MONTHLY PROJECT REPORTS

As of February 28, 2013

Little Miami Watershed
## Monthly Project Report
**Little Miami Watershed Dashboard**

### Project Status as of February 28, 2013

### AT-A-GLANCE SUMMARY

<table>
<thead>
<tr>
<th>Project Name</th>
<th>Float (Least) to Milestone</th>
<th>Schedule Health Indicator</th>
<th>Change in Schedule Health Indicator from Last Month</th>
<th>Current Budgeted Project Cost</th>
<th>Estimated Cost at Completion</th>
<th>Projected (Over-run) or Under-run</th>
<th>Budget Health Indicator</th>
<th>Change in Budget Health Indicator from Last Month</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eastern and Delta Sewer Separation – Phase 3</td>
<td>306 days</td>
<td>GOOD!</td>
<td>No change</td>
<td>$7,364,600</td>
<td>$7,049,000</td>
<td>$315,600</td>
<td>GOOD!</td>
<td>No change</td>
</tr>
<tr>
<td>Little Miami WWTP Bundle Planning Only</td>
<td>N/A</td>
<td>GOOD!</td>
<td>No change</td>
<td>$6,616,500</td>
<td>$6,350,000</td>
<td>$266,500</td>
<td>GOOD!</td>
<td>No change</td>
</tr>
<tr>
<td>Lower Little Miami Bundle</td>
<td>0 days</td>
<td>CRITICAL!</td>
<td>ROW Negotiations</td>
<td>$3,100,000</td>
<td>$2,900,000</td>
<td>$200,000</td>
<td>GOOD!</td>
<td>No change</td>
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<tr>
<td>Oakley Station CSO 551 and 553 Separation Sewer</td>
<td>1,706 days</td>
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<td>No change</td>
<td>$9,742,600</td>
<td>$9,742,600</td>
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<td>GOOD!</td>
<td>No change</td>
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<tr>
<td>Upper Duck Creek Bundle Planning Only</td>
<td>519 days</td>
<td>GOOD!</td>
<td>No change</td>
<td>$4,122,000</td>
<td>$3,952,000</td>
<td>$170,000</td>
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<td>No change</td>
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<tr>
<td>Dry Run Area Sewers Phase 1 – Contract B</td>
<td>N/A</td>
<td>GOOD!</td>
<td>No change</td>
<td>$16,521,000</td>
<td>$12,935,000</td>
<td>$3,586,000</td>
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<td>Dry Run Area Sewers Phase 1 – Contract 8 Mile</td>
<td>N/A</td>
<td>GOOD!</td>
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<td>$5,800,000</td>
<td>$5,800,000</td>
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<tr>
<td>Dry Run Area Sewers Phase 2 – Contract Broadwell</td>
<td>N/A</td>
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<td>No change</td>
<td>$2,500,000</td>
<td>$2,500,000</td>
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<tr>
<td>Dry Run Area Sewers Phase 2 – Contract Round Bottom</td>
<td>N/A</td>
<td>GOOD!</td>
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<td>$7,849,000</td>
<td>$7,849,000</td>
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<td>GOOD!</td>
<td>No change</td>
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<tr>
<td>Little Miami WWTP and Muddy Creek WWTP Blower Efficiency Upgrade</td>
<td>N/A</td>
<td>GOOD!</td>
<td>No change</td>
<td>$16,614,000</td>
<td>$12,426,000</td>
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<tr>
<td>Little Miami WWTP Four Mile Pump Station Improvements</td>
<td>N/A</td>
<td>GOOD!</td>
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<td>$3,482,000</td>
<td>$2,528,000</td>
<td>$954,000</td>
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<tr>
<td>Little Miami WWTP Service Water Reliability and Service Upgrade</td>
<td>N/A</td>
<td>GOOD!</td>
<td>No change</td>
<td>$2,860,000</td>
<td>$2,860,000</td>
<td>---</td>
<td>GOOD!</td>
<td>No change</td>
</tr>
</tbody>
</table>
Monthly Project Report
Little Miami Watershed Dashboard

Schedule
The available float each project milestone is in excess of 180 calendar days.
The available float to any project milestone is between 180 and 90 calendar days.
The available float to any project milestone is less than 90 calendar days and there is more than 45 calendar days of scheduled work remaining.

Budget
The estimated project costs at completion are 110% or less of the current estimated project cost.
The estimated project costs at completion are between 110% and 120% of the current estimated project cost.
The estimated project costs at completion are in excess of 120% of the current estimated project cost.
The Eastern Avenue and Delta Avenue Sewer Separation Bundle includes three phases intended to improve the quality of the Ohio River by separating sanitary flows from storm water. Storm water inlets, ravines, driveway drains, and parking lot drains will be diverted from the combined sewer system. Separating the storm and sanitary flows will eliminate the combined sewage overflow events that occur during wet weather at CSO 467A and CSO 657.

Phase 3 of this bundle of projects involves construction of 6,000 feet of new sanitary sewer for the area west of Delta Avenue and south of Eastern Avenue. This project was classified as a “Phase 1” Wet Weather Improvement Plan project because it has the ability to reduce the volume of sanitary flow discharged through combined sewers during wet weather events. Phase 3 is the final phase for this bundle. All work associated with this project will be substantially complete by the Consent Order Milestone date of December 31, 2015 (Attachment 1A – Final WWIP).

Current Activities and Accomplishments
Design activities have been completed for this project, and right-of-way acquisition for two easements is on-going. A settlement was reached with the private easement in court in December. Eight agreements from ten property owners have been signed. Of the two remaining, Southern Regional Ohio Transit Authority (SORTA) provided a commitment to grant right-of-entry while the contract language is being revised, and the contract is being revised for Queen City Terminal.

Look Ahead
Acquisition of the two remaining easements is expected to be complete by the end of March 2013.

Issues
There are no issues at this time.
Little Miami Wastewater Treatment Plant Bundle

**PROJECT INFORMATION**

- **Project ID:** 10170789
- **Municipality:** City of Cincinnati – East End
- **Basin:** Little Miami
- **Project Phase:** Planning

**PROJECT TEAM**

- **Planner:** Matt Spidare
- **Project Manager:** TBD
- **Planning Consultant:** Arcadis/Malcolm Pirnie
- **Design Consultant:** TBD
- **Construction Inspector:** TBD
- **Contractor:** TBD

**CONSENT DEGREE MILESTONES**

- **Milestone** | **Dates** | **Float** | **Status**
- PTI Submittal |  |  |  
- Start Construction | No consent decree milestones for Phase I |  |  
- Complete Construction |  |  |  

**PROJECT PURPOSE AND BENEFIT**

This project will provide planning for the necessary upgrades, expansion, and reliability to treat a firm dry weather capacity of 35 MGD through the entire plant and a firm wet weather capacity of 100 MGD through primary treatment and disinfection. Specific processes to be evaluated include: pumping, hydraulics, chemically enhanced primary, secondary modifications, chemical feed systems, a sludge receiving facility, and dual standby power. Planning for the bundle will be completed under this project number.

The Little Miami Wastewater Treatment Plant bundle projects being planned under this project number are scheduled for planning and design during Phase I and construction in Phase 2 (after 2018) of the Wet Weather Improvement Program. Upon completion of the planning phase, priority infrastructure needs will be identified and included in subsequent capital improvement plans.

**PROJECT STATUS**

- **Current Activities and Accomplishments**
  The January Monthly Progress Report was delivered on February 5th, and the Progress Update Meeting was held on February 12th. Work in February focused on continued work on the Collection System Operational Strategy, and development of alternatives for the five process areas: pumping, preliminary treatment, liquid-stream, solid-stream, standby power, and other electrical. The Condition and Capacity Assessment was submitted to MSD on February 13th. The consultant incorporated feedback and comments into the Data Collection Plan and submitted to MSD on February 20th. Additional work included continued development of the Alternative Analysis and Report, and several workshops were held. The draft Treatment Studies Tech Memo was delivered on February 15th. A draft of the Project Functional Requirements was submitted to MSD on February 21st.

- **Look Ahead**
  The draft Chemically Enhanced Treatment Tech Memo is due March 4th. The February Progress Report is due March 5th. A Summary of Alternatives for the Alternatives Analysis Report will be delivered on March 12, 2013. The draft Operational Objectives Tech Memo is due March 27th. A follow-up meeting on the draft Project Functional Requirements is scheduled for March 28th. The draft Alternative Analysis is scheduled for delivery in June.

- **Issues**
  There are no issues at this time.

**PROJECT BUDGET OVERVIEW**

- **Current Estimated Project Cost (Planning Only):** $6,350,000
  - **Legislated Funds:** $6,616,500
  - **Actual Costs to Date:** $726,475
  - **% Complete Current Estimated Project Cost:** 11%

**SCHEDULE OVERVIEW**

- **Project Phase** | **Project Activities** | **Schedule for Completion** | **Actual Date of Completion**
- Planning & Design | Project Legislated | 2012 CIP
- | 100% Planning | March 2014
- | 100% Design | TBD
- Permitting (PTI Submittal) | TBD
- ROW Acquisition | TBD
- Bidding & Construction | Start Construction | TBD
- | Complete Completion | TBD

**This bundle is located in the southeastern part of Hamilton County in the Little Miami River Drainage Basin.**

The Little Miami WWTP service area is located in the southeast quadrant of Hamilton County, and includes the following neighborhoods of the City of Cincinnati: Kennedy Heights, Madisonville, Oakley, Hyde Park, Mount Lookout, East End, Pleasant Ridge, Linwood, and Evanston; and the municipalities of Fairfax, Mariemont, Madeira, Silverton, Norwood, Indian Hill, Columbia Township, Anderson Township, Symmes Township, the Village of Indian Hill, Newtown, and Terrace Park. The area is bordered on the south by the Ohio River, on the east by Clermont Country, on the west by the Mill Creek service area, and on the north by the Sycamore WWTP service area.
The Lower Little Miami Bundle includes two projects intended to improve the quality of the Lower Little Miami River by eliminating combined sewer overflow events at CSOs 470 and 471. The overflows will be reduced via a combination of alternatives including construction of separate storm and sanitary sewer systems.

Area residents will be less impacted by surcharging and flooding that occurs during wet weather. This project was classified as a “Phase 1” Wet Weather Improvement Plan project because it has the ability to reduce the volume of sanitary flow discharged from old sewers during wet weather events. All work associated with this project will be substantially completed by the Consent Order Milestone date of December 31, 2015.

As easements became available, the project was divided up into separate phases.

**Current Activities and Accomplishments**

CSO 471 is being designed under Project ID 10171840. The design of CSO 470 Sewer Separation is under one project ID: 10171860, and was divided into four phases for construction: Phase 1 (10171860), Phase 2 (10171861), Phase 3 (10171862), and Phase 4 (10171863). Phase 1 was completed in 2011. Phase 2 construction was substantially complete in September 2012.

Right-of-way activities continue for Phases 3 and 4. For CSO 470, two easements remain. The owners are Southern Regional Ohio Transit Authority (SORTA) and Dalton Roofing. For CSO 471, negotiations with the National Institute for Occupational Safety and Health (NIOSH) are complete, and the National Environmental Policy Act (NEPA) document is complete, which is required to obtain easements. NIOSH will grant the easement after the public comment period is over. MSD is negotiating with NIOSH to do a sidewalk study in lieu of payment of the easement. A task order to do the sidewalk study is being prepared.

**Look Ahead**

The public comment period for NIOSH ends March 15th. Right-of-way negotiations will continue through June 2013.

**Issues and Risks**

MSDGC will implement a schedule recovery plan to ensure that Consent Decree milestones are met.
Oakley Station CSO 551 and 553 Separation Sewer

**Project Status as of February 28, 2013**

**Project ID**
10171741

**Municipality**
Cincinnati (Oakley)

**Basin**
Little Miami

**Project Phase**
Design-Build

**Project Manager**
Ali Bahar

**Design Consultant**
Brown and Caldwell

**Construction Manager**
Sara Cramer

**Contractor**
Ulliman Schutte

**Milestone Dates Float Status**
- PTI Submittal: 12/31/2016 Met
- Start Construction: 12/31/2017 1706 days No delay
- Complete Construction: 12/31/2018 1826 days No delay

**Current Activities and Accomplishments**
The Preliminary Basis of Design Memorandum, Geotechnical Baseline Report, Preliminary Tech Specs, Preliminary Design Drawings, and Project Management Plan were submitted on February 15th.

**Look Ahead**
Future work for CSO 551 is being evaluated under the Upper Duck Creek Bundle (10170000).

**Issues**
There are no issues at this time.

**Current Estimated Project Cost**
$9,742,600

**Legislated Funds**
$9,742,600

**Actual Cost To-Date**
$62,122

**% Complete Current Estimated Project Cost**
0.6%
The Upper Duck All Bundle (UDAB) includes 15 projects intended to improve the quality of Duck Creek by reducing several sanitary sewer overflows and combined sewer overflows to levels required in the Final WWIP. Overflows from 13 CSOs and two SSOs will be reduced via a combination of alternatives including construction of separate storm and sanitary sewer systems, a storage facility, and a high rate treatment facility.

These projects were classified under the Wet Weather Improvement Plan (WWIP) because they provide MSD with the ability to eliminate existing overflows. All work associated with planning these bundle projects will be substantially complete by the Consent Order Milestone date of December 31, 2016 (Attachment 1A – Final WWIP). Additionally, six of the bundle projects including elimination of SSOs 228 and 1000, improvements to CSOs 54 and 187, and sewer separation for CSOs 551 and 553, will be constructed by December 31, 2018.

CSOs 551 and 553 are part of the Oakley Station design/build project (10171741).
Dry Run Area Sewers Phase 1 Contract B

The combined Phase 1 and 2 project will construct over 3,000 linear feet of 15” to 42” sanitary sewer in Anderson Township, eliminating the Dry Run Pump Station. The project provides trunk sewers necessary to provide service to the 4,700 unsewered acres of the Dry Run Drainage Sub-Basin, potentially eliminating 74 Home Sewage Treatment Systems (HSTS).

Dry Run Area Sewers Phase 1 was originally legislated in the 1993 CIP and assigned project number 10270000. Phase 2 was legislated in the 2005 CIP and assigned project number 10270005. As planning and design continued on both phases, easements became available to construct part of Phase 1 and a portion of Phase 2 as Contract A.

The remaining portion of Phase 1 was split into two contracts: Contract B (10270000-B) and Contract 8 Mile (10270000-8M).

Current Activities and Accomplishments
A Construction Progress Meeting was held on February 13th.

Equipment was relocated from Hickory Creek Drive to Manhole (MH) #33. The receiving pit in the area of MH #33 has been re-excavated and the base of the hillside area along Eight Mile Road has been re-benched. The lateral tap was installed under Eight Mile Road to 3173 Eight Mile Road. MH #33 has been installed and the conduit installation continues beyond MH #34.

Look Ahead
A Construction Progress Meeting is scheduled for March 6th.

Sewer is scheduled to be installed from MH #32 to MH #36 by March 6th. Temporary easements were obtained; therefore, the contractor can remobilize equipment back to MH #15 and start installing sewer up to MH #25 during the week of March 18th.

Issues
There are no issues at this time.
Dry Run Area Sewers Phase 1 Contract 8 Mile

PROJECT INFORMATION

Project ID 10270008 (10270000 design)
Municipality Anderson Township
Basin Little Miami
Project Phase Design

PROJECT TEAM

Project Manager Lindsey Staley
Design Consultant In-house
Construction Manager TBD
Construction Inspector TBD
Contractor TBD

OVERALL PROJECT SCHEDULE

Key Project Activities Anticipated Dates
PTI Submittal April 2014
Start Construction August 2015
Complete Construction February 2017

PROJECT PURPOSE AND BENEFIT

The combined Phase 1 and 2 project will construct over 33,000 linear feet of 15” to 42” sanitary sewer in Anderson Township, eliminating the Dry Run Pump Station. The project provides trunk sewers necessary to provide service to the 4,700 unsewered acres of the Dry Run Drainage Sub-Basin, potentially eliminating 74 Home Sewage Treatment Systems (HSTS).

Dry Run Area Sewers Phase 1 was originally legislated in the 1993 CIP and assigned project number 10270000. Phase 2 was legislated in the 2005 CIP and assigned project number 10270005. As planning and design continued on both phases, easements became available to construct part of Phase 1 and a portion of Phase 2 as Contract A. The remaining portion of Phase 1 was split into two contracts: Contract B (10270000-B) and Contract 8 Mile (10270000-8M). This portion of the project includes construction of approximately 4,400 feet of 15-inch to 30-inch diameter sanitary sewer to eliminate the Ivy Trails Flush Pump Station. The project has the potential to eliminate two additional pump stations through subsequent construction of local sewers.

PROJECT STATUS

Current Activities and Accomplishments

One U.S. Army Corps of Engineers Nationwide Permit for all of the Dry Run contracts was applied for in January. The 90% design was completed in September 2012. Easements were forwarded to the appraiser in December 2012.

The easements are under appraisal.

Look Ahead

The easement acquisition process is expected to take two years.

Issues

There are no issues at this time.

PROJECT BUDGET OVERVIEW

Current Estimated Project Cost $5,800,000
Legislated Amount $0
Actual Cost To-Date $0
% Complete Cumulative Estimated Project Cost 0%

All planning, design, permitting, and right-of-way activities are being performed under Project ID 10270000. The project area for the Dry Run Area Sewers Eight Mile Contract is outlined in purple. The project is located between 3100 Eight Mile Road and 2623 Eight Mile Road in the Dry Run Sewershed of the Little Miami Basin in Anderson Township, Hamilton County, Ohio.
Dry Run Area Sewers Phase 2 Contract Broadwell

The combined Phase 1 and 2 project will construct over 33,000 linear feet of 15” to 42” sanitary sewer in Anderson Township, eliminating the Dry Run Pump Station. The project provides trunk sewers necessary to provide service to the 4,700 unsewered acres of the Dry Run Drainage Sub-Basin, potentially eliminating 74 Home Sewage Treatment Systems (HSTS).

Dry Run Area Sewers Phase 1 was originally legislated in the 1993 CIP and assigned project number 10270000. Phase 2 was legislated in the 2005 CIP and assigned project number 10270005. As planning and design continued on both phases, easements became available to construct part of Phase 1 and a portion of Phase 2 as Contract A. The remaining portion of Phase 2 was split into two contracts: Contract RB (10270007) and Contract BW (10270009). This portion of the project includes construction of approximately 4,800 feet of 18-inch to 24-inch sanitary sewer.

Current Activities and Accomplishments

The Broadwell contract is currently in design. The 90% design was completed by a consultant and submitted on June 22, 2007, but easement acquisition prevented the final design from moving forward to construction. The final design will be completed in-house. A Permit-to-Install (PTI) was issued separately for this project, and expired on September 3, 2012.

This project is going through right-of-way review concurrently with Dry Run Area Sewers Round Bottom. Appraisals are complete and MSD is in contract negotiations to obtain easements from four property owners.

One U.S. Army Corps of Engineers Nationwide Permit for all of the Dry Run contracts was applied for in January.

Look Ahead

The construction legislation process will begin in early 2014.

Issues

There are no issues at this time.

PROJECT STATUS

Current Estimated Project Cost $2,500,000
Legislated Amount $0
Actual Cost To-Date $0
% Complete Cumulative Estimated Project Cost 0%

All planning, design, permitting, and right-of-way activities are being performed under Project ID 10270005.
Dry Run Area Sewers Phase 2 Contract Round Bottom

PROJECT INFORMATION

- **Project ID**: 10270007 (10270005 design)
- **Municipality**: Anderson Township
- **Basin**: Little Miami
- **Project Phase**: Design

PROJECT TEAM

- **Project Manager**: Lindsey Staley
- **Design Consultant**: In-house
- **Construction Manager**: TBD
- **Construction Inspector**: TBD
- **Contractor**: TBD

OVERALL PROJECT SCHEDULE

<table>
<thead>
<tr>
<th>Key Project Activities</th>
<th>Anticipated Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>PTI Submittal</td>
<td>MET</td>
</tr>
<tr>
<td>Start Construction</td>
<td>December 2013</td>
</tr>
<tr>
<td>Complete Construction</td>
<td>December 2014</td>
</tr>
</tbody>
</table>

PROJECT PURPOSE AND BENEFIT

The combined Phase 1 and 2 project will construct over 33,000 linear feet of 15” to 42” sanitary sewer in Anderson Township, eliminating the Dry Run Pump Station. The project provides trunk sewers necessary to provide service to the 4,700 unserviced acres of the Dry Run Drainage Sub-Basin, potentially eliminating 74 Home Sewage Treatment Systems (HSTS).

Dry Run Area Sewers Phase 1 was originally legislated in the 1993 CIP and assigned project number 10270000. Phase 2 was legislated in the 2005 CIP and assigned project number 10270005. As planning and design continued on both phases, easements became available to construct part of Phase 1 and a portion of Phase 2 as Contract A. The remaining portion of Phase 2 was split into two contracts: Contract RB (10270007) and Contract BW (10270009). This portion of the project includes construction of approximately 6,000 feet of 42-inch diameter sanitary sewer along Round Bottom Road.

PROJECT STATUS

Current Activities and Accomplishments

The Round Bottom contract is currently in design. The 90% design was completed by a consultant and submitted in June 2007, but easement acquisition and realignment of the sewer prevented the final design from moving forward to construction. The final design will be completed in-house.

This project is going through right-of-way review concurrently with Dry Run Area Sewers Broadwell. Appraisals are complete and MSD is in contract negotiations to obtain easements from four property owners.

One U.S. Army Corps of Engineers Nationwide Permit for all of the Dry Run contracts was applied for in January.

Look Ahead

The construction legislation process will begin in mid 2013.

Issues

There are no issues at this time.

PROJECT BUDGET OVERVIEW

- **Current Estimated Project Cost**: $7,848,800
- **Legislated Amount**: $0
- **Actual Cost To-Date**: $0
- **% Complete Cumulative Estimated Project Cost**: 0%

All planning, design, permitting, and right-of-way activities are being performed under Project ID 10270005.
Little Miami Wastewater Treatment Plant and Muddy Creek Wastewater Treatment Plant Blower Efficiency Upgrade

Project Status as of February 28, 2013

Project ID 10200002
Municipality City of Cincinnati
Basins Little Miami and Muddy Creek
Project Phase Construction

This Asset Management Project includes installation of high efficiency blowers at MSD’s Little Miami and Muddy Creek Wastewater Treatment Plants. Existing blowers are more than 30 years old and have reached the end of their useful life. New high efficiency blower control/air delivery systems will be installed at both facilities to provide automatic dissolved oxygen control; thereby maintaining desired dissolved oxygen levels for biological treatment. Upgraded equipment is expected to result with annual energy savings ranging between $500,000 and $800,000. The building housing the blowers at the Muddy Creek facility requires rehabilitation. Rehabilitation work will include: updating the laboratory and control room HVAC systems, replacing electric heaters with gas heaters, evaluating lighting, existing fan units, and windows.

Project Team

- Project Manager: Lindsey Staley
- Design Consultant: Brown and Caldwell Ohio, LLC
- Construction Manager: Maria Donisi
- Construction Inspector: Dave Gilday
- Contractor: Dugan & Meyers

Current Activities and Accomplishments

At Muddy Creek WWTP, the aeration control building electrical unit heaters were provided incorrectly. The Contractor was advised that the units or heating elements are to be replaced. The non-potable water system strainer motor has been replaced. All remaining work will be identified on a punch list.

At Little Miami WWTP, grit removal required in aeration tanks #2 and #3 was completed. The diffuser system installation was completed in tank #2 and is ongoing in tank #3. Aeration piping insulation was completed. Terrazzo flooring installation continued and remains ongoing. The aeration supply valve to tank malfunctioned a second time with the replacement not yet received. The gas detection instrumentation installation is complete, but final checkout still remains. The Inspector is tracking punch list items, some of which are being addressed as they are identified.

Look Ahead

At Muddy Creek WWTP, a Construction Progress Meeting is scheduled for March 14th. A punch list walk through is also scheduled for March 14, 2013.

At Little Miami WWTP, a Construction Progress Meeting is scheduled for March 6th. Checkout, startup, and training are being scheduled to take place mid-March. Check-out of the fine bubble diffusers is scheduled for March 14th. Checkout, startup, and training for blowers #3 and #4 is expected to take place during the week of March 18th. A punch list walk through is scheduled for April 3, 2013.

Issues

Issues with regards to the electrical inspection approval continue to be ongoing with all of the blowers at Little Miami, and need to be resolved before startup can be scheduled.

PROJECT BUDGET OVERVIEW

Current Estimated Project Cost $12,426,129
Legislated Amount $16,614,097
Actual Cost To-Date $9,043,585
% Complete Estimated Project Cost 73%

This photo shows installation of the aeration tank #2 diffuser system at Little Miami WWTP.

CONSTRUCTION PHOTOS

Above, Muddy Creek WWTP in Saylor Park. Below, Little Miami WWTP near the East End neighborhood of Cincinnati.
Little Miami Wastewater Treatment Plant
Four Mile Pump Station Improvements

Project ID 10270060
Municipality City of Cincinnati
Basin Little Miami
Project Phase Construction

PROJECT TEAM
Project Manager Daniel Anderson
Design Consultant Burgess and Niple
Construction Manager Mike Wade
Construction Inspector Al Martini
Contractor Ulliman Schutte Construction, Inc.

OVERALL PROJECT SCHEDULE

<table>
<thead>
<tr>
<th>Milestone</th>
<th>Start Construction</th>
<th>Complete Construction</th>
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</thead>
<tbody>
<tr>
<td>10270060</td>
<td>January 27, 2012</td>
<td>April 2013</td>
</tr>
</tbody>
</table>

PROJECT PURPOSE AND BENEFIT

The Four Mile Pump Station is one of two raw sewage pump stations that service the Little Miami Wastewater Treatment Plant. Several assets in the pump station are difficult to repair and maintain. To do this work it is necessary to take the pump station off-line, which has considerable bypass pumping costs and increases the likelihood of overflows in the collection system.

Improvements at this pump station include the repair of one and replacement of six sluice gates, repair of nine and replacement of four knife gate valves, installation of thirteen electric actuators, replacement of five cone valves with plug valves, installation of compress air system, HVAC improvements, replacement of seal water system, bar screen maintenance, and bypass pumping.

PROJECT STATUS

Current Activities and Accomplishments
Modifications in the excess flow and dry weather wet wells have been completed. Installation of the replacement valve VD8 was completed. All valve replacement/repair required as part of the contract are now complete. All paint coating applications have been completed and tested for adequate thickness. Installation of the HVAC equipment is complete; however, testing, balancing, and training remains. Installation of the main influent gate (GW50) is still waiting on the correctly sized wedge bolts and has not been completed. A formal walk through was held February 27th. Completion of the punch list is ongoing.

Look Ahead
Completion of work on the bar screen repairs is expected the first week in March. Final restoration is expected in the Spring.

Issues
There are no issues at this time.

PROJECT BUDGET OVERVIEW

Current Estimated Project Cost $2,527,674
Legislated Amount $3,482,400
Actual Cost To-Date $1,976,573
Budget % Complete 78%

CONSTRUCTION PHOTOS
This photo shows the installation of the wet well influent gate.
Little Miami WWTP Service Water Reliability and Service Upgrade

Project Status as of February 28, 2013

Project ID: 10270045
Municipality: City of Cincinnati
Basin: Little Miami
Project Phase: Design

Planner: Erik Torgersen
Project Manager: Jeff Dean
Design Consultant: Ribway Engineering Group
Contractor: TBD

Current Activities and Accomplishments
A design kick-off meeting was held February 6, 2013 at the Little Miami WWTP Maintenance lunch room, and a site visit was conducted after the meeting.

Look Ahead
The 30% design is scheduled to be delivered on April 5, 2013, and a 30% Progress Meeting is scheduled for May 10, 2013. The final design is due in December 2013, and the project is expected to go out for bid in March 2014.

Issues
There are no issues at this time.

Current Estimated Project Cost: $2,859,100
Legislated Funds: $454,000
Actual Costs to Date: $8,478

Construction funds will be requested for legislation in April 2014.