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

Re: Water License No's 10987, 10989, 10990, 20226, 76672, 366775, 368539
Facility: Town of Turner Valley Water Treatment Plant
Issue: 2015 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 "2015 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 Plant Supervisor

cc: Town of Turner Valley CAO
MPE Engineering
Stantec

February 18, 2016

**Turner Valley Water Treatment Facility
2015 Water Diversion License Report**

Diversion License Numbers:	10987		10989		20226	10990	76672	Monthly Diversion
	Well #2	Well #3	Well #4	TW7	TW7	TW5A	CW8	
January Well Production m ³				14000		0	10919	24919
Flow Rate L/sec				8.10			6.25	
February Well Production m ³				11486		0	6667	18153
Flow Rate L/sec				7.75			6.20	
March Well Production m ³				11209		0	4867	16076
Flow Rate L/sec				7.65			6.50	
April Well Production m ³				11291		0	8187	19478
Flow Rate L/sec				7.90			6.85	
May Well Production m ³				10842		0	9562	20404
Flow Rate L/sec				7.40			6.40	
June Well Production m ³				11434		2237	9151	22822
Flow Rate L/sec				8.00		5.50	6.20	
July Well Production m ³				11483		126	6851	18459
Flow Rate L/sec				7.20		5.00	5.50	
August Well Production m ³				12285		0	1683	13968
Flow Rate L/sec				7.60			5.50	
September Well Production m ³				10342		0	7543	17885
Flow Rate L/sec				6.65			4.85	
October Well Production m ³				11339		0	10378	21717
Flow Rate L/sec				7.45			5.95	
November Well Production m ³				11860		0	6947	18807
Flow Rate L/sec				7.40			5.20	
December Well Production m ³				7431		1159	5984	14573
Flow Rate L/sec				7.25		5.25	5.25	
TOTALS (m³):	0	0	0	135,001		3,522	88,739	227,262
Water Diverted (m³):	0			135,001		3,522	88,739	227,262
Annual Diversion Limits (m³):	36,369			116,835	93,649	121,835	145,700	514,388
Percentage Of License Used:	0%			64.1%		2.9%	60.9%	44.2%
Max Licensed Flowrates:								<= 9 L/s

The Town of Turner Valley Summary of Water Well Levels for 2015

MONTH		JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
DATE		23	17	24	21	25	23	28	27	24	26	27	29

TW5A	STATIC Time	4.43 m 11:40 AM	4.51 m 10:53 AM	4.38 m 10:50 AM	3.05 m 10:15 AM	3.72 m 11:10 AM	3.72 m 10:50AM	4.46 m 10:50 AM	3.86 m 11:00 AM	4.15 m 11:15 AM	4.37 m 10:55 AM	4.48 m 10:40 AM	4.15 m 11:15 AM
	DYNAMIC Time												

TW7	STATIC Time												
	DYNAMIC Time	5.03 m 11:30 AM	6.36 m 11:15 AM	5.23 m 10:45 AM	4.98 m 10:25 AM	4.73 m 11:05 AM	4.75 m 11:10 AM	4.24 m 11:10 AM	4.85 m 11:05 AM	4.85 m 11:00 AM	5.65 m 10:45 AM	> 8.00 m 10:55 AM	4.87 m 10:55 AM

CW8	STATIC Time								5.69 m 11:15 AM				
	DYNAMIC Time	6.78 m 11:35 AM	6.88 m 10:56 AM	6.76 m 10:55 AM	5.87 m 10:20 AM	6.16 m 11:15 AM	6.11 m 10:55 AM	6.75 10:55 AM		6.40 m 11:20 AM	6.69 m 11:00 AM	6.72 m 10:45 AM	6.37 m 11:20 AM

VW5	STATIC Time				4.78 m 10:10 AM								
	DYNAMIC Time	6.71 m 11:45 AM	6.82 m 11:05 AM	6.57 m 11:00 AM		5.74 m 11:20 AM	5.73 m 11:00 AM	6.94 11:00 AM	6.00 m 11:20 AM	6.31 m 11:25 AM	7.00 m 11:05 AM	6.71 m 10:35 AM	6.27 m 11:30 AM

Note: All levels are measured from Top Of Casing to top or water column.

**Turner Valley Water Treatment Facility
2015 Water Diversion Report
Black Diamond Temporary Diversion Licenses**

Diversion License Numbers:	366775	368539	Monthly Diversion
	VW5	VW5	
January Well Production m ³	45961		45961
Flow Rate L/sec	17.00		
February Well Production m ³	37218		37218
Flow Rate L/sec	16.25		
March Well Production m ³	43082		43082
Flow Rate L/sec	16.10		
April Well Production m ³	32832		32832
Flow Rate L/sec	16.00		
May Well Production m ³	42854		42854
Flow Rate L/sec	16.00		
June Well Production m ³	5126	31374	36500
Flow Rate L/sec	16.00	16.60	
July Well Production m ³		54907	54907
Flow Rate L/sec		20.50	
August Well Production m ³		52920	52920
Flow Rate L/sec		20.00	
September Well Production m ³		40591	40591
Flow Rate L/sec		17.40	
October Well Production m ³		44479	44479
Flow Rate L/sec		19.80	
November Well Production m ³		42594	42594
Flow Rate L/sec		16.43	
December Well Production m ³		42927	42927
Flow Rate L/sec		16.00	
TOTALS (m³):	207,073	309,792	516,865

Water Diverted (m³):	207,073	309,792	516,865
Annual Diversion Limits (m³):	307,227	527,790	835,017
Percentage Of License Used:	67.4%	58.7%	61.9%

Max Licensed Flowrates: <= 24 L/s <=24 L/s

Note: Remainder of TDL366775 volume not used in 2014

Note: Total TDL368539 licensed volume June 05/15 to June 05/16