May 12, 2006

TESTING SERVICE CORPORATION

Corporate Office:
360 S. Main Place, Carol Stream, IL 60188-2404
630.462.2600 • Fax 630.653.2988

Mr. Frank Santella
CPI Environmental Services, Inc.
1123 Wheaton Oaks Court
Wheaton, IL 60187

Re: TSC Project L - 65,971
Laboratory Testing
Magnetrol

Dear Mr. Santella:

TSC has completed the laboratory testing requested on your Chain of Custody Record dated April 13, 2006 for the above referenced project. Four split spoon soil samples were received by TSC from CPI on April 13, 2006.

The tests performed are listed below:

- Permeability ASTM D 5084

The results are presented on the soil data summary table enclosed with this letter. Copies of the chain of custody and individual Test Data Sheets are also included. The results have been also transmitted by email.

TSC sincerely appreciates the opportunity to assist with this project. If you would like additional information or require further assistance, please contact us at (630) 462-2600.

Respectfully,
TESTING SERVICE CORPORATION

Dave Hurst
Section Manager
DH:ds

Enclosures: Chain of Custody
Soil Data Summary Table
Test Data Sheets (4)

TESTING SERVICE CORPORATION

Corporate Office:
360 S. Main Place, Carol Stream, IL 60188-2404
630.462.2600 • Fax 630.653.2988

Client: CPI Environmental Services, Inc.
1123 Wheaton Oaks Court
Wheaton, IL 60187

Project: Magnetrol
Project No:

Chain of Custody : April 13, 2006

Sample Identification:		Permeability cm/sec
HS1/MW1	7.5-8.0'	1.9E-08
HS1/MW1	29.5-30.0'	5.6E-09
HS2/MW2	13.5-14.0'	1.1E-08
HS3/MW3	18.0-18.5'	7.4E-09

Notes: Permeability - ASTM - D5084

TSC Project L- 65,971
12-May-06

TESTING SERVICE CORPORATION
TEST DATA SHEET
TRIAXIAL PERMEABILITY TEST

JOB NO. :	65971	DATE :	5-2-06
LOCATION :	HS-1		
DEPTH :	MW-1		
SAMPLE :	7.5'-8.0'		

SAMPLE DIMENSIONS

	HEIGHT (l):	3.98	
	DIAMETER	3.46	cm
	AREA (A):	16.40	cm.^2
	VOLUME :	65.27	cm.^3
PIPETTE -	AREA (a):	0.785	cm.

TEST PRESSURES

CELL :	41.0	p.s.i
INFLOW :	40.5	p.s.i
BACK :	39.5	p.s.i
GRADIENT :	17.7	
EFF. STRES	1.0	p.s.i.

TEST DATA

ELAPSED TIME MINUTES(t)	INFLOW READING	OUTFLOW READING (X)	(X-Y)	HEAD EQUIVALENT (h)	ln	K (CM/SEC)
	0.70	24.00	23.30	93.62	4.53924	
471.0	1.00	23.70	22.70	93.02	4.53281	2.17E-008
898.0	1.50	23.20	21.70	92.02	4.52201	1.91E-008
323.0	1.70	23.00	21.30	91.62	4.51765	2.14E-008
1165.0	2.40	22.40	20.00	90.32	4.50336	1.95E-008
466.0	2.60	22.20	19.60	89.92	4.49892	1.51E-008
981.0	3.10	21.60	18.50	88.82	4.48661	1.99E-008

HEAD EQUIVALENT :
[(INFLOW P.-OUTFLOW P.)*70.32]
70.3

K=[(a*l)/(2A*t)]*ln(x1/x2) (h1/h2)

K avg = 1.9E-008 cm/sec

TESTING SERVICE CORPORATION
TEST DATA SHEET
TRIAXIAL PERMEABILITY TEST

JOB NO. :	65971	DATE :	4-25-06
LOCATION :	HS-1		
DEPTH :	MW-1		
SAMPLE :	29.5-30		

SAMPLE DIMENSIONS

	HEIGHT (l):	3.84	
	DIAMETER	3.42	cm
	AREA (A):	16.40	cm.^2
	VOLUME :	62.98	cm.^3
PIPETTE -	AREA (a):	0.785	cm.

TEST PRESSURES

CELL :	36.0	p.s.i
INFLOW :	35.5	p.s.i
BACK :	34.5	p.s.i
GRADIENT :	18.3	
EFF. STRES	1.0	p.s.i.

TEST DATA

ELAPSED TIME MINUTES(t)	INFLOW READING	OUTFLOW READING (X)	(X-Y)	HEAD EQUIVALENT (h)	ln	K (CM/SEC)
	0.50	24.50	24.00	94.32	4.54669	
484.0	0.60	24.40	23.80	94.12	4.54457	6.72E-009
940.0	0.70	24.20	23.50	93.82	4.54138	5.20E-009
475.0	0.80	24.10	23.30	93.62	4.53924	6.88E-009
1454.0	1.00	23.90	22.90	93.22	4.53496	4.51E-009
1407.0	1.20	23.70	22.50	92.82	4.53066	4.68E-009

HEAD EQUIVALENT :
[(INFLOW P.-OUTFLOW P.)*70.32]
70.3

K=[(a*l)/(2A*t)]*ln(x1/x2) (h1/h2)

K avg = 5.6E-009 cm/sec

TESTING SERVICE CORPORATION
TEST DATA SHEET
TRIAXIAL PERMEABILITY TEST

JOB NO. :	65971	DATE :	4-27-06
LOCATION :	HS-2		
DEPTH :	MW-2		
SAMPLE :	13.5-14		

SAMPLE DIMENSIONS

	HEIGHT (l):	4.01	
	DIAMETER	3.42	cm
	AREA (A):	16.40	cm.^2
	VOLUME :	65.76	cm.^3
PIPETTE -	AREA (a):	0.785	cm.

TEST PRESSURES

CELL :	38.0	p.s.i
INFLOW :	37.5	p.s.i
BACK :	36.5	p.s.i
GRADIENT :	17.5	
EFF. STRES	1.0	p.s.i.

TEST DATA

ELAPSED TIME MINUTES(t)	INFLOW READING	OUTFLOW READING (X)	(X-Y)	HEAD EQUIVALENT (h)	ln	K (CM/SEC)
	0.30	24.20	23.90	94.22	4.54563	
1408.0	0.80	23.70	22.90	93.22	4.53496	1.21E-008
461.0	1.00	23.60	22.60	92.92	4.53174	1.12E-008
919.0	1.20	23.30	22.10	92.42	4.52634	9.39E-009
2945.0	2.10	22.30	20.20	90.52	4.50557	1.13E-008
1435.0	2.50	21.80	19.30	89.62	4.49558	1.11E-008

HEAD EQUIVALENT :
[(INFLOW P.-OUTFLOW P.)*70.32]
70.3

K=[(a*l)/(2A*t)]*ln(x1/x2) (h1/h2)

K avg = 1.1E-008 cm/sec

TESTING SERVICE CORPORATION
TEST DATA SHEET
TRIAXIAL PERMEABILITY TEST

JOB NO. :	65971	DATE :	5-5-06
LOCATION :	HS-3		
DEPTH :	MW-3		
SAMPLE :	18-18.5'		

SAMPLE DIMENSIONS

	HEIGHT (l):	3.97	
	DIAMETER:	3.51	cm
	AREA (A):	16.40	cm.^2
	VOLUME :	65.11	cm.^3
PIPETTE -	AREA (a):	0.785	cm.

TEST PRESSURES

CELL :	44.0	p.s.i
INFLOW :	43.5	p.s.i
BACK :	42.5	p.s.i
GRADIENT :	17.7	
EFF. STRES:	1.0	p.s.i.

TEST DATA

ELAPSED TIME MINUTES(t)	INFLOW READING	OUTFLOW READING (X)	(X-Y)	HEAD EQUIVALENT (h)	ln	K (CM/SEC)
	0.10	23.20	23.10	93.42	4.53711	
455.0	0.20	23.10	22.90	93.22	4.53496	7.46E-009
869.0	0.40	22.90	22.50	92.82	4.53066	7.84E-009
2995.0	1.10	22.30	21.20	91.52	4.51656	7.46E-009
482.0	1.20	22.20	21.00	91.32	4.51437	7.19E-009
958.0	1.40	22.00	20.60	90.92	4.50998	7.26E-009
488.0	1.50	21.90	20.40	90.72	4.50778	7.15E-009
957.0	1.70	21.70	20.00	90.32	4.50336	7.31E-009
477.0	1.80	21.60	19.80	90.12	4.50114	7.36E-009

HEAD EQUIVALENT :
[(INFLOW P.-OUTFLOW P.)*70.32]
70.3

K=[(a*l)/(2A*t)]*ln(x1/x2) (h1/h2)

K avg = 7.4E-009 cm/sec

CPI ENVIRONMENTAL SERVICES, INC.

Chain of Custody Record

~~ROOSEVELT GLEN CORPORATE CENTER~~
~~BUILDING 6, SUITE 110~~
~~799 ROOSEVELT ROAD~~
~~GLEN ELLYN, IL 60137~~
1125 WHEATON OAKS CT.
WHEATON, IL 60187
PHONE: 630 407 0800
FAX: 630 407 0999

Project Name:	Project No.:	Location:	Laboratory conducting analysis:
MAGNETROL	E05-	DOWNERS GROVE, IL	TESTING SERVICE CORP
Sampled by:	**Contact Person:**		**Turnaround Time:**
F. SANTELLA	FRANK SANTELLA		STANDARD

Analysis Requested

Sample ID No.	Date	Time	No. of containers	Matrix	Preserved (Y/N)	PAHs/ARCLEY CRITERIA DF-1289										Comments
HS1/MW1 7.5-8.0'	04/12/06	1000	1	SOIL	N	X										
HS1/MW1 29.5-30.0'	04/12/06	1125	1	SOIL	N	X										
HS2/MW2 13.5-14.0'	04/12/06	1615	1	SOIL	N	X										
HS3/MW3 18.0-18.5'	04/12/06	1845	1	SOIL	N	X										

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
Frank Santella	04/12/06	Michael D. Billings			
(Printed)	Time:	(Printed)	(Printed)	Time:	(Printed)
Frank Santella	9:00	Michael D. Billings			

Relinquished by: (Signature)	Date:	Received for laboratory by: (Signature)	Date:	Remarks:
				Report results to ph: 630/469-6340 -- fax: 630/469-6470
(Printed)	Time:	(Printed)	Time:	