

**SEMI-ANNUAL REPORT ON
PROJECT XL
JEFFERSONTOWN SEWERSHED/CHENOWETH RUN
WATERSHED
PRETREATMENT REINVENTION PROJECT
(Reporting Period: January 1 – June 30, 2005)**

e **X** *cellence* *in* **L** *eadership*



October 2005

Table of Contents

SECTION 1 –	INTRODUCTION
SECTION 2 –	ACTIVITIES AND ACCOMPLISHMENTS.
SECTION 3 –	DATA COLLECTION AND TREND CHARTS

Appendices

APPENDIX A –	APRIL 2005 STAKEHOLDER MEETING MINUTES
APPENDIX B –	MARCH 2005 WORKGROUP MEETING MINUTES

1.0 INTRODUCTION

MSD completed an EPA Grant project for the Development of Pretreatment Performance Measures. The objective of this project was to develop, implement, and assess specific Performance Measures designed to measure the environmental impact of the Pretreatment Program in the Jeffersontown Sewershed/Chenoweth Run Watershed area. MSD was also selected to participate in the Project XL (eXcellence in Leadership) program.

With information gained from the Performance Measures, and with the regulatory flexibility provided by the XL Pilot Project, resources can ultimately be shifted to address the greatest environmental concerns in the watershed. MSD's strategy is to take better information and reallocate resources with this XL program to create environmental benefits according to a stakeholder-endorsed prioritization strategy.

The Final Project Agreement (FPA) for MSD's XL project was signed by MSD, USEPA, and Kentucky Department of Environmental Protection (KYDEP) on September 28, 2000. The FPA documents the enforceable commitments, voluntary commitments, and aspirations for the project. The FPA calls for a five year effort and requires annual and semi-annual reporting.

MSD received a reissued KPDES permit for the Jeffersontown treatment plant with an effective date of June 1, 2002. In the reissued permit, MSD was given part of the regulatory authority to begin implementing the XL study from the KYDEP. KYDEP also obtained code changes in December 2002 to enable MSD to implement the pilot study.

As part of Project XL, MSD has committed to produce a semi-annual Report for EPA, KYDEP and project stakeholders. The semi-annual report is due each October 1. This semi-annual report is in addition to annual reports MSD must furnish on April 1 of each year.

MSD has received approval from USEPA to provide minimal narrative on the pollutant of concern trends and not provide updated trend charts for this Semi-Annual report. This was granted because MSD is currently converting software and programming used to review the data and prepare the trend charts.

2.0 ACTIVITIES AND ACCOMPLISHMENTS

MSD has been very active in implementing the XL Pilot program in 2005. In this semi-annual report, MSD will present an update on many of the project activities.

2.1 Stakeholder Involvement

MSD held a general stakeholder meeting on April 13, 2005. Topics discussed included a Project XL status report, MSD's Annual XL report for 2004, updated lists of pollutants of concern (POCs) and Significant Industrial Users, pollutant sampling schedule changes, supplemental environmental projects, POC reduction strategies, and open discussion. A summary of the meeting is included in **Appendix A**. Minutes from this and of other stakeholder and work group meetings are also included on MSD's webpage at http://www.msdlouky.org/insidemsd/pretreat_projectxl.htm.

MSD has assembled a Stakeholder Work Group to assist in making decisions on this project. The work group met on March 10, 2005 to review the project and discuss future project initiatives. A summary of the meeting is included in **Appendix B**.

2.2 Pollutants of Concern

"Pollutants of concern" is a phrase coined for this project for parameters in the wastewater for which the utility should exercise heightened concern due to the data evaluation from the performance measures review. The following criteria for the determination of POCs were established with stakeholder involvement.

A parameter would be considered a POC:

- If there have been multiple exceedances of any of the Performance Measures.
- If the data shows an increasing trend for that parameter toward any of the Performance Measures.
- If concentrations of that parameter in the receiving stream are near water quality criteria (even though the pollutant source may not be pretreatment related).
- If that parameter is listed as a reason for the stream to be on the State's 303d list.
- If the parameter has a numeric limit on the Wastewater Treatment Plant's NPDES permit.

The following table identifies the current J-Town Pollutants of Concern as determined by the work group based on these criteria and the data collected over the past three years. Cadmium has been added to the list of POCs based on a recent regulatory change in the water quality criteria.

J-Town 2005 POC Selection as made by the Stakeholder Work Group

Parameter	Frequent Exceedances of the PM	Increasing Trend toward PM	Approaching Stream WQC	Parameter noted on 303d list	NPDES Permit limit
Arsenic	No	No	No	No	No
Cadmium	(1)	(1)	Yes	No	No
Chromium	No	No	No	No	No
Copper	Yes	No	No	No	No
Cyanide (Amenable)	Yes	No	No	No	No
Iron	NA	NA	No	No	No
Lead	Yes	No	Yes	No	No
Mercury	Yes	No	Yes	No	No
Nickel	No	No	No	No	No
Selenium	No, watch	No	No	No	No
Silver	No, watch	No	No	No	No
Zinc	No	No	No	No	No
BOD	No	No	NA	No	Yes
TSS	No	No	NA	No	Yes
Ammonia	No	No	NA	No	Yes
Phosphorus	No	No	NA	Yes	Yes

(1) Cadmium did NOT exceed the performance measure which has been used for Project XL (which was 70% of the chronic WQC). However, the chronic WQC was changed in 2004 from 0.0044 to 0.0005 mg/L. Therefore, the new Performance Measure becomes 70% of 0.0005 (or 0.00035 mg/L). There have been exceedances of this new PM.

2.3 Pollution Prevention / Public Education

Several Pollution Prevention activities have been accomplished (or are in the process of being done). These activities each have the purpose of either directly reducing pollution or educating the public how to help reduce pollution to the stream. The efforts underway in 2005 include:

- A video or CD about mercury is being prepared as one of the environmental projects for 2005. The CD will be prepared through a joint effort between MSD and KPPC. The CD will educate dentists about mercury and best management practices to keep it out of our environment.
- A seminar was offered on the University of Louisville campus to educate and inform concerned citizens about the water quality in Chenoweth Run. Participating in the

seminar were members of the Project XL team and two professors from U of L. The July 21, 2005 seminar attracted 30-50 participants. Funding for the seminar was provided by Project XL.

- Project XL staff introduced the project to over 40 interested students at Jeffersontown High School. These students attended a 50 minute project overview meeting, assisted in collecting samples of their tap water from home, and attended an all day field trip where they saw the production of drinking water at one water treatment plant and treatment of wastewater at two wastewater treatment plants.
- Project XL staff have been preparing for a Backyard Conservation Workshop to be held on October 1, 2005. The workshop is free to the general public and will educate adults and children on topics from drainage and water quality to recycling and composting.
- Project XL set up a booth at the Jeffersontown Gaslight Festival on September 16, 17, and 18, 2005. The booth offered several educational and pollution prevention activities:
 - Mercury. Digital thermometers were offered to anyone wishing to replace their old mercury thermometers. This allowed 42 mercury thermometers plus a jar of liquid mercury – for a total of over 4 pounds of mercury - to be removed from households, eliminating the possibility that the mercury will end up down the drain. (The mercury thermometers were taken to Hazbin (Jefferson County Household Hazardous Waste collection site) for recycling.
 - An Enviroscape model was set up and continuous demonstrations were provided to educate children and adults on the various ways stormwater can convey pollutants into the environment. The simulation also demonstrated the benefits of pollution prevention methods for homeowners and businesses alike.
 - Brochures/flyers/information were also distributed for the upcoming Backyard Conservation Workshop, Project XL, the Sinkholes in Chenoweth Run, and the upcoming Chenoweth Run Cleanup.

2.4 Reevaluation of SIUs

The criteria MSD has selected to determine if an industrial user is a SIU includes any of the following:

- If the user discharges greater than 5% of flow or loading of a pollutant of concern to the WTP.
- If the user has been in significant noncompliance (SNC) at any time during the preceding two years.
- If the user has a reasonable potential to adversely impact the WTP.
- If the user has the potential to discharge uncontrolled slug loads.

MSD, with the assistance of the Stakeholder Work Group, categorized industrial users into the following:

Significant Industrial Users (SIU): White Castle Foods, Lantech, Jones Plastic, JCK
Non-Significant Categorical Industrial Users (NCIU): Winston Products, HL Lyons
Industrial Users (IU): Papa Johns Foods, Beechmont Press, Bramco Brandeis, Cummins Cumberland, Dispensers Optical, Southern Standard Carton, Clark Detroit Diesel, Ryder Truck, Innovative Electric Design, Russtech, and Print-Tex.

Through stakeholder review and comment, MSD has issued an Industrial User agreement for Russtech. The effective date for this agreement was July 1, 2005. The Stakeholder workgroup did not identify any new SIUs or other changes to the permit relationship with the industrial users.

2.5 Reallocation of Resources

MSD has developed a plan for reallocation of 2005 freed industrial resources with the involvement of stakeholders. Industries with less annual costs resulting from a change in their regulatory arrangement are required to contribute at least half of their annual savings to stakeholder-approved supplemental environmental projects.

The following table lists the contributions that Industries with IU agreements have made toward these projects in 2005:

Company	Address	City	State	Zip	Amount to Bill
Beechmont Press	9951 Bunsen Way	Louisville	KY	40299	\$1,052.00
Bramco Brandeis	1801 Watterson Trail	Louisville	KY	40232	\$400.00
Clarke Detroit Diesel	2697 Grassland Drive	Louisville	KY	40299	\$802.00
Cummins Cumberland Inc	9820 Bluegrass Parkway	Louisville	KY	40299	\$247.00
Dispensers Optical	1815 Plantside Drive	Louisville	KY	40232	\$181.00
H.L. Lyons Co.	11401 Electron Drive	Louisville	KY	40299	\$1,200.00
Innovative Electronic Design	9701 Taylorsville Road	Louisville	KY	40299	\$275.00
P.J. Food Service	2002 Papa Johns Blvd	Louisville	KY	40269	\$253.00
Print-Tex USA	11198 Ampere Court	Louisville	KY	40299	\$325.00
Ryder Truck Rental Inc	10800 Plantside Drive	Louisville	KY	40299	\$332.00
Southern Standard Carton	P. O. Box 99037	Louisville	KY	40269	\$400.00
Winston Products Co	2345 Carton Drive	Louisville	KY	40299	\$1,120.00
					\$6,587.00

Note: Russtech was issued an Industrial User Agreement in July 2005. They will begin

annual contributions of \$1060.00, starting in January 2006.

MSD revised the sampling plan for the treatment plant, collection system and industries for 2005 with stakeholder input. A more detailed evaluation of sampling and administration costs will be discussed in the Annual Report.

2.6 Pollutant of Concern Initiatives

MSD continues to investigate initiatives to reduce pollutants of concern.

The following table identifies the current thinking on potential initiatives to develop during this project:

Pollutant of Concern	Potential Initiatives	Status
Copper	KPPC Industrial Audits Additional "clean" analytical work Watershed-based pollution prevention Monitor trunk sewer and WTP influent loading Work with Louisville Water Company to reduce corrosion Educate public re: root control chemicals (copper sulfate) Establish BMPs for closed loop cooling towers, circulating hot water and closed loop refrigerant systems Educate plumbers and designers about copper piping	Complete Complete On-going On-going On-going On-going On-going On-going Future
Lead	KPPC Industrial Audits Additional "clean" analytical work Use more sensitive technique for analytical work Monitor trunk sewer and WTP influent loadings Work with Louisville Water Company to reduce corrosion Review radiator shops in the area, work to establish BMPs.	Complete Complete On-going On-going On-going On-going
Mercury	KPPC Industrial Audits Additional "clean" analytical work Watershed-based pollution prevention Monitor trunk sewer and WTP influent loading Mercury thermometer exchange Check with analytical laboratories in the area on their practice to capture mercury-laden wastes Investigate medical laboratories in the sewershed Implement BMPs for Dentist offices within the sewershed (including preparing an educational CD on the subject.)	Complete Complete On-going On-going On-going On-going On-going On-going
Cadmium	Monitor trunk sewer and WTP influent loadings	On-going
Cyanide – Amenable	KPPC Industrial Audits Additional "clean" analytical work Use of a more sensitive analytical technique Monitor trunk sewer and WTP influent loadings	Complete Complete Complete On-going

BOD TSS NH3-N Phosphorus	Monitor trunk sewer and WTP influent loadings Restore tree canopy along Chenoweth Run No additional measures are required at this time since MSD's treatment facilities can reliably achieve compliance with effluent limits	On-going On-going
General	Perform a pollution prevention audit on MSD facilities within the watershed Educate the Public about POCs at the Gaslight festival and on MSD webpage	Complete On-going

MSD is making efforts to quantify the success of these initiatives. MSD anticipates the quantified change in pollutant concentrations to be very small over the five year period. Success for some of these measures may take decades to be realized.

2.7 Supplemental Environmental Projects

MSD has identified six projects that industry contributions will fund in 2005. A summary of the projects is listed below:

1. Environmental education Seminar at U of L – A seminar was held at the University of Louisville to educate the public about the environmental stressors in Chenoweth Run. The seminar was held July 21, 2005.
2. Booth at Gaslight Festival – There was a booth at the Gaslight Festival for the purpose of environmental education to the public.
3. Backyard Conservation Workshop – The Workshop is scheduled for October 1, 2005 at Veteran's Memorial Park in Jeffersontown. The workshop will be held to educate and inform adults and children through seminars offered by experts from several local agencies.
4. Chenoweth Run Creek Clean-up – is scheduled for October 22, 2005. MSD will assist the City of Jeffersontown in the activities.
5. Streamside Habitat Restoration – Clem Property - This project was funded partially in 2003, however environmental conditions have delayed the project from starting in 2003. These efforts will be completed in 2005 with funding from 2003.
6. Informative and educational materials regarding mercury – A CD will be prepared through a joint effort between MSD and KPPC. The CD will educate dentists about mercury and best management practices to keep it out of our environment.

3.0 DATA COLLECTION AND TREND CHARTS

3.1 Monitoring

Data has been collected during the first half of 2005. MSD has further streamlined the monitoring efforts in this project with the endorsement of the stakeholder work group.

3.2 Trend Charts

With EPA approval, MSD will not be providing trend charts with this semi-annual report due to a conversion in software and programming. Updated trend charts will be provided in the Annual Report.

3.3 Narrative on Trends

With EPA approval, MSD will not be providing a detailed discussion on data and trends with this semi-annual report due to a conversion in software and programming. Updated discussion on data and trends will be provided in the Annual Report.

3.4 Future Efforts

MSD will continue implementing this project during the next six-month period. Substantial efforts over the next six months include:

- Participate in the Backyard Conservation Workshop, a supplemental environmental project to be held in J-Town and sponsored by Project XL.
- Participate in the Chenoweth Run Clean-up, a supplemental environmental project sponsored through Project XL.
- Develop the mercury pollution prevention awareness materials, a supplemental environmental project sponsored through Project XL.
- Quantify the results from the mercury thermometer exchange and public informational booth at the 2005 Jeffersontown Gaslight Festival (Supplemental Environmental Project).
- Hold a stakeholder work group meeting in early 2006 to review 2005 data, confirm SIUs and POCs. Work with the project stakeholders to identify and plan future supplemental projects.
- Continue Project XL sampling at SIUs, collection system manholes, treatment plant influent/effluent/biosolids and Chenoweth Run.
- Begin preparation of the next Annual Report.

- Plan a tour of the watershed in conjunction with the next annual stakeholder meeting.
- Continue looking for avenues to publicize this project and commend the project partners.
- Make additional progress on POC reduction strategies including BMP development.

APPENDIX A –
APRIL 2005 STAKEHOLDER MEETING MINUTES

Project XL Annual Stakeholders Meeting MINUTES

Date: April 13, 2005 **When/Where:** 4:00 – 6:00 pm at Jtown Library

Attendees: Attached **Summary Notes prepared by:** Sharon Worley

The meeting followed the meeting agenda (shown here). Revisions or additions to the Meeting Agenda are shown in Italics.

A. Introduction of Attendees

List of attendees attached.

B. Project Status

Project XL was initiated in June 2002. Environmental Projects were conducted in 2003 and 2004. Project XL will complete the designated 5 year period in May 2007.

MSD originally issued Industrial User (IU) Agreements in lieu of Significant Industrial User (SIU) permits to 12 eligible industries. Four industries were originally issued SIU permits. In 2003, MSD issued SIU permits to Russtech and JCK Enterprises, Inc. As new dischargers, these companies are on two year demonstration periods as determined by stakeholders. Since that time, no new IU Agreements or SIU permits have been issued.

C. Updated list of Pollutants of Concern

Pollutants of Concern & other monitored pollutants are shown on the following.

Parameter	Frequent Exceedances in TP Effluent of the PM	Increasing Trend of TP Effluent toward PM	Stream Quality Approaching WQS (1)	Parameter noted on 303d list	NPDES Permit limit
Arsenic	No	No	No	No	No
Cadmium	No	No	No	No	No
Chromium	No	No	No	No	No
Copper	No⁽²⁾	No	Yes⁽²⁾	No	No
Cyanide, A	Yes	No	Yes⁽²⁾	No	No
Iron	NA	NA	No	No	No
Lead	Yes⁽²⁾	No	Yes⁽²⁾	No	No
Mercury	No⁽²⁾	No	Yes⁽²⁾	No	No
Nickel	No	No	No	No	No
Selenium	No	No	No	No	No
Silver	No	No	No	No	No
Zinc	No	No	No	No	No
BOD	No	No	NA	No	Yes
TSS	No	No	NA	No	Yes
Ammonia	No	No	NA	No	Yes
Phosphorus	No	No	NA	Yes	Yes

(1) Approaching Stream WQS is considered true if there have been multiple exceedances in past two years.

(2) Detection limit issue.

D. Updated list of Significant Industrial Users

This table shows Industrial contributions as a Percent of Treatment Plant Influent in 2004. (Following the Stakeholder mtg, revisions were made to reflect discussion and are shown in italics.):

	Flow (mgd)	BOD	TSS	Ammonia N	Total Phosphorus	Copper	Lead	Mercury	Cyanide, Amenable
Tributary to MH 1									
Jones P&E	2.70%	-	-		-	5.22%	2.89%	-	
Lantech	0.04%	-	0.05%	-	5.42%	0.19%	0.08%	-	
Russtech Admixtures	0.13%	1.69%	0.41%				0.28%		0.07%
Tributary to MH 2									
WCD	0.50%	14.83%	4.62%			5.12%	0.50%	0.00%	
Tributary to MH 3 (none)									
Tributary to MH 4									
JCK Enterprises	0.27%	0.95%	0.17%			0.10%	0.06%	0.00%	
Tributary to MH 5									

RusTech: SIU permit was issued January 1, 2003 and expires December 31, 2008; eligible for IU Agreement on January 1, 2005.

It was explained that RussTech manufactures admixtures for concrete by use of mixing corn syrup, lignin liquor and calcium chloride. The admixtures manufactured include accelerators, retarders, air entrainers, water reducers and plasticizer. The product is distributed to concrete suppliers for roadway applications.

Meeting attendees suggested that RussTech have a Pollution Prevention (P2) Audit performed with emphasis on the Pollutants of Concern. Following that, transition to an IU Agreement is endorsed by the stakeholders. [It was determined after the meeting that Russ Tech did have a P2 Audit performed by KPPC in February 2003, so an Industrial Agreement has been issued, effective July 1, 2005.]

JCK: SIU Permit effective July 14, 2003 and expires July 1, 2007; eligible for IU Agreement on July 14, 2005.

It was explained that JCK is a categorical metal finisher industry that fabricates metal parts to include shearing, forming, punching, welding, grinding, painting and assembly. The company manufactures various types of metal finishing products such as cabinet fixtures and other wide range s of metal finishing products.

MSD will collect phosphorus data from the facility during the next sampling event. If that does not indicate any concerns, meeting attendees suggested that JCK have a

Pollution Prevention (P2) Audit performed with emphasis on the Pollutants of Concern. Following that, transition to an IU Agreement is endorsed by the stakeholders after July 14, 2005.

A revised sampling schedule for SIUs for 2005 follows:

	Flow (mgd)	BOD	TSS	Ammonia N	Total Phosphorus	Copper	Lead	Mercury	Cyanide, Amenable
Tributary to MH 1									
Jones P&E	X					X			
Lantech	X				X				
Tributary to MH 2									
WCD	X	X				X			
Tributary to MH 3									
Tributary to MH 4									
JCK (if still an SIU)	X				X				
Tributary to MH 5									

E. Proposed Modifications To 2005 Sampling Schedule

See attached table.

It is recommended that sampling of the sewer trunkline be reduced from 4 days/quarter to 1 day/quarter for trunklines which do not have SIUs. (This would apply to trunklines 3 and 5 – and eventually trunkline 4 if JCK drops from SIU status.)

Recommendation was endorsed by the stakeholders.

It was requested that MSD provide an update on biological data including algae and overall Stream health at next Stakeholder meeting.

It was further recommended that grab samples be collected at 4 different locations of the stream – maybe coordinate with Salt River Water Watch.

An analytical method that would provide a lower detection limit for mercury should be used for stream sample analysis.

E. Environmental Projects

<u>PROPOSED PROJECTS FOR 2005 & DESIGNATED REPRESENTATIVES</u>	<u>PROPOSED FUNDING (MAX)</u>
Education re: Mercury (Jennifer Hatfield, Sue Green)	\$2,000
Chenoweth Run Cleanup (John Cosby, Missy Tapp)	\$1,500
Backyard Habitat Workshop (Sharon Worley)	\$1,000
Gaslight Festival Booth (Greg Ratliff, Kandyce Groves)	\$1,750
Environmental Education Class at UofL (Teena Halbig)	\$1,000
Watershed Tour of Chenoweth Run area (Kurt Mason)	\$1,000
Streamside Habitat Restoration @ Clem Property (Jeff Frank)	<i>No new funding in 2005</i>
TOTAL	\$8,250

Environmental Project representatives gave brief summaries of plans for this year's projects. Key points are summarized here:

Education Regarding Mercury – *Educational CDs and posters will be prepared and distributed to local dental offices. The mercury thermometer exchange will also be conducted as part of the Gaslight Festival Booth.*

Proposed Completion Date: December 2005

Chenoweth Run Cleanup – *The event will be held in the fall and will include Hazardous Waste Collection. Efforts will be made to expand the cleanup to the area across Taylorsville Road. A meal will likely be served afterward with prizes given for best/most trash collected. The local Boy Scouts will likely want to participate.*

Proposed Date: mid to late October??

Backyard Habitat Workshop – *The event will be conducted very similar to last year's event, but will be followed by the Watershed Tour of Chenoweth Run.*

Proposed Date: October 8, 2005

Watershed Tour of Chenoweth Run - *Bus tour of Chenoweth Run watershed will be offered.*

Proposed Date: October 8, 2005 (after Backyard Habitat Workshop)

Gaslight Festival Booth – *Postcards will be mailed regarding booth and mercury thermometer exchange.*

Date: September 12 - 18, 2005

Environmental Education Class - *Class will be held one evening this summer at UofL Vogt Building. Post cards will be mailed to invite Chenoweth Run residents. Lead screening and mercury informational pamphlets will be available.*

Date: TBD

F. Pollutant of Concern Reduction Strategy

Ideas for reducing POCs are listed:

POC	Reduction Initiatives Under Consideration
Copper	<ul style="list-style-type: none"> • Work with the water company to make the drinking water less corrosive. • Educate plumbers and designers about copper piping. • Educate the public on the use of copper sulfate root killers. • Minimize copper discharge from cooling towers, circulating hot water and closed loop refrigerant systems.
Lead	<ul style="list-style-type: none"> • Work with the water company to make the drinking water less corrosive.
Mercury	<ul style="list-style-type: none"> • Implement BMPs for Dentist offices with in the sewershed. • Educate the public about mercury at the Gaslight festival. • Check with analytical laboratories on their practices to capture mercury-laden wastes. • Investigate medical laboratories in the sewershed.
Cyanide Amenable	<ul style="list-style-type: none"> • Track down potential sources through trunk sewer investigation.
BOD, TSS, NH3, P	<ul style="list-style-type: none"> • No specific measures are required at this time since MSD’s treatment facilities can reliably achieve compliance with effluent limits.

G. TMDL for Floyds Fork Basin – Teena Halbig’s request

Teena will forward information about the proposed project for review. The proposed project is a watershed management plan for all of Floyds Fork (includes Chenoweth Run) and is seeking funding through KDOW 319 grant funds. A letter of support of the project is being requested from several entities, including Project XL. Meeting attendees indicated support of this effort.

Current and Proposed Sampling Frequencies for Pollutants of Concern (POC)

Sampling Location	Current Number of Samples for POC Analysis per Year	Proposed Number of Samples for POC Analysis per Year
SIUs	16	16
Manhole # 1	16	16
Manhole # 2	16	16
Manhole # 3	16	4
Manhole # 4	16	4 (if JCK is no longer an SIU)
Manhole # 5	16	4
Manhole # 6	4	4
TP Influent	24	24
TP Effluent	24	24
TP Biosolids	4	4
Stream – upstream of TP	4	4
Stream – downstream of TP	4	4

List of Attendees

Teena Halbig, Floyds Fork Environmentalists

Jeff Frank

Missy Tapp

Dan Knowles

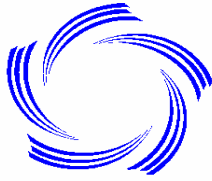
Greg Ratliff

Kandyce Groves

Sue Green

Sharon Worley

**APPENDIX B –
MARCH 2005 WORKGROUP MEETING MINUTES**



MSD



Jeffersontown/Chenoweth Run – XL Pilot Project Work Group Meeting Summary

Date: March 10, 2005 (11:30 pm @ Perkins Restaurant)

Attendees: Attached **Summary Notes prepared by:** Sharon Worley

A Work Group meeting was held for the purpose of brainstorming ideas for Environmental Projects for this year. The attached summary of past projects was provided to attendees. The following is a brief summary of recommendations made at the meeting.

MERCURY EDUCATION:

- Brochures could be distributed to local dentists
- Training CDs rather than videos - may be cheaper and/or more user friendly

PUBLICITY:

- submit POC Fact Sheet information (or similar) to C-J for use in their Health & Fitness focus information
- yard signs downtown Jtown
- call attendees from last year
- handouts at Gaslight Festival re: workshop
- refrigerator flyers
- press releases for each project
- KPPC and MSD and other websites
- call Cindy Sullivan and others early
- Church bulletins
- Stuart Benson's electronic newsletter

CR CLEAN UP:

- collect hazardous wastes at same event
- combine with Spruce Up
- talk to residents along creek for permission to clean along their property
- go farther north or south than previous years
- hide coupons in Easter eggs
- prizes for most/best junk collected
- have meal with awards after event (helps to make it measurable)
- invite Boy Scouts, Girl Scouts, school kids

BACKYARD HABITAT WORKSHOP

- advertise better
- include Sinkhole presentation by or for KGS
- give certificates or awards to speakers

ENVIRONMENTAL EDUCATION

- consider speaking about project and POCs to UofL students - Teena to talk to Russ Barnett
- could help work Earth Day booth with KPPC

WATERSHED TOUR

- Kurt suggested renting a bus to take interested citizens around to view real world examples of riparian restoration, etc.

GASLIGHT FESTIVAL BOOTH

- might want to hand out different trees like wild plum, hazelnut, or hawthorne
- advertise much more

Clem Farm Restoration project

- Jeff Frank not present at mtg., but we're assuming that project to continue this year.

The following is a list of proposed Environmental Projects for 2005:

- 1.) Education re: Mercury - Jennifer Hatfield, Sue Green
- 2.) Chenoweth Run Cleanup - John Cosby, Missy Tapp
- 3.) Backyard Habitat Workshop - Sharon Worley
- 4.) Gaslight Festival Booth - Greg Ratliff, Kandyce Groves
- 5.) Environmental Education Class at UofL - Teena Halbig
- 6.) Watershed Tour of Chenoweth Run area - Kurt Mason
- 7.) Streamside Habitat Restoration @ Clem Property - Jeff Frank

List of Attendees – March 10, 2005

1. Teena Halbig, Floyds Fork Environmental Association (FFEA)
2. Jennifer Hatfield, KPPC
3. Kurt Mason, Natural Resources Conservation Service
4. David Jones, KY Division of Fish and Wildlife
5. Missy Tapp, City of Jtown
6. Elizabeth Coyle, MSD
7. Lisa Gaus, MSD
8. Greg Ratliff, MSD
9. Sharon Worley, MSD
10. Kandyce Groves, MSD
11. Sue Green, MSD
12. Mark Sneve, Strand Associates