Addendum 1 to the 2005 Eagle Creek Watershed Management Plan

Traders Point Farm HUC 05120201120080

Introduction

The purpose of this addendum is to include this <u>specific site</u> as having a "High" level of degradation within a "Low" level 14-Digit Sub-watershed (Eagle Creek-Long Branch/Irishmans Run), reference Table VI-20 of the 2005 Eagle Creek Watershed Management Plan. Such inclusion will allow the Eagle Creek Watershed Alliance to use existing cost-share funds as specified in the Eagle Creek Watershed Management Plan and approved by the IDEM Program Manager.

This site came to the attention of the Eagle Creek Watershed Alliance through a contact made by the Alliance's Ag Liaison, Harold Thompson. The property owners made mention that they had received letters of violation from the Marion County Health Department. This was brought up to the Alliance's Technical Committee in the fall of 2010. Concerns were discussed that while this site was in a "non-priority" sub-watershed, it was still a source of pollution to residents on the south side of Moore Road as well as directly impacting Eagle Creek Reservoir, a recreational and drinking water resource.

It was the decision of the Alliance to write an addendum to the Management Plan to include this site as eligible for grant funding to reduce the runoff from the dairy. In the interim Mr. Thompson will continue to work with the owner on other management practices to reduce nutrient loading.

Additionally, the dairy operation on the Traders Point Farm located at 8060 Moore Road, Indianapolis IN, was notified by the Marion County Health Department of elevated levels of E. coli bacteria, orthoophosphate and ammonium. Sample results for the above were several times over the allowable limits as specified in 327 IAC 2-1-6, State of Indiana Minimum Surface Water Quality Standards.

A review of the dairy operation by NRCS engineers indicated that the site is well suited for the installation of best management practices to reduce bacterial and nutrient runoffs. The dairy herd is 90 to 110 animals with no plans by the owner to increase the herd size to the point that it would become a regulated entity, such as a CFO.

By approving this addendum to the 2005 Eagle Creek Watershed Management Plan the Eagle Creek Watershed Alliance will be able to implement best management practices on this site to reduce pollution runoff and improve the water quality entering Eagle Creek Reservoir.

Location

The Traders Point Farm (Elder Dairy) was brought to the Eagle Creek Watershed Alliance's (the Alliance) attention by the Marion County Board of Health through samples taken near the dairy farm. Runoff from the farm is approximately 0.8 of a mile from the north end of Eagle Creek Reservoir. Meetings with the dairy's manager indicated interest in upgrading the waste management facilities. On review of the 2005 Eagle Creek Watershed Management Plan (the Management Plan) it was noted that the Traders Point Farm was in the Long Branch/Irishman Run Sub-watershed (HUC 05120201120080) which is denoted as "Low" priority in the Management Plan.

The Eagle Creek Watershed and sub-watersheds are covered in detail in the 2005 Management Plan. The Long Branch/Irishman Run sub-watershed is located at the southern base of the Eagle Creek watershed and includes the north, or upper, end of Eagle Creek reservoir. The Town of Zionsville is located in the sub-watershed as well as outfalls from the Zionsville WWTP and Clay Waste WWTP. Figure 1 is a map of the sub-watershed, with the Traders Point Dairy immediately above the 05120201120080 legend.

Figure 2 is a map of the Traders Point Farm boundaries with Eagle Creek in the lower right-hand corner. The farm is comprised of agriculturally highly erodible land slopping southwest. The small ditch/stream from the farm passes through a residential area prior to entering Eagle Creek.

Impairments

The high nutrient levels (Marion County Board of Health data, Appendix A), contribute to excessive Blue-Green algae blooms which have restricted recreational activity on Eagle Creek Reservoir and increased the cost of drinking water treatment for the Indianapolis Water Company. (http://www.in.gov/idem/algae/)

High bacterial levels of E. coli (Board of Health data, Appendix A) were found in ditches and streams passing through residential areas between Traders Point Farm and Eagle Creek.

Both of the above present potential public health risks. Reference Figure 8 (a) and 8 (b) for IDEM Water Quality Targets.

Causes/Sources

The principle source of the impairments noted above are from this specific site, the dairy operation of Traders Point Farm. The farm/dairy comprises the drainage way where MCHD sampling occurs (see Figure 4). Storm runoff is not separated properly from animal waste and additional waste storage should be added. Cattle are also allowed in the drainage way on the farm property on the northwest side of Moore Road. (See Figure 4) The drain continues through a culvert under Moore Road to Eagle Creek. (See Figure 5)

Primary liquid waste storage from dairy cattle is stored in containment area north of main building shown in Figure 4.

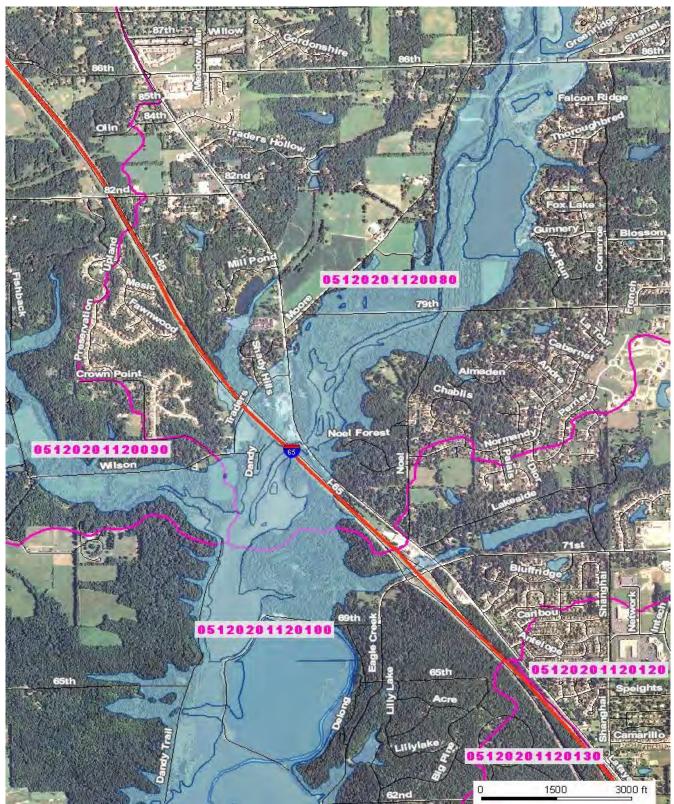


Figure 1 – General Location of Farm in Watershed



Figure 2 – Detailed Property Map of Elder Dairy (red border)

Goals

Working with the dairy manager, farm owner, and NRCS engineers, best management practices can be implemented to reduce nutrient and bacterial loads. A nutrient management plan should be completed for Traders Point Farm. Increasing liquid waste storage volume and separation of bacterial/nutrient runoff from storm water runoff should also be included in these practices. As the vast majority of pollutant sources are encompassed by this site, noticeable reductions should be apparent shortly after the installation of the proposed practices. It is hoped that construction can commence in the fall of 2011. This project would contribute greatly to achieving Goal 1 in Section XI of the 2005 Eagle Creek Watershed Management Plan.

Methods

Management practices that are considered for the site are:

- Comprehensive Nutrient Management Plan
- Improved Waste Storage Facility
 - 315,000 cubic feet additional storage
 - 2,000 gallon settling basin
- Improved Storm Water Management
 - 21,000 square feet of grassed waterway
 - 50 acres of cover crops
- Cattle Fencing and Stream Crossings
 - 950 feet of fencing

Additionally other crop residue and tillage practices will be added as needed. Reference Figure 6 for Conservation Plan areas and Figure 7 for Fencing and Stream Crossings.

Load Reductions

Accepted standard models indicate the following potential reductions using the management methods detailed above:

- 216 tons/year of soil and sediment
- 494 pounds/year of phosphorus
- 1917 pounds/year of nitrogen

While there are no standard models for E.coli reduction by specific agricultural BMP, it is anticipated that the installation of the above practices will eliminate this facility from being a net contributor to E.coli loads entering Eagle Creek Reservoir. Continued monitoring by the Marion County Health Department will be used to substantiate the E.coli load reductions. MCHD has been monitoring this site quarterly.

Implementation

As this is a site specific plan, the above BMPs, listed in Methods, will be done in a normal construction sequence, following the creation of the Comprehensive Nutrient Management Plan.

There are no additional funds required by this addendum to the Management Plan or existing grant funding.

Monitoring

Monitoring of this site will be done as described in the Management Plan, Section XI, as well as indicated in Adam Rickert's (MCHD) letter to the Elders (owner) dated January 27, 2010, see Figure 3. Quality Assurance Project Plan's exist in the Eagle Creek Watershed Management Plan and at the Marion County Board of Health.

This is a somewhat unique case in that site specific data exist so that before and after comparisons can easily be made to evaluate the actual results of the practices.

January 27, 2010

William and Nancy Elder 320 North Meridian Street Indianapolis IN 46204

Dear Mr. and Ms. Elder,

Per the Marion County Assessors office, you currently own the following parcels:

- Parcel 6000941, addresses listed include 8060, 8084, and 8102 Moore Road
- Parcel 6023959, addresses listed include 8222 and 8231 Moore Road

Our department samples and monitors surface (and ground) waters within Marion County, including several tributaries connected to Eagle Creek. Several drainage channels and small streams from the above parcels flow in an Easterly direction toward Eagle Creek. Over the last several months, our department has been sampling (see enclosed results) these streams/drainage channels, specifically for bacteriological (E. coli) and chemical parameters.

The sample results indicate a continuously elevated level of E. coli bacteria, Ortho Phosphate, and Ammonium several times the allowable limit as specified in 327 IAC 2-1-6, State of Indiana Minimum Surface Water Quality Standards. While the surface water standards are an important benchmark to gauge the quality of the water and to track improvements or deficiencies, it is not always feasible or realistic to achieve compliance within a short amount of time.

In an effort to initiate and facilitate continued improvements to the water quality within the Eagle Creek watershed, I have enclosed information on best management practices intended for livestock farms. The Eagle Creek Watershed Alliance (ECWA) is an available resource to aid in the implementation of best management practices. Cost share grants to help defray the cost of implementing a best management practice might be available through the ECWA as well; please contact Dr. Lenore Tedesco (317-274-3693) for further information.

If you and other vested parties are agreeable with moving forward with implementing one or more of the best management practices for these properties, I would like to continue monitoring this area to gauge the expected water quality benefits over time. I look forward to hearing from you, if you have any questions, please do not hesitate to call me directly at (317) 221-2298.

Sincerely,

Adam Rickert Manager, Water Quality and Hazardous Materials Management Bureau of Environmental Health

Figure 3 - Adam Rickert's Letter to Owners



Figure 4 Drainage Way from Dairy Operations MCHD Sample Site (between fence and roadway)

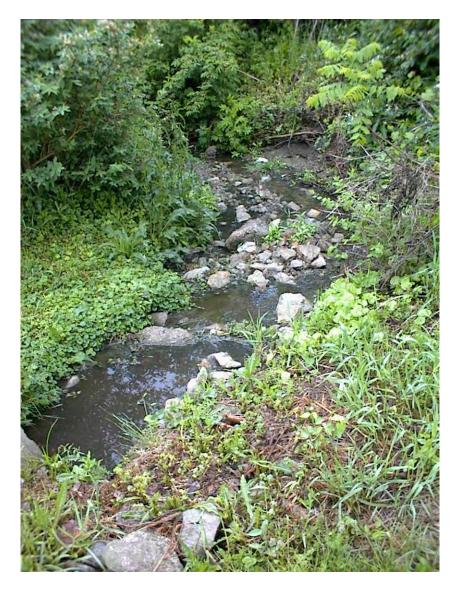


Figure 5 Culvert outlet under Moore Road Drainage from Elder Farm (Figure 4) flowing to Eagle Creek



Figure 6 Elder Dairy Conservation Plan

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Figure 7 Elder Dairy – Cattle Exclusion Fencing

ID	EM Water Quali	ity Targets
Parameter	Target	Reference/Other Information
Total Ammonia (NH3)	Range between 0.0 and 0.21 mg/L depending upon temperature and pH	Indiana Administrative Code (327 IAC 2-1-6
Atropine	Max: 3.0 ppb	U.S. EPA Drinking Water Standard
comrendation *	Min: 4.0 mg/L Max: 12.0 mg/L	Indiana Administrative Code (327 IAC 2-1-6
Dissolved Oxygen (DO)	Min: 6.0 mg/L in coldwater fishery streams	Indiana Administrative Code (327 IAC 2-1.5 8)
eunis (Dodds, W.K. et al., 1459, and in 1 <u>7A-872-8-9</u>)	Min: 7.0 mg/L in spawning areas of coldwater fishery streams	Indiana Administrative Code (327 IAC 2-1.5 8)
soomnended criteria for W m (WWH) headwater Sires	Max: 235 CFU/ 100mL in a single sample	Indiana Administrative Code (327 IAC 2-1.5 8)
E. coli	Max: <u>Geometric Mean</u> of 125 CFU/ 100mL from 5 equally spaced samples over a 30-day period	Indiana Administrative Code (327 IAC 2-1.5 8)
Nitrate	Max: 10 mg/L in waters designated as a drinking water source	Indiana Administrative Code (327 IAC 2-1-6
Nitrite	Max: 1 mg/L in waters designated as a drinking water source	Indiana Administrative Code (327 IAC 2-1-6
Nitrate-N + Nitrate-N	Max: 10 mg/L in waters designated as a drinking water source	Indiana Administrative Code (327 IAC 2-1-0
Temperature	Dependant on time of year and whether stream is designated as a cold water fisheries	Indiana Administrative Code (327 IAC 2-1-6
MDL criteria for protection	Max: 0.633 mg/L	U.S. EPA recommendation *
	Max: 1.0 mg/L	Ohio EPA recommended criteria for Warm Water Habitat (WWH) headwater streams in Ohio EPA Technical Bulletin MAS//1999-1- [PDF]
Nitrate-nitrogen (NO3)	1.5 mg/L	Dividing line between mesotrophic and eutrophic streams (Dodds, W.K. et al., 1998, Table 1, pg. 1459, and in EPA-822-B-00-002 [PDF], p 27.)
	$m m \sigma / r$	IDEM draft TMDL target based on drinking water targets

Figure 8 (a)

Parameter	Target	Reference/Other Information		
Ortho-Phosphate also known as Soluble reactive phosphorus (SRP)	Max: 0.005 mg/L	Wawasee Area Conservancy Foundation recommendation for lake systems, NESWP344		
Suspended Sediment	Max: 25.0 mg/L	U.S. EPA recommendation for excellent fisheries		
Concentration (SSC)	Range: 25.0-80.0 mg/L	U.S. EPA recommendation for good to moderate fisheries		
Total Kjeldahl Nitrogen (TKN)	Max: 0.591 mg/L	U.S. EPA recommendation *		
Iministrative Code (327 LAC 2-1	Max: 0.076 mg/L	U.S. EPA recommendation		
imiqistrative Code (3277AC 2-1	0.07 mg/L	Dividing line between mesotrophic and eutrophic streams (Dodds, W.K. et al., 1998, Table 1, pg. 1459, and in <u>EPA-822-B-00-002</u> [PDF], p 27.)		
Total Phosphorus	Max: 0.08 mg/L	Ohio EPA recommended criteria for Warn Water Habitat (WWH) headwater streams Ohio EPA Technical Bulletin MAS//1999. [PDF]		
a star in the second second reasons	Max: 0.3 mg/L	IDEM draft TMDL target		
iminicumive Code (327 TAC 2-1-	Max: 80.0 mg/L	Wawasee Area Conservancy Foundation recommendation to protect aquatic life in lak systems		
	Max: 30.0 mg/L	IDEM draft TMDL target from NPDES rule for lake dischargers in 327 IAC 5-10-4 re: monthly average for winter limits for small sanitary treatment plants		
Total Suspended Solids (TSS)	Range: 25.0-80.0 mg/L	Concentrations within this range reduce fish concentrations (Waters, T.F.,, 1995). Sediment in streams: sources, biological effects and control. American Fisheries Society, Bethesda, MD. 251 p.		
	Max: 40.0 mg/L	New Jersey criteria for warm water streams		
commendation.*	Max: 46.0 mg/L	Minnesota TMDL criteria for protection of fish/macroinvertebrate health		
Turbidity	Max: 25.0 NTU	Minnesota TMDL criteria for protection of fish/macroinvertebrate health		
	Max: 10.4 NTU	U.S. EPA recommendation		

* U.S. EPA recommended criteria are different for parts of southwest Indiana within Ecoregion IX. See Ecoregional Nutrient Criteria Documents for Rivers & Streams for more information.

Reference: http://www.in.gov/idem/6242.htm

Figure 8 (b)

Appendix A

Marion County Health Department Sample Reports from Moore Road Site



Phone: (317) 221-4670 Fax: (317) 221-4683

Sample Information							
Sample ID:	FH082409-2			Lab ID:	F0948505	501	
Sample Location:	8025 MOORE RD, INDIANAPOLIS, IN	46278					
Reason for Sampling:	Other		Sample	Description:	SW 8025 MOOI	RE RD	
Collection Information	n						
Collection:	MCHD-WQ/IAQ/HM 3838 North Rural Str Indianapolis, IN 462	eet, 5th Floor					
Collected By:	Fikru Hailu, M.P.H.,	C.H.M.M.		Date Received:	August 24	4, 2009	10:50
Date Collected:	August 24, 2009 10:	10					
Final Results							
Sample ID:	FH082409-2			Lab ID:	F0948505	501	
Matrix:	Surface Water			Date Completed	: August 24	4, 2009	11:40
Received on Ice, 2-8 degr	rees Celsius			Date Reported:	August 25	5, 2009	11:13
Test	Result	Report Limit	MDL	DF Prepared	Analyzed	Ву	Qual RegLmt
MICROBIOLOGY MPN Escherichia coli	8664 MPN/100mL	10		1	08/24/2009	IJ	235

Testing performed at Marion County Health Department Public Health Laboratory, ISDH# M-49-02, 3838 North Rural Street, Indianapolis, IN 46205

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Phone: (317) 221-4670 Fax: (317) 221-4683

Sample ID:	FH082409-2			Lab ID:	F0948505	501	
Sample Location:							
	8025 MOORE RD,						
	INDIANAPOLIS, IN	46278					
		40270					
Reason for Sampling:	Complaint		Sample D	Description:			
Final Results							
Sample ID:	FH082409-2			Lab ID:	F0948505	501	
Matrix:	Surface Water			Date Completed:	Septembe	r 2, 2009	16:44
Received on Ice, 2-8 degrees	Celsius			Date Reported:	Septembe	r 9, 2009	8:23
Test	Result	Report Limit	MDL	DF Prepared	Analyzed	By	Qual RegLm
1,1,2-Trichloroethane	BDL (<0.29 ug/L)	0.50	0.29	1	09/02/2009	ΤZ	
Trichloroethene	BDL (<0.29 ug/L)	0.50	0.29	1	09/02/2009	ΤZ	
Vinyl chloride	BDL (<0.16 ug/L)	0.50	0.16	1	09/02/2009	TZ	
o-Xylene	BDL (<0.21 ug/L)	0.50	0.21	1	09/02/2009	TZ	
n-Xylene	BDL (<0.23 ug/L)	0.50	0.23	1	09/02/2009	TZ	
Bromodichloromethane	BDL (<0.26 ug/L)	0.50	0.26	1	09/02/2009	TZ	
Bromoform	BDL (<0.47 ug/L)	0.50	0.47	1	09/02/2009	TZ	
Dibromochloromethane	BDL (<0.34 ug/L)	0.50	0.34	1	09/02/2009	TZ	
Chloroform	BDL (<0.16 ug/L)	0.50	0.16	1	09/02/2009	TZ	
Comment	Blank was BDL			1	09/02/2009	TZ	
METALS							
Analysis Desc: EPA 200.8	3	Analytical Method:	EPA 20	0.8			
Registration Number: EPA/ISD	H C-49-04						
Arsenic	3.0 ug/L	1.0	0.29	1	08/26/2009	ΤZ	
Barium	90.8 ug/L	4.0	0.47	1	08/26/2009	ΤZ	
Cadmium	BDL (<0.17 ug/L)	0.50	0.17	1	08/26/2009	ΤZ	
Chromium	BDL (<0.27 ug/L)	3.0	0.27	1	08/26/2009	ΤZ	
Mercury	BDL (<0.13 ug/L)	0.20	0.13	1	08/26/2009	ΤZ	
Lead	BDL (<0.10 ug/L)	2.0	0.10	1	08/26/2009	ΤZ	
Copper	BDL (<0.26 ug/L)	20.0	0.26	1	08/26/2009	ΤZ	
Nickel	BDL (<0.15 ug/L)	1.0	0.15	1	08/26/2009	ΤZ	
Zinc	BDL (<1.4 ug/L)	10.0	1.4	1	08/26/2009	ΤZ	
Calcium	93700 ug/L	1000	13	1	08/26/2009	ΤZ	
Magnesium	34900 ug/L	1000	1.4	1	08/26/2009	ΤZ	
Hardness ANIONS	378 mg/L CaCO3	7.0		1	08/26/2009	ΤZ	
Analysis Desc: EPA 300.0)	Analytical Method:	EPA 30	0.0			
Registration Number: EPA/ISD	H C-49-04						
Chloride	63.4 mg/L	2.0	0.065	1	08/25/2009	DW	
Nitrite	BDL (<0.010 mg/L)	0.20	0.010	1	08/25/2009	DW	
Nitrate	BDL (<0.025 mg/L)	0.20	0.025	1	08/25/2009	DW	
Ortho-Phosphate	2.1 mg/L	0.20	0.063	1	08/25/2009	DW	

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Phone: (317) 221-4670 Fax: (317) 221-4683

Sample Information							
Sample ID:	FH082409-2			Lab ID:	F0948505	501	
Sample Location:							
	8025 MOORE RD	,					
	INDIANAPOLIS,	IN 46278					
Reason for Sampling:	Complaint		Sample	Description:			
Final Results							
Sample ID:	FH082409-2			Lab ID:	F0948505	501	
Matrix:	Surface Water			Date Completed:	August 25	5,2009 1	6:26
Received on Ice, 2-8 degr	rees Celsius			Date Reported:	Septembe	er 9, 2009	8:23
Test	Result	Report Limit	MDL	DF Prepared	Analyzed	Ву	Qual RegLmt
Sulfate CATIONS	26.7 mg/L	2.0	0.13	1	08/25/2009	DW	
Ammonium	10.8 mg/L	0.40	0.076	2	08/28/2009	DW	

Testing performed at Marion County Health Department Public Health Laboratory, ISDH# M-49-02, 3838 North Rural Street, Indianapolis, IN 46205

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Marion County Health Department 3838 North Rural Street Indianapolis, IN 46205 Phone: (317) 221-4670

Fax: (317) 221-4683

Sample Information

Sample ID:	FH092409-1			Lab ID:	E0955241	01	
Sample Location:							
	8025 MOORE RD,						
	INDIANAPOLIS, IN	46278					
Reason for Sampling:	Survey		Sample	Description: d	litch		
Collection Information							
Collection:	MCHD-WQ/IAQ/HM	M					
	3838 North Rural Stre	et 5th Floor					
	Indianapolis, IN 4620						
	- ·				G (1	24.200	10.22
Collected By:	Fikru Hailu, M.P.H., O	С.Н.М.М.		Date Received:	Septembe	r 24, 200	09 10:33
Date Collected:	September 24, 2009	10:30					
Final Results							
Sample ID:	FH092409-1			Lab ID:	E0955241	01	
Matrix:	Surface Water			Date Completed:	October 1	4, 2009	11:54
Received on Ice, 2-8 degre	es Celsius				October 1		
Received on ice, 2-8 degre	tes Celsius			Date Reported:	October 1	3, 2009	10.00
Test	Result	Report Limit	MDL	DF Prepared	Analyzed	By	Qual RegLm
METALS							
Analysis Desc: EPA 200		Analytical Method:	EPA 2	200.8			
Analysis Desc: EPA 200 Registration Number: EPA/IS	SDH C-49-04	-		200.8	10/14/2009	DW	
Analysis Desc: EPA 200 Registration Number: EPA/IS Arsenic		Analytical Method: 1.0 4.0	EPA 2 0.29 0.47		10/14/2009 10/14/2009	DW DW	
Analysis Desc: EPA 200 Registration Number: EPA/IS Arsenic	SDH C-49-04 4.2 ug/L	1.0	0.29	1		DW DW DW	
Analysis Desc: EPA 200 Registration Number: EPA/IS Arsenic Barium Cadmium	SDH C-49-04 4.2 ug/L 242 ug/L	1.0 4.0	0.29 0.47	1 1	10/14/2009	DW	
Analysis Desc: EPA 200 Registration Number: EPA/IS Arsenic Barium Cadmium Chromium	SDH C-49-04 4.2 ug/L 242 ug/L BDL (<0.17 ug/L)	1.0 4.0 0.50	0.29 0.47 0.17	1 1 1	10/14/2009 10/14/2009	DW DW	
Analysis Desc: EPA 200 Registration Number: EPA/IS Arsenic Barium Cadmium Chromium Mercury	SDH C-49-04 4.2 ug/L 242 ug/L BDL (<0.17 ug/L) 3.2 ug/L BDL (<0.13 ug/L)	1.0 4.0 0.50 3.0	0.29 0.47 0.17 0.27 0.13	1 1 1	10/14/2009 10/14/2009 10/14/2009	DW DW DW DW	
Analysis Desc: EPA 200 Registration Number: EPA/IS Arsenic Barium Cadmium Chromium Mercury Lead	SDH C-49-04 4.2 ug/L 242 ug/L BDL (<0.17 ug/L) 3.2 ug/L BDL (<0.13 ug/L) 13.5 ug/L	1.0 4.0 0.50 3.0 0.20	0.29 0.47 0.17 0.27	1 1 1 1	10/14/2009 10/14/2009 10/14/2009 10/14/2009	DW DW DW DW DW	
Analysis Desc: EPA 200 Registration Number: EPA/IS Arsenic Barium Cadmium Chromium Mercury Lead Copper	SDH C-49-04 4.2 ug/L 242 ug/L BDL (<0.17 ug/L) 3.2 ug/L BDL (<0.13 ug/L) 13.5 ug/L 21.5 ug/L	1.0 4.0 0.50 3.0 0.20 2.0 20.0	0.29 0.47 0.17 0.27 0.13 0.10 0.26	1 1 1 1 1	10/14/2009 10/14/2009 10/14/2009 10/14/2009 10/14/2009	DW DW DW DW DW	
Analysis Desc: EPA 200 Registration Number: EPA/IS Arsenic Barium Cadmium Chromium Mercury Lead Copper Nickel	SDH C-49-04 4.2 ug/L 242 ug/L BDL (<0.17 ug/L) 3.2 ug/L BDL (<0.13 ug/L) 13.5 ug/L 21.5 ug/L 6.0 ug/L	1.0 4.0 0.50 3.0 0.20 2.0 20.0 1.0	0.29 0.47 0.17 0.27 0.13 0.10 0.26 0.15	1 1 1 1 1 1	10/14/2009 10/14/2009 10/14/2009 10/14/2009 10/14/2009 10/14/2009 10/14/2009	DW DW DW DW DW DW	
Analysis Desc: EPA 200 Registration Number: EPA/IS Arsenic Barium Cadmium Chromium Mercury Lead Copper Nickel Zinc	SDH C-49-04 4.2 ug/L 242 ug/L BDL (<0.17 ug/L) 3.2 ug/L BDL (<0.13 ug/L) 13.5 ug/L 21.5 ug/L 6.0 ug/L 97.1 ug/L	1.0 4.0 0.50 3.0 0.20 2.0 20.0 1.0 10.0	0.29 0.47 0.17 0.27 0.13 0.10 0.26 0.15 1.4	1 1 1 1 1 1 1	10/14/2009 10/14/2009 10/14/2009 10/14/2009 10/14/2009 10/14/2009 10/14/2009 10/14/2009	DW DW DW DW DW DW DW	
Analysis Desc: EPA 200 Registration Number: EPA/IS Arsenic Barium Cadmium Chromium Mercury Lead Copper Nickel Zinc Calcium	SDH C-49-04 4.2 ug/L 242 ug/L BDL (<0.17 ug/L) 3.2 ug/L BDL (<0.13 ug/L) 13.5 ug/L 21.5 ug/L 6.0 ug/L 97.1 ug/L 108000 ug/L	1.0 4.0 0.50 3.0 0.20 2.0 20.0 1.0	0.29 0.47 0.17 0.27 0.13 0.10 0.26 0.15	1 1 1 1 1 1 1 1	10/14/2009 10/14/2009 10/14/2009 10/14/2009 10/14/2009 10/14/2009 10/14/2009	DW DW DW DW DW DW DW DW	
Analysis Desc: EPA 200 Registration Number: EPA/IS Arsenic Barium Cadmium Chromium Mercury Lead Copper Nickel Zinc Calcium Magnesium	SDH C-49-04 4.2 ug/L 242 ug/L BDL (<0.17 ug/L) 3.2 ug/L BDL (<0.13 ug/L) 13.5 ug/L 21.5 ug/L 6.0 ug/L 97.1 ug/L	1.0 4.0 0.50 3.0 0.20 2.0 20.0 1.0 10.0 1000	0.29 0.47 0.17 0.27 0.13 0.10 0.26 0.15 1.4 13	1 1 1 1 1 1 1 1 1	10/14/2009 10/14/2009 10/14/2009 10/14/2009 10/14/2009 10/14/2009 10/14/2009 10/14/2009 10/14/2009	DW DW DW DW DW DW DW	
Analysis Desc: EPA 200 Registration Number: EPA/IS Arsenic Barium Cadmium Chromium Mercury Lead Copper Nickel Zinc	SDH C-49-04 4.2 ug/L 242 ug/L BDL (<0.17 ug/L) 3.2 ug/L BDL (<0.13 ug/L) 13.5 ug/L 21.5 ug/L 6.0 ug/L 97.1 ug/L 108000 ug/L 36900 ug/L	1.0 4.0 0.50 3.0 0.20 2.0 20.0 1.0 10.0 1000 1000	0.29 0.47 0.17 0.27 0.13 0.10 0.26 0.15 1.4 13	1 1 1 1 1 1 1 1 1 1	10/14/2009 10/14/2009 10/14/2009 10/14/2009 10/14/2009 10/14/2009 10/14/2009 10/14/2009 10/14/2009 10/14/2009	DW DW DW DW DW DW DW DW	
Analysis Desc: EPA 200 Registration Number: EPA/IS Arsenic Barium Cadmium Chromium Mercury Lead Copper Nickel Zinc Calcium Magnesium Hardness ANIONS	SDH C-49-04 4.2 ug/L 242 ug/L BDL (<0.17 ug/L) 3.2 ug/L BDL (<0.13 ug/L) 13.5 ug/L 21.5 ug/L 6.0 ug/L 97.1 ug/L 108000 ug/L 36900 ug/L 422 mg/L CaCO3	1.0 4.0 0.50 3.0 0.20 2.0 20.0 1.0 10.0 1000 1000	0.29 0.47 0.17 0.27 0.13 0.10 0.26 0.15 1.4 13 1.4	1 1 1 1 1 1 1 1 1 1 1	10/14/2009 10/14/2009 10/14/2009 10/14/2009 10/14/2009 10/14/2009 10/14/2009 10/14/2009 10/14/2009 10/14/2009	DW DW DW DW DW DW DW DW	
Analysis Desc: EPA 200 Registration Number: EPA/IS Arsenic Barium Cadmium Chromium Mercury Lead Copper Nickel Zinc Calcium Magnesium Hardness ANIONS	SDH C-49-04 4.2 ug/L 242 ug/L BDL (<0.17 ug/L) 3.2 ug/L BDL (<0.13 ug/L) 13.5 ug/L 21.5 ug/L 6.0 ug/L 97.1 ug/L 108000 ug/L 36900 ug/L 422 mg/L CaCO3 0.0	1.0 4.0 0.50 3.0 0.20 2.0 20.0 1.0 10.0 1000 7.0	0.29 0.47 0.17 0.27 0.13 0.10 0.26 0.15 1.4 13 1.4	1 1 1 1 1 1 1 1 1 1 1	10/14/2009 10/14/2009 10/14/2009 10/14/2009 10/14/2009 10/14/2009 10/14/2009 10/14/2009 10/14/2009 10/14/2009	DW DW DW DW DW DW DW DW	
Analysis Desc: EPA 200 Registration Number: EPA/IS Arsenic Barium Cadmium Chromium Mercury Lead Copper Nickel Zinc Calcium Magnesium Hardness ANIONS Analysis Desc: EPA 300	SDH C-49-04 4.2 ug/L 242 ug/L BDL (<0.17 ug/L) 3.2 ug/L BDL (<0.13 ug/L) 13.5 ug/L 21.5 ug/L 6.0 ug/L 97.1 ug/L 108000 ug/L 36900 ug/L 422 mg/L CaCO3 0.0	1.0 4.0 0.50 3.0 0.20 2.0 20.0 1.0 10.0 1000 7.0	0.29 0.47 0.17 0.27 0.13 0.10 0.26 0.15 1.4 13 1.4	1 1 1 1 1 1 1 1 1 1 1	10/14/2009 10/14/2009 10/14/2009 10/14/2009 10/14/2009 10/14/2009 10/14/2009 10/14/2009 10/14/2009 10/14/2009	DW DW DW DW DW DW DW DW	
Analysis Desc: EPA 200 Registration Number: EPA/IS Arsenic Barium Cadmium Chromium Mercury Lead Copper Nickel Zinc Calcium Magnesium Hardness ANIONS Analysis Desc: EPA 300 Registration Number: EPA/IS Chloride	SDH C-49-04 4.2 ug/L 242 ug/L BDL (<0.17 ug/L) 3.2 ug/L BDL (<0.13 ug/L) 13.5 ug/L 21.5 ug/L 6.0 ug/L 97.1 ug/L 108000 ug/L 36900 ug/L 422 mg/L CaCO3 0.0 SDH C-49-04	1.0 4.0 0.50 3.0 0.20 2.0 20.0 1.0 10.0 1000 7.0 Analytical Method:	0.29 0.47 0.17 0.27 0.13 0.10 0.26 0.15 1.4 13 1.4 EPA 3	1 1 1 1 1 1 1 1 1 300.0	10/14/2009 10/14/2009 10/14/2009 10/14/2009 10/14/2009 10/14/2009 10/14/2009 10/14/2009 10/14/2009 10/14/2009 10/14/2009	DW DW DW DW DW DW DW DW DW	
Analysis Desc: EPA 200 Registration Number: EPA/IS Arsenic Barium Cadmium Chromium Mercury Lead Copper Nickel Zinc Calcium Magnesium Hardness ANIONS Analysis Desc: EPA 300 Registration Number: EPA/IS	SDH C-49-04 4.2 ug/L 242 ug/L BDL (<0.17 ug/L) 3.2 ug/L BDL (<0.13 ug/L) 13.5 ug/L 21.5 ug/L 6.0 ug/L 97.1 ug/L 108000 ug/L 36900 ug/L 422 mg/L CaCO3 0.0 SDH C-49-04 113 mg/L	1.0 4.0 0.50 3.0 0.20 2.0 20.0 1.0 10.0 1000 7.0 Analytical Method: 2.0	0.29 0.47 0.17 0.27 0.13 0.10 0.26 0.15 1.4 13 1.4 EPA 3 0.065	1 1 1 1 1 1 1 1 1 300.0	10/14/2009 10/14/2009 10/14/2009 10/14/2009 10/14/2009 10/14/2009 10/14/2009 10/14/2009 10/14/2009 10/14/2009 10/14/2009	DW DW DW DW DW DW DW DW DW	
Analysis Desc: EPA 200 Registration Number: EPA/IS Arsenic Barium Cadmium Chromium Mercury Lead Copper Nickel Zinc Calcium Magnesium Hardness ANIONS Analysis Desc: EPA 300 Registration Number: EPA/IS Chloride Nitrite	SDH C-49-04 4.2 ug/L 242 ug/L BDL (<0.17 ug/L) 3.2 ug/L BDL (<0.13 ug/L) 13.5 ug/L 21.5 ug/L 6.0 ug/L 97.1 ug/L 108000 ug/L 36900 ug/L 36900 ug/L 422 mg/L CaCO3 0.0 SDH C-49-04 113 mg/L BDL (<0.010 mg/L)	1.0 4.0 0.50 3.0 0.20 2.0 20.0 1.0 10.0 1000 7.0 Analytical Method: 2.0 0.20	0.29 0.47 0.17 0.27 0.13 0.10 0.26 0.15 1.4 13 1.4 EPA 3 0.065 0.010	1 1 1 1 1 1 1 1 1 300.0 1 1	10/14/2009 10/14/2009 10/14/2009 10/14/2009 10/14/2009 10/14/2009 10/14/2009 10/14/2009 10/14/2009 10/14/2009 10/14/2009	DW DW DW DW DW DW DW DW DW DW DW	

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Phone: (317) 221-4670 Fax: (317) 221-4683

Sample Information							
Sample ID:	FH092409-1			Lab ID:	E095524	101	
Sample Location:	8025 MOORE RD, INDIANAPOLIS, 1						
Reason for Sampling:	Survey		Sample	Description:	ditch		
Final Results							
Sample ID:	FH092409-1			Lab ID:	E095524	101	
Matrix:	Surface Water			Date Completed	: October 1	5, 2009	7:16
Received on Ice, 2-8 degr	rees Celsius			Date Reported:	October 1	5, 2009	10:00
Test	Result	Report Limit	MDL	DF Prepared	Analyzed	By	Qual RegLmt
CATIONS Ammonium	52.3 mg/L	2.0	0.38	10	10/15/2009	ND	

Testing performed at Marion County Health Department Public Health Laboratory, ISDH# M-49-02, 3838 North Rural Street, Indianapolis, IN 46205

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Addendum-2005 Eagle Creek Watershed Management Plan

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Marion County Health Department 3838 North Rural Street Indianapolis, IN 46205 Phone: (317) 221-4670

Fax: (317) 221-4683

Sample Information E096335401 FI4110309-2 Lab ID: Sample ID: Sample Location: 8025 MOORE RD. INDIANAPOLIS, IN 46278 Survey Sample Description: ditch Reason for Sampling: **Final Results** E096335401 FH110309-2 Lab ID: Sample ID: November 7, 2009 3:04 Surface Water Date Completed: Matrix: Date Reported: November 12, 2009 7:30 Received on Ice. 2-8 degrees Celsius Qual Regi.mt Result Report Limit MDL. DF Prepared Analyzed By Test 11/07/2009 1,1,2-Trichloroethane BDL (<0.29 ug/L) 0.50 0.29 1 DW 0.50 0.29 11/07/2009 DW BDL (<0.29 ug/L) 1 Trichloroethene 11/07/2009 BDL (<0.16 ug/L) 0.50 0.16 1 DW Vinyl chloride 11/07/2009 0.21 DW o-Xylene BDL (<0.21 ug/L) 0.50 1 BDL (<0.23 ug/L) 11/07/2009 0.50 0.23 1 DW m-Xylene BDL (<0.26 ug/L) 0.50 0.26 11/07/2009 DW 1 Bromodichloromethane 11/07/2009 Bromoform BDL (<0.47 ug/L) 0.50 0.47 1 DW 11/07/2009 DW 0.50 0.34 1 Dibromochloromethane BDL (<0.34 ug/L) 11/07/2009 BDL (<0.16 ug/L) 0.50 0.16 1 DW Chloroform Comment 1 11/07/2009 DW No duplicate sample run. METALS Analytical Method: EPA 200.8 Analysis Desc: EPA 200.8 Registration Number: EPA/ISDH C-49-04 11/06/2009 ND 3.7 ug/L 1.0 0.29 Arsenic 0.47 11/06/2009 ND Barium 121 ug/L 4.0 1 11/06/2009 BDL (<0.17 ug/L) 0.50 0,17 ND 1 Cadmium Chromium BDL (<0.27 ug/L) 3.0 0.27 11/06/2009 ND 11/06/2009 BDL (<0.13 ug/L) 0.20 ND Mercury 0.13 1 BDL (<0.10 ug/L) 0.10 11/06/2009 ND 2.0 Lead 1 BDL (<0.26 ug/L) 20.0 0.26 11/06/2009 ND Copper 1 Nickel 2.5 ug/L 1.0 0.15 1 11/06/2009 ND 23.4 ug/L 10.0 1.4 11/06/2009 ND Zinc A. 1000 13 11/06/2009 117000 ug/L 1 ND Calcium Magnesium 39400 ug/L 1000 1.4 11/06/2009 ND 1 11/06/2009 ND Hardness 454 mg/L CaCO3 7.0 CATIONS 5.5 mg/L 0.20 0.038 11/10/2009 TZ Ammonium e 20 ANIONS Analytical Method: EPA 300.0 Analysis Desc: EPA 300.0 Registration Number: EPA/ISDH C-49-04 Chloride 63.9 mg/L 2.0 0.065 11/04/2009 ND

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and the second se							a browned.
					3838 North	nty Health D Rural Stree s. IN 46205	
MARION COUNTY					Phone: (31 Fax: (317)	7) 221-4670 221-4583	
Sample Information			-				
Sample ID:	FH110309-2			Lub ID:	E0963354	101	
Sample Location:	8025 MOORE RD. INDIANAPOLIS, IN	46278					
Reason for Sampling:	Survey		Sample	Description: di	itch		
Final Results	-			-			
Sample ID:	FH110309-2		-	Lab ID:	E0963354	101	
Matrix:	Surface Water			Date Completed:	Novembe	r 4. 2009	19:44
Received on Ice, 2-8 deg	rees Celsius			Date Reported:	Novembe	r 12, 2009	7:30
Test	Result	Report Limit	MDL	DF Prepared	Analyzed	By	Qual RegLmt
Nitrite Nitrate Ortho-Phosphate Sulfate	BDL (<0.010 mg/L) 1.0 mg/L (1.6 mg/L 63.0 mg/L	0.20 0.20 0.20 2.0	0.010 0.025 0.063 0.13	1 1 1 1	11/04/2009 11/04/2009 11/04/2009 11/04/2009	ND ND ND	
	n County Health Department P			H# M-49-02, 3838 Nor	th Rural Street, I	ndianapolis	, IN
	CERT	IFICATE OF AN	ALYSIS		th Rural Street, I	ndianapolis	, IN
Testing performed at Marior 46205	CERT	IFICATE OF AN shall not be repro	ALYSIS	ept in full,	th Rural Street, I	ndianapolis	, IN Page 3 of 3

MARION COUNTY ACTOR STATUTE			Marion County Health Department 3838 North Rural Street Indianapolis, IN 46205 Phone: (317) 221-4670 Fax: (217) 221-4683
Sample Information			12096335401
Sample ID:	FH110309-2	Lab ID;	1090303401
Sample Location:	8025 MOORE RD, INDIANAPOLIS, IN 46278		
Reason for Sampling:	Survey	Sample Description:	Surface water
Collection Information	1		
Collection:	MCHD-WQ/IAQ/HMM 3838 North Rural Street. 5th Floor Indianapolis, IN 46205		
Collected By:	Fikru Hailu, M.P.H., C.H.M.M.	Date Received:	November 3, 2009 11:48
Date Collected:	November 3, 2009 10:45		
Final Results			
Sample ID:	FH110309-2	Lab 1D:	E096335401
Matrix:	Surface Water	Date Completed	November 3, 2009 0:00
Received on Ice. 2-8 deg	rees Celsius	Date Reported:	November 6, 2009 13:45
Test	Result Report Limit	MDL DF Prepared	Analyzed By Qual Re
MICROBIOLOGY MPN Escherichia coli	24192 MPN/100mL 10	1	11/03/2009 AC

Testing performed at Marion County Health Department Public Health Laboratory, ISDH# M-49-02, 3838 North Rural Street, Indianapolis, IN 46205

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Marion County Health Department 3838 North Rural Street

Indianapolis, IN 46205

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						and the second
FH113009-1			Lab ID:	F0967638	01	
8025 MOORE RD, INDIANAPOLIS, IN	46278					
Survey		Sample	Description: d	itch		
FH113009-1			Lab ID:	F0967638	601	
Surface Water			Date Completed:	December	2, 2009	17:05
ees Celsius			Date Reported:	December	11, 200	9 11:12
Result	Report Limit	MDL	DF Prepared	Analyzed	By	Qual RegLmt
13.3 mg/L	0.20	0.063	1	12/02/2009	ΤZ	
	8025 MOORE RD, INDIANAPOLIS, IN Survey FH113009-1 Surface Water ces Celsius Result	8025 MOORE RD, INDIANAPOLIS, IN 46278 Survey FH113009-1 Surface Water ces Celsius Result Report Limit	8025 MOORE RD, INDIANAPOLIS, IN 46278 Survey Sample FH113009-1 Surface Water ces Celsius Result Report Limit MDL	8025 MOORE RD, INDIANAPOLIS, IN 46278 Survey Sample Description: d FH113009-1 Lab ID: Surface Water Date Completed: cess Celsius Date Reported: Result Report Limit MDL DF Prepared 13.3 mg/L 0.20 0.063 1	8025 MOORE RD, INDIANAPOLIS, IN 46278 Survey Sample Description: ditch FH113009-1 Lab ID: F0967638 Surface Water Date Completed: December cess Celsius Date Reported: December Result Report Limit MDL DF Prepared Analyzed 13.3 mg/L 0.20 0.063 1 12/02/2009	8025 MOORE RD, INDIANAPOLIS, IN 46278 Survey Sample Description: ditch FH113009-1 Lab ID: F096763801 Surface Water Date Completed: December 2, 2009 cess Celsius Date Reported: December 11, 200 Result Report Limit MDL DF Prepared Analyzed By

Testing performed at Marion County Health Department Public Health Laboratory, ISDH# M-49-02, 3838 North Rural Street, Indianapolis, IN 46205

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Phone: (317) 221-4670 Fax: (317) 221-4683

Sample ID:	FH113009-1		I	Lab ID:	F0967638	301	
Sample Location:							
Sample Location.	8025 MOORE RD.						
	INDIANAPOLIS, IN	1 46278					
	INDIANAPOLIS, IN	402/8					
Reason for Sampli	ng: Survey		Sample De	escription: d	litch		
Collection Inform	nation						
Collection:	MCHD-WQ/IAQ/HN	лм					
oomoonom.	3838 North Rural Str						
	Indianapolis, IN 462	05					
Collected By:	Fikru Hailu, M.P.H.,	C.H.M.M.	Γ	Date Received:	Novembe	r 30, 200	9 12:03
Date Collected:	November 30, 2009	15:00					
Final Results							
Sample ID:	FH113009-1		L	ab ID:	F0967638	01	
Matrix:	Surface Water		Ľ	Date Completed:	December	4, 2009	15:28
Received on Ice, 2-	8 degrees Celsius		Ľ	Date Reported:	December	11, 2009	9 11:12
-		Den est Limit					
Test	8 degrees Celsius Result	Report Limit	MDL	Date Reported: DF Prepared	December	By	Qual RegLm
Test	Result		MDL	DF Prepared			
Test METALS Analysis Desc:	Result EPA 200.8	Report Limit		DF Prepared			
Test METALS Analysis Desc: Registration Number:	Result EPA 200.8 EPA/ISDH C-49-04	Analytical Method:	MDL EPA 200	DF Prepared	Analyzed	By	
Test METALS Analysis Desc: Registration Number: Arsenic	Result EPA 200.8 EPA/ISDH C-49-04 4.8 ug/L	Analytical Method:	MDL	DF Prepared	Analyzed 12/04/2009	By	
Test METALS Analysis Desc: Registration Number: Arsenic Barium	Result EPA 200.8 EPA/ISDH C-49-04 4.8 ug/L 158 ug/L	Analytical Method: 1.0 4.0	MDL EPA 200 0.29 0.47	DF Prepared .8 1 1	Analyzed 12/04/2009 12/04/2009	By ND ND	
Test METALS Analysis Desc: Registration Number: Arsenic Barium Cadmium	Result EPA 200.8 EPA/ISDH C-49-04 4.8 ug/L 158 ug/L BDL (<0.17 ug/L)	Analytical Method: 1.0 4.0 0.50	MDL EPA 200 0.29 0.47 0.17	DF Prepared	Analyzed 12/04/2009 12/04/2009 12/04/2009	By ND ND ND	
Test METALS Analysis Desc: Registration Number: Arsenic Barium Cadmium Chromium	Result EPA 200.8 EPA/ISDH C-49-04 4.8 ug/L 158 ug/L BDL (<0.17 ug/L) BDL (<0.27 ug/L)	Analytical Method: 1.0 4.0 0.50 3.0	MDL EPA 200 0.29 0.47	DF Prepared .8 1 1 1	Analyzed 12/04/2009 12/04/2009 12/04/2009 12/04/2009	By ND ND ND ND	
Test METALS Analysis Desc: Registration Number: Arsenic Barium Cadmium Chromium Mercury	Result EPA 200.8 EPA/ISDH C-49-04 4.8 ug/L 158 ug/L BDL (<0.17 ug/L) BDL (<0.27 ug/L) BDL (<0.13 ug/L)	Analytical Method: 1.0 4.0 0.50 3.0 0.20	MDL EPA 200 0.29 0.47 0.17 0.27 0.13	DF Prepared .8 1 1 1 1 1 1	Analyzed 12/04/2009 12/04/2009 12/04/2009 12/04/2009 12/04/2009	By ND ND ND ND ND	
Test METALS Analysis Desc: Registration Number Arsenic Barium Cadmium Cadmium Chromium Mercury Lead	Result EPA 200.8 : EPA/ISDH C-49-04 4.8 ug/L 158 ug/L BDL (<0.17 ug/L) BDL (<0.27 ug/L) BDL (<0.13 ug/L) BDL (<0.10 ug/L)	Analytical Method: 1.0 4.0 0.50 3.0 0.20 2.0	MDL EPA 200 0.29 0.47 0.17 0.27 0.13 0.10	DF Prepared .8 1 1 1 1 1 1 1 1	Analyzed 12/04/2009 12/04/2009 12/04/2009 12/04/2009 12/04/2009 12/04/2009	By ND ND ND ND ND ND	
Test METALS Analysis Desc: Registration Number Arsenic Barium Cadmium Cadmium Chromium Mercury Lead Copper	Result EPA 200.8 EPA/ISDH C-49-04 4.8 ug/L 158 ug/L BDL (<0.17 ug/L) BDL (<0.27 ug/L) BDL (<0.13 ug/L) BDL (<0.10 ug/L) 129 ug/L	Analytical Method: 1.0 4.0 0.50 3.0 0.20 2.0 20.0	MDL EPA 200 0.29 0.47 0.17 0.27 0.13 0.10 0.26	DF Prepared .8 1 1 1 1 1 1 1 1 1	Analyzed 12/04/2009 12/04/2009 12/04/2009 12/04/2009 12/04/2009 12/04/2009 12/04/2009	By ND ND ND ND ND ND ND	
Test METALS Analysis Desc: Registration Number Arsenic Barium Cadmium Cadmium Chromium Mercury Lead Copper Nickel	Result EPA 200.8 EPA/ISDH C-49-04 4.8 ug/L 158 ug/L BDL (<0.17 ug/L) BDL (<0.27 ug/L) BDL (<0.13 ug/L) BDL (<0.10 ug/L) 129 ug/L 3.2 ug/L	Analytical Method: 1.0 4.0 0.50 3.0 0.20 2.0 2.0 20.0 1.0	MDL EPA 200 0.29 0.47 0.17 0.27 0.13 0.10	DF Prepared .8 1 1 1 1 1 1 1 1	Analyzed 12/04/2009 12/04/2009 12/04/2009 12/04/2009 12/04/2009 12/04/2009 12/04/2009 12/04/2009	By ND ND ND ND ND ND ND ND	
Fest METALS Analysis Desc: Registration Number: Arsenic Barium Cadmium Cadmium Chromium Mercury .ead Copper Nickel Zinc	Result EPA 200.8 EPA/ISDH C-49-04 4.8 ug/L 158 ug/L BDL (<0.17 ug/L) BDL (<0.27 ug/L) BDL (<0.13 ug/L) BDL (<0.10 ug/L) 129 ug/L	Analytical Method: 1.0 4.0 0.50 3.0 0.20 2.0 20.0	MDL EPA 200 0.29 0.47 0.17 0.27 0.13 0.10 0.26 0.15	DF Prepared .8 1 1 1 1 1 1 1 1 1 1 1	Analyzed 12/04/2009 12/04/2009 12/04/2009 12/04/2009 12/04/2009 12/04/2009 12/04/2009 12/04/2009 12/04/2009	By ND ND ND ND ND ND ND ND ND	
Fest METALS Analysis Desc: Registration Number: Arsenic Barium Cadmium Cardmium Mercury Lead Copper Vickel Zinc Calcium	Result EPA 200.8 EPA/ISDH C-49-04 4.8 ug/L 158 ug/L BDL (<0.17 ug/L) BDL (<0.17 ug/L) BDL (<0.13 ug/L) BDL (<0.10 ug/L) 129 ug/L 3.2 ug/L 96.6 ug/L 97700 ug/L	Analytical Method: 1.0 4.0 0.50 3.0 0.20 2.0 20.0 1.0 1.0 10.0 1000	MDL EPA 200 0.29 0.47 0.17 0.27 0.13 0.10 0.26 0.15 1.4 13	DF Prepared .8 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Analyzed 12/04/2009 12/04/2009 12/04/2009 12/04/2009 12/04/2009 12/04/2009 12/04/2009 12/04/2009 12/04/2009 12/04/2009	By ND ND ND ND ND ND ND ND ND ND	
Fest METALS Analysis Desc: Registration Number: Arsenic Barium Cadmium Cardmium Mercury Lead Copper Vickel Zinc Calcium Magnesium	Result EPA 200.8 EPA/ISDH C-49-04 4.8 ug/L 158 ug/L BDL (<0.17 ug/L) BDL (<0.17 ug/L) BDL (<0.13 ug/L) BDL (<0.10 ug/L) 129 ug/L 3.2 ug/L 96.6 ug/L 97700 ug/L 37200 ug/L	Analytical Method: 1.0 4.0 0.50 3.0 0.20 2.0 20.0 1.0 10.0	MDL EPA 200 0.29 0.47 0.17 0.27 0.13 0.10 0.26 0.15 1.4	DF Prepared .8 1 1 1 1 1 1 1 1 1 1 1 1	Analyzed 12/04/2009 12/04/2009 12/04/2009 12/04/2009 12/04/2009 12/04/2009 12/04/2009 12/04/2009 12/04/2009 12/04/2009	By ND ND ND ND ND ND ND ND ND ND ND	
Fest METALS Analysis Desc: Registration Number: Arsenic Barium Cadmium Cadmium Chromium Mercury Lead Copper Nickel Zinc Calcium Magnesium Hardness	Result EPA 200.8 EPA/ISDH C-49-04 4.8 ug/L 158 ug/L BDL (<0.17 ug/L) BDL (<0.17 ug/L) BDL (<0.13 ug/L) BDL (<0.10 ug/L) 129 ug/L 3.2 ug/L 96.6 ug/L 97700 ug/L	Analytical Method: 1.0 4.0 0.50 3.0 0.20 2.0 2.0 20.0 1.0 1.0 10.0 1000 1000	MDL EPA 200 0.29 0.47 0.17 0.27 0.13 0.10 0.26 0.15 1.4 13	DF Prepared .8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Analyzed 12/04/2009 12/04/2009 12/04/2009 12/04/2009 12/04/2009 12/04/2009 12/04/2009 12/04/2009 12/04/2009 12/04/2009	By ND ND ND ND ND ND ND ND ND ND	
Test METALS Analysis Desc: Registration Numbers Arsenic Barium Cadmium Cadmium Mercury Lead Copper Vickel Zinc Calcium Magnesium Hardness CATIONS	Result EPA 200.8 EPA/ISDH C-49-04 4.8 ug/L 158 ug/L BDL (<0.17 ug/L) BDL (<0.17 ug/L) BDL (<0.13 ug/L) BDL (<0.10 ug/L) 129 ug/L 3.2 ug/L 96.6 ug/L 97700 ug/L 37200 ug/L	Analytical Method: 1.0 4.0 0.50 3.0 0.20 2.0 2.0 20.0 1.0 1.0 10.0 1000 1000	MDL EPA 200 0.29 0.47 0.17 0.27 0.13 0.10 0.26 0.15 1.4 13	DF Prepared .8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Analyzed 12/04/2009 12/04/2009 12/04/2009 12/04/2009 12/04/2009 12/04/2009 12/04/2009 12/04/2009 12/04/2009 12/04/2009	By ND ND ND ND ND ND ND ND ND ND ND	
Test METALS Analysis Desc: Registration Number Arsenic Barium Cadmium Cadmium Chromium Mercury Lead Copper Nickel Zinc Calcium Magnesium Hardness CATIONS Ammonium	Result EPA 200.8 EPA/ISDH C-49-04 4.8 ug/L BDL (<0.17 ug/L) BDL (<0.17 ug/L) BDL (<0.13 ug/L) BDL (<0.10 ug/L) 129 ug/L 3.2 ug/L 96.6 ug/L 97700 ug/L 37200 ug/L 397 mg/L CaCO3	Analytical Method: 1.0 4.0 0.50 3.0 0.20 2.0 20.0 1.0 1.0 10.0 1000 1000 7.0	MDL EPA 200 0.29 0.47 0.17 0.27 0.13 0.10 0.26 0.15 1.4 13 1.4	DF Prepared .8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Analyzed 12/04/2009 12/04/2009 12/04/2009 12/04/2009 12/04/2009 12/04/2009 12/04/2009 12/04/2009 12/04/2009 12/04/2009 12/04/2009	By ND ND ND ND ND ND ND ND ND ND ND	
Fest METALS Analysis Desc: Registration Number: Arsenic Barium Cadmium Caromium Mercury Lead Copper Nickel Zinc Calcium Magnesium Hardness CATIONS Ammonium ANIONS Analysis Desc:	Result EPA 200.8 EPA/ISDH C-49-04 4.8 ug/L 158 ug/L BDL (<0.17 ug/L)	Analytical Method: 1.0 4.0 0.50 3.0 0.20 2.0 20.0 1.0 1.0 10.0 1000 1000 7.0	MDL EPA 200 0.29 0.47 0.17 0.27 0.13 0.10 0.26 0.15 1.4 13 1.4	DF Prepared .8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Analyzed 12/04/2009 12/04/2009 12/04/2009 12/04/2009 12/04/2009 12/04/2009 12/04/2009 12/04/2009 12/04/2009 12/04/2009 12/04/2009	By ND ND ND ND ND ND ND ND ND ND ND	
Test METALS Analysis Desc: Registration Number: Arsenic Barium Cadmium Chromium Mercury Lead Copper Nickel Zinc Calcium Magnesium Hardness CATIONS Ammonium ANIONS Analysis Desc:	Result EPA 200.8 EPA/ISDH C-49-04 4.8 ug/L 158 ug/L BDL (<0.17 ug/L)	Analytical Method: 1.0 4.0 0.50 3.0 0.20 2.0 2.0 20.0 1.0 1.0 1000 1000 7.0 0.20 Analytical Method:	MDL EPA 200 0.29 0.47 0.17 0.27 0.13 0.10 0.26 0.15 1.4 13 1.4 13 1.4 0.038 EPA 300.	DF Prepared .8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Analyzed 12/04/2009 12/04/2009 12/04/2009 12/04/2009 12/04/2009 12/04/2009 12/04/2009 12/04/2009 12/04/2009 12/04/2009 12/04/2009 12/04/2009	By ND ND ND ND ND ND ND ND ND ND TZ	
Registration Number Arsenic Barium Cadmium Chromium Mercury Lead Copper Nickel Zinc Calcium Magnesium Hardness CATIONS Ammonium ANIONS Analysis Desc:	Result EPA 200.8 EPA/ISDH C-49-04 4.8 ug/L 158 ug/L BDL (<0.17 ug/L)	Analytical Method: 1.0 4.0 0.50 3.0 0.20 2.0 2.0 1.0 1.0 10.0 1000 1000 7.0 0.20	MDL EPA 200 0.29 0.47 0.17 0.27 0.13 0.10 0.26 0.15 1.4 13 1.4 13 1.4	DF Prepared .8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Analyzed 12/04/2009 12/04/2009 12/04/2009 12/04/2009 12/04/2009 12/04/2009 12/04/2009 12/04/2009 12/04/2009 12/04/2009 12/04/2009	By ND ND ND ND ND ND ND ND ND ND ND	



Phone: (317) 221-4670 Fax: (317) 221-4683

Sample Information								
Sample ID:	FH113009-1			Lab ID:	F096763	801		
Sample Location:	8025 MOORE RI INDIANAPOLIS							
Reason for Sampling:			Sample	Description:	sw			
Collection Information	1							
Collection:	MCHD-WQ/IAQ 3838 North Rura Indianapolis, IN	Street, 5th Floor						
Collected By:	Fikru Hailu, M.P.	H., C.H.M.M.		Date Received:	Novembe	November 30, 2009 15:22		
Date Collected:	November 30, 20	09 15:00						
Final Results								
Sample ID:	FH113009-1			Lab ID:	F096763	801		
Matrix:	Surface Water			Date Completed:	Novembe	er 30, 2009	2:00	
				Date Reported:	Decembe	r 1, 2009	10:01	
Test	Result	Report Limit	MDL	DF Prepared	Analyzed	Ву	Qual RegLmt	
MICROBIOLOGY MPN Escherichia coli	>24192	10		1	11/30/2009	JJ	235	

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Phone: (317) 221-4670 Fax: (317) 221-4683

Sample ID:	FH012010-1			Lab ID:	E1002544	401	
Sample Location:							
	8102 MOORE RI),					
	INDIANAPOLIS	, IN 46278					
Reason for Sampling:	Survey		Sample	Description: N	400SE		
Collection Information	n						
Collection:	MCHD-WQ/IAQ	/HMM					
	3838 North Rural	Street, 5th Floor					
	Indianapolis, IN	46205					
Collected By:	Fikru Hailu, M.P.	Н., С.Н.М.М.		Date Received:	January 2	0, 2010	10:32
Date Collected:	January 20, 2010	10:20					
Final Results							
Sample ID:	FH012010-1			Lab ID:	E1002544	401	
Matrix:	Surface Water			Date Completed:	January 2	0, 2010	0:00
Received on Ice, 2-8 deg	rees Celsius			Date Reported:	January 2	1, 2010	11:27
Test	Result	Report Limit	MDL	DF Prepared	Analyzed	By	Qual RegLm
MICROBIOLOGY							
MPN Escherichia coli	>24192	10		1	01/20/2010	DG	235

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Sample ID:	FH012010-1		1	Lab ID:	E1002544	-01	
Sample Location:							
Sumple Location.	8102 MOORE RD,						
	INDIANAPOLIS, IN	46278					
	INDIANAI OLIS, IN	40276					
Reason for Sampling:	Survey		Sample De	escription: I	Ditch		
Collection Information	ı						
Collection:	MCHD-WQ/IAQ/HN	4M					
	3838 North Rural Str	eet. 5th Floor					
	Indianapolis, IN 462						
	-						
Collected By:	Fikru Hailu, M.P.H.,	С.Н.М.М.	1	Date Received:	January 2	0, 2010	11:18
Date Collected:	January 20, 2010 10:	20					
Final Results							
Sample ID:	FH012010-1		I	Lab ID:	E1002544	01	
Matrix:	Surface Water		I	Date Completed:	January 2	2, 2010	10:48
Received on Ice, 2-8 degr	ees Celsius		1	Date Reported:	January 2	7, 2010	10:48
		Report Limit					
Test	ees Celsius Result	Report Limit	I MDL	Date Reported: DF Prepared	January 2 Analyzed	7, 2010 By	10:48 Qual RegLmt
Test METALS	Result		MDL	DF Prepared			
Test METALS Analysis Desc: EPA 20	Result	Report Limit Analytical Method:		DF Prepared			
Test METALS Analysis Desc: EPA 20 Registration Number: EPA/I	Result		MDL	DF Prepared			
Test METALS Analysis Desc: EPA 20 Registration Number: EPA/I Arsenic	Result)0.8 ISDH C-49-04	Analytical Method:	MDL EPA 200	DF Prepared	Analyzed	By	
Test METALS Analysis Desc: EPA 20 Registration Number: EPA/I Arsenic Barium	Result)0.8 ISDH C-49-04 2.0 ug/L	Analytical Method:	MDL EPA 200 0.29	DF Prepared	Analyzed 01/22/2010	By TZ	
Test METALS Analysis Desc: EPA 20 Registration Number: EPA/I Arsenic Barium Ammonium	Result)0.8 ISDH C-49-04 2.0 ug/L 780 ug/L	Analytical Method: 1.0 4.0	MDL EPA 200 0.29 0.47	DF Prepared 0.8 1 1	Analyzed 01/22/2010 01/22/2010	By TZ TZ	
Test METALS Analysis Desc: EPA 20 Registration Number: EPA/I Arsenic Barium Ammonium Cadmium	Result)0.8 ISDH C-49-04 2.0 ug/L 780 ug/L 7.0 mg/L	Analytical Method: 1.0 4.0 1.0	MDL EPA 200 0.29 0.47 0.19	DF Prepared 0.8 1 1 5	Analyzed 01/22/2010 01/22/2010 01/25/2010	By TZ TZ DW	
Test METALS Analysis Desc: EPA 20 Registration Number: EPA/I Arsenic Barium Ammonium Cadmium Chromium	Result)0.8 ISDH C-49-04 2.0 ug/L 780 ug/L 7.0 mg/L BDL (<0.17 ug/L)	Analytical Method: 1.0 4.0 1.0 0.50	MDL EPA 200 0.29 0.47 0.19 0.17	DF Prepared 0.8 1 1 5 1	Analyzed 01/22/2010 01/22/2010 01/25/2010 01/22/2010	By TZ TZ DW TZ	
Test METALS Analysis Desc: EPA 20 Registration Number: EPA/I Arsenic Barium Ammonium Cadmium Chromium Mercury	Result)0.8 ISDH C-49-04 2.0 ug/L 780 ug/L 7.0 mg/L BDL (<0.17 ug/L) BDL (<0.27 ug/L)	Analytical Method: 1.0 4.0 1.0 0.50 3.0	MDL EPA 200 0.29 0.47 0.19 0.17 0.27	DF Prepared 0.8 1 1 5 1 1 1	Analyzed 01/22/2010 01/22/2010 01/25/2010 01/22/2010 01/22/2010	By TZ TZ DW TZ TZ	
Test METALS Analysis Desc: EPA 20 Registration Number: EPA/I Arsenic Barium Ammonium Cadmium Chromium Mercury Lead	Result)0.8 ISDH C-49-04 2.0 ug/L 780 ug/L 7.0 mg/L BDL (<0.17 ug/L) BDL (<0.27 ug/L) BDL (<0.13 ug/L)	Analytical Method: 1.0 4.0 1.0 0.50 3.0 0.20	MDL EPA 200 0.29 0.47 0.19 0.17 0.27 0.13	DF Prepared 0.8 1 1 5 1 1 1 1	Analyzed 01/22/2010 01/22/2010 01/25/2010 01/22/2010 01/22/2010 01/22/2010	By TZ TZ DW TZ TZ TZ	
Test METALS Analysis Desc: EPA 20 Registration Number: EPA/I Arsenic Barium Ammonium Cadmium Chromium Mercury Lead Copper	Result)0.8 ISDH C-49-04 2.0 ug/L 780 ug/L 7.0 mg/L BDL (<0.17 ug/L) BDL (<0.27 ug/L) BDL (<0.13 ug/L) 445 ug/L	Analytical Method: 1.0 4.0 1.0 0.50 3.0 0.20 2.0	MDL EPA 200 0.29 0.47 0.19 0.17 0.27 0.13 0.10	DF Prepared 0.8 1 5 1 1 1 1 1 1	Analyzed 01/22/2010 01/22/2010 01/25/2010 01/22/2010 01/22/2010 01/22/2010 01/22/2010	By TZ TZ DW TZ TZ TZ TZ	
Test METALS Analysis Desc: EPA 20 Registration Number: EPA/I Arsenic Barium Ammonium Cadmium Chromium Mercury Lead Copper Nickel	Result)0.8 ISDH C-49-04 2.0 ug/L 780 ug/L 7.0 mg/L BDL (<0.17 ug/L) BDL (<0.27 ug/L) BDL (<0.13 ug/L) 445 ug/L 89.9 ug/L	Analytical Method: 1.0 4.0 1.0 0.50 3.0 0.20 2.0 20.0	MDL EPA 200 0.29 0.47 0.19 0.17 0.27 0.13 0.10 0.26	DF Prepared 0.8 1 1 5 1 1 1 1 1 1 1	Analyzed 01/22/2010 01/22/2010 01/25/2010 01/22/2010 01/22/2010 01/22/2010 01/22/2010 01/22/2010	By TZ TZ DW TZ TZ TZ TZ TZ TZ	
Test METALS Analysis Desc: EPA 20 Registration Number: EPA/I Arsenic Barium Ammonium Cadmium Chromium Mercury Lead Copper Nickel Zinc	Result)0.8 ISDH C-49-04 2.0 ug/L 780 ug/L 7.0 mg/L BDL (<0.17 ug/L) BDL (<0.27 ug/L) BDL (<0.13 ug/L) 445 ug/L 89.9 ug/L 1.4 ug/L	Analytical Method: 1.0 4.0 1.0 0.50 3.0 0.20 2.0 20.0 1.0	MDL EPA 200 0.29 0.47 0.19 0.17 0.27 0.13 0.10 0.26 0.15	DF Prepared 0.8 1 1 5 1 1 1 1 1 1 1 1 1	Analyzed 01/22/2010 01/22/2010 01/25/2010 01/22/2010 01/22/2010 01/22/2010 01/22/2010 01/22/2010	By TZ TZ DW TZ TZ TZ TZ TZ TZ	
Test METALS Analysis Desc: EPA 20 Registration Number: EPA/I Arsenic Barium Ammonium Cadmium Chromium Mercury Lead Copper Nickel Zinc Calcium	Result)0.8 ISDH C-49-04 2.0 ug/L 780 ug/L 7.0 mg/L BDL (<0.17 ug/L) BDL (<0.17 ug/L) BDL (<0.13 ug/L) 445 ug/L 89.9 ug/L 1.4 ug/L 34.9 ug/L	Analytical Method: 1.0 4.0 1.0 0.50 3.0 0.20 2.0 20.0 1.0 1.0 10.0	MDL EPA 200 0.29 0.47 0.19 0.17 0.27 0.13 0.10 0.26 0.15 1.4	DF Prepared 0.8 1 1 5 1 1 1 1 1 1 1 1 1 1	Analyzed 01/22/2010 01/22/2010 01/25/2010 01/22/2010 01/22/2010 01/22/2010 01/22/2010 01/22/2010 01/22/2010	By TZ TZ DW TZ TZ TZ TZ TZ TZ TZ	
Test METALS Analysis Desc: EPA 20 Registration Number: EPA/I Arsenic Barium Ammonium Cadmium Chromium Mercury Lead Copper Nickel Zinc Calcium Magnesium	Result)0.8 ISDH C-49-04 2.0 ug/L 780 ug/L 7.0 mg/L BDL (<0.17 ug/L) BDL (<0.17 ug/L) BDL (<0.27 ug/L) BDL (<0.13 ug/L) 445 ug/L 89.9 ug/L 1.4 ug/L 34.9 ug/L 127000 ug/L	Analytical Method: 1.0 4.0 1.0 0.50 3.0 0.20 2.0 20.0 1.0 10.0 10.0 1000	MDL EPA 200 0.29 0.47 0.19 0.17 0.27 0.13 0.10 0.26 0.15 1.4 13	DF Prepared 0.8 1 1 5 1 1 1 1 1 1 1 1 1 1 1	Analyzed 01/22/2010 01/22/2010 01/25/2010 01/22/2010 01/22/2010 01/22/2010 01/22/2010 01/22/2010 01/22/2010 01/22/2010	By TZ TZ DW TZ TZ TZ TZ TZ TZ TZ TZ	
Test METALS Analysis Desc: EPA 20 Registration Number: EPA/I Arsenic Barium Ammonium Cadmium Chromium Mercury Lead Copper Nickel Zinc Calcium Magnesium Hardness	Result)0.8 ISDH C-49-04 2.0 ug/L 780 ug/L 7.0 mg/L BDL (<0.17 ug/L) BDL (<0.27 ug/L) BDL (<0.13 ug/L) 445 ug/L 89.9 ug/L 1.4 ug/L 34.9 ug/L 127000 ug/L 44100 ug/L	Analytical Method: 1.0 4.0 1.0 0.50 3.0 0.20 2.0 20.0 1.0 10.0 10.0 1000 1000	MDL EPA 200 0.29 0.47 0.19 0.17 0.27 0.13 0.10 0.26 0.15 1.4 13	DF Prepared 0.8 1 1 5 1 1 1 1 1 1 1 1 1 1 1 1	Analyzed 01/22/2010 01/22/2010 01/25/2010 01/22/2010 01/22/2010 01/22/2010 01/22/2010 01/22/2010 01/22/2010 01/22/2010 01/22/2010	By TZ TZ DW TZ TZ TZ TZ TZ TZ TZ TZ TZ	
Test METALS Analysis Desc: EPA 20 Registration Number: EPA/1 Arsenic Barium Ammonium Cadmium Chromium Mercury Lead Copper Nickel Zinc Calcium Magnesium Hardness ANIONS Analysis Desc: EPA 30	Result 00.8 ISDH C-49-04 2.0 ug/L 780 ug/L 7.0 mg/L BDL (<0.17 ug/L)	Analytical Method: 1.0 4.0 1.0 0.50 3.0 0.20 2.0 20.0 1.0 10.0 10.0 1000 1000	MDL EPA 200 0.29 0.47 0.19 0.17 0.27 0.13 0.10 0.26 0.15 1.4 13	DF Prepared 0.8 1 1 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Analyzed 01/22/2010 01/22/2010 01/25/2010 01/22/2010 01/22/2010 01/22/2010 01/22/2010 01/22/2010 01/22/2010 01/22/2010 01/22/2010	By TZ TZ DW TZ TZ TZ TZ TZ TZ TZ TZ TZ	
Test METALS Analysis Desc: EPA 20 Registration Number: EPA/I Arsenic Barium Ammonium Cadmium Chromium Mercury Lead Copper Nickel Zinc Calcium Magnesium Hardness ANIONS Analysis Desc: EPA 30 Registration Number: EPA/I	Result)0.8 ISDH C-49-04 2.0 ug/L 780 ug/L 7.0 mg/L BDL (<0.17 ug/L)	Analytical Method: 1.0 4.0 1.0 0.50 3.0 0.20 2.0 20.0 1.0 10.0 1000 1000 7.0	MDL EPA 200 0.29 0.47 0.19 0.17 0.27 0.13 0.10 0.26 0.15 1.4 13 1.4	DF Prepared 0.8 1 1 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Analyzed 01/22/2010 01/22/2010 01/25/2010 01/22/2010 01/22/2010 01/22/2010 01/22/2010 01/22/2010 01/22/2010 01/22/2010 01/22/2010	By TZ TZ DW TZ TZ TZ TZ TZ TZ TZ TZ TZ	
Test METALS Analysis Desc: EPA 20 Registration Number: EPA/I Arsenic Barium Ammonium Cadmium Chromium Mercury Lead Copper Nickel Zinc Calcium Magnesium Hardness ANIONS	Result)0.8 ISDH C-49-04 2.0 ug/L 780 ug/L 7.0 mg/L BDL (<0.17 ug/L) BDL (<0.27 ug/L) BDL (<0.13 ug/L) 445 ug/L 89.9 ug/L 1.4 ug/L 34.9 ug/L 127000 ug/L 44100 ug/L 499 mg/L CaCO3)0.0 ISDH C-49-04 56.4 mg/L	Analytical Method: 1.0 4.0 1.0 0.50 3.0 0.20 2.0 2.0 2.0 1.0 1.0 1.0 1.0 1.0 1.0 0.20 2.0 2.0 2.0 2.0 2.0 2.0	MDL EPA 200 0.29 0.47 0.19 0.17 0.27 0.13 0.10 0.26 0.15 1.4 13 1.4 1.4 EPA 300 0.065	DF Prepared 0.8 1 1 5 1 1 1 1 1 1 1 1 1 1 0.0 1	Analyzed 01/22/2010 01/22/2010 01/25/2010 01/22/2010 01/22/2010 01/22/2010 01/22/2010 01/22/2010 01/22/2010 01/22/2010 01/22/2010 01/22/2010	By TZ TZ DW TZ TZ TZ TZ TZ TZ TZ TZ TZ TZ DW	
Test METALS Analysis Desc: EPA 20 Registration Number: EPA/1 Arsenic Barium Ammonium Cadmium Chromium Mercury Lead Copper Nickel Zinc Calcium Magnesium Hardness ANIONS Analysis Desc: EPA 30 Registration Number: EPA/1 Chloride	Result)0.8 ISDH C-49-04 2.0 ug/L 780 ug/L 7.0 mg/L BDL (<0.17 ug/L)	Analytical Method: 1.0 4.0 1.0 0.50 3.0 0.20 2.0 20.0 1.0 10.0 1000 1000 7.0 Analytical Method:	MDL EPA 200 0.29 0.47 0.19 0.17 0.27 0.13 0.10 0.26 0.15 1.4 13 1.4 1.4 EPA 300	DF Prepared 0.8 1 1 5 1 1 1 1 1 1 1 1 1 1 1 0.0	Analyzed 01/22/2010 01/22/2010 01/25/2010 01/22/2010 01/22/2010 01/22/2010 01/22/2010 01/22/2010 01/22/2010 01/22/2010 01/22/2010 01/22/2010	By TZ TZ DW TZ TZ TZ TZ TZ TZ TZ TZ TZ	

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Phone: (317) 221-4670 Fax: (317) 221-4683

Sample Information							
Sample ID:	AR012810-2			Lab ID:	E1004419	901	
Sample Location:	8102 MOORE RI INDIANAPOLIS	,					
Reason for Sampling:	Survey		Sample	Description:	DITCH 8102 M	OORE R	D
Collection Information	n						
Collection:	MCHD-WQ/IAQ 3838 North Rura Indianapolis, IN	Street, 5th Floor					
Collected By:	Fikru Hailu, M.P.	Н., С.Н.М.М.		Date Received:	January 2	8, 2010	15:23
Date Collected:	January 28, 2010	13:55					
Final Results							
Sample ID:	AR012810-2			Lab ID:	E1004419	901	
Matrix:	Surface Water			Date Completed	: January 2	8, 2010	0:00
Received on Ice, 2-8 degr	rees Celsius			Date Reported:	January 2	9, 2010	12:28
Test	Result	Report Limit	MDL	DF Prepared	Analyzed	By	Qual RegLm
MICROBIOLOGY MPN Escherichia coli	>24192	10		1	01/28/2010	DG	235

Testing performed at Marion County Health Department Public Health Laboratory, ISDH# M-49-02, 3838 North Rural Street, Indianapolis, IN 46205

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Phone: (317) 221-4670 Fax: (317) 221-4683

Sample ID:	AR012810-2			Lab ID:	E1004419	001	
Sample Location:							
-	8102 MOORE RD),					
	INDIANAPOLIS,	IN 46278					
Reason for Sampling:			Sample	Description: d	itch		
Collection Information	n						
Collection:	MCHD-WQ/IAQ/	НММ					
	3838 North Rural	Street, 5th Floor					
	Indianapolis, IN 4	6205					
Collected By:	Fikru Hailu, M.P.H	Н., С.Н.М.М.		Date Received:	January 2	8, 2010	4:50
Date Collected:	January 28, 2010	13:55					
Final Results							
Sample ID:	AR012810-2			Lab ID:	E1004419	001	
Matrix:	Surface Water			Date Completed:	January 2	9, 2010	4:57
Received on Ice, 2-8 degr	rees Celsius			Date Reported:	February	16, 2010	11:02
Test	Result	Report Limit	MDL	DF Prepared	Analyzed	By	Qual RegLmt
ANIONS							
Analysis Desc: EPA 30		Analytical Method:	EPA 3	300.0			
Registration Number: EPA/							
Chloride	48.7 mg/L	2.0	0.065	1	01/29/2010	ND	
Nitrite	0.25 mg/L	0.20	0.010	1	01/29/2010	ND	
Nitrate Ortho-Phosphate	3.0 mg/L 0.58 mg/L	0.20 0.20	0.025 0.063	1	01/29/2010 01/29/2010	ND	
Sulfate	69.4 mg/L	2.0	0.063	1	01/29/2010	ND	
CATIONS	69.4 mg/L	2.0	0.15	I	01/29/2010	ND	
CATIONS							

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Sample ID:	FH031110-1			Lab ID:	F1010808	301	
Sample Location:							
	8102 MOORE RI	Э,					
	INDIANAPOLIS	, IN 46278					
Reason for Sampling:	Routine		Sample	Description:	DITCH		
Collection Information	n						
Collection:	MCHD-WQ/IAQ	/HMM					
	3838 North Rural	Street, 5th Floor					
	Indianapolis, IN	46205					
Collected By:	Fikru Hailu, M.P.	Н., С.Н.М.М.		Date Received:	March 11	, 2010 1	1:23
Date Collected:	March 11, 2010	10:40					
Final Results							
Sample ID:	FH031110-1			Lab ID:	F1010808	301	
Matrix:	Surface Water			Date Completed:	March 11	, 2010 3	:00
Received on Ice, 2-8 deg	rees Celsius			Date Reported:	March 12	, 2010 9	:45
Test	Result	Report Limit	MDL	DF Prepared	Analyzed	Ву	Qual RegLm
MICROBIOLOGY							
MPN Escherichia coli	>24192	10		1	03/11/2010	JJ	235

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Addendum-2005 Eagle Creek Watershed Management Plan

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Phone: (317) 221-4670 Fax: (317) 221-4683

Sample Information							
Sample ID:	FH031110-1			Lab ID:	F1010808	801	
Sample Location:							
	8102 MOORE RD,						
	INDIANAPOLIS, IN	46278					
Reason for Sampling:			Sample	Description:	ditch		
Collection Information							
Collection:	MCHD-WQ/IAQ/H	ММ					
	3838 North Rural St	reet, 5th Floor					
	Indianapolis, IN 462	205					
Collected By:	Fikru Hailu, M.P.H.,	C.H.M.M.		Date Received:	March 11	, 2010 1	1:23
Date Collected:	March 11, 2010 10:4	40					
Final Results							
Sample ID:	FH031110-1			Lab ID:	F1010808	301	
Matrix:	Surface Water			Date Completed	March 12	, 2010 14	4:26
Received on Ice, 2-8 degree	es Celsius			Date Reported:	April 1, 2	010 8:00	0
Test	Result	Report Limit	MDL	DF Prepared	Analyzed	Ву	Qual RegLmt
ANIONS							
Analysis Desc: EPA 300. Registration Number: EPA/ISI		Analytical Method:	EPA 3	0.00			
Ortho-Phosphate	0.92 mg/L	0.20	0.028	1	03/12/2010	ND	
CATIONS							
Ammonium	2.0 mg/L	0.20	0.039	1	03/31/2010	ND	

Testing performed at Marion County Health Department Public Health Laboratory, ISDH# M-49-02, 3838 North Rural Street, Indianapolis, IN 46205

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Phone: (317) 221-4670 Fax: (317) 221-4683

Sample ID:	FH061610-1			Lab ID:	E1027878	301	
Sample Location:							
	8102 MOORE RD,						
	INDIANAPOLIS, IN	46278					
Reason for Sampling:	Survey		Sample	Description:	3102 DITCH		
Collection Information	n						
Collection:	MCHD-WQ/IAQ/HM	ИМ					
	3838 North Rural Str	reet, 5th Floor					
	Indianapolis, IN 462	05					
Collected By:	Fikru Hailu, M.P.H.,	C.H.M.M.		Date Received:	June 16, 2	2010 10:59	
Date Collected:	June 16, 2010 9:35						
Final Results							
Sample ID:	FH061610-1			Lab ID:	E1027878	301	
Matrix:	Surface Water			Date Completed:	June 16, 2	2010 0:00	
Received on Ice, 2-8 deg	rees Celsius			Date Reported:	June 18, 2	2010 7:56	
Test	Result	Report Limit	MDL	DF Prepared	Analyzed	By	Qual RegLm
MICROBIOLOGY							
MPN Escherichia coli	24192 MPN/100mL	. 10		1	06/16/2010	AC	235

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Phone: (317) 221-4670 Fax: (317) 221-4683

Sample ID:	FH061610-1			Lab ID:		E1027878	301	
Sample Location:								
	8102 MOORE RD,							
	INDIANAPOLIS,	N 46278						
Reason for Sampling:	Survey		Sample I	Description:	ditch			
Collection Information								
Collection:	MCHD-WQ/IAQ/H	IMM						
	3838 North Rural S	treet, 5th Floor						
	Indianapolis, IN 40	5205						
Collected By:	Fikru Hailu, M.P.H	., C.H.M.M.		Date Received:		June 16, 2	2010 10:55	
Date Collected:	June 16, 2010 9:3	5						
Final Results								
Sample ID:	FH061610-1			Lab ID:		E1027878	301	
Matrix:	Surface Water			Date Completed	:	June 17, 2	2010 4:46	
Received on Ice, Out of Ra	inge, 2-8 deg C			Date Reported:		June 24, 2	2010 7:43	
Test	Result	Report Limit	MDL	DF Prepared	Ar	alyzed	By	Qual RegLmt
ANIONS								
Analysis Desc: EPA 300		Analytical Method:	EPA 30	0.00				
Registration Number: EPA/IS		0.20	0.029		00	17/2010		
Ortho-Phosphate	2.1 mg/L	0.20	0.028	1	06	/17/2010	ΤZ	
CATIONS								

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Phone: (317) 221-4670 Fax: (317) 221-4683

Sample ID:	FH090910-1			Lab ID:	E1044706	501	
Sample Location:							
	8102 MOORE RD,						
	INDIANAPOLIS, IN	46278					
Reason for Sampling:	Survey		Sample	Description: I	DITCH		
Collection Information	ı						
Collection:	MCHD-WQ/IAQ/HM	ſМ					
	3838 North Rural Stre	eet, 5th Floor					
	Indianapolis, IN 462	05					
Collected By:	Fikru Hailu, M.P.H.,	C.H.M.M.		Date Received:	Septembe	er 9, 2010	14:57
Date Collected:	September 9, 2010 14	4:15					
Final Results							
Sample ID:	FH090910-1			Lab ID:	E1044706	601	
Matrix:	Surface Water			Date Completed:	Septembe	er 9, 2010	3:00
Received on Ice, 2-8 degr	ees Celsius			Date Reported:	Septembe	er 10, 2010	8:58
Test	Result	Report Limit	MDL	DF Prepared	Analyzed	By	Qual RegLmt

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Phone: (317) 221-4670 Fax: (317) 221-4683

Sample ID:	FH090910-1			Lab ID:	E1044706	501	
Sample Location:							
	8102 MOORE RD,						
	INDIANAPOLIS, IN	46278					
		10270					
Reason for Sampling:	Survey		Sample	Description: D	oitch		
Collection Information							
Collection:	MCHD-WQ/IAQ/HM	IM					
	3838 North Rural Stre	eet, 5th Floor					
	Indianapolis, IN 4620)5					
Collected By:	Fikru Hailu, M.P.H., O			Date Received:	Septembe	r 9, 2010	14:57
Date Collected:	September 9, 2010 14					,,	
Date Conceled.	September 9, 2010 1-						
Final Results							
Sample ID:	FH090910-1			Lab ID:	E1044706	501	
Matrix:	Well Water			Date Completed:	Septembe	r 10, 2010	0:47
Received on Ice, 2-8 degre	es Celsius			Date Reported:	October 1	3, 2010	7:41
Test	Result	Report Limit	MDL	DF Prepared	Analyzed	By	Qual RegLm
ANIONS							
Analysis Desc: EPA 300).0	Analytical Method:	EPA 3	00.0			
Registration Number: EPA/IS							
Fluoride	2.9 mg/L	0.20	0.11	1	09/10/2010	ΤZ	4
Chloride	109 mg/L	2.0	0.86	1	09/10/2010	TZ	250
Nitrite	BDL (<0.028 mg/L) BDL (<0.077 mg/L)	0.20	0.028	1	09/10/2010	TZ	1
		0.20	0.077	1	09/10/2010 09/10/2010	TZ	10
Nitrate	(,	0.00					0.5
Nitrate Ortho-Phosphate	1.6 mg/L	0.20	0.041	1		TZ	
Nitrate Ortho-Phosphate Sulfate	(,	0.20 2.0	0.041 0.18	1	09/10/2010	TZ	250
Nitrate Ortho-Phosphate Sulfate WET CHEMISTRY	1.6 mg/L 52.3 mg/L	2.0	0.18	1			
Nutre Nitrate Ortho-Phosphate Sulfate WET CHEMISTRY Analysis Desc: EPA 350 Registration Number: EPA/IS	1.6 mg/L 52.3 mg/L			1			

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Phone: (317) 221-4670 Fax: (317) 221-4683

Sample ID:	FH113010-1			Lab ID:	E1057776	501	
Sample Location:							
	8102 MOORE RI),					
	INDIANAPOLIS	, IN 46278					
Reason for Sampling:	Survey		Sample	Description: I	DITCH		
Collection Information	n						
Collection:	MCHD-WQ/IAQ	/HMM					
	3838 North Rural	Street, 5th Floor					
	Indianapolis, IN	46205					
Collected By:	Fikru Hailu, M.P.	Н., С.Н.М.М.		Date Received:	Novembe	r 30, 201	0 11:45
Date Collected:	November 30, 20	10 10:45					
Final Results							
Sample ID:	FH113010-1			Lab ID:	E1057776	501	
Matrix:	Surface Water			Date Completed:	Novembe	r 30, 201	0 0:00
Received on Ice, 2-8 deg	rees Celsius			Date Reported:	Decembe	r 1, 2010	10:01
Test	Result	Report Limit	MDL	DF Prepared	Analyzed	Ву	Qual RegLm
MICROBIOLOGY							
MPN Escherichia coli	>24192	10		1	11/30/2010	DG	235

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Addendum-2005 Eagle Creek Watershed Management Plan

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Phone: (317) 221-4670 Fax: (317) 221-4683

Sample ID:	FH113010-1			Lab ID:	E1057776	501	
Sample Location:							
	8102 MOORE RI	D,					
	INDIANAPOLIS	, IN 46278					
Reason for Sampling:	Survey		Sample I	Description: D	litch		
Collection Information	ı						
Collection:	MCHD-WQ/IAQ	/HMM					
	3838 North Rura	Street, 5th Floor					
	Indianapolis, IN	46205					
Collected By:	Fikru Hailu, M.P.	Н., С.Н.М.М.		Date Received:	Novembe	r 30, 201	0 14:19
Date Collected:	November 30, 20	10 10:45					
Final Results							
Sample ID:	FH113010-1			Lab ID:	E1057776	501	
Matrix:	Surface Water			Date Completed:	December	1, 2010	16:49
Received on Ice, 2-8 degr	ees Celsius			Date Reported:	December	8, 2010	7:43
Test	Result	Report Limit	MDL	DF Prepared	Analyzed	By	Qual RegLm
ANIONS							
Analysis Desc: EPA 30		Analytical Method:	EPA 3	0.00			
Registration Number: EPA/I Chloride	ISDH C-49-04 109 mg/L	2.0	0.86	1	12/01/2010		
Vitrite	0.35 mg/L	0.20	0.028	1	12/01/2010	ND ND	
Vitrate	8.3 mg/L	0.20	0.028	1	12/01/2010	ND	
Ortho-Phosphate	1.7 mg/L	0.20	0.041	1	12/01/2010	ND	
Sulfate	153 mg/L	2.0	0.18	1	12/01/2010	ND	
WET CHEMISTRY	J						
	50.3	Analytical Method:	EPA 3	50.3			
Analysis Desc: EPA 35							
Analysis Desc: EPA 35 Registration Number: EPA/I							

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Phone: (317) 221-4670 Fax: (317) 221-4683

Sample Information							
Sample ID:	FH031711-1			Lab ID:	E111131:	501	
Sample Location:	8102 MOORE RD, INDIANAPOLIS, IN	46278					
Reason for Sampling:	Survey		Sample	Description:	DITCH		
Collection Information	ı						
Collection:	MCHD-WQ/IAQ/HM 3838 North Rural Str Indianapolis, IN 462	eet, 5th Floor					
Collected By:	Fikru Hailu, M.P.H.,		Date Received:	, 2011 1	2:45		
Date Collected:	March 17, 2011 11:5						
Final Results							
Sample ID:	FH031711-1			Lab ID:	E111131	501	
Matrix:	Surface Water			Date Completed:	March 17	, 2011 ():00
				Date Reported:	March 18	, 2011 9	9:53
Test	Result	Report Limit	MDL	DF Prepared	Analyzed	By	Qual RegLmt
MICROBIOLOGY MPN Escherichia coli	7270 MPN/100mL	10		1	03/17/2011	DG	235

Testing performed at Marion County Health Department Public Health Laboratory, ISDH# M-49-02, 3838 North Rural Street, Indianapolis, IN 46205

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Addendum-2005 Eagle Creek Watershed Management Plan

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Phone: (317) 221-4670 Fax: (317) 221-4683

Sample ID:	FH031711-1			Lab ID:	E1111315	501		
Sample Location:								
Sample Location.	8102 MOORE RD,							
	INDIANAPOLIS, IN 46278							
	INDIANAFOLIS, IN	40278						
Reason for Sampling:			Sample	Description: D	Ditch			
Collection Information	n							
Collection:	MCHD-WQ/IAQ/HM	4M						
concention.								
	3838 North Rural Street, 5th Floor							
	Indianapolis, IN 462	05						
Collected By:	Fikru Hailu, M.P.H., C.H.M.M.			Date Received:	March 17	, 2011	12:45	
Date Collected:	March 17, 2011 11:5	March 17, 2011 11:50						
Final Results								
Sample ID:	FH031711-1			Lab ID:	E1111315	501		
Matrix:	Surface Water		Date Completed:	March 23, 2011 16:06				
			1	March 25, 2011 7:2				
Passivad on Isa 2.9 dag	and Calaina			Data Dananta di	Marah 25	2011	7.24	
Received on Ice, 2-8 degr	rees Celsius			Date Reported:	March 25	, 2011	7:24	
Received on Ice, 2-8 degr Test	rees Celsius Result	Report Limit	MDL	Date Reported: DF Prepared	March 25	, 2011 By		ual RegLm
		Report Limit	MDL					ual RegLm
Test METALS Analysis Desc: EPA 20	Result	Report Limit Analytical Method:	MDL EPA 2	DF Prepared				ual RegLm
Test METALS Analysis Desc: EPA 20 Registration Number: EPA/	Result 00.8 ISDH C-49-04	Analytical Method:		DF Prepared	Analyzed	Ву	Q	ual RegLm
Test METALS Analysis Desc: EPA 20 Registration Number: EPA/ Arsenic	Result 00.8 ISDH C-49-04 3.1 ug/L	Analytical Method:		DF Prepared	Analyzed 03/23/2011	By	Q	ual RegLm
Test METALS Analysis Desc: EPA 20 Registration Number: EPA/ Arsenic Barium	Result 00.8 ISDH C-49-04 3.1 ug/L 107 ug/L	Analytical Method: 1.0 4.0		DF Prepared	Analyzed 03/23/2011 03/23/2011	By DW DW	Q	ual RegLm
Test METALS Analysis Desc: EPA 20 Registration Number: EPA/ Arsenic Barium Cadmium	Result 00.8 ISDH C-49-04 3.1 ug/L 107 ug/L BDL (< ug/L)	Analytical Method: 1.0 4.0 0.50		DF Prepared 200.8 1 1 1	Analyzed 03/23/2011 03/23/2011 03/23/2011	By DW DW DW	Q	ual RegLmi
Test METALS Analysis Desc: EPA 20 Registration Number: EPA/ Arsenic Barium Cadmium Chromium	Result 00.8 ISDH C-49-04 3.1 ug/L 107 ug/L BDL (< ug/L) BDL (< ug/L)	Analytical Method: 1.0 4.0 0.50 3.0		DF Prepared 200.8 1 1 1 1 1	Analyzed 03/23/2011 03/23/2011 03/23/2011 03/23/2011	By DW DW DW	Q	ual RegLm
Test METALS Analysis Desc: EPA 20 Registration Number: EPA/ Arsenic Barium Cadmium Chromium Mercury	Result 00.8 ISDH C-49-04 3.1 ug/L 107 ug/L BDL (< ug/L) BDL (< ug/L) BDL (< ug/L)	Analytical Method: 1.0 4.0 0.50 3.0 0.20		DF Prepared 200.8 1 1 1 1 1 1	Analyzed 03/23/2011 03/23/2011 03/23/2011 03/23/2011 03/23/2011	By DW DW DW DW	Q	ual RegLm
Test METALS Analysis Desc: EPA 20 Registration Number: EPA/ Arsenic Barium Cadmium Chromium Mercury Lead	Result 00.8 ISDH C-49-04 3.1 ug/L 107 ug/L BDL (< ug/L) BDL (< ug/L) BDL (< ug/L) 2.3 ug/L	Analytical Method: 1.0 4.0 0.50 3.0 0.20 2.0		DF Prepared 00.8 1 1 1 1 1 1 1	Analyzed 03/23/2011 03/23/2011 03/23/2011 03/23/2011 03/23/2011 03/23/2011	By DW DW DW DW DW	Q	ual RegLm
Test METALS Analysis Desc: EPA 20 Registration Number: EPA/ Arsenic Barium Cadmium Chromium Mercury Lead Copper	Result 00.8 ISDH C-49-04 3.1 ug/L 107 ug/L BDL (< ug/L) BDL (< ug/L) BDL (< ug/L) 2.3 ug/L 35.0 ug/L	Analytical Method: 1.0 4.0 0.50 3.0 0.20 2.0 20.0		DF Prepared 00.8 1 1 1 1 1 1 1 1 1	Analyzed 03/23/2011 03/23/2011 03/23/2011 03/23/2011 03/23/2011 03/23/2011 03/23/2011	By DW DW DW DW DW DW	Q	ual RegLm
Test METALS Analysis Desc: EPA 20 Registration Number: EPA/ Arsenic Barium Cadmium Cadmium Chromium Mercury Lead Copper Nickel	Result 00.8 ISDH C-49-04 3.1 ug/L 107 ug/L BDL (< ug/L) BDL (< ug/L) BDL (< ug/L) 2.3 ug/L 35.0 ug/L 2.9 ug/L	Analytical Method: 1.0 4.0 0.50 3.0 0.20 2.0 20.0 1.0		DF Prepared 00.8 1 1 1 1 1 1 1 1 1 1	Analyzed 03/23/2011 03/23/2011 03/23/2011 03/23/2011 03/23/2011 03/23/2011 03/23/2011	By DW DW DW DW DW DW DW	Q	ual RegLm
Test METALS Analysis Desc: EPA 20 Registration Number: EPA/ Arsenic Barium Cadmium Cadmium Chromium Mercury Lead Copper Nickel Zinc	Result 00.8 ISDH C-49-04 3.1 ug/L 107 ug/L BDL (< ug/L) BDL (< ug/L) BDL (< ug/L) 2.3 ug/L 35.0 ug/L 2.9 ug/L 15.1 ug/L	Analytical Method: 1.0 4.0 0.50 3.0 0.20 2.0 20.0 1.0 10.0		DF Prepared 00.8 1 1 1 1 1 1 1 1 1 1 1 1	Analyzed 03/23/2011 03/23/2011 03/23/2011 03/23/2011 03/23/2011 03/23/2011 03/23/2011 03/23/2011	By DW DW DW DW DW DW DW DW	Q	ual RegLm
Test METALS Analysis Desc: EPA 20 Registration Number: EPA/ Arsenic Barium Cadmium Cadmium Chromium Mercury Lead Copper Nickel Zinc Calcium	Result 00.8 ISDH C-49-04 3.1 ug/L 107 ug/L BDL (< ug/L) BDL (< ug/L) BDL (< ug/L) 2.3 ug/L 35.0 ug/L 2.9 ug/L 15.1 ug/L 118000 ug/L	Analytical Method: 1.0 4.0 0.50 3.0 0.20 2.0 20.0 1.0 10.0 1000		DF Prepared 00.8 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Analyzed 03/23/2011 03/23/2011 03/23/2011 03/23/2011 03/23/2011 03/23/2011 03/23/2011 03/23/2011 03/23/2011	By DW DW DW DW DW DW DW DW DW	Q	ual RegLm
Test METALS Analysis Desc: EPA 20 Registration Number: EPA/ Arsenic Barium Cadmium Cadmium Chromium Mercury Lead Copper Nickel Zinc Calcium Magnesium	Result 00.8 ISDH C-49-04 3.1 ug/L 107 ug/L BDL (< ug/L) BDL (< ug/L) BDL (< ug/L) 2.3 ug/L 35.0 ug/L 2.9 ug/L 15.1 ug/L 118000 ug/L 35000 ug/L	Analytical Method: 1.0 4.0 0.50 3.0 0.20 2.0 20.0 1.0 10.0 1000 1000		DF Prepared 00.8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Analyzed 03/23/2011 03/23/2011 03/23/2011 03/23/2011 03/23/2011 03/23/2011 03/23/2011 03/23/2011 03/23/2011 03/23/2011	By DW DW DW DW DW DW DW DW DW DW DW	Q	ual RegLm
Test METALS Analysis Desc: EPA 20 Registration Number: EPA/ Arsenic Barium Cadmium Chromium Mercury Lead Copper Nickel Zinc Calcium Magnesium Hardness	Result 00.8 ISDH C-49-04 3.1 ug/L 107 ug/L BDL (< ug/L) BDL (< ug/L) BDL (< ug/L) 2.3 ug/L 35.0 ug/L 2.9 ug/L 15.1 ug/L 118000 ug/L	Analytical Method: 1.0 4.0 0.50 3.0 0.20 2.0 20.0 1.0 10.0 1000		DF Prepared 00.8 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Analyzed 03/23/2011 03/23/2011 03/23/2011 03/23/2011 03/23/2011 03/23/2011 03/23/2011 03/23/2011 03/23/2011	By DW DW DW DW DW DW DW DW DW	Q	ual RegLm
Test METALS Analysis Desc: EPA 20 Registration Number: EPA/ Arsenic Barium Cadmium Cadmium Chromium Mercury Lead Copper Nickel Zinc Calcium Magnesium Hardness ANIONS	Result 00.8 ISDH C-49-04 3.1 ug/L 107 ug/L BDL (< ug/L) BDL (< ug/L) BDL (< ug/L) 2.3 ug/L 35.0 ug/L 2.9 ug/L 15.1 ug/L 118000 ug/L 35000 ug/L 439 mg/L CaCO3	Analytical Method: 1.0 4.0 0.50 3.0 0.20 2.0 20.0 1.0 10.0 1000 1000 7.0	EPA 2	DF Prepared 00.8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Analyzed 03/23/2011 03/23/2011 03/23/2011 03/23/2011 03/23/2011 03/23/2011 03/23/2011 03/23/2011 03/23/2011 03/23/2011	By DW DW DW DW DW DW DW DW DW DW DW	Q	ual RegLm
Test METALS Analysis Desc: EPA 20 Registration Number: EPA/ Arsenic Barium Cadmium Chromium Mercury Lead Copper Nickel Zinc Calcium Magnesium Hardness ANIONS Analysis Desc: EPA 30	Result 00.8 ISDH C-49-04 3.1 ug/L 107 ug/L BDL (< ug/L)	Analytical Method: 1.0 4.0 0.50 3.0 0.20 2.0 20.0 1.0 10.0 1000 1000		DF Prepared 00.8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Analyzed 03/23/2011 03/23/2011 03/23/2011 03/23/2011 03/23/2011 03/23/2011 03/23/2011 03/23/2011 03/23/2011 03/23/2011	By DW DW DW DW DW DW DW DW DW DW DW	Q	ual RegLm
Test METALS Analysis Desc: EPA 20 Registration Number: EPA/ Arsenic Barium Cadmium Chromium Mercury Lead Copper Nickel Zinc Calcium Magnesium Hardness ANIONS Analysis Desc: EPA 30 Registration Number: EPA/	Result 00.8 ISDH C-49-04 3.1 ug/L 107 ug/L BDL (< ug/L) BDL (< ug/L) BDL (< ug/L) 2.3 ug/L 35.0 ug/L 2.9 ug/L 15.1 ug/L 118000 ug/L 35000 ug/L 439 mg/L CaCO3 00.0 ISDH C-49-04	Analytical Method: 1.0 4.0 0.50 3.0 0.20 2.0 2.0 20.0 1.0 10.0 1000 1000 7.0 Analytical Method:	EPA 2	DF Prepared 200.8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 00.0	Analyzed 03/23/2011 03/23/2011 03/23/2011 03/23/2011 03/23/2011 03/23/2011 03/23/2011 03/23/2011 03/23/2011 03/23/2011	By DW DW DW DW DW DW DW DW DW DW DW	Q	ual RegLm
Test METALS Analysis Desc: EPA 20 Registration Number: EPA/ Arsenic Barium Cadmium Chromium Mercury Lead Copper Nickel Zinc Calcium Magnesium Hardness ANIONS Analysis Desc: EPA 30 Registration Number: EPA/ Chloride	Result 00.8 ISDH C-49-04 3.1 ug/L 107 ug/L BDL (< ug/L) BDL (< ug/L) BDL (< ug/L) 2.3 ug/L 35.0 ug/L 2.9 ug/L 15.1 ug/L 118000 ug/L 35000 ug/L 439 mg/L CaCO3 00.0 ISDH C-49-04 63.5 mg/L	Analytical Method: 1.0 4.0 0.50 3.0 0.20 2.0 20.0 1.0 10.0 1000 1000 7.0 Analytical Method: 2.0	EPA 2 EPA 3 0.054	DF Prepared 200.8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Analyzed 03/23/2011 03/23/2011 03/23/2011 03/23/2011 03/23/2011 03/23/2011 03/23/2011 03/23/2011 03/23/2011 03/23/2011 03/23/2011 03/23/2011	By DW DW DW DW DW DW DW DW DW DW DW	Q	ual RegLm
Test METALS Analysis Desc: EPA 20 Registration Number: EPA/ Arsenic Barium Cadmium Chromium Mercury Lead Copper Nickel Zinc Calcium Magnesium Hardness ANIONS Analysis Desc: EPA 30 Registration Number: EPA/ Chloride Nitrite	Result 00.8 ISDH C-49-04 3.1 ug/L 107 ug/L BDL (< ug/L) BDL (< ug/L) BDL (< ug/L) 2.3 ug/L 35.0 ug/L 2.9 ug/L 15.1 ug/L 118000 ug/L 35000 ug/L 439 mg/L CaCO3 00.0 ISDH C-49-04 63.5 mg/L 0.24 mg/L	Analytical Method: 1.0 4.0 0.50 3.0 0.20 2.0 20.0 1.0 10.0 1000 1000 7.0 Analytical Method: 2.0 0.20	EPA 2 EPA 3 0.054 0.011	DF Prepared 200.8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Analyzed 03/23/2011 03/23/2011 03/23/2011 03/23/2011 03/23/2011 03/23/2011 03/23/2011 03/23/2011 03/23/2011 03/23/2011 03/23/2011 03/23/2011 03/23/2011	By DW DW DW DW DW DW DW DW DW DW DW DW DW	Q	ual RegLm
Test METALS Analysis Desc: EPA 20 Registration Number: EPA/ Arsenic Barium Cadmium Chromium Mercury Lead Copper Nickel Zinc Calcium Magnesium Hardness ANIONS Analysis Desc: EPA 30 Registration Number: EPA/ Chloride	Result 00.8 ISDH C-49-04 3.1 ug/L 107 ug/L BDL (< ug/L) BDL (< ug/L) BDL (< ug/L) 2.3 ug/L 35.0 ug/L 2.9 ug/L 15.1 ug/L 118000 ug/L 35000 ug/L 439 mg/L CaCO3 00.0 ISDH C-49-04 63.5 mg/L	Analytical Method: 1.0 4.0 0.50 3.0 0.20 2.0 20.0 1.0 10.0 1000 1000 7.0 Analytical Method: 2.0	EPA 2 EPA 3 0.054	DF Prepared 200.8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Analyzed 03/23/2011 03/23/2011 03/23/2011 03/23/2011 03/23/2011 03/23/2011 03/23/2011 03/23/2011 03/23/2011 03/23/2011 03/23/2011 03/23/2011	By DW DW DW DW DW DW DW DW DW DW DW	Q	ual RegLm

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Phone: (317) 221-4670 Fax: (317) 221-4683

Sample Information								
Sample ID:	FH031711-1		Lab ID:		E111131501			
Sample Location:	8102 MOORE RD, INDIANAPOLIS, IN 46278							
Reason for Sampling:		Sample D	Description:	Ditch				
Final Results								
Sample ID:	FH031711-1		Lab ID:		E111131501			
Matrix:	Surface Water		Date Completed:		March 17, 2011 23:31			
Received on Ice, 2-8 degrees	s Celsius		Date Reported:		March 25, 2011 7:24			

Testing performed at Marion County Health Department Public Health Laboratory, ISDH# M-49-02, 3838 North Rural Street, Indianapolis, IN 46205

CERTIFICATE OF ANALYSIS

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Addendum-2005 Eagle Creek Watershed Management Plan

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