APPENDIX B

Field Logs

Semiannual Groundwater Monitoring
and
Annual Sediment Sampling
and
Quarterly Inspections

2008

CHARLES GIBSON SITE

(PINE AND TUSCARORA SITE)

NIAGARA FALLS, NEW YORK

NYSDEC Registry No. 9-32-063

CHARLES GIBSON SITE
NIAGARA FALLS, NEW YORK
NYSDEC REGISTRY NO. 9-32-063
SITE INSPECTION FORM

THIS FORM TO BE USED FOR QUARTERLY AND ALL OTHER SITE INSPECTIONS

DATE: 2/12/2008 TIME: 800

INSPECTOR: Walker COMPANY: Sevenson

WEATHER:

REASON FOR INSPECTION (QUARTERLY OR OTHER): Drive by inspection, noticed damage

GENERAL SITE CONDITIONS: U=UNACCEPTABLE A=ACCEPTABLE

(Note: For general site conditions note existence of bare areas (number,size), cracks, subsidence (sinking), ponded water, stressed vegetation, soil discoloration or seeps, and rodent burrows. For site security, note absence of locks, gates open or damaged, missing signs or evidence of vandalism. Note any other unusual occurences.)

		COMMENTS
ACCESS ROAD	A	
COVER VEGETATION	A	
TREES	A	
LITTER	A	
EROSION (CAP)	A	
EROSION (BANK)	A	

SECURITY:

FENCE/LOCKS	U	
PIEZOMETERS/LOCKS	A	
MONITORING WELLS/LOCKS	A	
MANHOLES/LIDS/LOCKS	A	
ELECTRICAL PANEL	A	

ADDITIONAL COMMENTS: During a routine drive by, I noticed the wodden fence facing Tuscorora Rd. had sustained some damage, most likely due to a wind storm the previuos 2 days. I did a quick site walk to make sure no other damage was evident and then erected a temporary safety fence as a barrier until Fox Fence could come out an do a permanent repair.

MW 4hrs.

CHARLES GIBSON SITE
NIAGARA FALLS, NEW YORK
NYSDEC REGISTRY NO. 9-32-063
SITE INSPECTION FORM

THIS FORM TO BE USED FOR QUARTERLY AND ALL OTHER SITE INSPECTIONS

DATE: 2/13/2008 TIME: 930

INSPECTOR: Walker COMPANY: Sevenson

WEATHER:

REASON FOR INSPECTION (QUARTERLY OR OTHER): Fence repair follow up

GENERAL SITE CONDITIONS: U=UNACCEPTABLE A=ACCEPTABLE

(Note: For general site conditions note existence of bare areas (number, size), cracks, subsidence (sinking), ponded water, stressed vegetation, soil discoloration or seeps, and rodent burrows. For site security, note absence of locks, gates open or damaged, missing signs or evidence of vandalism. Note any other unusual occurences.)

		COMMENTS
ACCESS ROAD	A	
COVER VEGETATION	A	
TREES	A	
LITTER	A	
EROSION (CAP)	A	
EROSION (BANK)	A	

SECURITY:

FENCE/LOCKS	A	
PIEZOMETERS/LOCKS	A	
MONITORING WELLS/LOCKS	A	
MANHOLES/LIDS/LOCKS	A	
ELECTRICAL PANEL	A	

ADDITIONAL COMMENTS: Met on site with the crew from Fox Fence to supervise

Repairs to the wind damaged fence . Explained how the steel fence posts should be drilled into the bases of the former wooden posts, and then the wooden fence should be affixed to the steel posts.

This would eliminate the need to dig new post holes and possibly damage the cap cover or liner.

This procedure has worked in the past, and has worked again this time, see attached pictures.

MW 2

CHARLES GIBSON SITE
NIAGARA FALLS, NEW YORK
NYSDEC REGISTRY NO. 9-32-063
SITE INSPECTION FORM

THIS FORM TO BE USED FOR QUARTERLY AND ALL OTHER SITE INSPECTIONS

DATE: 4/3/2008 TIME: 730

INSPECTOR: C.Jones COMPANY: Sevenson

WEATHER:

REASON FOR INSPECTION (QUARTERLY OR OTHER): Qtrly. Insp. and spring sample event

GENERAL SITE CONDITIONS: U=UNACCEPTABLE A=ACCEPTABLE

(Note: For general site conditions note existence of bare areas (number,size), cracks, subsidence (sinking), ponded water, stressed vegetation, soil discoloration or seeps, and rodent burrows. For site security, note absence of locks, gates open or damaged, missing signs or evidence of vandalism. Note any other unusual occurences.)

		COMMENTS
ACCESS ROAD	A	
COVER VEGETATION	A	
TREES	A	
LITTER	A	picked up some trash blowing around
EROSION (CAP)	A	
EROSION (BANK)	A	
SECURITY:		
FENCE/LOCKS	A	Fence on NW side needs minor maintenance
PIEZOMETERS/LOCKS	A	
MONITORING WELLS/LOCKS	A	
MANHOLES/LIDS/LOCKS	A	
ELECTRICAL PANEL	A	

ADDITIONAL COMMENTS:

CHARLES GIBSON SITE
NIAGARA FALLS, NEW YORK
NYSDEC REGISTRY NO. 9-32-063
SITE INSPECTION FORM

THIS FORM TO BE USED FOR QUARTERLY AND ALL OTHER SITE INSPECTIONS

DATE: 9/11/2008 TIME: 1500

INSPECTOR: C Jones COMPANY: Sevenson

WEATHER:

REASON FOR INSPECTION (QUARTERLY OR OTHER): Fall 08

GENERAL SITE CONDITIONS: U=UNACCEPTABLE A=ACCEPTABLE

(Note: For general site conditions note existence of bare areas (number, size), cracks, subsidence (sinking), ponded water, stressed vegetation, soil discoloration or seeps, and rodent burrows. For site security, note absence of locks, gates open or damaged, missing signs or evidence of vandalism. Note any other unusual occurences.)

		COMMENTS
ACCESS ROAD	A	
COVER VEGETATION	A	
TREES	A	
LITTER	A	few plastic bags were thrown out
EROSION (CAP)	A	
EROSION (BANK)	A	
SECURITY:		
FENCE/LOCKS	A	
PIEZOMETERS/LOCKS	A	P-3 has settled 2 inches
MONITORING WELLS/LOCKS	A	
MANHOLES/LIDS/LOCKS	A	
ELECTRICAL PANEL	A	

ADDITIONAL COMMENTS:

CHARLES GIBSON SITE
NIAGARA FALLS, NEW YORK
NYSDEC REGISTRY NO. 9-32-063
SITE INSPECTION FORM

THIS FORM TO BE USED FOR QUARTERLY AND ALL OTHER SITE INSPECTIONS

DATE: 11/5/2008 TIME: 900

INSPECTOR: M. Walker COMPANY: Sevenson

WEATHER: Sunny 60 F

REASON FOR INSPECTION (QUARTERLY OR OTHER): Fourth Quarter Inspection

GENERAL SITE CONDITIONS: U=UNACCEPTABLE A=ACCEPTABLE

(Note: For general site conditions note existence of bare areas (number,size), cracks, subsidence (sinking), ponded water, stressed vegetation, soil discoloration or seeps, and rodent burrows. For site security, note absence of locks, gates open or damaged, missing signs or evidence of vandalism. Note any other unusual occurences.)

		COMMENTS
ACCESS ROAD	A	
COVER VEGETATION	A	
TREES	A	
LITTER	A	
EROSION (CAP)	A	
EROSION (BANK)	A	

SECURITY:

FENCE/LOCKS	A	
PIEZOMETERS/LOCKS	A	
MONITORING WELLS/LOCKS	A	
MANHOLES/LIDS/LOCKS	A	
ELECTRICAL PANEL	A	

ADDITIONAL COMMENTS:

CHARLES GIBSON SITE
NIAGARA FALLS, NEW YORK
NYSDEC REGISTRY NO. 9-32-063
GROUNDWATER SAMPLING FIELD PARAMETERS
FIELD INSTRUMENTATION CALIBRATION FORM

DATE: 4/3/2008 SEMI-ANNUAL SAMPLING EVENT: Spring 2008

PERSON CALIBRATING METERS: C. Jones

pH METER USED: MANUFACTURER: Oakton
MODEL: pH tester 3
IDENTIFICATION/CONTROL NUMBER: e-941

CALIBRATION STANDARDS USED:

STANDARD 7.00 METER READ: 7.00
STANDARD 4.00 METER READ: 4.01
STANDARD 10.00 METER READ: 10.09

METER CALIBRATION COMMENTS:

SPECIFIC CONDUCTIVITY METER USED:
MANUFACTURER: Oakton Conductivity Meter
MODEL: WD 35607-10
IDENTIFICATION/CONTROL NUMBER: e-706

CALIBRATION STANDARDS USED:

STANDARD 0 READ:
(STANDARD 0 USED: _____ AIR, _____ WATER)
STANDARD _____ 447 444
STANDARD _____ READ:

METER CALIBRATION COMMENTS:

THERMOMETER USED: TYPE: Digital
MANUFACTURER: Fischer Scientific
IDENTIFICATION/CONTROL NUMBER: e-969
COMMENTS: (DOES THERMOMETER TEMPERATURE AGREE WITH SPECIFIC CONDUCTIVITY METER TEMPERATURE ?)
OTHER:

OTHER INSTRUMENTS USED: TYPE:
MANUFACTURER:
IDENTIFICATION/CONTROL NUMBER:

CALIBRATIONS PERFORMED:

OTHER CALIBRATION COMMENTS:

CHARLES GIBSON SITE
NIAGARA FALLS, NEW YORK
NYSDEC REGISTRY NO. 9-32-063
GROUNDWATER AND SEDIMENT
SAMPLING FIELD FORM

RECORDED BY: C. Jones
SAMPLE ID: MW-1R-040308 & MW7-040308
SAMPLED BY: C.Jones
SAMPLING EVENT/DATE: 4/3/2008
COMPANY: Sevenson
MONITORING WELL: MW-1R
CONDITION: OK

GROUNDWATER PURGE DATA PURGE DATE: 4/3/2008

NOTE: ALL GIBSON SITE MONITORING WELLS ARE 2-INCH DIAMETER STAIN-LESS STEEL. WELL DEPTHS:

MW-1R	12.10'
MW-2	12.13'
MW-A3	11.95'
MW-4	13.75'
MW-5	15.28'

DEPTH TO BOTTOM FROM TOP OF RISER: 12.1 (FT.)
DEPTH TO WATER FROM TOP OF RISER: 4.01 (FT.)
WATER COLUMN: 8.09 (FT.)
2" DIA. WELL CONSTANT: 0.16
ONE WELL VOLUME= 1.29 (GALS)

PURGE METHOD: Peristaltic pump w/dedicated tubing
BOTTOM OF WELL/SILT BUILDUP: none
PURGE START TIME 1110 STOP TIM 1130
PURGE OBSERVATIONS: Clear

FIELD PARAMETER MEASUREMENTS:

WELL VOLUME	pH	SPECIFIC CONDUCTIVITY umhos/cm)	TEMP. (C OR F)	NOTES:
1	8.01	962	7.9	Clear
2	7.88	975	7.8	Clear
3	7.87	983	7.7	Clear
4	7.85	989	7.8	Clear
5				

TOTAL VOLUME PURGED: 3.88 gallons

GROUNDWATER OR SEDIMENT SAMPLING DATA: SAMPLE DATE: 4/3/2008

MEDIA: GROUNDWATER X
CREEK SEDIMENT
SAMPLE TIME: 1135
"MW-7" 830

LOCATION: Tuscarora Rd.

SAMPLE METHOD: P/Pump w/ dedicated tubing.

SAMPLING OBSERVATIONS: Clear , No Order

QC SAMPLES TAKEN: Blind Duokicate taken and labeled "MW-7" for QC.

OTHER OBSERVATIONS/COMMENTS: 8-1liter amber bottles taken.

Note: specific conductivity formula to 25 degrees Celcius: $SC(25) = \frac{SC\ measured}{\{(T-25)(0.02)\}+1}$

CHARLES GIBSON SITE
NIAGARA FALLS, NEW YORK
NYSDEC REGISTRY NO. 9-32-063
GROUNDWATER AND SEDIMENT
SAMPLING FIELD FORM

RECORDED BY: C. Jones **SAMPLE ID:** MW5-040308

SAMPLED BY: C.Jones SAMPLING EVENT/DATE: 4/3/2008

COMPANY: Sevenson MONITORING WELL: MW-5

CONDITION: OK

GROUNDWATER PURGE DATA PURGE DATE: 4/3/2008

DEPTH TO BOTTOM FROM TOP OF RISER: 15.28 (FT.)

DEPTH TO WATER FROM TOP OF RISER: 7.5 (FT.)

WATER COLUMN: 7.78 (FT.)

2" DIA. WELL CONSTANT: 0.16

ONE WELL VOLUME= 1.24 (GALS)

NOTE: ALL GIBSON SITE MONITORING WELLS ARE 2-INCH DIAMETER STAIN-LESS STEEL. WELL DEPTHS:

MW-1R	12.10'
MW-2	12.13'
MW-A3	11.95'
MW-4	13.75'
MW-5	15.28'

PURGE METHOD: Peristaltic pump w/dedicated tubing
BOTTOM OF WELL/SILT BUILDUP: none
PURGE START TIME 1245 STOP TIM 1305
PURGE OBSERVATIONS: turbid to clear

FIELD PARAMETER MEASUREMENTS:

WELL VOLUME	pH	SPECIFIC CONDUCTIVITY umhos/cm)	TEMP. (C OR F)	NOTES:
1	6.73	1751	9.1	Slightly turbid
2	6.71	1867	8.7	Clear
3	6.69	1861	8.7	Clear
4	6.68	1869	8.7	Clear
5				

TOTAL VOLUME PURGED: 3.73 gallons

GROUNDWATER OR SEDIMENT SAMPLING DATA: SAMPLE DATE: 4/3/2008

MEDIA: GROUNDWATER X SAMPLE TIME: 1310
CREEK SEDIMENT

LOCATION: MW-5, in field past MW-4

SAMPLE METHOD: P/Pump w/ dedicated tubing.

SAMPLING OBSERVATIONS: Clear, No Odor

QC SAMPLES TAKEN: none

OTHER OBSERVATIONS/COMMENTS: 4-1liter amber bottles

Note: specific conductivity formula to 25 degrees Celcius: SC(25)= $\frac{\text{SC measured}}{\{\{T-25)(0.02)\}+1}$

CHARLES GIBSON SITE
NIAGARA FALLS, NEW YORK
NYSDEC REGISTRY NO. 9-32-063
GROUNDWATER AND SEDIMENT
SAMPLING FIELD FORM

RECORDED BY: C. Jones **SAMPLE ID:**

SAMPLED BY: C.Jones SAMPLING EVENT/DATE:

COMPANY: Sevenson MONITORING WELL: Manhole B

CONDITION: OK

GROUNDWATER PURGE DATA PURGE DATE: 4/3/2008

DEPTH TO BOTTOM FROM TOP OF RISER: (FT.)

DEPTH TO WATER FROM TOP OF RISER: (FT.)

WATER COLUMN: (FT.)

2" DIA. WELL CONSTANT: 0.16

ONE WELL VOLUME= (GALS)

PURGE METHOD:

BOTTOM OF WELL/SILT BUILDUP:

PURGE START TIME: STOP TIME:

PURGE OBSERVATIONS:

NOTE: ALL GIBSON SITE MONITORING WELLS ARE 2-INCH DIAMETER STAIN-LESS STEEL. WELL DEPTHS:

MW-1R	12.10'
MW-2	12.13'
MW-A3	11.95'
MW-4	13.75'
MW-5	15.28'

FIELD PARAMETER MEASUREMENTS:

WELL VOLUME	pH	SPECIFIC CONDUCTIVITY umhos/cm)	TEMP. (C OR F)	NOTES:
1				Grab sample
2				
3				
4				
5				

TOTAL VOLUME PURGED: 0

GROUNDWATER OR SEDIMENT SAMPLING DATA: SAMPLE DATE:

MEDIA: GROUNDWATER X SAMPLE TIME:
CREEK SEDIMENT

LOCATION: Manhole B

SAMPLE METHOD:

SAMPLING OBSERVATIONS: NOT SAMPLED THIS ROUND

QC SAMPLES TAKEN: no

OTHER OBSERVATIONS/COMMENTS:

Note: specific conductivity formula to 25 degrees Celcius: SC(25)= SC measured / {{T-25)(0.02)}+1

CHARLES GIBSON SITE
NIAGARA FALLS, NEW YORK
NYSDEC REGISTRY NO. 9-32-063
GROUNDWATER AND SEDIMENT
SAMPLING FIELD FORM

RECORDED BY: C. Jones **SAMPLE ID:** MW_8

SAMPLED BY: C.Jones SAMPLING EVENT/DATE: 4/3/2008

COMPANY: Sevenson MONITORING WELL: Field Blank

CONDITION: OK

GROUNDWATER PURGE DATA PURGE DATE:

DEPTH TO BOTTOM FROM TOP OF RISER: (FT.)

DEPTH TO WATER FROM TOP OF RISER: (FT.)

WATER COLUMN: (FT.)

2" DIA. WELL CONSTANT:

ONE WELL VOLUME= (GALS)

PURGE METHOD:

BOTTOM OF WELL/SILT BUILDUP:

PURGE START TIME STOP TIM

PURGE OBSERVATIONS:

NOTE: ALL GIBSON SITE MONITORING WELLS ARE 2-INCH DIAMETER STAIN-LESS STEEL. WELL DEPTHS:

MW-1R	12.10'
MW-2	12.13'
MW-A3	11.95'
MW-4	13.75'
MW-5	15.28'

FIELD PARAMETER MEASUREMENTS:

WELL VOLUME	pH	SPECIFIC CONDUCTIVITY umhos/cm)	TEMP. (C OR F)	NOTES:
1				
2				
3				
4				
5				

TOTAL VOLUME PURGED: gallons

GROUNDWATER OR SEDIMENT SAMPLING DATA: SAMPLE DATE: 4/3/2008

MEDIA: GROUNDWATER _____ SAMPLE TIME: 1540
CREEK SEDIMENT _____

LOCATION: "MW-8" Field Blank

SAMPLE METHOD:

SAMPLING OBSERVATIONS:

QC SAMPLES TAKEN: Field Blank

OTHER OBSERVATIONS/COMMENTS: 4-1liter amber bottles taken.

Note: specific conductivity formula to 25 degrees Celcius: SC(25)= SC measured / {{T-25)(0.02)}+1

CHARLES GIBSON SITE
NIAGARA FALLS, NEW YORK
NYSDEC REGISTRY NO. 9-32-063
GROUNDWATER AND SEDIMENT
SAMPLING FIELD FORM

RECORDED BY: C. Jones
SAMPLE ID: MW4-040308
SAMPLED BY: C.Jones
SAMPLING EVENT/DATE: 4/3/2008
COMPANY: Sevenson
MONITORING WELL: MW-4
CONDITION: OK

GROUNDWATER PURGE DATA PURGE DATE: 4/3/2008

DEPTH TO BOTTOM FROM TOP OF RISER: 13.75 (FT.)
DEPTH TO WATER FROM TOP OF RISER: 6.49 (FT.)
WATER COLUMN: 7.26 (FT.)
2" DIA. WELL CONSTANT: 0.16
ONE WELL VOLUME= 1.16 (GALS)

NOTE: ALL GIBSON SITE MONITORING WELLS ARE 2-INCH DIAMETER STAIN-LESS STEEL. WELL DEPTHS:

MW-1R	12.10'
MW-2	12.13'
MW-A3	11.95'
MW-4	13.75'
MW-5	15.28'

PURGE METHOD: Peristaltic pump w/dedicated tubing
BOTTOM OF WELL/SILT BUILDUP: yes
PURGE START TIME 1335 STOP TIM 1400
PURGE OBSERVATIONS: turbid w/ black flakesthen clearing

FIELD PARAMETER MEASUREMENTS:

WELL VOLUME	pH	SPECIFIC CONDUCTIVITY umhos/cm)	TEMP. (C OR F)	NOTES:
1	7.91	1416	9.1	Orange, turbid
2	7.68	1590	8.5	Orange, turbid
3	7.66	1602	8.3	Slightly turbid
4	7.65	1611	8.3	Clear
5				

TOTAL VOLUME PURGED: 3.48 gallons

GROUNDWATER OR SEDIMENT SAMPLING DATA: SAMPLE DATE: 4/3/2008

MEDIA: GROUNDWATER X
CREEK SEDIMENT
SAMPLE TIME: 1410

LOCATION: MW-4, On Autozone property, east of bldg.

SAMPLE METHOD: P/Pump w/ dedicated tubing.

SAMPLING OBSERVATIONS: Clear, No Odor

QC SAMPLES TAKEN: none

OTHER OBSERVATIONS/COMMENTS: 4-1liter amber bottles taken.

Note: specific conductivity formula to 25 degrees Celcius: SC(25)= SC measured / {{T-25)(0.02)}+1

CHARLES GIBSON SITE
NIAGARA FALLS, NEW YORK
NYSDEC REGISTRY NO. 9-32-063
GROUNDWATER AND SEDIMENT
SAMPLING FIELD FORM

RECORDED BY: C. Jones
SAMPLE ID: MW-A3-040308
SAMPLED BY: C.Jones
SAMPLING EVENT/DATE: 4/3/2008
COMPANY: Sevenson
MONITORING WELL: MW-A3
CONDITION: OK

GROUNDWATER PURGE DATA PURGE DATE: 4/3/2008

DEPTH TO BOTTOM FROM TOP OF RISER: 11.95 (FT.)
DEPTH TO WATER FROM TOP OF RISER: 5.38 (FT.)
WATER COLUMN: 6.57 (FT.)
2" DIA. WELL CONSTANT: 0.16
ONE WELL VOLUME= 1.05 (GALS)

NOTE: ALL GIBSON SITE MONITORING WELLS ARE 2-INCH DIAMETER STAIN-LESS STEEL. WELL DEPTHS:

MW-1R	12.10'
MW-2	12.13'
MW-A3	11.95'
MW-4	13.75'
MW-5	15.28'

PURGE METHOD: Peristaltic pump w/dedicated tubing
BOTTOM OF WELL/SILT BUILDUP: no
PURGE START TIME 1435 STOP TIM 1500
PURGE OBSERVATIONS: Clear

FIELD PARAMETER MEASUREMENTS:

WELL VOLUME	pH	SPECIFIC CONDUCTIVITY umhos/cm)	TEMP. (C OR F)	NOTES:
1	7.61	468	8.7	Clear
2	7.45	435	8.5	Clear
3	7.44	439	8.4	Clear
4	7.42	433	8.3	Clear
5				

TOTAL VOLUME PURGED: 3.15 gallons

GROUNDWATER OR SEDIMENT SAMPLING DATA: SAMPLE DATE: 4/3/2008

MEDIA: GROUNDWATER X
CREEK SEDIMENT
SAMPLE TIME: 1505

LOCATION: MW-A3, behind Niagara Falls Hotel

SAMPLE METHOD: P/Pump w/ dedicated tubing.

SAMPLING OBSERVATIONS: Clear, No Odor

QC SAMPLES TAKEN: none

OTHER OBSERVATIONS/COMMENTS: 4-1liter amber bottles taken.

Note: specific conductivity formula to 25 degrees Celcius: SC(25)= SC measured / {{T-25)(0.02)}+1

CHARLES GIBSON SITE
NIAGARA FALLS, NEW YORK
NYSDEC REGISTRY NO. 9-32-063
GROUNDWATER SAMPLING FIELD PARAMETERS
FIELD INSTRUMENTATION CALIBRATION FORM

DATE: 9/11/2008 SEMI-ANNUAL SAMPLING EVENT: Fall 2008

PERSON CALIBRATING METERS: C. Jones

pH METER USED: MANUFACTURER: Double Junction
MODEL: pH tester 30
IDENTIFICATION/CONTROL NUMBER: 1220148

CALIBRATION STANDARDS USED:

STANDARD 7.00 METER READ: 7.04
STANDARD 4.00 METER READ: 4.01
STANDARD 10.00 METER READ: 10.03

METER CALIBRATION COMMENTS:

SPECIFIC CONDUCTIVITY METER USED:
MANUFACTURER: Oakton Conductivity Meter
MODEL: WD 35607-10
IDENTIFICATION/CONTROL NUMBER: e-706

CALIBRATION STANDARDS USED:

STANDARD 0 READ:
(STANDARD 0 USED: ____ AIR, ____ WATER)
STANDARD ____ 447 444
STANDARD ____ 8974 8981

METER CALIBRATION COMMENTS:

THERMOMETER USED: TYPE: Digital
MANUFACTURER: Fischer Scientific
IDENTIFICATION/CONTROL NUMBER: 21115741
COMMENTS: (DOES THERMOMETER TEMPERATURE AGREE WITH SPECIFIC CONDUCTIVITY METER TEMPERATURE ?) yes
OTHER:

OTHER INSTRUMENTS USED: TYPE:
MANUFACTURER:
IDENTIFICATION/CONTROL NUMBER:

CALIBRATIONS PERFORMED:

OTHER CALIBRATION COMMENTS:

CHARLES GIBSON SITE
NIAGARA FALLS, NEW YORK
NYSDEC REGISTRY NO. 9-32-063
GROUNDWATER AND SEDIMENT
SAMPLING FIELD FORM

RECORDED BY: C. Jones
SAMPLE ID: MW5-091108
SAMPLED BY: C.Jones
SAMPLING EVENT/DATE: 9/11/2008
COMPANY: Sevenson
MONITORING WELL: MW-5
CONDITION: OK

GROUNDWATER PURGE DATA
PURGE DATE: 9/11/2008

DEPTH TO BOTTOM FROM TOP OF RISER: 15.28 (FT.)
DEPTH TO WATER FROM TOP OF RISER: 7.8 (FT.)
WATER COLUMN: 7.48 (FT.)
2" DIA. WELL CONSTANT: 0.16
ONE WELL VOLUME= 1.20 (GALS)

NOTE: ALL GIBSON SITE MONITORING WELLS ARE 2-INCH DIAMETER STAIN-LESS STEEL. WELL DEPTHS:

MW-1R	12.10'
MW-2	12.13'
MW-A3	11.95'
MW-4	13.75'
MW-5	15.28'

PURGE METHOD: Peristaltic pump w/dedicated tubing
BOTTOM OF WELL/SILT BUILDUP: none
PURGE START TIME: 1200 STOP TIM 1240
PURGE OBSERVATIONS: turbid to clear

FIELD PARAMETER MEASUREMENTS:

WELL VOLUME	pH	SPECIFIC CONDUCTIVITY umhos/cm)	TEMP. (C OR F)	NOTES:
1	6.52	532	16.4	Slightly turbid
2	6.53	490	16.1	Clear
3	6.54	481	16.2	Clear
4	6.53	478	16.2	Clear
5				

TOTAL VOLUME PURGED: 3.59 gallons

GROUNDWATER OR SEDIMENT SAMPLING DATA:
SAMPLE DATE: 9/11/2008

MEDIA: GROUNDWATER X
CREEK SEDIMENT
SAMPLE TIME: 1250

LOCATION: MW-5, in field past MW-4

SAMPLE METHOD: P/Pump w/ dedicated tubing.

SAMPLING OBSERVATIONS: Clear, No Odor

QC SAMPLES TAKEN: none

OTHER OBSERVATIONS/COMMENTS: 2-1liter amber bottles. Sampled for BHC

Note: specific conductivity formula to 25 degrees Celcius: $SC(25) = \frac{SC\ measured}{\{(T-25)(0.02)\}+1}$

CHARLES GIBSON SITE
NIAGARA FALLS, NEW YORK
NYSDEC REGISTRY NO. 9-32-063
GROUNDWATER AND SEDIMENT
SAMPLING FIELD FORM

RECORDED BY: C. Jones
SAMPLE ID: MW-1R-091108 & MW7-091108
SAMPLED BY: C.Jones
SAMPLING EVENT/DATE: 9/11/2008
COMPANY: Sevenson
MONITORING WELL: MW-1R
CONDITION: OK

GROUNDWATER PURGE DATA PURGE DATE: 9/11/2008

NOTE: ALL GIBSON SITE MONITORING WELLS ARE 2-INCH DIAMETER STAIN-LESS STEEL. WELL DEPTHS:

MW-1R	12.10'
MW-2	12.13'
MW-A3	11.95'
MW-4	13.75'
MW-5	15.28'

DEPTH TO BOTTOM FROM TOP OF RISER: 12.1 (FT.)
DEPTH TO WATER FROM TOP OF RISER: 6.65 (FT.)
WATER COLUMN: 5.45 (FT.)
2" DIA. WELL CONSTANT: 0.16
ONE WELL VOLUME= 0.87 (GALS)

PURGE METHOD: Peristaltic pump w/dedicated tubing
BOTTOM OF WELL/SILT BUILDUP: none
PURGE START TIME: 1100 STOP TIM 1130
PURGE OBSERVATIONS: Clear

FIELD PARAMETER MEASUREMENTS:

WELL VOLUME	pH	SPECIFIC CONDUCTIVITY umhos/cm)	TEMP. (C OR F)	NOTES:
1	7.53	802	17.1	Clear
2	7.49	823	17	Clear
3	7.45	830	17.1	Clear
4	7.43	835	17	Clear
5				

TOTAL VOLUME PURGED: 2.62 gallons

GROUNDWATER OR SEDIMENT SAMPLING DATA: SAMPLE DATE: 9/11/2008

MEDIA: GROUNDWATER X
CREEK SEDIMENT
SAMPLE TIME: 1140
"MW-7" 1230

LOCATION: Tuscarora Rd.

SAMPLE METHOD: P/Pump w/ dedicated tubing.

SAMPLING OBSERVATIONS: Clear , No Order

QC SAMPLES TAKEN: Blind Duplicate taken and labeled "MW-7" for QC.

OTHER OBSERVATIONS/COMMENTS: 4-1liter amber bottles taken. Sampled for BHC

Note: specific conductivity formula to 25 degrees Celcius: SC(25)= SC measured / {{T-25)(0.02)}+1

CHARLES GIBSON SITE
NIAGARA FALLS, NEW YORK
NYSDEC REGISTRY NO. 9-32-063
GROUNDWATER AND SEDIMENT
SAMPLING FIELD FORM

RECORDED BY: C. Jones **SAMPLE ID:** MW4-091108

SAMPLED BY: C.Jones SAMPLING EVENT/DATE: 9/11/2008

COMPANY: Sevenson MONITORING WELL: MW-4

CONDITION: OK

GROUNDWATER PURGE DATA PURGE DATE: 9/11/2008

DEPTH TO BOTTOM FROM TOP OF RISER: 13.75 (FT.)

DEPTH TO WATER FROM TOP OF RISER: 6.96 (FT.)

WATER COLUMN: 6.79 (FT.)

2" DIA. WELL CONSTANT: 0.16

ONE WELL VOLUME= 1.09 (GALS)

NOTE: ALL GIBSON SITE MONITORING WELLS ARE 2-INCH DIAMETER STAIN-LESS STEEL. WELL DEPTHS:

MW-1R	12.10'
MW-2	12.13'
MW-A3	11.95'
MW-4	13.75'
MW-5	15.28'

PURGE METHOD: Peristaltic pump w/dedicated tubing
BOTTOM OF WELL/SILT BUILDUP: none
PURGE START TIME 1310 STOP TIM 1335
PURGE OBSERVATIONS: turbid w/ black flakesthen clearing, slight odor

FIELD PARAMETER MEASUREMENTS:

WELL VOLUME	pH	SPECIFIC CONDUCTIVITY umhos/cm)	TEMP. (C OR F)	NOTES:
1	7.31	1178	16.6	Orange, turbid
2	7.37	1060	16.4	slightly turbid
3	7.34	1035	16.3	Slightly turbid
4	7.36	1026	16.3	Clear
5				

TOTAL VOLUME PURGED: 3.26 gallons

GROUNDWATER OR SEDIMENT SAMPLING DATA: SAMPLE DATE: 9/11/2008

MEDIA: GROUNDWATER X SAMPLE TIME: 1340
CREEK SEDIMENT

LOCATION: MW-4, On Autozone property, east of bldg.

SAMPLE METHOD: P/Pump w/ dedicated tubing.

SAMPLING OBSERVATIONS: Clear, No Odor

QC SAMPLES TAKEN: none

OTHER OBSERVATIONS/COMMENTS: 2-1liter amber bottles taken.

Note: specific conductivity formula to 25 degrees Celcius: SC(25)= $\frac{SC\ measured}{\{(T-25)(0.02)\}+1}$

CHARLES GIBSON SITE
NIAGARA FALLS, NEW YORK
NYSDEC REGISTRY NO. 9-32-063
GROUNDWATER AND SEDIMENT
SAMPLING FIELD FORM

RECORDED BY: C. Jones **SAMPLE ID:** MW-A3-091108

SAMPLED BY: C.Jones SAMPLING EVENT/DATE: 9/11/2008

COMPANY: Sevenson MONITORING WELL: MW-A3

CONDITION: OK

GROUNDWATER PURGE DATA PURGE DATE: 9/11/2008

DEPTH TO BOTTOM FROM TOP OF RISER: 11.95 (FT.)

DEPTH TO WATER FROM TOP OF RISER: 6.95 (FT.)

WATER COLUMN: 5 (FT.)

2" DIA. WELL CONSTANT: 0.16

ONE WELL VOLUME= 0.80 (GALS)

NOTE: ALL GIBSON SITE MONITORING WELLS ARE 2-INCH DIAMETER STAIN-LESS STEEL. WELL DEPTHS:

MW-1R	12.10'
MW-2	12.13'
MW-A3	11.95'
MW-4	13.75'
MW-5	15.28'

PURGE METHOD: Peristaltic pump w/dedicated tubing
BOTTOM OF WELL/SILT BUILDUP: no
PURGE START TIME 1400 STOP TIM 1425
PURGE OBSERVATIONS: Clear

FIELD PARAMETER MEASUREMENTS:

WELL VOLUME	pH	SPECIFIC CONDUCTIVITY umhos/cm)	TEMP. (C OR F)	NOTES:
1	7.67	579	16.8	Clear
2	7.48	510	16.7	Clear
3	7.31	495	16.7	Clear
4	7.25	489	16.8	Clear
5				

TOTAL VOLUME PURGED: 2.40 gallons

GROUNDWATER OR SEDIMENT SAMPLING DATA: SAMPLE DATE: 9/11/2008

MEDIA: GROUNDWATER X SAMPLE TIME: 1430
CREEK SEDIMENT

LOCATION: MW-A3, behind Niagara Falls Hotel

SAMPLE METHOD: P/Pump w/ dedicated tubing.

SAMPLING OBSERVATIONS: Clear, No Odor

QC SAMPLES TAKEN: none

OTHER OBSERVATIONS/COMMENTS: 2-1liter amber bottles taken. Sampled for BHC

Note: specific conductivity formula to 25 degrees Celcius: SC(25)= $\frac{\text{SC measured}}{\{\{T-25)(0.02)\}+1}$

CHARLES GIBSON SITE
NIAGARA FALLS, NEW YORK
NYSDEC REGISTRY NO. 9-32-063
GROUNDWATER AND SEDIMENT
SAMPLING FIELD FORM

RECORDED BY: C. Jones **SAMPLE ID:** MW2-091108

SAMPLED BY: C.Jones SAMPLING EVENT/DATE: 9/11/2008

COMPANY: Sevenson MONITORING WELL: MW-2

CONDITION: OK

GROUNDWATER PURGE DATA PURGE DATE: 9/11/2008

DEPTH TO BOTTOM FROM TOP OF RISER: 12.13 (FT.)

DEPTH TO WATER FROM TOP OF RISER: 5.42 (FT.)

WATER COLUMN: 6.71 (FT.)

2" DIA. WELL CONSTANT: 0.16

ONE WELL VOLUME= 1.07 (GALS)

PURGE METHOD: Peristaltic pump w/dedicated tubing

BOTTOM OF WELL/SILT BUILDUP: none

PURGE START TIME: 950 STOP TIM 1025

PURGE OBSERVATIONS: turbid to clear

NOTE: ALL GIBSON SITE MONITORING WELLS ARE 2-INCH DIAMETER STAIN-LESS STEEL. WELL DEPTHS:

MW-1R	12.10'
MW-2	12.13'
MW-A3	11.95'
MW-4	13.75'
MW-5	15.28'

FIELD PARAMETER MEASUREMENTS:

WELL VOLUME	pH	SPECIFIC CONDUCTIVITY umhos/cm)	TEMP. (C OR F)	NOTES:
1	7.46	356	17.2	cloudy
2	7.3	529	17.3	Clear
3	7.33	540	17.2	Clear
4	7.35	551	17.4	Clear
5				

TOTAL VOLUME PURGED: 3.22 gallons

GROUNDWATER OR SEDIMENT SAMPLING DATA: SAMPLE DATE: 9/11/2008

MEDIA: GROUNDWATER X SAMPLE TIME: 1030
CREEK SEDIMENT

LOCATION: MW-2 behind autozone next to dumpsters

SAMPLE METHOD: P/Pump w/ dedicated tubing.

SAMPLING OBSERVATIONS: Clear, slight odor

QC SAMPLES TAKEN: MS/MSD

OTHER OBSERVATIONS/COMMENTS: 4- 1 liter amber bottles taken.

Note: specific conductivity formula to 25 degrees Celcius: $SC(25) = \frac{SC\ measured}{\{(T-25)(0.02)\}+1}$

CHARLES GIBSON SITE
NIAGARA FALLS, NEW YORK
NYSDEC REGISTRY NO. 9-32-063
GROUNDWATER AND SEDIMENT
SAMPLING FIELD FORM

RECORDED BY: C. Jones
SAMPLE ID: field blank-091108
SAMPLED BY: C.Jones
SAMPLING EVENT/DATE: 9/11/2008
COMPANY: Sevenson
MONITORING WELL: Field Blank
CONDITION: OK

GROUNDWATER PURGE DATA PURGE DATE:

DEPTH TO BOTTOM FROM TOP OF RISER: (FT.)
DEPTH TO WATER FROM TOP OF RISER: (FT.)
WATER COLUMN: (FT.)
2" DIA. WELL CONSTANT:
ONE WELL VOLUME= (GALS)
PURGE METHOD:
BOTTOM OF WELL/SILT BUILDUP:
PURGE START TIME STOP TIM
PURGE OBSERVATIONS:

NOTE: ALL GIBSON SITE MONITORING WELLS ARE 2-INCH DIAMETER STAIN-LESS STEEL. WELL DEPTHS:

MW-1R	12.10'
MW-2	12.13'
MW-A3	11.95'
MW-4	13.75'
MW-5	15.28'

FIELD PARAMETER MEASUREMENTS:

WELL VOLUME	pH	SPECIFIC CONDUCTIVITY umhos/cm)	TEMP. (C OR F)	NOTES:
1				
2				
3				
4				
5				

TOTAL VOLUME PURGED: gallons

GROUNDWATER OR SEDIMENT SAMPLING DATA: SAMPLE DATE: 9/11/2008

MEDIA: GROUNDWATER
CREEK SEDIMENT
SAMPLE TIME: 1500

LOCATION: Field Blank

SAMPLE METHOD:

SAMPLING OBSERVATIONS:

QC SAMPLES TAKEN: Field Blank

OTHER OBSERVATIONS/COMMENTS: 2-1liter amber bottles taken. Sampled for BHC

Note: specific conductivity formula to 25 degrees Celcius: $SC(25) = \frac{SC\ measured}{\{(T-25)(0.02)\}+1}$

CHARLES GIBSON SITE
NIAGARA FALLS, NEW YORK
NYSDEC REGISTRY NO. 9-32-063
GROUNDWATER ELEVATION FORM

THIS FORM TO BE USED FOR ALL QUARTERLY PIEZOMETER AND MANHOLE GROUND-WATER ELEVATION MEASURING EVENTS

DATE: 4/3/2008 TIME: 800

INSPECTOR: C. Jones COMPANY: Sevenson

WEATHER: 40 F Sunny

PIEZOMETER	RISER ELEVATION (INSIDE CASING)	DEPTH TO WATER (FT.)	WATER ELEVATION	COMMENTS
P-1	572.72	7.28	565.44	OK
P-2	574.89	9.39	565.5	OK
P-3	574.16	6.61	567.55	OK
P-4	576.14	10.7	565.44	OK
P-5	575.05	5.21	569.84	OK
P-6	578.28	10.29	567.99	OK
MANHOLE A	575.22	11.09	564.13	OK
MANHOLE B	577.34	13.17	564.17	OK

(Note: Manhole A empties into Manhole B by gravity feed and Manhole B is pumped automatically to the Town of Niagara Tuscarora Road sanitary sewer line by a float controlled sump pump which maintains groundwater elevations in Manhole B (and by extension Manhole A) below an elevation of 565 ft. above mean sea level. Therefore, Depth to water distance from the manhole rim should not be less than 12.41 ft. at Manhole B and 10.22 ft. at Manhole A.
(Note: riser elevations (re)surveyed September, 1999 by Wendel Surveyors)

ADDITIONAL COMMENTS/OBSERVATIONS:

CHARLES GIBSON SITE
NIAGARA FALLS, NEW YORK
NYSDEC REGISTRY NO. 9-32-063
GROUNDWATER ELEVATION FORM

THIS FORM TO BE USED FOR ALL QUARTERLY PIEZOMETER AND MANHOLE GROUND-WATER ELEVATION MEASURING EVENTS

DATE: 9/11/2008 TIME: 930

INSPECTOR: C. Jones COMPANY: Sevenson

WEATHER: 60 F Sunny

PIEZOMETER	RISER ELEVATION (INSIDE CASING)	DEPTH TO WATER (FT.)	WATER ELEVATION	COMMENTS
P-1	572.72	6.59	566.13	OK
P-2	574.89	9.61	565.28	OK
P-3	574.16	7.85	566.31	casing settled
P-4	576.14	10.94	565.2	OK
P-5	575.05	6.68	568.37	OK
P-6	578.28	10.89	567.39	OK
MANHOLE A	575.22	11.11	564.11	OK
MANHOLE B	577.34	13.11	564.23	OK

(Note: Manhole A empties into Manhole B by gravity feed and Manhole B is pumped automatically to the Town of Niagara Tuscarora Road sanitary sewer line by a float controlled sump pump which maintains groundwater elevations in Manhole B (and by extension Manhole A) below an elevation of 565 ft. above mean sea level. Therefore, Depth to water distance from the manhole rim should not be less than 12.41 ft. at Manhole B and 10.22 ft. at Manhole A.
(Note: riser elevations (re)surveyed September, 1999 by Wendel Surveyors)

ADDITIONAL COMMENTS/OBSERVATIONS:

CHARLES GIBSON SITE
NIAGARA FALLS, NEW YORK
NYSDEC REGISTRY NO. 9-32-063
GROUNDWATER ELEVATION FORM

THIS FORM TO BE USED FOR ALL QUARTERLY PIEZOMETER AND MANHOLE GROUND-WATER ELEVATION MEASURING EVENTS

DATE: 11/5/2008 TIME: 900

INSPECTOR: M. Walker COMPANY: Sevenson

WEATHER: 60 F sunny

PIEZOMETER	RISER ELEVATION (INSIDE CASING)	DEPTH TO WATER (FT.)	WATER ELEVATION	COMMENTS
P-1	572.72	7.26	565.46	OK
P-2	574.89	9.65	565.24	OK
P-3	574.16	7.64	566.52	OK
P-4	576.14	10.97	565.17	OK
P-5	575.05	6.29	568.76	OK
P-6	578.28	10.85	567.43	OK
MANHOLE A	575.22	11.41	563.81	OK
MANHOLE B	577.34	13.45	563.89	OK

(Note: Manhole A empties into Manhole B by gravity feed and Manhole B is pumped automatically to the Town of Niagara Tuscarora Road sanitary sewer line by a float controlled sump pump which maintains groundwater elevations in Manhole B (and by extension Manhole A) below an elevation of 565 ft. above mean sea level. Therefore, Depth to water distance from the manhole rim should not be less than 12.41 ft. at Manhole B and 10.22 ft. at Manhole A.
(Note: riser elevations (re)surveyed September, 1999 by Wendel Surveyors)

ADDITIONAL COMMENTS/OBSERVATIONS: