## Jefferson County, Alabama Environmental Services Department

# I/I Improvements Program

Quarterly Report to EPA January - March, 2018 Quarterly Report No. 85



### JEFFERSON COUNTY COMMISSION



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#### **LETTER OF CERTIFICATION**

SUBJECT: Quarterly Report No. 85: January – March, 2018

DATE:

April 5, 2018

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering such information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Environmental Services Department

<u>Director</u>, Environmental Services

Title

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This *Quarterly Report* is submitted to EPA in accordance with paragraph Q. *Reporting Requirements* of Section VII *Remedial Actions* of the Consent Decree. *Quarterly Reports* are to be submitted to EPA within thirty (30) days of the end of each proceeding calendar quarter. This report covers progress of the County's I/I Improvements Program prior to and during the First Quarter, 2018.

This Report contains the descriptive summary of Remedial Actions required in the Consent Decree.

Remedial Actions: Current Status

#### Phase 1

Submittal of the monthly *Summary of Unpermitted Discharges* is the only ongoing activity under Phase 1. *Summary* reports are submitted to EPA and the citizen plaintiffs and placed in the Public Document Repositories each month. Concurrent with the *Summary* reports, documentation in support of the subject month's wet-weather related discharges is submitted under the requirements of Section XI.

#### Phase 2

All deliverables due to date under Phase 2 have been submitted to EPA on schedule. There were no Phase 2 documents submitted to EPA during the First Quarter, 2018.

#### Summary of Status of Phase 1 and Phase 2 Deliverables

The current status of all Phase 1 and Phase 2 deliverables is shown in the following Table I.

#### Other Activities

A status update meeting was held on December 19, 2017.

## Jefferson County, AL Environmental Services Department

**Table I: Status of Phase 1 and Phase 2 Deliverables** 

Status as of: April 05, 2018

I/I Improvements Program

Deliverable Item	Di improvemento i rogiam	Draft Due	Submitte	d to FPA	Approved	
Phase I         PSSA         8-15-95         8-15-95         10-30-95         12-21-95         Image: Control of the part	Deliverable Item	1		The same of the sa		Notes
PSSA         8.15-95         8.15-95         10-30-95         12-21-95           I/I Plan         9.14-95         9.14-95         11-20-95         12-19-95           SSES Plan         10-16-95         10-16-95         12-26         2-4-96           CPE Plan         10-16-95         10-16-95         12-25-95         1-25-96           Initial WTSCIP         10-30-95         10-30-95         11-19-96         2-20-96           Unpermitted Discharge Program         10-30-95         10-30-95         N/A         N/A           CAP Ian         11-13-95         11-13-95         N/A         1-24-96           Water Quality Monitoring Plan         11-28-95         11-27-95         2-26-96         9-5-96           Phase 2         IVI Reports         Calaba River         2-1-96         2-1-96         N/A         3-19-96           Leeds         4-1-96         4-1-96         6-5-95         7-11-96           Trussville         41-96         4-1-96         6-5-95         7-11-96           Valley Creek         5-1-96         5-1-96         N/A         4-19-96           Valley Creek         5-1-96         5-1-96         N/A         6-17-96           Turkey Creek <th></th> <th>T to Elli</th> <th>Diane</th> <th>revised</th> <th>OJ ELIA</th> <th>11065</th>		T to Elli	Diane	revised	OJ ELIA	11065
March   Marc		8-15-95	8-15-95	10-30-95	12-21-95	
SSES Plan   10-16-95   10-16-95   10-2-96   2-4-96   2-		1000 0000 00000				
CPE Plan		10.00	- 1/1			
Initial WTSCIP 10-30-95 10-30-95 1-19-96 2-20-96 Unpermitted Discharge Program 10-30-95 10-30-95 N/A						
Unpermitted Discharge Program 10-30-95 10-30-95 N/A N/A 1-24-96 Water Quality Monitoring Plan 11-13-95 11-13-95 N/A 1-24-96 Water Quality Monitoring Plan 11-28-95 11-27-95 2-26-96 9-5-96  Phase 2  VI Reports  Cahaba River Leeds 4-1-96 4-1-96 4-1-96 4-1-96 4-1-96 4-1-96 4-1-96 4-1-96 Village Creek 1-1-96 Village Creek 1-1-96 1-1-96 1-1-96 Village Creek 1-1-96 1-1-9						
CA Plan				KI 11004-15 IX X0X		
Phase 2						
Cahaba River   2-1-96   2-1-96   N/A   3-19-96						
Cahaba River         2-1-96         2-1-96         N/A         3-19-96           Leeds         4-1-96         4-1-96         6-5-96         7-11-96           Trussville         4-1-96         4-1-96         6-5-95         7-11-96           Village Creek         2-1-96         2-1-96         N/A         4-19-96           Valley Creek         5-1-96         5-1-96         N/A         6-17-96           Five Mile Creek         9-13-96         9-13-96         N/A         6-17-96           Turkey Creek         5-1-96         5-1-96         N/A         6-17-96           Prudes Creek         5-1-96         5-1-96         N/A         6-17-96           Prudes Creek         5-1-96         5-1-96         N/A         6-17-96           Warrior         5-1-96         5-1-96         N/A         6-17-96           SESE Reports         8         8-19-96         6-3-96         N/A         7-11-96           Leeds         6-1-96         6-3-96         N/A         7-11-96           Trussville         6-1-96         6-3-96         N/A         7-11-96           Village Creek Ph. 1         1-13-97         4-2-97         5-16-97           Valley Creek	Phase 2					
Leeds         4-1-96         4-1-96         6-5-96         7-11-96           Trussville         4-1-96         4-1-96         6-5-95         7-11-96           Village Creek         2-1-96         2-1-96         N/A         4-19-96           Valley Creek         5-1-96         5-1-96         N/A         6-17-96           Five Mile Creek         5-1-96         5-1-96         N/A         12-2-96           Turkey Creek         5-1-96         5-1-96         N/A         6-17-96           Prudes Creek         5-1-96         5-1-96         N/A         6-17-96           Warrior         5-1-96         5-1-96         N/A         6-17-96           Warrior         5-1-96         5-1-96         N/A         6-17-96           Warrior         5-1-96         5-1-96         N/A         6-17-96           Leeds         6-1-96         6-3-96         N/A         7-11-96           Trussville         6-1-96         6-3-96         N/A         7-11-96           Village Creek Ph. 1         1-13-97         1-13-97         4-2-97         5-16-97           Village Creek Ph. 2         1-2-98         1-13-97         4-2-97         5-16-97           Valley Creek	//I Reports					
Leeds         4-1-96         4-1-96         6-5-96         7-11-96           Trussville         4-1-96         4-1-96         6-5-95         7-11-96           Village Creek         2-1-96         2-1-96         N/A         4-19-96           Valley Creek         5-1-96         5-1-96         N/A         6-17-96           Five Mile Creek         5-1-96         5-1-96         N/A         6-17-96           Turkey Creek         5-1-96         5-1-96         N/A         6-17-96           Prudes Creek         5-1-96         5-1-96         N/A         6-17-96           Warrior         5-1-96         5-1-96         N/A         6-17-96           Warrior         5-1-96         5-1-96         N/A         6-17-96           Cababa River         2-1-96         2-1-96         4-24-96         6-3-96           Leeds         6-1-96         6-3-96         N/A         7-11-96           Village Creek Ph. 1         1-13-97         1-13-97         4-2-97         5-16-97           Village Creek Ph. 2         1-2-98         1-13-97         4-2-97         5-16-97           Valley Creek         3-2-98         N/A         4-29-98         A-29-98           Shades Cre	Cahaba River	2-1-96	2-1-96	N/A	3-19-96	
Trussville 4-1-96 4-1-96 6-5-95 7-11-96  Village Creek 2-1-96 2-1-96 N/A 4-19-96  Valley Creek 5-1-96 5-1-96 N/A 6-17-96  Five Mile Creek 9-13-96 9-13-96 N/A 6-17-96  Turkey Creek 5-1-96 5-1-96 N/A 6-17-96  Prudes Creek 5-1-96 5-1-96 N/A 6-17-96  Warrior 5-1-96 5-1-96 N/A 6-17-96  SESE Reports  Cahaba River 2-1-96 2-1-96 4-24-96 6-3-96  Leeds 6-1-96 6-3-96 N/A 7-11-96  Trussville 6-1-96 6-3-96 N/A 7-11-96  Trussville 6-1-96 6-3-96 N/A 7-11-96  Village Creek Ph. 1 1-13-97 1-13-97 4-2-97 5-16-97  Village Creek Ph. 2 1-2-98 1-13-97 4-2-97 5-16-97  Village Creek Ph. 1 3-2-98 3-2-98 N/A 4-29-98  Shades Creek Ph. 1 3-2-98 3-2-98 N/A 4-29-98  Five Mile Creek Ph. 1 3-2-98 3-2-98 N/A 4-29-98  Five Mile Creek Ph. 2 7-3-00 7-3-00 9-25-00 12-19-00  Trurkey Creek 7-3-00 7-3-00 9-25-00 12-19-00  Warrior 7-3-00 7-3-00 9-25-00 12-19-00  Turkey Creek 7-3-00 7-3-00 9-25-00 12-19-00  Warrior 7-3-00 7-3-00 9-25-00 12-19-00  Warrior 7-3-00 7-3-00 9-25-00 12-19-00  Turkey Creek 7-3-00 7-3-00 9-25-00 12-19-00  Warrior 7-3-00 7-3-00 9-25-00 12-19-00  Warrior 7-3-00 7-3-00 9-25-00 12-19-00  Turkey Creek 7-3-00 7-3-00 9-25-00 12-19-00  Warrior 7-3-00 7-3-00 9-25-00 12-19-00  Warrior 7-3-00 7-3-00 9-25-00 12-19-00  Turkey Creek 7-3-00 7-3-00 9-25-00 12-19-00  Warrior 7-3-00 7-3-00 9-25-00 12-19-00	Leeds					
Village Creek         2-1-96         2-1-96         N/A         4-19-96           Valley Creek         5-1-96         5-1-96         N/A         6-17-96           Five Mile Creek         9-13-96         9-13-96         N/A         12-2-96           Turkey Creek         5-1-96         5-1-96         N/A         6-17-96           Prudes Creek         5-1-96         5-1-96         N/A         6-17-96           Warrior         5-1-96         5-1-96         N/A         6-17-96           SESE Reports         SESE Reports         SESE Reports         SESE Reports           Cahaba River         2-1-96         2-1-96         4-24-96         6-3-96           Leeds         6-1-96         6-3-96         N/A         7-11-96           Trussville         6-1-96         6-3-96         N/A         7-11-96           Village Creek Ph. 1         1-13-97         1-13-97         4-2-97         5-16-97           Village Creek Ph. 2         1-2-98         1-3-98         1-2-98         1-2-98           Shades Creek         7-3-00         7-3-00         9-25-00         12-19-00           Five Mile Creek Ph. 1         3-2-98         3-2-98         N/A         4-29-98	Trussville	4-1-96	4-1-96	6-5-95	7-11-96	
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Turkey Creek 5-1-96 5-1-96 N/A 6-17-96 Prudes Creek 5-1-96 5-1-96 N/A 6-17-96 Warrior 5-1-96 5-1-96 N/A 6-17-96 SES Reports  Cahaba River 2-1-96 2-1-96 4-24-96 6-3-96 Leeds 6-1-96 6-3-96 N/A 7-11-96 Trussville 6-1-96 6-3-96 N/A 7-11-96 Village Creek Ph. 1 1-13-97 1-13-97 4-2-97 5-16-97 Village Creek Ph. 2 1-2-98 1-13-97 4-2-97 5-16-97 Valley Creek 3-2-98 3-2-98 N/A 4-29-98 Shades Creek Ph. 1 3-2-98 3-2-98 N/A 4-29-98 Shades Creek Ph. 1 3-2-98 3-2-98 N/A 4-29-98 Five Mile Creek Ph. 1 3-2-98 3-2-98 N/A 4-29-98 Five Mile Creek Ph. 2 7-3-00 7-3-00 9-25-00 12-19-00 Five Mile Creek Ph. 2 7-3-00 7-3-00 9-25-00 12-19-00 Turkey Creek 7-3-00 7-3-00 9-25-00 12-19-00 Warrior 7-3-00 7-3-00 9-25-00 12-19-00 Tapacity Analysis Reports Cahaba River 5-1-96 5-1-96 N/A N/A NO EPA response required. Trussville 9-3-96 9-3-96 N/A N/A NO EPA response required. Village Creek Ph. 1 5-15-97 5-15-97 N/A N/A NO EPA response required.	Valley Creek	5-1-96	5-1-96	N/A	6-17-96	
Turkey Creek 5-1-96 5-1-96 N/A 6-17-96 Prudes Creek 5-1-96 5-1-96 N/A 6-17-96 Warrior 5-1-96 5-1-96 N/A 6-17-96 SES Reports  Cahaba River 2-1-96 2-1-96 4-24-96 6-3-96 Leeds 6-1-96 6-3-96 N/A 7-11-96  Trussville 6-1-96 6-3-96 N/A 7-11-96  Village Creek Ph. 1 1-13-97 1-13-97 4-2-97 5-16-97 Village Creek Ph. 2 1-2-98 1-13-97 4-2-97 5-16-97 Valley Creek 3-2-98 3-2-98 N/A 4-29-98 Shades Creek Ph. 1 3-2-98 3-2-98 N/A 4-29-98 Shades Creek Ph. 1 3-2-98 3-2-98 N/A 4-29-98 Five Mile Creek Ph. 2 7-3-00 7-3-00 9-25-00 12-19-00 Five Mile Creek Ph. 2 7-3-00 7-3-00 9-25-00 12-19-00 Turkey Creek 7-3-00 7-3-00 9-25-00 12-19-00 Warrior 7-3-00 7-3-00 9-25-00 12-19-00 Warrior 7-3-00 7-3-00 9-25-00 12-19-00 Warrior 7-3-00 7-3-00 9-25-00 12-19-00 Tapacity Analysis Reports Cahaba River 5-1-96 5-1-96 N/A N/A NO EPA response required. Trussville 9-3-96 9-3-96 N/A N/A NO EPA response required. Village Creek Ph. 1 5-15-97 5-15-97 N/A N/A NO EPA response required.	Five Mile Creek	9-13-96	9-13-96	N/A	12-2-96	
Warrior         5-1-96         5-1-96         N/A         6-17-96           SES Reports           Cahaba River         2-1-96         2-1-96         4-24-96         6-3-96           Leeds         6-1-96         6-3-96         N/A         7-11-96           Trussville         6-1-96         6-3-96         N/A         7-11-96           Village Creek Ph. 1         1-13-97         1-13-97         4-2-97         5-16-97           Village Creek Ph. 2         1-2-98         1-13-97         4-2-97         5-16-97           Valley Creek         3-2-98         3-2-98         N/A         4-29-98           Shades Creek         7-3-00         7-3-00         9-25-00         12-19-00           Five Mile Creek Ph. 1         3-2-98         3-2-98         N/A         4-29-98           Five Mile Creek Ph. 2         7-3-00         7-3-00         9-25-00         12-19-00           Turkey Creek         7-3-00         7-3-00         9-25-00         12-19-00           Warrior         7-3-00         7-3-00         9-25-00         12-19-00           Warrior         7-3-00         7-3-00         9-25-00         12-19-00           warrior         7-3-00         7-3-00 <t< td=""><td>Turkey Creek</td><td>5-1-96</td><td></td><td></td><td></td><td></td></t<>	Turkey Creek	5-1-96				
SSES Reports         Cahaba River         2-1-96         2-1-96         4-24-96         6-3-96           Leeds         6-1-96         6-3-96         N/A         7-11-96           Trussville         6-1-96         6-3-96         N/A         7-11-96           Village Creek Ph. 1         1-13-97         1-13-97         5-16-97           Village Creek Ph. 2         1-2-98         1-13-97         4-2-97         5-16-97           Valley Creek         3-2-98         N/A         4-29-98           Shades Creek         7-3-00         7-3-00         9-25-00         12-19-00           Five Mile Creek Ph. 1         3-2-98         3-2-98         N/A         4-29-98           Five Mile Creek Ph. 2         7-3-00         7-3-00         9-25-00         12-19-00           Turkey Creek         7-3-00         7-3-00         9-25-00         12-19-00           Turkey Creek         7-3-00         7-3-00         9-25-00         12-19-00           Warrior         7-3-00         7-3-00         9-25-00         12-19-00           Warrior         7-3-00         7-3-00         9-25-00         12-19-00           Apacity Analysis Reports         Cahaba River         5-1-96         5-1-96         N/A <td>Prudes Creek</td> <td>5-1-96</td> <td>5-1-96</td> <td>N/A</td> <td>6-17-96</td> <td></td>	Prudes Creek	5-1-96	5-1-96	N/A	6-17-96	
Cahaba River         2-1-96         2-1-96         4-24-96         6-3-96           Leeds         6-1-96         6-3-96         N/A         7-11-96           Trussville         6-1-96         6-3-96         N/A         7-11-96           Village Creek Ph. 1         1-13-97         1-13-97         5-16-97           Village Creek Ph. 2         1-2-98         1-13-97         4-2-97         5-16-97           Valley Creek         3-2-98         3-2-98         N/A         4-29-98           Shades Creek         7-3-00         7-3-00         9-25-00         12-19-00           Five Mile Creek Ph. 1         3-2-98         3-2-98         N/A         4-29-98           Five Mile Creek Ph. 2         7-3-00         7-3-00         9-25-00         12-19-00           Turkey Creek         7-3-00         7-3-00         9-25-00         12-19-00           Turkey Creek         7-3-00         7-3-00         9-25-00         12-19-00           Warrior         7-3-00         7-3-00         9-25-00         12-19-00           Warrior         7-3-00         7-3-00         9-25-00         12-19-00           Apacity Analysis Reports         5-1-96         5-1-96         N/A         N/A         N	Warrior	5-1-96	5-1-96	N/A	6-17-96	
Leeds         6-1-96         6-3-96         N/A         7-11-96           Trussville         6-1-96         6-3-96         N/A         7-11-96           Village Creek Ph. 1         1-13-97         1-13-97         4-2-97         5-16-97           Village Creek Ph. 2         1-2-98         1-13-97         4-2-97         5-16-97           Valley Creek         3-2-98         3-2-98         N/A         4-29-98           Shades Creek         7-3-00         7-3-00         9-25-00         12-19-00           Five Mile Creek Ph. 1         3-2-98         3-2-98         N/A         4-29-98           Five Mile Creek Ph. 2         7-3-00         7-3-00         9-25-00         12-19-00           Turkey Creek         7-3-00         9-28-99         N/A         11-23-99           Prudes Creek         7-3-00         7-3-00         9-25-00         12-19-00           Warrior         7-3-00         7-3-00         9-25-00         12-19-00           Papacity Analysis Reports         S-1-96         5-1-96         N/A         N/A         No EPA response required.           Leeds         9-3-96         9-3-96         N/A         N/A         No EPA response required.           Village Creek Ph. 1	SSES Reports					
Trussville         6-1-96         6-3-96         N/A         7-11-96           Village Creek Ph. 1         1-13-97         1-13-97         4-2-97         5-16-97           Village Creek Ph. 2         1-2-98         1-13-97         4-2-97         5-16-97           Valley Creek         3-2-98         3-2-98         N/A         4-29-98           Shades Creek         7-3-00         7-3-00         9-25-00         12-19-00           Five Mile Creek Ph. 1         3-2-98         3-2-98         N/A         4-29-98           Five Mile Creek Ph. 2         7-3-00         7-3-00         9-25-00         12-19-00           Turkey Creek         7-3-00         9-28-99         N/A         11-23-99           Prudes Creek         7-3-00         7-3-00         9-25-00         12-19-00           Warrior         7-3-00         7-3-00         9-25-00         12-19-00           warrior         7-3-00         7-3-00         9-25-00         12-19-00           apacity Analysis Reports         Seports         N/A         N/A         N/A         No EPA response required.           Leeds         9-3-96         9-3-96         N/A         N/A         N/A         No EPA response required.           Villag	Cahaba River	2-1-96	2-1-96	4-24-96	6-3-96	
Village Creek Ph. 1       1-13-97       1-13-97       4-2-97       5-16-97         Village Creek Ph. 2       1-2-98       1-13-97       4-2-97       5-16-97         Valley Creek       3-2-98       3-2-98       N/A       4-29-98         Shades Creek       7-3-00       7-3-00       9-25-00       12-19-00         Five Mile Creek Ph. 1       3-2-98       3-2-98       N/A       4-29-98         Five Mile Creek Ph. 2       7-3-00       7-3-00       9-25-00       12-19-00         Turkey Creek       7-3-00       9-28-99       N/A       11-23-99         Prudes Creek       7-3-00       7-3-00       9-25-00       12-19-00         Warrior       7-3-00       7-3-00       9-25-00       12-19-00         Papacity Analysis Reports       Cahaba River       5-1-96       5-1-96       N/A       N/A       No EPA response required.         Leeds       9-3-96       9-3-96       N/A       N/A       No EPA response required.         Trussville       9-3-96       9-3-96       N/A       N/A       N/A       No EPA response required.         Village Creek Ph. 1       5-15-97       5-15-97       N/A       N/A       N/A       No EPA response required.	Leeds	6-1-96	6-3-96	N/A	7-11-96	
Village Creek Ph. 2       1-2-98       1-13-97       4-2-97       5-16-97         Valley Creek       3-2-98       3-2-98       N/A       4-29-98         Shades Creek       7-3-00       7-3-00       9-25-00       12-19-00         Five Mile Creek Ph. 1       3-2-98       3-2-98       N/A       4-29-98         Five Mile Creek Ph. 2       7-3-00       7-3-00       9-25-00       12-19-00         Turkey Creek       7-3-00       9-28-99       N/A       11-23-99         Prudes Creek       7-3-00       7-3-00       9-25-00       12-19-00         Warrior       7-3-00       7-3-00       9-25-00       12-19-00         apacity Analysis Reports       -3-00       7-3-00       9-25-00       12-19-00         Cahaba River       5-1-96       5-1-96       N/A       N/A       N/A       No EPA response required.         Leeds       9-3-96       9-3-96       N/A       N/A       N/A       No EPA response required.         Trussville       9-3-96       9-3-96       N/A       N/A       N/A       N/A       No EPA response required.         Village Creek Ph. 1       5-15-97       5-15-97       N/A       N/A       N/A       N/A       N/A       N/A	Trussville	6-1-96	6-3-96	N/A	7-11-96	
Valley Creek         3-2-98         3-2-98         N/A         4-29-98           Shades Creek         7-3-00         7-3-00         9-25-00         12-19-00           Five Mile Creek Ph. 1         3-2-98         3-2-98         N/A         4-29-98           Five Mile Creek Ph. 2         7-3-00         7-3-00         9-25-00         12-19-00           Turkey Creek         7-3-00         9-28-99         N/A         11-23-99           Prudes Creek         7-3-00         7-3-00         9-25-00         12-19-00           Warrior         7-3-00         7-3-00         9-25-00         12-19-00           apacity Analysis Reports         Seports         Seports         N/A         N/A         N/A         No EPA response required.           Leeds         9-3-96         9-3-96         N/A         N/A         No EPA response required.           Trussville         9-3-96         9-3-96         N/A         N/A         N/A         No EPA response required.           Village Creek Ph. 1         5-15-97         5-15-97         N/A         N/A         N/A         No EPA response required.	Village Creek Ph. 1	1-13-97	1-13-97	4-2-97	5-16-97	
Shades Creek         7-3-00         7-3-00         9-25-00         12-19-00           Five Mile Creek Ph. 1         3-2-98         3-2-98         N/A         4-29-98           Five Mile Creek Ph. 2         7-3-00         7-3-00         9-25-00         12-19-00           Turkey Creek         7-3-00         9-28-99         N/A         11-23-99           Prudes Creek         7-3-00         7-3-00         9-25-00         12-19-00           Warrior         7-3-00         7-3-00         9-25-00         12-19-00           Japacity Analysis Reports         S-1-96         5-1-96         N/A         N/A         No EPA response required.           Leeds         9-3-96         9-3-96         N/A         N/A         No EPA response required.           Trussville         9-3-96         9-3-96         N/A         N/A         N/A         No EPA response required.           Village Creek Ph. 1         5-15-97         5-15-97         N/A         N/A         N/A         No EPA response required.	Village Creek Ph. 2	1-2-98	1-13-97	4-2-97	5-16-97	
Five Mile Creek Ph. 1         3-2-98         3-2-98         N/A         4-29-98           Five Mile Creek Ph. 2         7-3-00         7-3-00         9-25-00         12-19-00           Turkey Creek         7-3-00         9-28-99         N/A         11-23-99           Prudes Creek         7-3-00         7-3-00         9-25-00         12-19-00           Warrior         7-3-00         7-3-00         9-25-00         12-19-00           Apacity Analysis Reports         Seports         N/A         N/A         N/A         No EPA response required.           Leeds         9-3-96         9-3-96         N/A         N/A         N/A         No EPA response required.           Trussville         9-3-96         9-3-96         N/A         N/A         N/A         No EPA response required.           Village Creek Ph. 1         5-15-97         5-15-97         N/A         N/A         N/A         No EPA response required.	Valley Creek	3-2-98	3-2-98	N/A	4-29-98	
Five Mile Creek Ph. 2         7-3-00         7-3-00         9-25-00         12-19-00           Turkey Creek         7-3-00         9-28-99         N/A         11-23-99           Prudes Creek         7-3-00         7-3-00         9-25-00         12-19-00           Warrior         7-3-00         7-3-00         9-25-00         12-19-00           Papacity Analysis Reports         Seponts         Seponts         N/A         N/A         N/A         No EPA response required.           Leeds         9-3-96         9-3-96         N/A         N/A         N/A         No EPA response required.           Trussville         9-3-96         9-3-96         N/A         N/A         N/A         No EPA response required.           Village Creek Ph. 1         5-15-97         5-15-97         N/A         N/A         N/A         No EPA response required.	Shades Creek	7-3-00	7-3-00	9-25-00	12-19-00	
Turkey Creek         7-3-00         9-28-99         N/A         11-23-99           Prudes Creek         7-3-00         7-3-00         9-25-00         12-19-00           Warrior         7-3-00         7-3-00         9-25-00         12-19-00           Japacity Analysis Reports         8         8         8         12-19-00           Cahaba River         5-1-96         5-1-96         N/A         N/A         No EPA response required.           Leeds         9-3-96         9-3-96         N/A         N/A         No EPA response required.           Trussville         9-3-96         9-3-96         N/A         N/A         No EPA response required.           Village Creek Ph. 1         5-15-97         5-15-97         N/A         N/A         N/A         No EPA response required.	Five Mile Creek Ph. 1	3-2-98	3-2-98	N/A	4-29-98	
Turkey Creek         7-3-00         9-28-99         N/A         11-23-99           Prudes Creek         7-3-00         7-3-00         9-25-00         12-19-00           Warrior         7-3-00         7-3-00         9-25-00         12-19-00           Japacity Analysis Reports         8-1-96         5-1-96         N/A         N/A         No EPA response required.           Leeds         9-3-96         9-3-96         N/A         N/A         No EPA response required.           Trussville         9-3-96         9-3-96         N/A         N/A         No EPA response required.           Village Creek Ph. 1         5-15-97         5-15-97         N/A         N/A         N/A         No EPA response required.	Five Mile Creek Ph. 2	7-3-00	7-3-00	9-25-00	12-19-00	
Prudes Creek         7-3-00         7-3-00         9-25-00         12-19-00           Warrior         7-3-00         7-3-00         9-25-00         12-19-00           apacity Analysis Reports         Cahaba River         5-1-96         5-1-96         N/A         N/A         No EPA response required.           Leeds         9-3-96         9-3-96         N/A         N/A         No EPA response required.           Trussville         9-3-96         9-3-96         N/A         N/A         No EPA response required.           Village Creek Ph. 1         5-15-97         5-15-97         N/A         N/A         No EPA response required.	Turkey Creek					
Warrior         7-3-00         7-3-00         9-25-00         12-19-00           Japacity Analysis Reports         Sapacity Analysis Reports           Cahaba River         5-1-96         5-1-96         N/A         N/A         No EPA response required.           Leeds         9-3-96         9-3-96         N/A         N/A         No EPA response required.           Trussville         9-3-96         9-3-96         N/A         N/A         No EPA response required.           Village Creek Ph. 1         5-15-97         5-15-97         N/A         N/A         No EPA response required.	Prudes Creek					
apacity Analysis Reports  Cahaba River 5-1-96 5-1-96 N/A N/A No EPA response required.  Leeds 9-3-96 9-3-96 N/A N/A No EPA response required.  Trussville 9-3-96 9-3-96 N/A N/A NO EPA response required.  Village Creek Ph. 1 5-15-97 5-15-97 N/A N/A NO EPA response required.						
Cahaba River 5-1-96 5-1-96 N/A N/A No EPA response required.  Leeds 9-3-96 9-3-96 N/A N/A No EPA response required.  Trussville 9-3-96 9-3-96 N/A N/A No EPA response required.  Village Creek Ph. 1 5-15-97 5-15-97 N/A N/A NO EPA response required.	apacity Analysis Reports					
Leeds9-3-969-3-96N/AN/ANo EPA response required.Trussville9-3-969-3-96N/AN/ANo EPA response required.Village Creek Ph. 15-15-975-15-97N/AN/ANo EPA response required.		5-1-96	5-1-96	N/A	N/A	No EPA response required.
Trussville 9-3-96 9-3-96 N/A N/A No EPA response required.  Village Creek Ph. 1 5-15-97 5-15-97 N/A N/A NO EPA response required.						
Village Creek Ph. 1 5-15-97 5-15-97 N/A N/A No EPA response required.						
						***************************************
	Village Creek Ph. 2	5-15-97	5-15-97	N/A	N/A	No EPA response required.

Table I: Page 2 of 3

Draft Due	Submitted	to FPA	Annroyed	
1 1				Notes
				No EPA response required.
				No EPA response required.
				No EPA response required.
				No EPA response required.
				No EPA response required.
		The second second second		No EPA response required.
10-2-00	10-2-00	N/A	N/A	No EPA response required.
10-28-96	10-28-96	N/A	11-20-98	
3-3-97	3-3-97	N/A	4-24-97	No capacity projects indicated.
3-3-97	3-3-97	N/A	4-24-97	No capacity projects indicated.
11-12-97	11-12-97			No capacity projects indicated.
11-12-97	11-12-97			No capacity projects indicated.
11-27-98	11-25-98	N/A	1-22-99	No capacity projects indicated.
4-2-01	4-2-01	N/A	5-29-01	No capacity projects indicated.
11-27-98	11-25-98	N/A	1-22-99	No capacity projects indicated.
4-2-01	4-2-01	N/A	5-29-01	No capacity projects indicated.
6-20-00	6-20-00	N/A	8-24-00	No capacity projects indicated.
4-2-01	4-2-01	N/A	5-29-01	No capacity projects indicated.
N/A				Not required all lines less than 18" diameter
11-4-96	11-4-96	3-21-97	3-28-97	•
			West, Committee March	Part of Informal Dispute Resolution settlement
1-18-01	1001 0 00000			Provisionally approved by EPA on 4/16/01
	3-3-97 11-12-97 11-12-97 11-27-98 4-2-01 11-27-98 4-2-01 6-20-00 4-2-01 N/A 11-4-96 5-5-97 8-4-98	to EPA         Draft           6-1-98         6-1-98           10-2-00         10-2-00           6-1-98         6-1-98           10-2-00         10-2-00           12-28-99         12-23-99           10-2-00         10-2-00           10-28-96         10-28-96           3-3-97         3-3-97           3-3-97         3-3-97           11-12-97         11-12-97           11-27-98         11-25-98           4-2-01         4-2-01           11-27-98         11-25-98           4-2-01         4-2-01           6-20-00         6-20-00           4-2-01         4-2-01           N/A         11-4-96           5-5-97         5-5-97           8-4-98         8-4-98	to EPA         Draft         Revised           6-1-98         6-1-98         N/A           10-2-00         10-2-00         N/A           6-1-98         6-1-98         N/A           10-2-00         10-2-00         N/A           12-28-99         12-23-99         N/A           10-2-00         10-2-00         N/A           10-2-00         10-2-00         N/A           10-28-96         10-28-96         N/A           3-3-97         3-3-97         N/A           11-12-97         11-12-97         11-12-97           11-27-98         11-25-98         N/A           4-2-01         4-2-01         N/A           4-2-01         4-2-01         N/A           4-2-01         4-2-01         N/A           6-20-00         6-20-00         N/A           4-2-01         4-2-01         N/A           N/A         11-4-96         3-21-97           5-5-97         5-5-97         7-25-97           8-4-98         8-4-98         N/A	to EPA         Draft         Revised         by EPA           6-1-98         6-1-98         N/A         N/A           10-2-00         10-2-00         N/A         N/A           6-1-98         6-1-98         N/A         N/A           10-2-00         10-2-00         N/A         N/A           10-2-99         12-23-99         N/A         N/A           10-2-00         10-2-00         N/A         N/A           10-2-00         10-2-00         N/A         N/A           10-28-96         10-28-96         N/A         N/A           10-28-96         10-28-96         N/A         11-20-98           3-3-97         3-3-97         N/A         4-24-97           11-12-97         11-12-97         11-12-97           11-297         11-12-97         11-12-97           11-27-98         11-25-98         N/A         1-22-99           4-2-01         4-2-01         N/A         5-29-01           11-27-98         11-25-98         N/A         1-22-99           4-2-01         4-2-01         N/A         5-29-01           6-20-00         6-20-00         N/A         8-24-00           4-2-01 <td< td=""></td<>

SES-related					
Cahaba River (#1)	1-3-97	1-3-97	N/A	2-24-97	
Leeds (#3)	9-2-97	9-2-97	12-19-97	1-14-98	
Leeds (#3A)	10-1-98	10-1-98	N/A	11-9-98	
Trussville (#2)	9-2-97	9-2-97	N/A	10-31-97	
Village Creek Ph. 1 (#8)	10-1-98	10-1-98	N/A	11-9-98	
Village Creek Ph. 2 (#8)	10-1-98	10-1-98	N/A	11-9-98	
Valley Creek (#10)	10-1-99	10-1-99	N/A	11-3-99	
Shades Creek (#16)	1-31-03	1-31-03			*Awaiting EPA approval
Five Mile Creek Ph. 1 (#11)	2-1-00	2-1-00	N/A	2-28-00	
Five Mile Creek Ph. 2 (#17)	1-31-03	1-31-03			*Awaiting EPA approval
Turkey Creek (#12)	2-1-01	2-1-01	N/A	3-14-01	
Prudes Creek (#14)	7-31-02	7-31-02			*Awaiting EPA approval
Warrior (#15)	7-31-02	7-31-02			*Awaiting EPA approval
S-related					
Cahaba River (#5)	1-30-98	1-30-98	N/A	11-20-98	
Leeds	N/A	N/A	N/A		No capacity problems identified in CAR

Table I: Page 3 of 3

	Draft Due	Submitte	d to EPA	Approved	
Deliverable Item	to EPA	Draft	Revised	by EPA	Notes
Trussville	N/A	N/A	N/A		No capacity problems identified in CAR
Village Creek Ph. 1	N/A	N/A	N/A		No capacity problems identified in CAR
Village Creek Ph. 2	N/A	N/A	N/A		No capacity problems identified in CAR
Valley Creek	N/A	N/A	N/A		No capacity problems identified in CAR
Shades Creek	N/A	N/A	N/A		No capacity problems identified in CAR
Five Mile Creek Ph. 1	N/A	N/A	N/A		No capacity problems identified in CAR
Five Mile Creek Ph. 2	N/A	N/A	N/A		No capacity problems identified in CAR
Turkey Creek	N/A	N/A	N/A		No capacity problems identified in CAR
Prudes Creek	N/A	N/A	N/A		No capacity problems identified in CAR
Warrior	N/A	N/A	N/A		No CIS since all lines are less than 18" diameter
PIP-related					
Five Mile Creek WWTP (#6)	4-1-98	4-1-98	N/A	11-20-98	
Valley Creek WWTP- Sludge (#4)	12-31-97	12-30-97	N/A	3-13-98	
Valley Ck. WWTP-PFWWTP(#13)	1-16-02	1-16-02			*Awaiting EPA approval
Village Creek WWTP -Sludge(#7)	7-1-98	7-1-98	N/A	12-4-98	
Village Creek - PFWWTP (#9)	5-3-99	5-3-99	N/A	6-4-99	
Turkey Creek WWTP	N/A	N/A	N/A		Recommendations completed

Note: Italicized Dates are Projected Only

"N/A" = Not Applicable to this deliverable

#### Phase 3

#### **Automatic Diversion Structures**

- Watkins Branch was eliminated on July 31, 1995
- Hurricane Branch was eliminated on February 10, 1997
- Horse Farm was eliminated on June 11, 1997
- Barton Branch was eliminated on September 1, 2000
- Tarrant Springs Branch was eliminated on October 27, 2000

#### Cahaba River Collection System

The Cahaba River Collection System Rehabilitation was completed on April 1, 1999.

The Cahaba River Collection System Capacity Improvement Projects were completed on February 20, 2001.

#### Five Mile Creek Collection System

The Five Mile Creek Phase 1 Collection System Rehabilitation Upstream of Barton Branch (Contracts 1-7) was completed on May 31, 2004.

The Five Mile Creek Phase 2 Collection System Rehabilitation Downstream of Barton Branch (Contracts 8-20) was completed on June 27, 2006.

The Five Mile Creek Capacity Improvement Projects were completed on August 8, 2001.

#### Leeds Collection System

The Leeds Collection System was completed on January 1, 2000. The provisions of the Consent Decree applicable to the Leeds Complete Waste Treatment System were terminated April 23, 2012.

#### Prudes Creek Collection System

The Prudes Creek Collection System was completed on March 31, 2004.

The provisions of the Consent Decree applicable to the Prudes Creek Complete Waste Treatment System were terminated April 29, 2009.

#### Shades Creek Collection System

The Shades Creek Collection System was completed on August 21, 2006.

#### Trussville Collection System

The Trussville Collection System was completed on May 1, 1999.

The provisions of the Consent Decree applicable to the Trussville Complete Waste Treatment System were terminated February 23, 2009.

#### Turkey Creek Collection System

The Turkey Creek Collection System was completed on April 30, 2003.

The provisions of the Consent Decree applicable to the Turkey Creek Complete Waste Treatment System were terminated December 8, 2008.

#### Valley Creek Collection System

The Valley Creek Collection System was completed on August 30, 2006.

#### Village Creek Collection System

The West-area projects were completed on August 9, 2001. The East-area projects were completed on March 17, 2004.

#### Warrior Collection System

The Warrior Collection System was completed on July 16, 2003.

The provisions of the Consent Decree applicable to the Warrior Complete Waste Treatment System were terminated April 16, 2008.

#### Five Mile Creek WWTP

The Five Mile Creek WWTP Flow Metering and Sampling was completed on February 21, 2000.

#### Valley Creek WWTP

The Valley Creek WWTP Sludge Digestion was completed on February 26, 2001. Peak Flow Facilities Phase 5 Influent Pump Station was made fully operational on December 18, 2007.

Village Creek WWTP

The Village Creek WWTP Digestion and Dewatering was completed on January 10, 2001.

The Village Creek WWTP Peak Flow Facilities were completed on June 19, 2003.

Remedial Actions: Projected for Upcoming Quarter

Although not undertaken directly as a Consent Decree deliverable, the County is currently updating and/or consolidating its standard construction specifications. Specifications were available for public review and comment during the First Quarter, 2016. Comments were reviewed during the Fourth Quarter, 2016. Final specification issuance is projected during the Second Quarter, 2018. A revised CMOM was provided to EPA during the Fourth Quarter, 2016.

Phase 1

Submittal of the monthly *Summary of Unpermitted Discharges* to EPA and the citizen plaintiffs is the only activity under Phase 1 planned for the Second Quarter, 2018. Concurrent with the *Summary* reports, documentation in support of the subject month's wet-weather related discharges will also be submitted under the requirements of Section XI.

Phase 2

There are no Consent Decree Deliverables projected to be submitted to the EPA during the Second Quarter, 2018.

#### Phase 3

#### Cahaba River Collection System

Per the approved WTSCIP amendments No.1 and No. 5, evaluation of the rehabilitation results and performance of the Cahaba River Collection System continues.

A preliminary draft of the Cahaba River Complete Waste Treatment System Consent Decree Termination Plan was submitted on April 6, 2009 with comments due on or about May 20, 2009. The EPA responded with comments in a letter dated April 30, 2009. The Jefferson County Environmental Services Department responded to those comments in a letter dated May 29, 2009. The comments were discussed in a meeting between EPA and JCESD on October 19, 2009 in the EPA's Atlanta office. A revised termination plan was submitted on January 7, 2013, and the County expects discussions with the EPA and citizen plaintiffs on the proposed plan to continue in the near future. Dynamic hydraulic model calibration is complete; capacity analysis is complete. Remedial measures are currently being reviewed.

#### Five Mile Creek Collection System

Per the approved WTSCIP amendments No. 11 & 17, evaluation of the rehabilitation results and performance of the Five Mile Creek Collection System continues. Dynamic hydraulic base model construction is underway.

#### Leeds Collection System

The provisions of the Consent Decree applicable to the Leeds Complete Waste Treatment System were terminated April 23, 2012. The existing dynamic hydraulic model of the System has been updated. Dynamic hydraulic model calibration is complete; capacity analysis is complete. Remedial measures are currently being reviewed.

#### Prudes Creek Collection System

The provisions of the Consent Decree applicable to the Prudes Creek Complete Waste Treatment System were terminated April 29, 2009. The existing dynamic hydraulic model of this system is being updated.

#### Shades Creek Collection System

Per the approved WTSCIP amendment No. 16, evaluation of the rehabilitation results and performance of the Shades Creek Collection System continues. Dynamic hydraulic model calibration is complete; capacity analysis is ongoing.

## Trussville Collection System

The provisions of the Consent Decree applicable to the Trussville Complete Waste Treatment System were terminated February 23, 2009.

#### Turkey Creek Collection System

The provisions of the Consent Decree applicable to the Turkey Creek Complete Waste Treatment System were terminated December 8, 2008. Dynamic hydraulic model calibration is complete; rainfall analysis is ongoing.

#### Valley Creek Collection System

Per the approved WTSCIP amendment No. 10, evaluation of the rehabilitation results and performance of the Valley Creek Collection System continues. The dynamic hydraulic model of this system has been completed. A remedial measures plan is being reviewed.

#### Village Creek Collection System

Per the approved WTSCIP amendment No. 8, evaluation of the rehabilitation results and performance of the Village Creek Collection System continues. Dynamic hydraulic base model construction is underway.

#### Warrior Collection System

The provisions of the Consent Decree applicable to the Warrior Complete Waste Treatment System were terminated April 16, 2008.

See Sewer Impacts Report for the First Quarter, 2018 on the following Table II.

Table II: Sewer Impacts Report First Quarter, 2018

Collection System	Permits Issued this Quarter	Fixtures Permitted this Quarter
Cahaba River	160	3,407.75
Five Mile Creek	21	869.81
Leeds	2	46.70
Prudes Creek	1	16.00
Trussville	18	264.50
Turkey Creek	9	110.00
Valley Creek	239	5,067.93
Village Creek	32	413.14
Warrior	0	0.00
Total	482	10,195.83

To date, the County has complied with the requirements of the Consent Decree with respect to deliverables and construction.

#### **Unpermitted Discharges**

Under the *Unpermitted Sewer Discharge Tracking and Reporting Program*, the County reports all known unpermitted discharges from the County-owned and operated sewers and treatment plants. Tracking, reporting and documentation for discharges occurring in the municipal systems are being reported separately from the County's systems. Summary reports are submitted to EPA and the citizen plaintiffs, and placed in the Public Document Repositories, monthly. Additional documentation for the discharge events is also submitted to EPA monthly.