September 16, 2004
Wet Weather Event

CHAIN OF CUSTODY RECORD

PROJ. NO	PROJECT NAME
200406.00	Lawson-Fisher

SAMPLERS: (Print Name & Sign)
Christopher J. Jeter

FIELD ID	DATE	TIME	COMP	GRAB	STATION LOCATION	Total No. of Containers	E. coli	TSS, NO3, Surfactant	TKN, T. Phos, Diss. Phos, NH3					Sample Type	Lab Order ID: TAT	Lab Order ID: Lab Number
01	9/16			X		3	1	1	1							
02	↓			↓		3	1	1	1							
03						3	1	1	1							
04						3	1	1	1							
05						3	1	1	1							
06						3	1	1	1							
Dup						3	1	1	1							
FW	↓			↓	Fresh water	3	1	1	1							

Relinquished By: (Signature)	Date	Time	Received By: (Signature)	EIS QUOTE NO:
[signature]	9/16/01	10:37	[signature]	
Relinquished By: (Signature)	Date	Time	Received By: (Signature)	Ship To:
Relinquished By: (Signature)	Date	Time	Received By: (Signature)	

NOTES: 1) **If you were issued a quote number, it must appear on this document.**
2) **Instructions & area for comments are on reverse side.**

EIS ANALYTICAL SERVICES, INC. • 1701 NORTH IRONWOOD DRIVE SUITE B • SOUTH BEND IN 46635 • Phone (574)277-0707 • Fax (574)273-5699

COMPLETE FORM WITH PERMANENT INK ONLY

Lawson-Fisher Associates P.C.
525 West Washington Avenue
South Bend, Indiana 46601
Ph. 574-234-3167
FAX 574-236-1330

WATER QUALITY ACQUISITION DATA SHEET

Project: Elkhart County 205(j) Grant; Puterbaugh Creek – Heaton Lake

Job Number: 200406

Date: 9/16/ 200

Time: 0830 hrs. MI (0730)

Crew: CJJ, RME

Weather: Sunny

Ambient Temp.: 70°F

STREAM INFORMATION

Watershed ID: HUC #04050001150040

Stream/Lake Name: Rhinehart Lateral

Site Location: #01 upstream

Width (ft.): 7.7'

Depth (ft.): DTW = DTB = Water Depth = 0.9'

GPS ID No.:

Location Sketch

C.R. _____ Facing _____

SAMPLE INFORMATION

pH: 8.4

Temp (°C): 18.6°

Cond. (µS):

TDS (ppm):

Color: light brown

D.O. (m): 4.7 (mg/L) 50.6 (%)

Sample Type: Kemmerer (Grab)

Sample Number(s): 01- 9/16/04

Bottle Numbers:

Comments:

Chain of Custody:

Relinquished By:	Date	Time	Received By:	Date	Time
Signature			Signature		
Printed			Printed		
Relinquished By:	Date	Time	Received By:	Date	Time
Signature			Signature		
Printed			Printed		

Rev. 4/1/04

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WATER QUALITY ACQUISITION DATA SHEET

Project: Elkhart County 205(j) Grant
Puterbaugh Creek – Heaton Lake

Job Number: 200406

Date: 9/16/ 200
Time: 0800 hrs.

Crew: CJJ, RME

Weather: Sunny

Ambient Temp.: 70°F

STREAM INFORMATION

Watershed ID: HUC #04050001150040

Stream/Lake Name: Kirdig/ Kellog

Site Location: #02

Width (ft.): 21'

Depth (ft.): DTW = DTB = Water Depth = 1.5'

GPS ID No.:

Location Sketch
C.R. _____ Facing _____

SAMPLE INFORMATION

pH: 7.6

Temp (°C): 19.2

Cond. (µS):

TDS (ppm):

Color: light brown

D.O. (m): 0.26 (mg/L) 2.8 (%)

Sample Type: Kemmerer (Grab)

Sample Number(s): 02-9/16/04

Bottle Numbers:

Comments:

Chain of Custody:

Relinquished By:	Date	Time	Received By:	Date	Time
Signature			Signature		
Printed			Printed		
Relinquished By:	Date	Time	Received By:	Date	Time
Signature			Signature		
Printed			Printed		

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WATER QUALITY ACQUISITION DATA SHEET

Project: Elkhart County 205(j) Grant
Puterbaugh Creek – Heaton Lake

Job Number: 200406

Date: 9/16/ 200
Time: 0835 hrs.

Crew: CJJ, RME

Weather: Sunny

Ambient Temp.: 70°F

STREAM INFORMATION

Watershed ID: HUC #0405000115 0040

Stream/Lake Name: Maker Ditch

Site Location: #03

Width (ft.): 15.5'

Depth (ft.) DTW = DTB = Water Depth = 1.3'

GPS ID No.

Location Sketch
C.R. _____ Facing _____

SAMPLE INFORMATION

pH: 8.4

Temp (°C): 23.4°

Cond. (µS):

TDS (ppm):

Color: Clear

D.O. (m): 8.3 (mg/L) 97.2 (%)

Sample Type: Kemmerer (Grab)

Sample Number(s): 03-9/16/04

Bottle Numbers:

Comments:

Chain of Custody:

Relinquished By:	Date	Time	Received By:	Date	Time
Signature			Signature		
Printed			Printed		
Relinquished By:	Date	Time	Received By:	Date	Time
Signature			Signature		
Printed			Printed		

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WATER QUALITY ACQUISITION DATA SHEET

Project: Elkhart County 205(j) Grant
Puterbaugh Creek – Heaton Lake

Job Number: 200406

Date: 9/16/ 200
Time: 0815 hrs.

Crew: CJJ, RME

Weather: SUNNY

Ambient Temp.: 70°F

STREAM INFORMATION

Watershed ID: HUC#04050001150040

Stream/Lake Name: Bishop Ditch

Site Location: #04

Width (ft.): 12.5'

Depth (ft.): DTW = DTB = Water Depth = 1.6'

GPS ID No.:

Location Sketch
C.R. _____ Facing _____

SAMPLE INFORMATION

pH: 7.8

Temp (°C): 18.1

Cond. (µS):

TDS (ppm):

Color: light green

D.O. (m): 1.92 (mg/L) 16.6 (%)

Sample Type: Kemmerer (Grab)

Sample Number(s): 04-9/16/04

Bottle Numbers:

Comments:

Chain of Custody:

Relinquished By:	Date	Time	Received By:	Date	Time
Signature			Signature		
Printed			Printed		
Relinquished By:	Date	Time	Received By:	Date	Time
Signature			Signature		
Printed			Printed		

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WATER QUALITY ACQUISITION DATA SHEET

Project: Elkhart County 205(j) Grant
Puterbaugh Creek – Heaton Lake

Job Number: 200406

Date: 9/16/2004
Time: 0855 hrs.

Crew: CJJ, RME

Weather: Sunny

Ambient Temp.: 70°F

STREAM INFORMATION

Watershed ID: HUC #040500011500 40

Stream/Lake Name: Jacob Myers Ditch

Site Location: #05

Width (ft.): 24'

Depth (ft.): DTW = DTB = Water Depth = 1.2'

GPS ID No.:

Location Sketch
C.R. _____ Facing _____

SAMPLE INFORMATION

pH: 8.0

Temp (°C): 17.6

Cond. (µS):

TDS (ppm):

Color: clear - light green

D.O. (m): 6.48 (mg/L) 67.5 (%)

Sample Type: Kemmerer (Grab)

Sample Number(s): 05 - 9/16/04

Bottle Numbers:

Comments:

Chain of Custody:

Relinquished By:	Date	Time	Received By:	Date	Time
Signature			Signature		
Printed			Printed		
Relinquished By:	Date	Time	Received By:	Date	Time
Signature			Signature		
Printed			Printed		

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WATER QUALITY ACQUISITION DATA SHEET

Project: Elkhart County 205(j) Grant
Puterbaugh Creek – Heaton Lake

Date: 9/16/2004
Time: 0910 hrs.

Job Number: 200406

Crew: CJJ, RME

Weather: sunny

Ambient Temp.: 70°F

STREAM INFORMATION

Watershed ID: HUC #04050001150040

Stream/Lake Name: Puterbaugh Creek

Site Location: #06

Width (ft.): 19'

Depth (ft.) DTW = DTB = Water Depth = 0.9'

GPS ID No.

Location Sketch
C.R. _____ Facing _____

SAMPLE INFORMATION

pH: 8.1

Temp (°C): 17.1

Cond. (µS):

TDS (ppm):

Color: clear - light green

D.O. (m): 6.98 (mg/L) 72.8 (%)

Sample Type: Kemmerer (Grab)

Sample Number(s): 06-9/16/04

Bottle Numbers:

Comments:

Chain of Custody:

Relinquished By:	Date	Time	Received By:	Date	Time
Signature			Signature		
Printed			Printed		
Relinquished By:	Date	Time	Received By:	Date	Time
Signature			Signature		
Printed			Printed		

INVENTORY CHECKLIST

Elkhart County – 205(j) Grant
Puterbaugh Creek – Heaton Lake Watershed Management Plan
Water Quality Monitoring Program

	Item	Item is still in Possession (Y/N)	Functioning Properly? (Y/N)
1.	D.O. Meter	Y	
2.	Hanna MultiMeter	Y	
3.	Calibration Records/Forms		
4.	Custody/Sampling Forms	Y	
5.	Meter Tape	Y	
6.	Water Level Indicator	Y	
7.	Kemmerer Sampler		
8.	EIS Sampling Bottles	Y	
9.	Sample Labels, etc.		
10.	Rubber Bands		
11.	DI Water (2 Gal.) drinking H_2O	Y	
12.	Ice Chest/Ice	Y	
13.	Cellular Phone	Y	
14.	Rubber Gloves	Y	
15.	Paper Towels/Cloth Towels	Y	
16.	Life Jackets (if in boat)		
17.	Clip Board		
18.	Pens/Pencils (Sharpies)	Y	
19.	9 AA Size Batteries		
20.	First Aid Kit		
21.	LFA Safety Program		
22.	Elkhart County 205(j) QAPP	Y	
23.	Elkhart County Road Map		
24.	Puterbaugh Creek – Heaton Lake Watershed Map	Y	
25.	Sampling Site Pics/Descriptions	Y	
26.	Safety Glasses		

Comments: _____

Date of Inventory: 9-16-04

Signature: _____

REPORT OF ANALYSIS

Christopher J. Jeter, P.E.
Lawson-Fisher Associates
525 West Washington Street
South Bend, IN 46601
Tel No: 234-3167
Fax No: 236-1330
PO No:
Project Name: ECC-205 (j)

Report Date:	10/13/04
EIS Order No:	**040900179**
EIS Sample No:	099053
EIS Project No:	1091-1001-04
Client Sample ID:	**01**
Date Collected:	9/16/04
Date Received:	9/16/04
Collected By:	Client

This report presents results of analysis for your sample(s) received under our Order No above. This Number is to be used in all inquiries concerning this report. The EIS Sample No above, as well as your Sample ID, refer to the first sample in a multi-sample submission

DEFINITIONS:

MDL = Method Detection Limit normally achieved in the absence of interferences or other matrix difficulties.
RDL = Reporting Detection Limit achieved in your sample. If numerically greater than the MDL, dilutions were required in order to perform the analysis. If numerically less than the MDL, alternate techniques were employed.
nd = Not Detected at the RDL value. If present, result is less than this value.
< = Not Detected at the numerical value shown. If present, result is less than this value.
( ) = Result is estimated due to matrix interferences.

CHAIN-OF-CUSTODY is enclosed if received with your sample submission.

DRINKING WATER CERTIFICATIONS: Chemistry = C-71-02 Bacteriology = M-76-5

QUALITY ASSURANCE OFFICER

LABORATORY DIRECTOR

The data in this report has been reviewed and complies with EIS Quality Control unless specifically addressed above.

SAMPLE RESULTS

CLIENT SAMPLE ID: 01
CLIENT PROJECT: ECC-205 (j)
SAMPLE TYPE: Water(Non DW)
Date Sampled: 9/16/04

Report Date: 10/13/04
EIS Sample No: 099053
EIS Order No: 040900179
Date Received: 9/16/04

Parameter	Results	Units	RDL	MDL	Test Date	Analyst ID	Method
Coliform,E.Coli	21400	col/100ml	1	1	9/16/04	E25	ColiscanMF
Nitrogen(Kjeldahl)Total	2.4	mg/L	0.1	0.1	9/21/04	E03	4500-N B
Nitrogen(Ammonia)	<0.05	mg/L	0.05	0.05	9/21/04	E03	4500-NH3
Nitrogen(Nitrate)	0.39	mg/L	0.1	0.1	9/17/04	E03	4500-NO3
Phosphorus,ortho	0.12	mg/L	0.05	0.05	9/17/04	E03	4500-P F
Phosphorus,Total	0.46	mg/L	0.05	0.05	9/21/04	E03	4500-P F
Solids,Total Dissolved	300	mg/L	4	2	9/17/04	E21	2540 C
Solids,Total Suspended	24	mg/L	1	1	9/20/04	E21	2540 D
Specific Conductance	430	umhos/cm	1	1	9/22/04	E25	2510 B
Surfactants (MBAS)	0.13	mg/L	0.1	0.1	9/17/04	E21	5540 C

SAMPLE RESULTS

CLIENT SAMPLE ID: 02
CLIENT PROJECT: ECC-205 (j)
SAMPLE TYPE: Water(Non DW)
Date Sampled: 9/16/04

Report Date: 10/13/04
EIS Sample No: 099054
EIS Order No: 040900179
Date Received: 9/16/04

Parameter	Results	Units	RDL	MDL	Test Date	Analyst ID	Method
Coliform,E.Coli	1540	col/100ml	1	1	9/16/04	E25	ColiscanMF
Nitrogen(Kjeldahl)Total	4.4	mg/L	0.1	0.1	9/21/04	E03	4500-N B
Nitrogen(Ammonia)	<0.05	mg/L	0.05	0.05	9/21/04	E03	4500-NH3
Nitrogen(Nitrate)	<0.1	mg/L	0.1	0.1	9/17/04	E03	4500-NO3
Phosphorus,ortho	0.067	mg/L	0.05	0.05	9/17/04	E03	4500-P F
Phosphorus,Total	0.45	mg/L	0.05	0.05	9/21/04	E03	4500-P F
Solids,Total Dissolved	320	mg/L	4	2	9/17/04	E21	2540 C
Solids,Total Suspended	29	mg/L	1	1	9/20/04	E21	2540 D
Specific Conductance	420	umhos/cm	1	1	9/22/04	E25	2510 B
Surfactants (MBAS)	0.27	mg/L	0.1	0.1	9/17/04	E21	5540 C

SAMPLE RESULTS

CLIENT SAMPLE ID: 03
CLIENT PROJECT: ECC-205 (j)
SAMPLE TYPE: Water(Non DW)
Date Sampled: 9/16/04

Report Date: 10/13/04
EIS Sample No: 099055
EIS Order No: 040900179
Date Received: 9/16/04

Parameter	Results	Units	RDL	MDL	Test Date	Analyst ID	Method
Coliform,E.Coli	68	col/100ml	1	1	9/16/04	E25	ColiscanMF
Nitrogen(Kjeldahl)Total	0.34	mg/L	0.1	0.1	9/21/04	E03	4500-N B
Nitrogen(Ammonia)	<0.05	mg/L	0.05	0.05	9/21/04	E03	4500-NH3
Nitrogen(Nitrate)	<0.1	mg/L	0.1	0.1	9/17/04	E03	4500-NO3
Phosphorus,ortho	0.054	mg/L	0.05	0.05	9/17/04	E03	4500-P F
Phosphorus,Total	0.16	mg/L	0.05	0.05	9/21/04	E03	4500-P F
Solids,Total Dissolved	280	mg/L	4	2	9/20/04	E21	2540 C
Solids,Total Suspended	1	mg/L	1	1	9/20/04	E21	2540 D
Specific Conductance	420	umhos/cm	1	1	9/22/04	E25	2510 B
Surfactants (MBAS)	<0.1	mg/L	0.1	0.1	9/17/04	E21	5540 C

SAMPLE RESULTS

CLIENT SAMPLE ID: 04
CLIENT PROJECT: ECC-205 (j)
SAMPLE TYPE: Water(Non DW)
Date Sampled: 9/16/04

Report Date: 10/13/04
EIS Sample No: 099056
EIS Order No: 040900179
Date Received: 9/16/04

Parameter	Results	Units	RDL	MDL	Test Date	Analyst ID	Method
Coliform,E.Coli	450	col/100ml	1	1	9/16/04	E25	ColiscanMF
Nitrogen(Kjeldahl)Total	0.71	mg/L	0.1	0.1	9/21/04	E03	4500-N B
Nitrogen(Ammonia)	<0.05	mg/L	0.05	0.05	9/21/04	E03	4500-NH3
Nitrogen(Nitrate)	<0.1	mg/L	0.1	0.1	9/17/04	E03	4500-NO3
Phosphorus,ortho	0.13	mg/L	0.05	0.05	9/17/04	E03	4500-P F
Phosphorus,Total	0.24	mg/L	0.05	0.05	9/21/04	E03	4500-P F
Solids,Total Dissolved	330	mg/L	4	2	9/20/04	E21	2540 C
Solids,Total Suspended	4	mg/L	1	1	9/20/04	E21	2540 D
Specific Conductance	500	umhos/cm	1	1	9/22/04	E25	2510 B
Surfactants (MBAS)	<0.1	mg/L	0.1	0.1	9/17/04	E21	5540 C

SAMPLE RESULTS

CLIENT SAMPLE ID: 05
CLIENT PROJECT: ECC-205 (j)
SAMPLE TYPE: Water(Non DW)
Date Sampled: 9/16/04

Report Date: 10/13/04
EIS Sample No: 099057
EIS Order No: 040900179
Date Received: 9/16/04

Parameter	Results	Units	RDL	MDL	Test Date	Analyst ID	Method
Coliform,E.Coli	1100	col/100ml	1	1	9/16/04	E25	ColiscanMF
Nitrogen(Kjeldahl)Total	<0.1	mg/L	0.1	0.1	9/21/04	E03	4500-N B
Nitrogen(Ammonia)	<0.05	mg/L	0.05	0.05	9/21/04	E03	4500-NH3
Nitrogen(Nitrate)	0.13	mg/L	0.1	0.1	9/17/04	E03	4500-NO3
Phosphorus,ortho	0.055	mg/L	0.05	0.05	9/17/04	E03	4500-P F
Phosphorus,Total	0.20	mg/L	0.05	0.05	9/21/04	E03	4500-P F
Solids,Total Dissolved	310	mg/L	4	2	9/20/04	E21	2540 C
Solids,Total Suspended	<1	mg/L	1	1	9/20/04	E21	2540 D
Specific Conductance	500	umhos/cm	1	1	9/22/04	E25	2510 B
Surfactants (MBAS)	<0.1	mg/L	0.1	0.1	9/17/04	E21	5540 C

SAMPLE RESULTS

CLIENT SAMPLE ID: 06
CLIENT PROJECT: ECC-205 (j)
SAMPLE TYPE: Water(Non DW)
Date Sampled: 9/16/04

Report Date: 10/13/04
EIS Sample No: 099058
EIS Order No: 040900179
Date Received: 9/16/04

Parameter	Results	Units	RDL	MDL	Test Date	Analyst ID	Method
Coliform,E.Coli	3600	col/100ml	1	1	9/16/04	E25	ColiscanMF
Nitrogen(Kjeldahl)Total	0.52	mg/L	0.1	0.1	9/21/04	E03	4500-N B
Nitrogen(Ammonia)	<0.05	mg/L	0.05	0.05	9/21/04	E03	4500-NH3
Nitrogen(Nitrate)	0.18	mg/L	0.1	0.1	9/17/04	E03	4500-NO3
Phosphorus,ortho	0.054	mg/L	0.05	0.05	9/17/04	E03	4500-P F
Phosphorus,Total	0.22	mg/L	0.05	0.05	9/21/04	E03	4500-P F
Solids,Total Dissolved	300	mg/L	4	2	9/20/04	E21	2540 C
Solids,Total Suspended	3	mg/L	1	1	9/20/04	E21	2540 D
Specific Conductance	510	umhos/cm	1	1	9/22/04	E25	2510 B
Surfactants (MBAS)	<0.1	mg/L	0.1	0.1	9/17/04	E21	5540 C

SAMPLE RESULTS

CLIENT SAMPLE ID: Duplicate
CLIENT PROJECT: ECC-205 (j)
SAMPLE TYPE: Water(Non DW)
Date Sampled: 9/16/04

Report Date: 10/13/04
EIS Sample No: 099059
EIS Order No: 040900179
Date Received: 9/16/04

Parameter	Results	Units	RDL	MDL	Test Date	Analyst ID	Method
Coliform,E.Coli	500	col/100ml	1	1	9/16/04	E25	ColiscanMF
Nitrogen(Kjeldahl)Total	0.76	mg/L	0.1	0.1	9/21/04	E03	4500-N B
Nitrogen(Ammonia)	<0.05	mg/L	0.05	0.05	9/21/04	E03	4500-NH3
Nitrogen(Nitrate)	<0.1	mg/L	0.1	0.1	9/17/04	E03	4500-NO3
Phosphorus,ortho	0.13	mg/L	0.05	0.05	9/17/04	E03	4500-P F
Phosphorus,Total	0.23	mg/L	0.05	0.05	9/21/04	E03	4500-P F
Solids,Total Dissolved	300	mg/L	4	2	9/20/04	E21	2540 C
Solids,Total Suspended	2	mg/L	1	1	9/20/04	E21	2540 D
Specific Conductance	480	umhos/cm	1	1	9/22/04	E25	2510 B
Surfactants (MBAS)	<0.1	mg/L	0.1	0.1	9/17/04	E21	5540 C

SAMPLE RESULTS

CLIENT SAMPLE ID: Field Blank
CLIENT PROJECT: ECC-205 (j)
SAMPLE TYPE: Water(Non DW)
Date Sampled: 9/16/04

Report Date: 10/13/04
EIS Sample No: 099060
EIS Order No: 040900179
Date Received: 9/16/04

Parameter	Results	Units	RDL	MDL	Test Date	Analyst ID	Method
Coliform,E.Coli	<1	col/100ml	1	1	9/16/04	E25	ColiscanMF
Nitrogen(Kjeldahl)Total	<0.1	mg/L	0.1	0.1	9/21/04	E03	4500-N B
Nitrogen(Ammonia)	<0.05	mg/L	0.05	0.05	9/21/04	E03	4500-NH3
Nitrogen(Nitrate)	<0.1	mg/L	0.1	0.1	9/17/04	E03	4500-NO3
Phosphorus,ortho	<0.05	mg/L	0.05	0.05	9/17/04	E03	4500-P F
Phosphorus,Total	<0.05	mg/L	0.05	0.05	9/21/04	E03	4500-P F
Solids,Total Dissolved	<2	mg/L	4	2	9/20/04	E21	2540 C
Solids,Total Suspended	<1	mg/L	1	1	9/20/04	E21	2540 D
Specific Conductance	7.9	umhos/cm	1	1	9/22/04	E25	2510 B
Surfactants (MBAS)	<0.1	mg/L	0.1	0.1	9/17/04	E21	5540 C

QUALITY CONTROL DATA

LABORATORY FORTIFIED METHOD BLANK (LFB)

Matrix: Water

Test: Inorganics

Run Date:

EIS Lab #s With This LFB

99053-99060

Comments Concerning This LFB:

Parameter	Spike Amount	Matrix Spike		Duplicate Spike		RPD	Quality Control Limits RPD		Quality Control Limits % R		QC Batch
		Result	% R	Result	% R		LCL	UCL	LCL	UCL	
Nitrogen(Ammonia)	4.4	3.733	85	4.313	98	14	0	20	80	120	QB03834
Nitrogen(Kjeldahl)Total	2.4	2.348	98	2.141	89	9	0	20	80	120	QB03834
Nitrogen(Nitrate)	7.1	7.163	101	7.169	101	0	0	20	80	120	QB03834
Phosphorus,ortho	0.82	0.755	92	0.741	90	2	0	20	80	120	QB03834
Phosphorus,Total	4.84	4.204	87	4.158	86	1	0	20	80	120	QB03834

LEGEND:

1. The LFB may be either a single spike or in dulicate and may or may not be in a QC Batch with a MS/DMS.
2. % R = Percent Recovery of Spike
3. RPD = Relative Percent Difference of the spike recoveries
4. LCL = Lower Control Limit
5. UCL = Upper Control Limit
6. Units are normally those shown in the Analysis Report and are always the same for the Spike and Duplicate Spike

QUALITY CONTROL DATA

METHOD BLANK RESULTS

Test: Inorganics

Matrix: Water

EIS Lab Numbers: 99053-99060

Comments :

Parameter	Result	Units	Date Analyzed	QC Batch	Detection Limit
Nitrogen(Ammonia)	<0.05	mg/L	9/21/04	QB03834	0.05
Nitrogen(Kjeldahl)Total	<0.1	mg/L	9/21/04	QB03834	0.1
Nitrogen(Nitrate)	<0.1	mg/L	9/17/04	QB03834	0.1
Phosphorus,ortho	<0.05	mg/L	9/17/04	QB03834	0.05
Phosphorus,Total	<0.05	mg/L	9/21/04	QB03834	0.05
Solids,Total Dissolved	10	mg/L	9/20/04	QB03849	2

QUALITY CONTROL DATA

MATRIX SPIKE / DUPLICATE MATRIX SPIKE (MS/DMS)

EIS Order: 040900179
QC Sample: 099059
Matrix: Water
Test: Inorganics

EIS Lab #s in This Batch: 99053-99060

Comments Concerning This QC Batch:

Parameter	Back-ground	Spike Amount	Matrix Spike		Duplicate Spike		RPD	Quality Control Limits				QC Batch
								RPD		% R		
			Result	% R	Result	% R		LCL	UCL	LCL	UCL	
Nitrogen(Ammonia)	<0.05	10	9.412	94	9.402	94	0	0	20	75	125	QB03834
Nitrogen(Kjeldahl)Total	0.76	5	6.453	114	6.466	114	0	0	20	75	125	QB03834
Nitrogen(Nitrate)	<0.1	5	4.856	97	4.956	99	2	0	20	75	125	QB03834
Phosphorus,ortho	0.13	2	2.065	97	2.064	97	0	0	20	75	125	QB03834
Phosphorus,Total	0.23	2	1.984	88	2.091	93	6	0	20	75	125	QB03834

LEGEND:

1. Background = Sample Result
2. Spike amount may be adjusted for dilution used in sample analysis
3. % R = Percent Recovery of Spike
4. RPD = Relative Percent Difference of the spike recoveries
5. LCL = Lower Control Limit
6. UCL = Upper Control Limit
7. Units are normally those shown in the Analysis Report and are always the same for the Background and Spike

QUALITY CONTROL DATA

REPLICATE ANALYSIS - SEPARATE DIGESTIONS / EXTRACTIONS

EIS Order: 040900179

QC Sample: 099059

Matrix: Water

Comments Concerning This Analysis:

Parameter	Units	Original Analysis	Replicate Analysis	RPD	Advisory QC Limits	QC Batch
Coliform,E.Coli	col/100ml	500			0 - 20	QB03834
Nitrogen(Ammonia)	mg/L	<0.05	<0.05	0.0	0 - 20	QB03834
Nitrogen(Kjeldahl)Total	mg/L	0.76	0.65	15.6	0 - 20	QB03834
Nitrogen(Nitrate)	mg/L	<0.1	<0.1	0.0	0 - 20	QB03834
Phosphorus,ortho	mg/L	0.13	0.12	8.0	0 - 20	QB03834
Phosphorus,Total	mg/L	0.23	0.24	4.3	0 - 20	QB03834
Solids,Total Suspended	mg/L	2	2	0.0	0 - 20	QB03834
Surfactants (MBAS)	mg/L	<0.1	<0.1	0.0	0 - 20	QB03834
Solids,Total Dissolved	mg/L	300	304	1.3	0 - 20	QB03849

LEGEND:

1. RPD = Relative Percent Difference
2. Advisory QC Limits may not be applicable when results are close to the Sample Detection Limits.

CHAIN OF CUSTODY RECORD

PROJ. NO	PROJECT NAME
200406.00	Lawson-Fisher 205j

SAMPLERS: (Print Name & Sign) Christopher J. Jeter

Lab Order ID: 0409.179

FIELD ID	DATE	TIME	COMP	GRAB	STATION LOCATION	Total No. of Containers	E.coli	TSS, NO3, Surfactant	TKN, T.Phos, Ortho, NH3					Sample Type	TAT	Lab Number
01	9/16			X		3	1	1	1							99053
02						3	1	1	1							99054
03						3	1	1	1							99055
04						3	1	1	1							99056
05						3	1	1	1							99057
06						3	1	1	1							99058
Dup						3	1	1	1							99059
FW					Fresh water	3	1	1	1							99060

Relinquished By: (Signature)	Date	Time	Received By: (Signature)	EIS QUOTE NO:
[signature]	9-16-04	10:37	[signature]	
Relinquished By: (Signature)	Date	Time	Received By: (Signature)	Ship To:
Relinquished By: (Signature)	Date	Time	Received By: (Signature)	

NOTES: 1) **If you were issued a quote number, it must appear on this document.**
2) **Instructions & area for comments are on reverse side.**

EIS ANALYTICAL SERVICES, INC. • 1701 NORTH IRONWOOD DRIVE SUITE B • SOUTH BEND IN 46635 • Phone (574)277-0707 • Fax (574)273-5699

Form: Chain-of-Custody (6-12-97)