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1325 Dills Cove Rd.
Sylva, NC 28779

MOUNTAIN GEOLOGY, INC.

Phone & Fax
(704) 586-3955

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TO: Solid Waste Section
Attn: Larry Rose
P. O. Box 27687
Raleigh, NC 27611-7687

RE: Jackson County Landfill
11/97 Water Sampling
Appendix I - Surface Water
Appendix II- Ground Water

Attached are the following:

- Field Measurements
- Analyses above background
- Groundwater flow direction & rate
- Analyses
- Chain of Custody
- Bailer Certification

Please contact me if you need further information.

Michael H. Owens

MICHAEL H. OWENS

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Jackson County Landfill

Field Measurements

Site	pH	temp(°C)	conductivity (umho)	water depth (ft)
MW-1	5.35	12.0	80.3	90.7
MW-2	6.32	13.1	83.3	37.4
MW-3	5.58	14.2	170.0	52.2
MW-4	5.20	14.2	260.0	28.6
MW-5	5.68	13.7	322.0	45.4
U (upstream)	7.42	9.3	26.8	-
D (downstream)	7.55	9.3	26.9	-

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Jackson County Landfill - Monitor Wells

Summary of metals Analyses above background

Monitor well	Analysis	detection limits or background (mg/l)	Analysis (mg/l)
1	Barium	0.030 +/- 0.033	0.071
	Cobalt	0.005	0.038
2	Lead*	0.003	0.006 *
	Barium	0.030 +/- 0.033	0.029
	Tin	0.250	0.390
3	Barium	0.030 +/- 0.033	0.083
4	Lead*	0.003	0.007 *
	Mecury	0.0002	0.0003
	Barium	0.030 +/- 0.033	0.930
	Tin	0.250	0.990
	Zinc	0.031 +/- 0.086	0.042
5	Cobalt	0.005	0.006
	Barium	0.030 +/- 0.033	0.150
	Tin	0.250	1.550

* note: equipment blank contains 0.006 mg/l Lead

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Jackson County Landfill - Monitor Wells

Summary of Appendix I Organic Analyses above background

Monitor well	Analysis	detection limits or background (ug/l)	Analysis (ug/l)
1	Benzene	5.0	5.00
	1,1-Dichloroethane	0.638 +/- 1.62	41.70
	1,1,1-Trichloroethane	5.0	5.00
	Xylenes	5.0	29.60
3	Chlorobenzene	5.0	5.30
	1,1-DCA		5.32
4	1.4-Dichlorobenzene	5.0	5.92
	cis-1,2-Dichloroethene	5.0	33.50
	Tetrachloroethylene	5.0	7.15
	1,1-DCA		5.32
5	Benzene	5.0	7.76
	1,4-Dichlorobenzene	5.0	11.30
	cis-1,2-Dichloroethene	5.0	72.60
	1,1-DCA		5.00

note: no other organic analytes were detected in the Appendix II analyses