

Sheep River Regional Utility Corporation / Town of Turner Valley

*1105 Calkins Place S.E.
Turner Valley, Alberta, Canada T0L 2A0
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Alberta Environment and Sustainable Resource Development
2nd Floor, Deerfoot Square
29380 – 11 Street NE
Calgary, AB
T2E 7L7

Attention: Mr. Frank Lotz, P.Eng.
Municipal Approvals Engineer

Re: Approval 1242-02-12
Facility: SRRUC Turner Valley Water Treatment Plant
Issue: 2019 Annual Report

As per the requirements of Section 6.3.2 of the above noted Approval, we enclose the following:

- A summary of the monthly reports, specifying the monthly minimum, average, and maximum results for each parameter monitored, excluding bacteriological results;
- The results of any other compliance monitoring done during the year pursuant to this approval, that was not included in any monthly report;
- A summary of the written complaints investigated and steps taken, if any, to remediate or mitigate the impact(s) identified in the investigation as part of the Approval Holder Contact and Complaint Follow-Up Program;
- A description of any problems experienced, and corrective actions taken at the waterworks system during the year;
- Any changes to the Operations Program.

The supervising operator for the facility was Dennis Leis;

This is also to advise you copies of the following Reports will be delivered to your office on or before February 28, 2019 by others:

1. Results of any other compliance monitoring done during the year pursuant to this approval, that weren't included in any monthly report;
2. Recommendations if any for changes to the Sampling and Analytical Protocols;
3. The Annual Source Water Program Report;
4. The Annual Well and Infiltration Gallery Water Monitoring Program Report;
5. The Annual Stored Raw Water Quality Monitoring Program Report;
6. The Reservoir Site Groundwater Monitoring Program Report;
7. The Remedial Action Plan for Specific Possible Contaminants Annual Report;

I trust you will find the above to be in order. If you have any questions or require further clarification, please contact Dennis Leis at 403-933-5190.

Sincerely,

A handwritten signature in blue ink, appearing to read "Dennis Leis", is positioned above a yellow rectangular stamp or mark.

Dennis Leis, Utility Forman

cc: SRRUC CEO
MPE Engineering
Stantec

Sheep River Regional Utility Corporation

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Attention: Mr. Frank Lotz, P.Eng.
Municipal Approvals Engineer

Re: Water License No's 10987, 10989, 10990, 20226, 76672, 368807, 396081, 396077, 00404595-00-00

**Facility: SRRUC Turner Valley Water Treatment Facility
Issue: 2019 Annual Diversion Report**

As per the requirements of the above noted License's, we enclose the following:

- A summary of the monthly diversion amounts for the above named licenses including the monthly production in cubic metres together with the flow rates in litres per second for each water source;
- A summary of the allowable annual diversion amounts including limits, percentages of licenses used and total water volumes diverted;
- A summary for the year of the monthly water well levels in metres.
- A tabulation of the required chemical testing data for the year for all of the licensed water sources is included in Stantec's report "2019 Annual Report for Stored Raw Water, Reservoir Site Groundwater, Well and Infiltration Gallery Water Monitoring Programs – Turner Valley " submitted separately.

I trust you will find the above to be in order. If you have any questions or require further clarification, please contact Dennis Leis at 403-933-5190.

Sincerely,



Dennis Leis, Utility Forman

cc: SRRUC CEO
MPE Engineering
Stantec

2019 Water Diversion License Report

Well License Numbers:		TV					BD		MC	Total Monthly Diversion	TV Monthly Distribution	BD Monthly Transmission	
		396081	10989		20226	10990	76672	368807	396077				00404595-00-00
		Direct	TW4	TW7	TW7	TW5A	CW8	VW5	Direct				Direct
January	Well Production m ³	0		7791	5442	5156	32138	0	0.00	50526	16255	33571	
	Flow Rate L/sec	0		6.80	4.75	4.50	11.85	0.00	0.00				
February	Well Production m ³	17156		9172	3729	2413	28298	45955	0.00	106723	15967	32480	
	Flow Rate L/sec	7.09		6.70	4.60	2.60	12.00	19.00	0.00				
March	Well Production m ³	9819		3148	2392	1511	26640	31171	0.00	74681	17991	31055	
	Flow Rate L/sec	3.67		6.25	4.75	3.00	8.80	20.63	0.00				
April	Well Production m ³	1518		5064	4052	2431	25795	9105	0.00	47965	16342	32171	
	Flow Rate L/sec	0.59		6.25	5.00	3.00	9.08	3.51	0.00				
May	Well Production m ³	2212		7367	5184	3425	40681	13268	876.27	73013	18270	32213	
	Flow Rate L/sec	0.83		6.75	4.75	4.50	10.70	4.95	0.33				
June	Well Production m ³	1125		6652	4435	4435	48273	6749	653.06	72322	19113	24967	
	Flow Rate L/sec	0.43		6.75	4.50	4.50	13.00	2.60	0.25				
July	Well Production m ³	0		6824	4549	4549	48441	0	683.93	65047	19585	27243	
	Flow Rate L/sec	0		6.75	4.50	4.50	13.00	0.00	0.26				
August	Well Production m ³	384		6586	4559	4559	42842	0	645.16	59575	19615	27678	
	Flow Rate L/sec	0.14		6.50	4.50	4.50	13.00	0.00	0.24				
September	Well Production m ³	2836		6197	4426	3984	38087	17008	498.32	73036	16592	24343	
	Flow Rate L/sec	1.09		7.00	5.00	4.50	12.00	6.56	0.19				
October	Well Production m ³	862		6404	4575	4117	35910	5171	447.10	57487	16371	24135	
	Flow Rate L/sec	0.32		7.00	5.00	4.50	11.00	1.93	0.17				
November	Well Production m ³	0		6070	4335	3902	36296	0	388.06	50991	15977	20546	
	Flow Rate L/sec	0		7.00	5.00	4.50	11.00	0.00	0.15				
December	Well Production m ³	0		7050	2266	4532	42620	0	426.06	56895	16848	23529	
	Flow Rate L/sec	0		7.00	2.25	4.50	13.00	0.00	0.16				
TOTALS (m³):		35,912	0	78,324	49,944	45,014	446,021	128,428	4,617.96	788,261	208,926	333,930	

Total Diversion 209,195 574,449

Water Diverted (m³):	35,912	78,324	49,944	45,014	446,021	128,428	4,618	788,261
Licence Diversion Limits (m³):	36,367	116,835	93,649	121,835	145,700	527,790	426,925	10,430
Percentage Of License Used:	99%	37.2%	41.0%	30.9%	84.5%	30.1%	44.3%	53.3%
Max Licensed Flowrates:	4/8 l/s		<= 7.5 L/s	<= 9.8 L/s	<= 24 L/s	24/67 l/s		