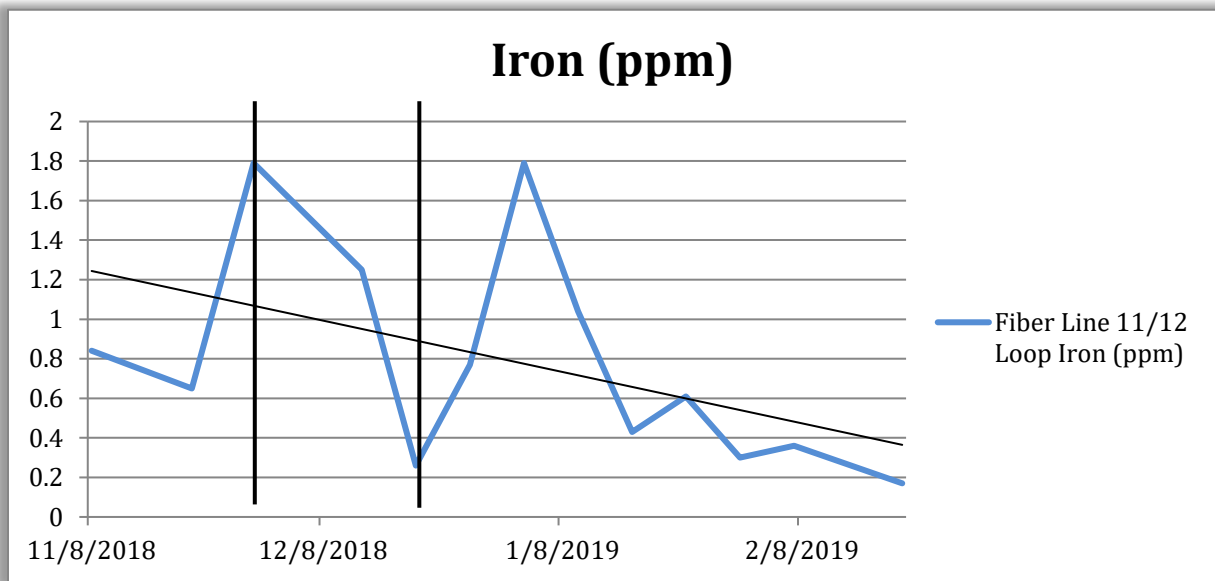




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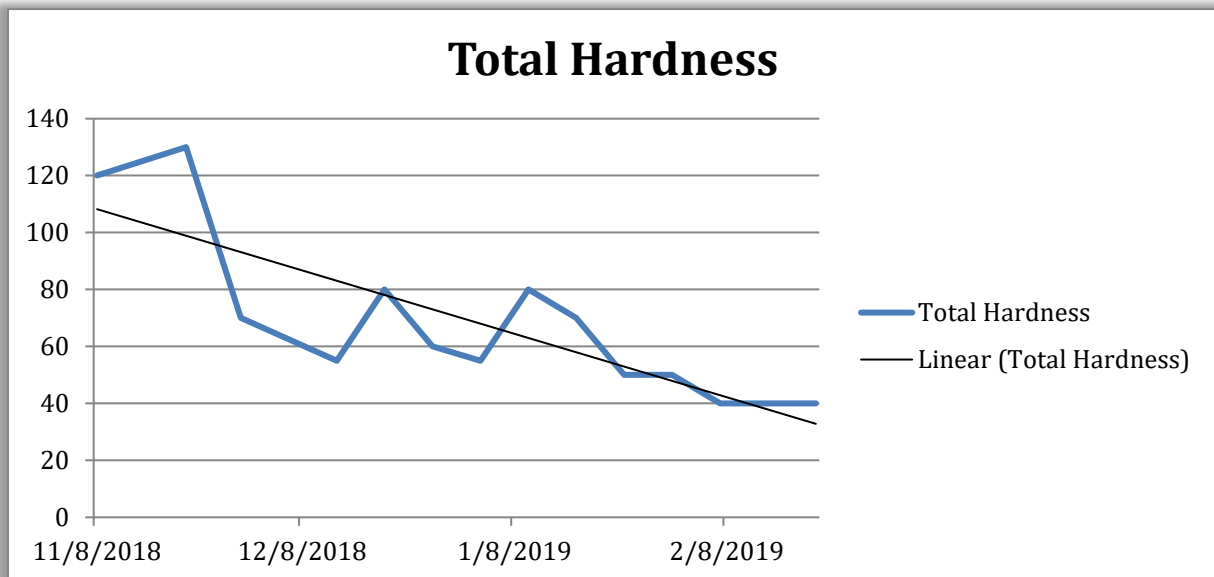
## ProMoss™ Treatment of Semi-Closed Loop



ProMoss was added to the system 8 Nov 2018. An initial spike in irons occurred and filters were changed frequently. This was a result of iron deposits and organic contamination being liberated and put into suspension. The system was flushed for two weeks which is represented by the large reduction in iron levels from early to mid-December. Iron levels continue to trend down.



The water cleared up with reduced turbidity. Foaming likely caused by organic contamination has been nearly eliminated.



Total hardness continues to decrease with ProMoss treatment.

<b>Fiber Line 11/12 Loop</b>				
Date	Conductivity	pH	Iron	Total Hardness
11-8-18	772	8.4	0.84	120
Began ProMoss Treatment				
11-21-18	438	8.59	0.65	130
11-29-18	446	9.73	1.79	70
12-13-18	462	8.36	1.25	55
12-20-18	388	8.83	0.26	80
12-27-18	394	8.94	0.77	60
1-3-19	399	8.58	1.79	55
1-10-19	466	9.13	1.04	80
1-17-19	450	8.9	0.43	70
1-24-19	445	8.6	0.61	50
1-31-19	432	8.77	0.3	50
2-7-19	447	8.84	0.36	40
2-21-19	458	8.68	0.16	40
2-28-19	452	8.61	0.13	30



Used bags of ProMoss show the iron that has been absorbed from the loop water.