



December 16, 2009

James D. Smith
Permit Supervisor
Utah Division of Oil, Gas, and Mining
1594 West North Temple, Suite 1210
Salt Lake City, Utah 84114

**RE: Analytical Results from Groundwater Samples
Covol Engineered Fuels, LC
Permit No. C/007/0045
Task ID #3420**

Dear Mr. Smith:

As requested by the Division of Oil, Gas, and Mining (DOGM) in their letter dated December 7, 2009, Covol Engineered Fuels, LC (Covol) is submitting four clean copies of Table 7-1 to be incorporated into the permit application for Permit No. C/007/0045.

If you have any questions regarding the analytical results or Table 7-1, please call me at (801) 984-3770.

Sincerely,

A handwritten signature in black ink that reads "Gina Rau". The signature is written in a cursive, flowing style.

Gina Rau
Environmental Manager

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DIV. OF OIL, GAS & MINING

TABLE 7-1

Results of Groundwater Analyses,
 COVOL Monitoring Well

Parameter	Dated Sampled			
	24 Dec 2008	17 Mar 2009	15 Jun 2009	23 Sep 2009
Field Analyses (units as indicated)				
Depth to water (ft) ^(a)	12.00	12.01	12.53	12.54
Temperature (°C)	12.1	11.0	15.7	17.1
pH (std units)	7.40	7.13	6.71	6.90
Specific conductance (mS)	9,900	--	9,370	9,990
Laboratory Analyses (mg/L)				
Bicarbonate as CaCO ₃	270	270	260	280
Calcium	390	370	390	410
Carbonate as CaCO ₃	<10	<10	<10	<10
Chloride	84	68	66	75
Iron, dissolved	<0.050	<0.050	0.97	0.92
Iron, total	300	5.6	0.27	5.6
Magnesium	270	270	260	270
Manganese, dissolved	0.57	0.60	0.58	0.50
Manganese, total	3.9	0.75	0.58	0.50
Nitrate/Nitrite as N	0.34	0.015	0.41	0.036
Potassium	36	26	28	29
Sodium	1,900	2,000	2,000	2,200
Sulfate	5,700	5,600	5,500	6,100
Total dissolved solids	11,000	8,900	8,800	8,400

^(a) Measured as depth from ground surface