ENERGY LABORATORIES, INC. * 3161 E. Lyndale * P.O Box 5688 * Helena, MT 59604
Toll Free 877.472.0711 * 406.442.0711 * FAX 406.442.0712

LABORATORY ANALYTICAL REPORT

Client: HydroSolutions Inc
Project: TRIP - TierII (formerly referred to as AMPP)
Lab ID: H07090277-043
Client Sample ID: T2/BA-10-(0-6")

Report Date: 11/01/07
Collection Date: 09/20/07 17:00
DateReceived: 09/24/07
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SATURATED PASTE							
pH, sat. paste	7.7	s.u.		0.1		ASAM10-3.2	10/05/07 15:04 / jjm
Conductivity, sat. paste	0.74	mmhos/cm		0.01		ASAM10-3	10/05/07 15:04 / jjm
Saturation	45.3	%		0.1		USDA27a	10/05/07 15:04 / jjm
Sodium Adsorption Ratio (SAR)	1.3	unitless		0.01		Calculation	10/05/07 15:04 / jjm
Bicarbonate, sat. paste	4.80	meq/L		0.02		ASA10-3	10/16/07 11:35 / jjm
SATURATED PASTE							
Calcium, sat. paste	3.75	meq/l		0.05		SW6010B	10/15/07 10:57 / skd
Magnesium, sat. paste	1.96	meq/l		0.08		SW6010B	10/15/07 10:57 / skd
Sodium, sat. paste	2.18	meq/l		0.04		SW6010B	10/15/07 10:57 / skd
Sulfate, sat. paste	2.93	meq/l		0.02		SW6010B	10/15/07 10:57 / skd
Chloride, sat. paste	0.88	meq/L		0.03		SW6010B	10/15/07 10:57 / skd
PHYSICAL CHARACTERISTICS							
Sand	24	%		1		ASA15-5	10/05/07 15:04 / jjm
Silt	55	%		1		ASA15-5	10/05/07 15:04 / jjm
Clay	21	%		1		ASA15-5	10/05/07 15:04 / jjm
Texture	SiL	unitless				ASA15-5	10/05/07 15:04 / jjm
CHEMICAL CHARACTERISTICS							
Fluoride	ND	mg/kg		1.0		A4500-F C	10/28/07 00:00 / sld
Potassium, NH4OAc Extractable	126	meq/100g		1		ASA13-3	10/12/07 15:04 / skd
Organic Matter	2.24	%		0.02		ASA29-3	09/28/07 12:42 / jjm
Cation Exchange Capacity	28.0	meq/100g		0.09		SW6010B	10/16/07 13:04 / skd
Lime as CaCO3	5.3	%		0.1		USDA23c	10/04/07 00:00 / jjm
Phosphorus	7.8	mg/kg		0.1		ASA24-5	10/02/07 13:36 / sld
Nitrate as N, KCL Extract	8.5	mg/kg		1.0		ASA38-3	10/01/07 11:45 / sld
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.63	meq/100g		0.04		SW6010B	10/12/07 15:04 / skd
EXCHANGEABLES							
Exchangeable Sodium	0.5	meq/100g		0.1		Calculation	10/05/07 15:04 / jjm
Exchangeable Sodium Percentage	1.9	%		0.1		USDA20a	10/05/07 15:04 / jjm
METALS, WATER SOLUBLE							
Selenium	ND	mg/kg		0.005		E270.3	10/20/07 11:05 / skd
METALS, DTPA EXTRACTABLE							
Zinc	0.48	mg/kg		0.02		SW6010B	10/10/07 12:01 / skd

Report Definitions:
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LABORATORY ANALYTICAL REPORT

Client: HydroSolutions Inc
Project: TRIP - TierII (formerly referred to as AMPP)
Lab ID: H07090277-043
Client Sample ID: T2/BA-10-(0-6")

Report Date: 11/01/07
Collection Date: 09/20/07 17:00
DateReceived: 09/24/07
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, CACL2 EXTRACTABLE							
Barium	1.0	mg/kg		0.20		SW6010B	10/10/07 10:40 / skd
Boron	0.21	mg/kg		0.20		SW6010B	10/10/07 10:40 / skd

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LABORATORY ANALYTICAL REPORT

Client: HydroSolutions Inc
Project: TRIP - TierII (formerly referred to as AMPP)
Lab ID: H07090277-044
Client Sample ID: T2/BA-10-(6-12")

Report Date: 11/01/07
Collection Date: 09/20/07 17:00
DateReceived: 09/24/07
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SATURATED PASTE							
pH, sat. paste	7.8	s.u.		0.1		ASAM10-3.2	10/05/07 15:04 / jjm
Conductivity, sat. paste	1.14	mmhos/cm		0.01		ASAM10-3	10/05/07 15:04 / jjm
Saturation	42.8	%		0.1		USDA27a	10/05/07 15:04 / jjm
Sodium Adsorption Ratio (SAR)	3.4	unitless		0.01		Calculation	10/05/07 15:04 / jjm
Bicarbonate, sat. paste	3.75	meq/L		0.02		ASA10-3	10/16/07 11:35 / jjm
SATURATED PASTE							
Calcium, sat. paste	3.41	meq/l		0.05		SW6010B	10/15/07 11:00 / skd
Magnesium, sat. paste	2.44	meq/l		0.08		SW6010B	10/15/07 11:00 / skd
Sodium, sat. paste	5.81	meq/l		0.04		SW6010B	10/15/07 11:00 / skd
Sulfate, sat. paste	7.63	meq/l		0.02		SW6010B	10/15/07 11:00 / skd
Chloride, sat. paste	0.88	meq/L		0.03		SW6010B	10/15/07 11:00 / skd
PHYSICAL CHARACTERISTICS							
Sand	24	%		1		ASA15-5	10/05/07 15:04 / jjm
Silt	56	%		1		ASA15-5	10/05/07 15:04 / jjm
Clay	20	%		1		ASA15-5	10/05/07 15:04 / jjm
Texture	SiL	unitless				ASA15-5	10/05/07 15:04 / jjm
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	25.5	meq/100g		0.09		SW6010B	10/16/07 13:06 / skd
Lime as CaCO3	5.7	%		0.1		USDA23c	10/04/07 00:00 / jjm
Nitrate as N, KCL Extract	6.8	mg/kg		1.0		ASA38-3	10/01/07 11:47 / sld
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.75	meq/100g		0.04		SW6010B	10/12/07 15:06 / skd
EXCHANGEABLES							
Exchangeable Sodium	0.5	meq/100g		0.1		Calculation	10/05/07 15:04 / jjm
Exchangeable Sodium Percentage	2.0	%		0.1		USDA20a	10/05/07 15:04 / jjm

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LABORATORY ANALYTICAL REPORT

Client: HydroSolutions Inc
Project: TRIP - TierII (formerly referred to as AMPP)
Lab ID: H07090277-045
Client Sample ID: T2/BA-10-(12-24")

Report Date: 11/01/07
Collection Date: 09/20/07 17:00
DateReceived: 09/24/07
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SATURATED PASTE							
pH, sat. paste	8.0	s.u.		0.1		ASAM10-3.2	10/05/07 15:04 / jjm
Conductivity, sat. paste	1.09	mmhos/cm		0.01		ASAM10-3	10/05/07 15:04 / jjm
Saturation	41.1	%		0.1		USDA27a	10/05/07 15:04 / jjm
Sodium Adsorption Ratio (SAR)	3.4	unitless		0.01		Calculation	10/05/07 15:04 / jjm
Bicarbonate, sat. paste	3.40	meq/L		0.02		ASA10-3	10/16/07 11:35 / jjm
SATURATED PASTE							
Calcium, sat. paste	2.85	meq/l		0.05		SW6010B	10/15/07 11:03 / skd
Magnesium, sat. paste	2.35	meq/l		0.08		SW6010B	10/15/07 11:03 / skd
Sodium, sat. paste	5.56	meq/l		0.04		SW6010B	10/15/07 11:03 / skd
Sulfate, sat. paste	6.81	meq/l		0.02		SW6010B	10/15/07 11:03 / skd
Chloride, sat. paste	0.85	meq/L		0.03		SW6010B	10/15/07 11:03 / skd
PHYSICAL CHARACTERISTICS							
Sand	28	%		1		ASA15-5	10/05/07 15:04 / jjm
Silt	56	%		1		ASA15-5	10/05/07 15:04 / jjm
Clay	16	%		1		ASA15-5	10/05/07 15:04 / jjm
Texture	SiL	unitless				ASA15-5	10/05/07 15:04 / jjm
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	22.3	meq/100g		0.09		SW6010B	10/16/07 13:14 / skd
Lime as CaCO3	6.3	%		0.1		USDA23c	10/04/07 00:00 / jjm
Nitrate as N, KCL Extract	7.8	mg/kg		1.0		ASA38-3	10/01/07 11:49 / sld
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.92	meq/100g		0.04		SW6010B	10/12/07 15:09 / skd
EXCHANGEABLES							
Exchangeable Sodium	0.7	meq/100g		0.1		Calculation	10/05/07 15:04 / jjm
Exchangeable Sodium Percentage	3.1	%		0.1		USDA20a	10/05/07 15:04 / jjm

Report Definitions:
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LABORATORY ANALYTICAL REPORT

Client: HydroSolutions Inc
Project: TRIP - TierII (formerly referred to as AMPP)
Lab ID: H07090277-046
Client Sample ID: T2/BA-10-(24-36")

Report Date: 11/01/07
Collection Date: 09/20/07 17:00
DateReceived: 09/24/07
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SATURATED PASTE							
pH, sat. paste	7.9	s.u.		0.1		ASAM10-3.2	10/05/07 15:04 / jjm
Conductivity, sat. paste	1.76	mmhos/cm		0.01		ASAM10-3	10/05/07 15:04 / jjm
Saturation	37.1	%		0.1		USDA27a	10/05/07 15:04 / jjm
Sodium Adsorption Ratio (SAR)	3.4	unitless		0.01		Calculation	10/05/07 15:04 / jjm
Bicarbonate, sat. paste	2.80	meq/L		0.02		ASA10-3	10/16/07 11:35 / jjm
SATURATED PASTE							
Calcium, sat. paste	5.95	meq/l		0.05		SW6010B	10/15/07 11:05 / skd
Magnesium, sat. paste	5.24	meq/l		0.08		SW6010B	10/15/07 11:05 / skd
Sodium, sat. paste	8.13	meq/l		0.04		SW6010B	10/15/07 11:05 / skd
Chloride, sat. paste	1.13	meq/L		0.03		SW6010B	10/15/07 11:05 / skd
PHYSICAL CHARACTERISTICS							
Sand	42	%		1		ASA15-5	10/05/07 15:04 / jjm
Silt	45	%		1		ASA15-5	10/05/07 15:04 / jjm
Clay	13	%		1		ASA15-5	10/05/07 15:04 / jjm
Texture	L	unitless				ASA15-5	10/05/07 15:04 / jjm
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	19.1	meq/100g		0.09		SW6010B	10/16/07 13:17 / skd
Lime as CaCO3	5.3	%		0.1		USDA23c	10/04/07 00:00 / jjm
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	1.20	meq/100g		0.04		SW6010B	10/12/07 15:11 / skd
EXCHANGEABLES							
Exchangeable Sodium	0.9	meq/100g		0.1		Calculation	10/05/07 15:04 / jjm
Exchangeable Sodium Percentage	4.7	%		0.1		USDA20a	10/05/07 15:04 / jjm

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: HydroSolutions Inc
Project: TRIP - TierII (formerly referred to as AMPP)
Lab ID: H07090277-047
Client Sample ID: T2/BA-10-(36-60")

Report Date: 11/01/07
Collection Date: 09/20/07 17:00
DateReceived: 09/24/07
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SATURATED PASTE							
pH, sat. paste	7.9	s.u.		0.1		ASAM10-3.2	10/05/07 15:04 / jjm
Conductivity, sat. paste	2.06	mmhos/cm		0.01		ASAM10-3	10/05/07 15:04 / jjm
Saturation	37.7	%		0.1		USDA27a	10/05/07 15:04 / jjm
Sodium Adsorption Ratio (SAR)	3.2	unitless		0.01		Calculation	10/05/07 15:04 / jjm
Bicarbonate, sat. paste	2.66	meq/L		0.02		ASA10-3	10/16/07 11:35 / jjm
SATURATED PASTE							
Calcium, sat. paste	7.69	meq/l		0.05		SW6010B	10/15/07 11:08 / skd
Magnesium, sat. paste	5.89	meq/l		0.08		SW6010B	10/15/07 11:08 / skd
Sodium, sat. paste	8.43	meq/l		0.04		SW6010B	10/15/07 11:08 / skd
Chloride, sat. paste	0.99	meq/L		0.03		SW6010B	10/15/07 11:08 / skd
PHYSICAL CHARACTERISTICS							
Sand	44	%		1		ASA15-5	10/05/07 15:04 / jjm
Silt	44	%		1		ASA15-5	10/05/07 15:04 / jjm
Clay	12	%		1		ASA15-5	10/05/07 15:04 / jjm
Texture	L	unitless				ASA15-5	10/05/07 15:04 / jjm
CHEMICAL CHARACTERISTICS							
Fluoride	ND	mg/kg		1.0		A4500-F C	10/28/07 00:00 / sld
Cation Exchange Capacity	19.5	meq/100g		0.09		SW6010B	10/16/07 13:20 / skd
Lime as CaCO3	5.8	%		0.1		USDA23c	10/04/07 00:00 / jjm
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	1.11	meq/100g		0.04		SW6010B	10/12/07 15:14 / skd
EXCHANGEABLES							
Exchangeable Sodium	0.8	meq/100g		0.1		Calculation	10/05/07 15:04 / jjm
Exchangeable Sodium Percentage	4.1	%		0.1		USDA20a	10/05/07 15:04 / jjm
METALS, WATER SOLUBLE							
Selenium	0.005	mg/kg		0.005		E270.3	10/20/07 11:06 / skd
METALS, CACL2 EXTRACTABLE							
Barium	0.23	mg/kg		0.20		SW6010B	10/10/07 10:42 / skd
Boron	ND	mg/kg		0.20		SW6010B	10/10/07 10:42 / skd

Report Definitions:
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LABORATORY ANALYTICAL REPORT

Client: HydroSolutions Inc
Project: TRIP - TierII (formerly referred to as AMPP)
Lab ID: H07090277-048
Client Sample ID: T2/BA-10-(60-96")

Report Date: 11/01/07
Collection Date: 09/20/07 17:00
DateReceived: 09/24/07
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SATURATED PASTE							
pH, sat. paste	8.0	s.u.		0.1		ASAM10-3.2	10/05/07 15:04 / jjm
Conductivity, sat. paste	1.14	mmhos/cm		0.01		ASAM10-3	10/05/07 15:04 / jjm
Saturation	25.8	%		0.1		USDA27a	10/05/07 15:04 / jjm
Sodium Adsorption Ratio (SAR)	3.0	unitless		0.01		Calculation	10/05/07 15:04 / jjm
Bicarbonate, sat. paste	3.00	meq/L		0.02		ASA10-3	10/16/07 11:35 / jjm
SATURATED PASTE							
Calcium, sat. paste	3.41	meq/l		0.05		SW6010B	10/15/07 11:11 / skd
Magnesium, sat. paste	2.38	meq/l		0.08		SW6010B	10/15/07 11:11 / skd
Sodium, sat. paste	5.03	meq/l		0.04		SW6010B	10/15/07 11:11 / skd
Chloride, sat. paste	0.99	meq/L		0.03		SW6010B	10/15/07 11:11 / skd
PHYSICAL CHARACTERISTICS							
Sand	80	%		1		ASA15-5	10/05/07 15:04 / jjm
Silt	17	%		1		ASA15-5	10/05/07 15:04 / jjm
Clay	3	%		1		ASA15-5	10/05/07 15:04 / jjm
Texture	LS	unitless				ASA15-5	10/05/07 15:04 / jjm
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	10.6	meq/100g		0.09		SW6010B	10/16/07 13:22 / skd
Lime as CaCO3	5.2	%		0.1		USDA23c	10/04/07 00:00 / jjm
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.61	meq/100g		0.04		SW6010B	10/12/07 15:17 / skd
EXCHANGEABLES							
Exchangeable Sodium	0.5	meq/100g		0.1		Calculation	10/05/07 15:04 / jjm
Exchangeable Sodium Percentage	4.5	%		0.1		USDA20a	10/05/07 15:04 / jjm

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LABORATORY ANALYTICAL REPORT

Client: HydroSolutions Inc
Project: TRIP - TierII (formerly referred to as AMPP)
Lab ID: H07090277-049
Client Sample ID: T2/BA-10-(0-2")

Report Date: 11/01/07
Collection Date: 09/20/07 17:00
DateReceived: 09/24/07
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SATURATED PASTE							
pH, sat. paste	7.6	s.u.		0.1		ASAM10-3.2	10/05/07 15:04 / jjm
Conductivity, sat. paste	1.78	mmhos/cm		0.01		ASAM10-3	10/05/07 15:04 / jjm
Saturation	45.8	%		0.1		USDA27a	10/05/07 15:04 / jjm
Sodium Adsorption Ratio (SAR)	2.7	unitless		0.01		Calculation	10/05/07 15:04 / jjm
Bicarbonate, sat. paste	6.79	meq/L		0.02		ASA10-3	10/16/07 11:35 / jjm
SATURATED PASTE							
Calcium, sat. paste	8.09	meq/l		0.05		SW6010B	10/15/07 11:13 / skd
Magnesium, sat. paste	4.71	meq/l		0.08		SW6010B	10/15/07 11:13 / skd
Sodium, sat. paste	6.92	meq/l		0.04		SW6010B	10/15/07 11:13 / skd
Chloride, sat. paste	1.29	meq/L		0.03		SW6010B	10/15/07 11:13 / skd
PHYSICAL CHARACTERISTICS							
Sand	23	%		1		ASA15-5	10/05/07 15:04 / jjm
Silt	55	%		1		ASA15-5	10/05/07 15:04 / jjm
Clay	22	%		1		ASA15-5	10/05/07 15:04 / jjm
Texture	SiL	unitless				ASA15-5	10/05/07 15:04 / jjm
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	28.7	meq/100g		0.09		SW6010B	10/16/07 13:25 / skd
Lime as CaCO3	5.3	%		0.1		USDA23c	10/04/07 00:00 / jjm
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.56	meq/100g		0.04		SW6010B	10/12/07 15:19 / skd
EXCHANGEABLES							
Exchangeable Sodium	0.2	meq/100g		0.1		Calculation	10/05/07 15:04 / jjm
Exchangeable Sodium Percentage	0.8	%		0.1		USDA20a	10/05/07 15:04 / jjm

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ND - Not detected at the reporting limit.