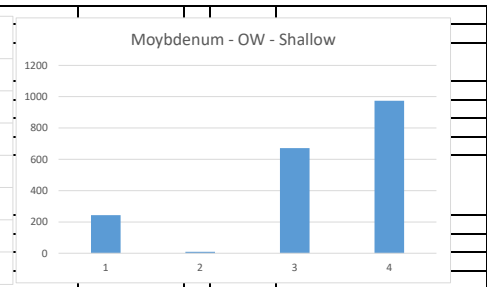
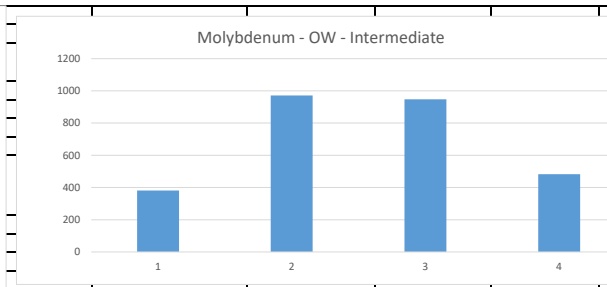
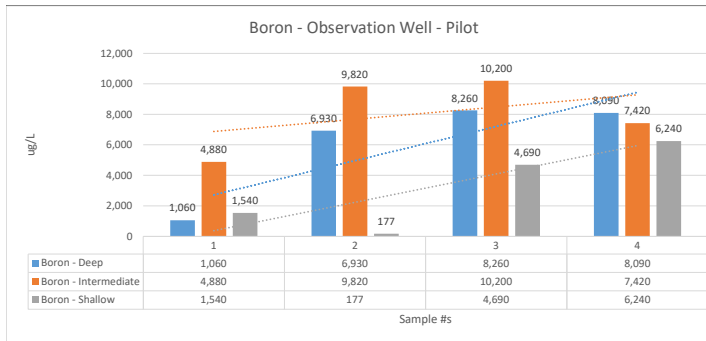


Target Data	Boron Averages	Boron Averages	regulatory	Moly Averages			Arsenic Averages			Sulfate Averages		
2,000	Influent	Effluent - ReInjection	regulatory	Influent	Effluent Rejection	CCR Limit	Influent	Effluent - ReInjection	Permit Limit	Influent	Effluent - ReInjection	Permit Limit
100	8785	235	2000	978.25	29.62	100	171.5	6.8616	10	256.5	100.1	250





Date	Time	Location	Sulfate, Total (mg/L)	Arsenic (ug/L)	Lead (ug/L)	Lithium (ug/L)	Molybdenum (ug/L)	Antimony (ug/L)	Barium (ug/L)	Boron (ug/L)	Selenium (ug/L)	Beryllium (ug/L)	Mercury (ug/L)	Turbidity	Iron (ug/L)	Alkalinity (total - mg/L)	TSS (mg/L)	TOC (mg/L)	Hardness (CaCO3 - mg/L)	pH	COD	Dissolved Organic Carbon (mg/L)
Permit Limits			250 mg/L	10ug/L	15 ug/L	40 ug/L	no specific limit - must just report results	6.0 ug/L	2,000 ug/L	2,000 ug/L	50 ug/L	4 ug/L	2 ug/L									
02/08/2021	3:00 PM	SP001 (influent)	258 mg/L	152 ug/L	14.9 ug/L	10.6 ug/L				7,910		0.2 J ug/L										
	3:05 PM	Post - Tank 501	233 mg/L	161 ug/L	15.8 ug/L	10.4 ug/L						0.2 J ug/L										
	3:10 PM	SP801 (effluent)	266 mg/L	51.8 ug/L	5.9 ug/L							<0.5 ug/L										
02/09/2021	3:00 PM	SP001 (influent)	257 mg/L	156 ug/L	15.5 ug/L	11.5 ug/L	1110 ug/L															
		Post - Tank 501 Decant	227 mg/L	25 ug/L	2.0 ug/L	11.2 ug/L	93.8 ug/L															
02/10/2021	2:25 PM	SP001 (influent)	263 mg/L	169 ug/L	15.8 ug/L		1,070 ug/L			7,510 ug/L				10.5 NTU								
	2:50 PM	Post - Tank 501 Decant	239 mg/L	73.7 ug/L	6.2 ug/L		354 ug/L			7,850 ug/L												
	2:55 PM	PT - 701	270 mg/L	71.2 ug/L	7.8 ug/L		354 ug/L			7,660 ug/L												
	3:00 PM	SP801 (effluent)	8 J ug/L	6.0 ug/L	0.9 J ug/L		13.7 ug/L			<500 ug/L				2.10 NTU								
02/12/2021	3:00 PM	SP001 (influent)	261 mg/L	145 ug/L	12.2 ug/L	12.2 ug/L	852 ug/L			8,110 ug/L					1450 ug/L							
	2:35 PM	Post - Tank 501	245 mg/L	30.8 ug/L	3.9 ug/L	12.6 ug/L	137 ug/L			8,380 ug/L					8,380 ug/L							
	3:05 PM	PT -701	269 mg/L	51.5 ug/L	6.8 ug/L	14.3 ug/L	298 ug/L			9,240 ug/L					18,200 ug/L							
	3:08 PM	CV 703	253 mg/L	64.5 ug/L	8.4 ug/L	15.7 ug/L	349 ug/L			9,910 ug/L					22,300 ug/L							
	3:12 PM	SP801 (effluent)	7 J mg/L	0.8 J ug/L	1.0 ug/L	13.7 ug/L	0.7 J ug/L			20 J ug/L					188 ug/L							
02/15/2021	10:53 AM	SP001 (influent)	280 mg/L	167 ug/L	13.8 ug/L	11.6 ug/L	871 ug/L	4.1 ug/L	70.1 ug/L	7,400 ug/L	<40.0 ug/L	0.5 ug/L	0.2 ug/L		1,620 ug/L							
	10:50 AM	Post - Tank 501	228	39.1	3.3		114			7,270					1,020							
	11:08 AM	PT-701	218	43.4	4		141			7,310					12,200							
	11:18 AM	CV-703	228	43.2	4.3		147			7,300					13,900							
	11:25 AM	SP801 (effluent)	63	1.2	1	12.4	<10.0	0.5 J	10.9	<20.0	<40.0	<0.5	<0.2		84.8							
	11:02 AM	Post-Tank 401	254	188	15.8		853								1,910							
	11:40 AM	CV-703	225	16	0.6 J		92.9			7,530												
02/16/2021	3:26 PM	SP001 (influent)		181 ug/L (dissolved) 145 ug/L (total)			817 ug/L (dissolved) 848 ug/L (total)								1,160 ug/L (dissolved) 1,750 ug/L (total)							
	3:40 PM	Tank 501		7.4 ug/L (dissolved)			3.8 J ug/L (dissolved)								5,010 ug/L (dissolved)							
				38.6 ug/L (total)			117 ug/L (total)								14,100 ug/L (total)							
	3:30 PM	Post - Tank 501		9.4 ug/L (dissolved)			4.6 J ug/L (dissolved)								4,370 ug/L (dissolved)							
				30.9 ug/L (total)			79.5 ug/L (total)								10,400 ug/L (total)							
	3:45 PM	Post-Tank 601		9.4 ug/L (dissolved)			12.0 ug/L (dissolved)								4,930 ug/L (dissolved)							
				37.3 ug/L (total)			121 ug/L (Total)								13,300 ug/L (total)							
	3:55 PM	CV-703		12.2 ug/L (dissolved)			98.4 ug/L (dissolved)								1,480 ug/L (dissolved)							
				32.0 ug/L (total)			151 ug/L (total)								13,300 ug/L (total)							
02/19/2021	5:30 PM	SP001 (influent)	272 mg/L	155 ug/L (dissolved) 156 ug/L (total)	11.5 ug/L		888 ug/L (dissolved) 946 ug/L (total)			8,110 ug/L					965 ug/L (dissolved) 1,660 ug/L (total)							
	5:35 PM	Post-Tank 501	269 mg/L	42.3 ug/L	3.1 ug/L		195 ug/L								12,800 ug/L							
	5:40 PM	PT-701	239 mg/L	10.4 ug/L (dissolved) 23.2 ug/L (total)	3.5 ug/L		16.4 ug/L (dissolved) 96.8 ug/L (total)								4,120 ug/L (dissolved) 8,600 ug/L (total)							
	5:45 PM	CV-703	249 mg/L	6.6 ug/L (dissolved) 7.4 ug/L (total)	<1.0 ug/L		4.7 J ug/L (dissolved) 6.4 J ug/L (total)								162 ug/L (dissolved) 342 ug/L (total)							
	5:50 PM	Post NaOH	249 mg/L	6.8 ug/L (dissolved) 10.4 ug/L (total)	<1.0 ug/L		16.8 ug/L (dissolved) 29.5 ug/L (total)								149 ug/L (dissolved) 1,730 ug/L (total)							
	5:55 PM	SP801 (effluent)	160 mg/L (total)	1.1 ug/L (total)	<1.0 ug/L (total)		<10.0 ug/L (total)			<20.0 ug/L (total)					110 ug/L (total)							
		% reduction from influent to effluent	41%	99%	91%		99%			99.70%												
03/11/2021		SP001 (influent)	246	161			980			8,250						295	836	12.1	92.9			
		SP801 (effluent)	267	22.1			9.6 J			<20.0												
		PT-701	264	72.4			298			8,520												
03/15/2021		Tank 1101 - start	9130	28.8	39.7		675			815000					253000							
Resin Regeneration	pH = 1	Tank 1101 - End	3090	<500	4		113			472000												
03/24/2021	18 days of using resin	SP801 (diverted to WWTP)	338	127			525			3,650												
Resin Regeneration - caustic	pH = 13	Caustic Rinse	6590	154			21,400			13.0 J												
	Full rinse = 300 gallons	Mid Final Rinse	151	<10			28.1			54.6												

Date	Time	Location	Sulfate, Total (mg/L)	Arsenic (ug/L)	Lead (ug/L)	Lithium (ug/L)	Molybdenum (ug/L)	Antimony (ug/L)	Barium (ug/L)	Boron (ug/L)	Selenium (ug/L)	Beryllium (ug/L)	Mercury (ug/L)	Turbidity	Iron (ug/L)	Alkalinity (total - mg/L)	TSS (mg/L)	TOC (mg/L)	Hardness (CaCO3 - mg/L)	pH	COD	Dissolved Organic Carbon (mg/L)
Permit Limits			250 mg/L	10ug/L	15 ug/L	40 ug/L	no specific limit - must just report	6.0 ug/L	2,000 ug/L	2,000 ug/L	50 ug/L	4 ug/L	2 ug/L									
03/24/2021		SP801 (effluent)	70	<10.0			37.1			<20.0												
03/29/2021		SP801 (effluent)	222	36.7			7.9 J			<20.0												
		SP801 (effluent)	223	24.7			7.7 J			<40.0												
04/09/2021		CV703	155	38.9			56.4															
05/05/2021		CV703	136	97.5			7.6 J															
		PT701	139	86.1			461															
05/10/2021		WS (water softener)	143	<10.0			5.3 J			38.9									2.23			
		SP501	196	58.4			269			8940												
		PT701	201	21			50.9			235												
		CV703	85	<10			<10			371												
05/11/2021		SP001	236	180			1020			9480											9.91	
		SP501	228	73.5			364			9410											3.51	
		CV703	186	<10.0			3.9 J			6910											3.83	
		PT701	212	50.5			225			9470											3.47	
05/12/2021		SP001	222	176	4.2		1010	5.6	36.7	9120	<50.0										10.2	
		SP501 (dissolved)	111	26.9	2.1		96.3	1.2	57	8750	<50.0										3.56	
		(total)		67.5	3.4		338	2.1	62.6	9460	<50.0											
		Resin Rinse (dissolved)	150 J	24.5	<4.0		418	<4.0	2.8	522	<50.0											
		(total)		27.2	<4.0		532	<4.0	3	532	<50.0											
05/18/2021		CV703	199	4.2			<10			9110												
05/13/2021		Resin Rinse	160	<10.0 dissolved <10.0 total			3.7 J dissolved 4.2 J total			399.0 dissolved 446.0 total					<40.0 dissolved 237.0 total				22.3			
05/19/2021		CV703	185	<10.0			18			9230												
05/24/2021		Resin Rinse 4	147	<10.0			<10.0			<20.0												
		CV703-3	188				7.6 J			9220												
05/24/2021	16:00	CV703	50	<10.0			<10.0			7840												
		CV703-P10	191	12.4			311			8070												
05/26/2021		Stage 1 Rinse																	1.6			38 J mg/L
06/04/2021		CV703	192	<10.0			<10.0			8920												
06/07/2021		SP001 (dissolved)		147			902			8,000					884			10.8		9.81		8.2
		(total)		156			943			8,340					1,120							
		SP501 (dissolved)		15.3			89.4			7,830					935			5.4		8.18		3.8
		(total)		27.8			144			8,310					9,310							
		SP701 (dissolved)		<10.0			<10.0			7,740					880			1.3		3.78		0.8J
		(total)		22.1			9.9			8,250					8,680							
		CV703 (dissolved)		<10.0			<10.0			7,770					157			0.5 J		5.48		0.5 J
		(total)		<10.0			<10.0			8,130					221							
		Resin 3-4 (dissolved)		<10.0			<10.0			105					<40.0			2.3		12.5		2.3
		(total)		<10.0			<10.0			118					<40.0							
06/09/2021		SP001 (dissolved)		133			849			7,300					684			10.4		9.96		8.6
		(total)		158			1020			8530					982							
		SP501 (dissolved)		<10.0			8.3			7950					525			1.5		4.25		1.5
		(total)		39.4			239			8280					12,400							
		SP701 (dissolved)		<10.0			3.8 J			7,970					5,500			0.9 J		3.17		<1.0
		(total)		19			120			8,570					17,700							
		CV703 (dissolved)		<10.0			<10.0			7,910					3,230			<1.0		3.22		<1.0
		(total)		<10.0			<10.0			8,850					3,750							
		Resin 3-4 (dissolved)		<10.0			<10.0			<20.0					50.7			<1.0		8.5		<1.0
		(total)		<10.0			<10.0			<20.0					153							
06/11/2021	13:20	SP001 (dissolved)		161			987			8,640					1,040					9.67		
		(total)		160			1,050			9,170					1,180							
		SP501 (dissolved)		14.6			53.2			8,570					3,660					3.48		
		(total)		53.4			280			9,130					19,200							
		SP701 (dissolved)		21.5			68			8,560					5,720					3.22		
		(total)		45.7			250			9,060					19,800							
		CV703 (dissolved)		<10.0			<10.0			8,600					962					3.24		
		(total)		12.9			4.4 J			9,290					2,660							
		Resin 3-4 (dissolved)		<10.0			<10.0			<20.0					954					8.1		
		(total)		<10.0			<10.0			<20.0					1,390							

Date	Time	Location	Sulfate, Total (mg/L)	Arsenic (ug/L)	Lead (ug/L)	Lithium (ug/L)	Molybdenum (ug/L)	Antimony (ug/L)	Barium (ug/L)	Boron (ug/L)	Selenium (ug/L)	Beryllium (ug/L)	Mercury (ug/L)	Turbidity	Iron (ug/L)	Alkalinity (total - mg/L)	TSS (mg/L)	TOC (mg/L)	Hardness (CaCO3 - mg/L)	pH	COD	Dissolved Organic Carbon (mg/L)
Permit Limits			250 mg/L	10ug/L	15 ug/L	40 ug/L	no specific limit - must just report results	6.0 ug/L	2,000 ug/L	2,000 ug/L	50 ug/L	4 ug/L	2 ug/L									
06/14/2021	11:20	SP001 (dissolved)		151			983			8,590					766					9.64		
		(total)		158			1,040			9,200					1,470							
		SP501 (dissolved)		<10.0			7.8 J			8,560					1,200					3.47		
		(total)		47			283			9,090					19,000							
		SP701 (dissolved)		10.3			5.7 J			8,620					4,610					3.04		
		(total)		48.2			268			9,150					25,600							
		CV703 (dissolved)		<10.0			<10.0			8,600					2,240					3.25		
		(total)		<10.0			<10.0			8,950					2,410							
		Resin 3-4 (dissolved)		21.4			<10.0			42					<40.0					7.3		
		(total)		18.9			<10.0			39.3					30.0 J							
06/14/2021	17:15	SP001 (dissolved)		152			1,000			8,600					1,120					9.72		
		(total)		157			1,070			9,200					1,390							
		SP501 (dissolved)		<10.0			13.5			8,590					1,660					3.53		
		(total)		96			577			9,220					32,200							
		SP701 (dissolved)		13.1			5.5 J			8,590					2,950					3.24		
		(total)		52.8			256			9,120					18,800							
		CV703 (dissolved)		<10.0			<10.0			8,670					485					4.55		
		(total)		<10.0			<10.0			9,120					556							
		Resin 3-4 (dissolved)		<10.0			<10.0			<20.0					<40.0					12		
		(total)		<10.0			<10.0			<20.0					<40.0							

TCLP results for Boron - 5/18/2021

Analyte	Unit		Result	
Mercury TCLP	mg/L	<	0.00020	
Arsenic, TCLP	mg/L	<	0.250	
Barium, TCLP	mg/L	<	0.450	
Cadmium, TCLP	mg/L	<	0.0200	
Chromium, TCLP	mg/L		0.058	J
Lead, TCLP	mg/L	<	0.400	
Selenium, TCLP	mg/L	<	0.500	
Silver, TCLP	mg/L	<	0.0700	