

January 5, 2006

Roy Laws  
Jefferson County Department of Health and Environment  
1801 19<sup>th</sup> Street  
Golden, CO 80401

Subject: AdvanTex<sup>®</sup> Treatment System  
Effluent Testing Results  
Jefferson County, Colorado

Dear Roy,

Enclosed please find the test results for our recent round of AdvanTex testing.

In accordance with the installation permit for each property, SCG Enterprises, Inc. and Peak to Peak Septic Services collected samples during the Fall, 2005. The samples were submitted to Colorado Analytical Laboratories, Inc. for testing.

If you have any questions, please call.

Sincerely,

SCG Enterprises, Inc.

Roger J. Shafer

Enclosures – laboratory reports

Copy (without enclosures) via email to: JCDPHE – Craig Sanders

**Jefferson County ISDS Total Nitrogen Sampling  
(Residential Systems)**

Site	Start-up	Mode	AdvanTex TN (mg/l)					AVERAGE
			Fall 2003	Spring 2004	Fall 2004	Spring 2005	Fall 2005	
7066 Brook Forest Road	Nov-02	AX20-3B	22.8	11.5	9.9	6.3		<b>12.6</b>
4930 Parmalee Gulch	Nov-02	AX30-3B	9.5	12.9	14.3	10.7		<b>11.9</b>
5424 Hatch Drive	Dec-02	AX30-3B	13.7	10.2	19.2	19.9		<b>15.8</b>
22349 Natsihi Road	Dec-02	AX30-3B	24.8	5.7	22.5	15.9		<b>17.2</b>
5005 Cody Drive	Jan-03	AX30-3B	3.5	8.6	16.0	10.4		<b>9.6</b>
23597 Inca Road	Feb-03	AX30-3B	7.3	12.6	13.6	8.7		<b>10.6</b>
22369 Natsihi Road	Apr-03	AX30-3A	11.1	15.2	9.1	18.1		<b>13.4</b>
10973 Millikin Road	May-03	AX20-3B	13.3	15.7	32.4	19.2		<b>20.2</b>
10972 Millikin Road	May-03	AX30-3B		9.8	13.3	13.0	16.7	<b>13.2</b>
20272 Cypress Drive	Jun-03	AX30-3B		15.1	21.6	16.3	4.4	<b>14.4</b>
25450 Village Circle	Jun-03	AX30-3B			20.9	27.7	4.5	<b>17.7</b>
23151 Shoshone	Jun-03	AX30-3B			34.0	25.5	5.3	<b>21.6</b>
7143 Pinewood Drive	Jul-03	AX30-3B			27.1	9.6	13.6	<b>16.8</b>
28865 Cragmont Drive	Jul-03	AX30-3B			12.0	9.5	5.9	<b>9.1</b>
22378 Inca Road	Jul-03	AX30-3B			17.1	33.4	16.9	<b>22.5</b>
6997 Columbine	Sep-03	AX20-1B			25.7	25.5	11.5	<b>20.9</b>
25559 Mountain View	Nov-03	AX30-3B			19.0	22.0	20.5	<b>20.5</b>
21789 Sioux Road	Nov-03	AX30-3B			21.6	11.1	5.3	<b>12.7</b>
24357 Inca Road	Dec-03	AX30-3B			10.6	14.2	1.5	<b>8.8</b>
11074 McDonald Avenue	Feb-04	AX30-3B			9.2	14.6	13.2	<b>12.3</b>
6948 Weasel Way	Feb-04	AX30-3B			11.1	30.0	17.7	<b>19.6</b>
8395 Double Header Ranch	Mar-04	AX30-3A			19.5	28.6	13.6	<b>20.6</b>
12589 S. Parker Ave.	Mar-04	AX30-3B			17.2	14.3	18.3	<b>16.6</b>
5771 Herzman Drive	Apr-04	AX30-3B			21.4	34.7	20.6	<b>25.6</b>
5553 Santa Clara Road	Apr-04	AX30-3B			15.7	15.9	10.4	<b>14.0</b>
11760 Cherokee Trail	May-04	AX30-3A			32.5	34.3	28.0	<b>31.6</b>
5615 S. Twin Spruce Drive	May-04	AX20-3A			16.8	8.4	5.5	<b>10.2</b>
14111 West 63rd Place	Jun-04	AX40-3B				21.8	9.3	<b>15.6</b>
26739 West Street	Aug-04	AX30-3B				17.1	9.3	<b>13.2</b>
23232 Maricopa Road	Sep-04	AX20-3B				17.7	4.5	<b>11.1</b>
20813 Seminole Road	Nov-04	AX20-3B					18.0	<b>18.0</b>
24377 Inca Road	Nov-04	AX30-3B					2.7	<b>2.7</b>
25906 Stansberry Street	Dec-04	AX30-3B					22.3	<b>22.3</b>
6713 Wild Rose Lane	Feb-05	AX30-3B					17.4	<b>17.4</b>
6758 S. Columbine Road	Feb-05	AX30-3B					7.5	<b>7.5</b>
5288 Chaquita Road	Mar-05	AX30-3B					11.1	<b>11.1</b>
9457 S. Deer Creek Canyon	Apr-05	AX30-3B					14.8	<b>14.8</b>
5273 Adahi Road	Apr-05	AX30-3B					17.9	<b>17.9</b>
28885 Cragmont Drive	May-05	AX30-3B					12.6	<b>12.6</b>
14582 Elk Creek Road	May-05	AX20-3B					18.5	<b>18.5</b>
9068 Black Mountain Drive	May-05	AX30-3B					14.7	<b>14.7</b>
10988 Schweigert Avenue	May-05	AX30-3B					8.0	<b>8.0</b>
<b>AVERAGE</b>			<b>13.3</b>	<b>11.7</b>	<b>18.6</b>	<b>18.5</b>	<b>12.4</b>	<b>16.0</b>

Jefferson County ISDS Total Nitrogen Sampling  
(Commercial Systems)

Site	Date	Septic Tank TN (mg/l)	AdvanTex TN (mg/l)	Percent Reduction
JeffCo Community Living Center	October-03	86.0	36.5	58
	May-04	72.4	45.9	37
	October-04	90.7	35.4	61
	May-05	68.8	14.9	78
	October-05	51.2	24.7	52
<b>Average</b>		<b>73.8</b>	<b>31.5</b>	<b>57</b>

Site	Date	Septic Tank TN (mg/l)	AdvanTex TN (mg/l)	Percent Reduction
Highway 285 Bed & Breakfast	April-05	32.8	26.0	21
	October-05	30.5	2.7	91
<b>Average</b>		<b>31.7</b>	<b>14.4</b>	<b>55</b>

Site	Date	Septic Tank TN (mg/l)	AdvanTex TN (mg/l)	Percent Reduction
Wheel-In Cottages	April-05	107.4	46.7	57
	December-05	116.4	16.5	86
<b>Average</b>		<b>111.9</b>	<b>31.6</b>	<b>72</b>

Site	Date	Septic Tank TN (mg/l)	AdvanTex TN (mg/l)	Percent Reduction
Conifer Medical Center	April-05	95.4	79.9	16
	December-05	110.2	39.4	64
<b>Average</b>		<b>102.8</b>	<b>59.7</b>	<b>42</b>

Site	Date	Septic Tank TN (mg/l)	AdvanTex TN (mg/l)	Percent Reduction
Old Glory Antiques Building	April-05	60.0	13.9	77
	October-05	65.2	9.9	85
<b>Average</b>		<b>62.6</b>	<b>11.9</b>	<b>81</b>

Site	Date	Septic Tank TN (mg/l)	AdvanTex TN (mg/l)	Percent Reduction
Conifer Office Building	December-05	127.4	25.0	80
<b>Average</b>		<b>127.4</b>	<b>25.0</b>	<b>80</b>

Jefferson County ISDS Total Nitrogen Sampling  
(Commercial Systems)

Site	Date	Septic Tank TN (mg/l)	AdvanTex TN (mg/l)	Percent Reduction
Aspen Park Loaf N Jug	December-05	123.1	83.7	32
<b>Average</b>		<b>123.1</b>	<b>83.7</b>	<b>32</b>