

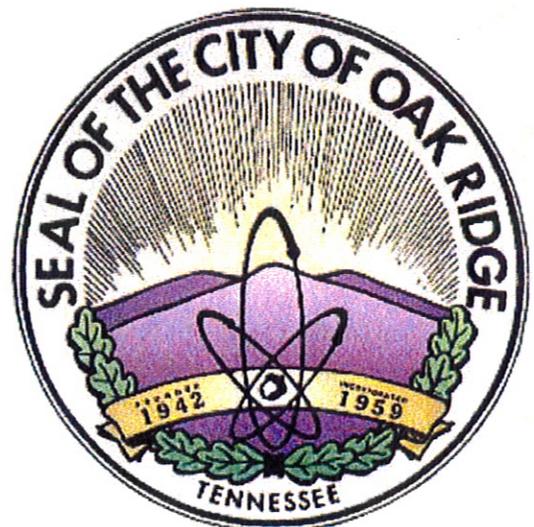
Third Quarterly Report

**United States Environmental Protection Agency
Administrative Order No. CWA-04-2010-4772**

**Period
April 1, 2011 –
June 30, 2011**

July 2011

Submitted by:



Third Quarterly Report

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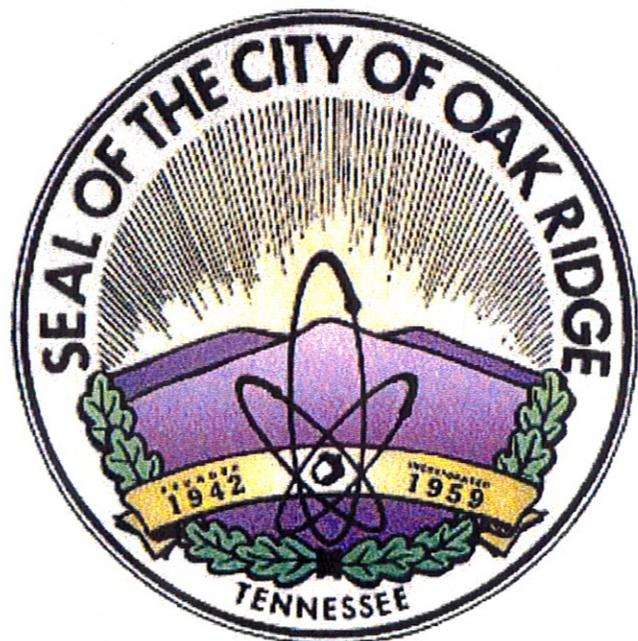
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SECTION I:

OVERVIEW OF ORDER



SECTION I

OVERVIEW OF ORDER

On September 28, 2010, an Administrative Order issued by the United States Environmental Protection Agency (EPA) to the City of Oak Ridge, which was received on September 30, 2010. The Order cited numerous incidents of Sanitary Sewer Overflows (SSO's). The Order had four (4) general sections outlining activities required of the City with a defined schedule for compliance. Those areas are as follows:

Sanitary Sewer Overflows

Within two (2) months (November 30, 2010), a list of SSO's which occurred in the previous two years, were required to be submitted. That list was submitted on time.

System Evaluation and Rehabilitation Plans (SERP)

Within six (6) months (March 30, 2011), the City was to develop work plans for Capacity Assessment of the system and a Sewer System Evaluation Survey (SSES). Following the Capacity Assessment Work Plan, the City must develop a Capacity Assessment Report in accordance with the work plan. That report is due for submittal to the EPA within one year of approval of the work plan. The execution of the SSES work plan must be completed within



one year of approval. The results of the evaluation survey must be submitted within two (2) months after completion of the survey. Two (2) months following the results, a Remediation Plan must be submitted for review and approval. Both the Capacity Work Plan and the Sewer System Evaluation Survey (SSES) work plan were approved by the EPA during the third quarter of the A.O.

Sanitary Sewer Overflow Response Plan (SORP)

Within six (6) months (Second Quarter), the City shall prepare and submit a Response Plan detailing procedures to be taken relative to any overflows occurring in the sewer system. The SORP was approved by EPA during the third quarter of the A.O.

Management, Operation, and Maintenance Programs (MOM)

The MOM portion of the Order has many components. The general topics are as follows:

- Information Management System (IMS) Programs
- Engineering
- Pump Station Operations Programs
- Maintenance Programs

The schedule for submittals varies for the different components of the MOM portion of the Order.



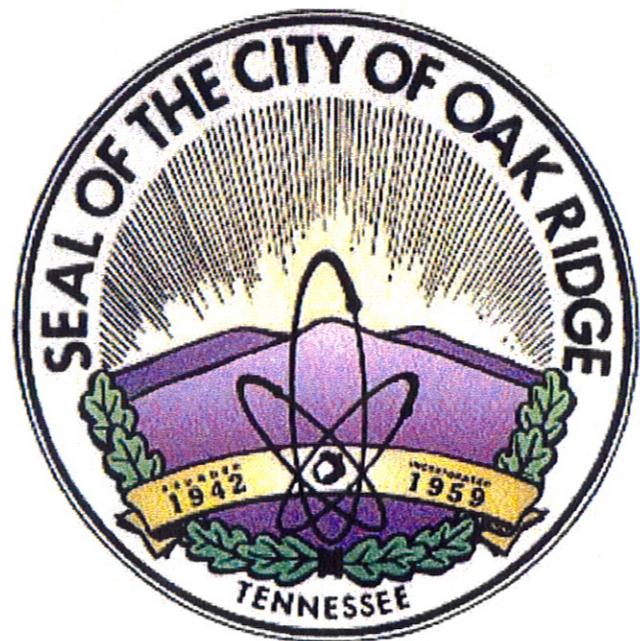
In addition to the above referenced requirements of the Order, the City must submit quarterly reports to the EPA documenting the activities of the quarter. These reports are due on the 28th day of the month following the end of the quarter. The Order outlines the format of these reports. The first and second quarterly reports were submitted on time.

Section II of this report addresses the activities of the third quarter after receipt of the Order.



SECTION II:

**ACTIONS DURING
THE THIRD QUARTER**



SECTION II

ACTIONS DURING THE THIRD QUARTER

A. Activities of the Old Program

In 1991, the City of Oak Ridge began a program to eliminate overflows at the influent pumping station at the wastewater treatment plant. That program was to expand the hydraulic capacity of the wastewater treatment plant and reduce infiltration/inflow (I/I) in the system. Prior to the issuance of the Order, the treatment plant capacity was expanded to 30.0 million gallons per day (MGD). Sewer rehabilitation projects have been designated by letters. Contracts through "N" have been designed and constructed.

During the third quarter work under the "old program" continued. The design of two rehabilitation projects was completed and advertised for bid during the third quarter. These projects were in the Emory Valley Sewer Shed. A "dig and lay" project has been designed to replace an interceptor under a railroad and the Oak Ridge Turnpike. The design has been completed on three pumping station replacements. When these projects are constructed, the "old program" activities, including funding, will be complete. Over the life of the "old program", thirteen (13) pumping stations will have been upgraded.



As a continuation of investigative work in the system, the City has continued to inspect sewers by closed circuit television (CCTV) using in-house personnel and equipment.

During the third quarter, sewers in the following mini-basins were inspected using CCTV.

CCTV
E1
E2
E3
E6
E7
E8
E9
E10
E11
E12
E13B
E14
E18
E19
E23
E27
E28

During the third quarter, bid documents were prepared and bids received for contract cleaning and CCTV work to augment the City's in-house resources. This work is scheduled to be complete so that the data can be used in both the Capacity Assessment Report and the SSES.



Smoke testing was reactivated during the third quarter. Due to soil moisture, these tests were suspended in the fall of 2010. During the third quarter, smoke testing occurred in the mini-basins shown below:

Smoke Tested	
E1	W6
E2	W8
E3	W9
E4	W12
E6	W13
E7	W15
E8	W16
E9	W18A
E10	W18C
E11	W18D
E12	W18E
E25	W18F
E28	W18G
E30	W19
E31	W21
W2	W23
W3	W26
W4	W26A
W5	W34



During the third quarter, there were 497 manholes inspected in the following mini-basins:

MH INSPECTIONS	MH'S INSPECTED	PENDING	CAN NOT LOCATE
E1	1	0	0
E12	10	0	0
E14A	6	0	0
E17	1	0	0
E23	1	0	0
E31	1	0	0
W6	14	0	0
W9	48	0	0
W15	44	0	0
W17	167	2	8
W18F	45	0	0
W27	29	0	2
W29	111	1	5
W31	10	0	0
W33	3	0	0
W35	6	0	0
TOTAL	497	3	15

B. Third Quarter Activities Relative to the Order

Lamar Dunn & Associates, Inc. (LD&A) continues to assist the City with various tasks required by the Order.



The Order requires a GIS program. During the third quarter, the GIS program continued to be populated with data from field investigative work.

The Sanitary Sewer Overflow Response Plan (SORP) was approved by EPA during the third quarter (as mentioned earlier).

Item 16D(i) of the Order requires the City to submit an information Management System Programs. A committee of City personnel and the consultant continued to be active during the third quarter. The IMS program was submitted to the EPA before the due date.

The City staff selected INFOR as the vendor for the IMS software. The City council approved the purchase during the third quarter.

The Capacity Assessment Plan was submitted within the required schedule, as was the Sanitary Sewer Evaluation Survey Work Plan. EPA approved both documents during the third quarter (as mentioned earlier). The pumping station committee continued developing the maintenance and operations documents for the MOM.

The City has installed three (3) rain gauges, and is collecting rainfall data. Flow monitoring equipment is in place with data being collected for both the Capacity Assessment report and the SSES.



The Public Works Director, Staff Engineer, and Consultant have been active during the third quarter reviewing MOM requirements and preparing drafts of several sections.

The City has developed a selection process to secure design consultants in order to get the needed rehabilitation work completed prior to mid-2015. Five firms have been selected. After contracts are negotiated, it is anticipated that design activities will commence during fourth quarter of the A.O.

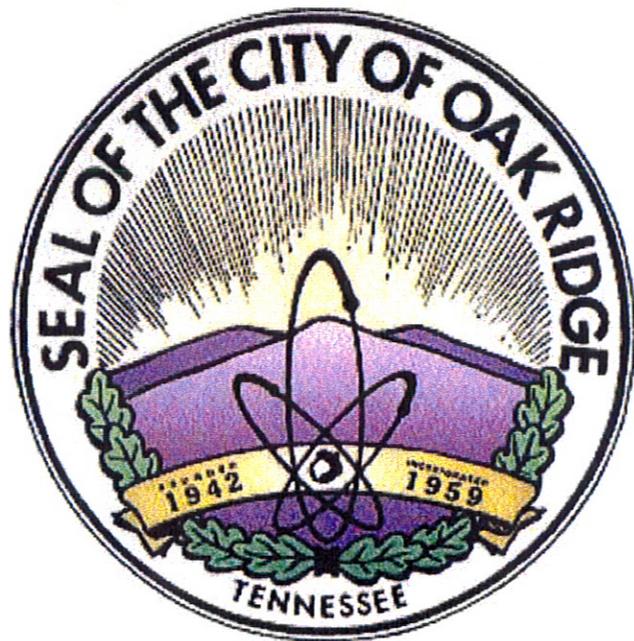
As the model is being built, it has been determined that certain information is inconsistent in the sewer record drawings. During the third quarter, a survey crew has been confirming invert elevations of manholes.

When the weather changed to permit smoke testing to be reactivated, a third smoke crew was added. There were three crews of four persons in the field during the testing time of the third quarter.



SECTION III:

**SSO's DURING
THIRD QUARTER**



SECTION III

SSO's DURING THIRD QUARTER

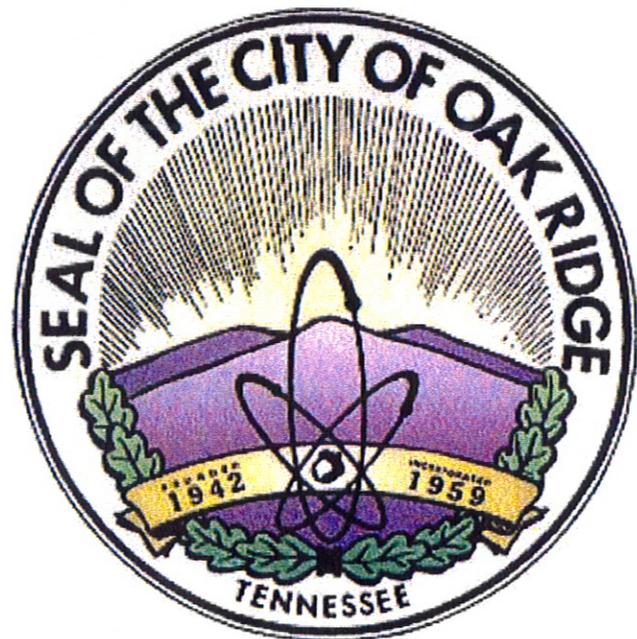
During the third quarter, there were four (4) storm events. Appendix A contains the report sheets for each overflow that occurred during the third quarter for whatever the reason. These sheets meet the criteria set forth in Section 18 of the Order, which includes:

- Date of event
- Specific location
- Estimated flow rate
- Time event started and finished
- Estimated total flow volume
- Rainfall event (in/day)
- Discharge destination



SECTION IV:

OTHER GENERAL COMMENTS



SECTION IV

OTHER GENERAL COMMENTS

The City has been extremely active over the first three quarters of the Administrative Order. To date, all requirements have been met both for content and timeliness.

In the first quarterly report, mention was made of a conference call between the City and EPA concerning the National Nuclear Security Administration's (NNSA) Y-12 facility. In the second quarterly report, Y-12 was mentioned again.

There remains a concern by the City that the magnitude and complexity of the Y-12 matter is not fully understood by EPA. As the next phase of the enforcement activities of EPA is instituted, the ramifications of that flow component should be given proper consideration.

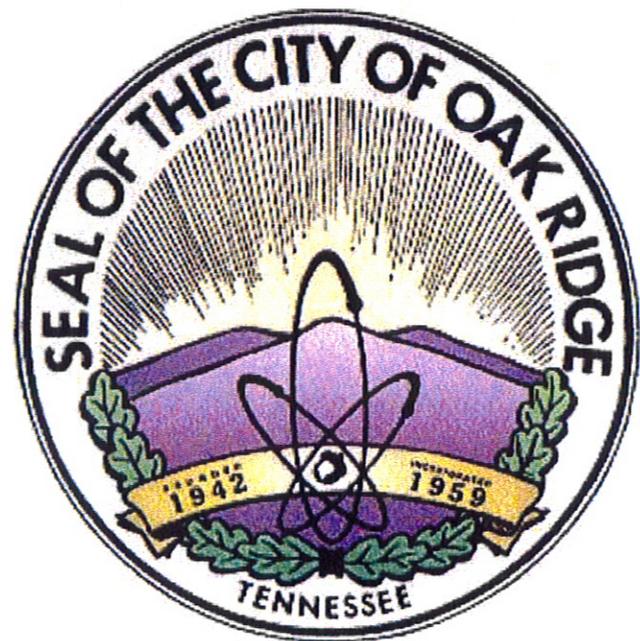
It is recognized by the City that they own their collection system and hold its permit. However, the Y-12 facility operates at a level higher than state government. That facility, from a practical perspective, is not the same as any other industrial customer. The Y-12 matter should be thoroughly reviewed by the parties prior to finalization of any civil penalties. This situation is one where the City and EPA should cooperate to affect a timely solution to the matter.



During the third quarter, discussions were held with Y-12 personnel. Attempts have been made to reduce peak flow rates. However, during large rain events, flows remain high.



APPENDIX A: SSO'S REPORT SHEETS FOR THIRD QUARTER



EPA Sanitary Sewer Overflow Summary (See Attached SSO Reports for Details)

3rd Quarterly Report - April 1, 2011 to June 31, 2011

Start Date	St Name	St #	Est Tot Flow (Gal)	Explain OF Cause	Other Measures	Flow in Surface	Name of Surface Water
4/5/2011	Illinois Avenue, South	216	26100		City continues work to correct I&I	<input checked="" type="checkbox"/>	East Fork Poplar Creek
4/5/2011	Iroquois Road		2460		City continues work to correct I&I	<input checked="" type="checkbox"/>	Tributary to East Fork Poplar Creek
4/5/2011	Purdue Avenue, North	117	47400		City continues work to correct I&I	<input checked="" type="checkbox"/>	Tributary to East Fork Poplar Creek
4/5/2011	Tusculum Drive	191	3050		City continues work to correct I&I	<input checked="" type="checkbox"/>	East Fork Poplar Creek
4/12/2011	Darwin Road	104	900	Roots grew over slip-lined pipe in manhole causing overflow		<input checked="" type="checkbox"/>	Tributary stream to Melton Lake
4/12/2011	Darwin Road	104	180	Roots grew over slip-lined pipe in manhole causing overflow		<input checked="" type="checkbox"/>	Tributary stream to Melton Lake
4/12/2011	Delaware Avenue	513	3	City crew was jet rodding the sewer main and blew water back into house through the toilet		<input type="checkbox"/>	
4/13/2011	Delaware Avenue	509	3	City crew was jet rodding the sewer main and blew water back into house through the toilet		<input type="checkbox"/>	
4/16/2011	Athens Road	119	36200		City continues work to correct I&I	<input checked="" type="checkbox"/>	Tributary to Melton Lake
4/16/2011	Bay Path Drive	108	9500		City continues work to correct I&I	<input checked="" type="checkbox"/>	Emory Valley Creek
4/16/2011	Cairo Lane	151	15300		City continues work to correct I&I	<input checked="" type="checkbox"/>	Ernie's Creek
4/16/2011	Dresden Road	100	4750		City continues work to correct I&I	<input checked="" type="checkbox"/>	Tributary to Ernie's Creek
4/16/2011	Illinois Avenue, South	216	10800		City continues work to correct I&I	<input checked="" type="checkbox"/>	East Fork Poplar Creek
4/16/2011	Melton Lake Drive	695	116750		City continues work to correct I&I	<input checked="" type="checkbox"/>	Melton Hill Lake
4/16/2011	Oak Ridge Turnpike	1289	1760		City continues work to correct I&I	<input checked="" type="checkbox"/>	Tributary to East Fork Poplar Creek

Start Date	St Name	St #	Est Tot Flow (Gal)	Explain OF Cause	Other Measures	Flow in Surface	Name of Surface Water
4/16/2011	Oak Ridge Turnpike	1403	14600		City continues work to correct I&I	<input checked="" type="checkbox"/>	Tributary to East Fork Poplar Creek
4/16/2011	Oak Ridge Turnpike	1403	14400		City continues work to correct I&I	<input checked="" type="checkbox"/>	Tributary to East Fork Poplar Creek
4/16/2011	Oak Ridge Turnpike	1403	30400		City continues work to correct I&I	<input checked="" type="checkbox"/>	Tributary to East Fork Poplar Creek
4/16/2011	Oak Ridge Turnpike	470	6800		City continues work to correct I&I	<input checked="" type="checkbox"/>	Tributary to Ernie's Creek
4/16/2011	Oak Ridge Turnpike	535	36800		City continues work to correct I&I	<input checked="" type="checkbox"/>	Ernie's Creek
4/16/2011	Purdue Avenue, North	117	134000		City continues work to correct I&I	<input checked="" type="checkbox"/>	Tributary to East Fork Poplar Creek
4/16/2011	Tusculum Drive	191	3000		City continues work to correct I&I	<input checked="" type="checkbox"/>	East Fork Poplar Creek
4/28/2011	Athens Road		4000	Evidence of overflow found at 12:51 pm	City continues work to correct I&I	<input checked="" type="checkbox"/>	Tributary to Melton Hill Lake
4/28/2011	Athens Road	119	17000	Evidence of overflow found at 12:54 pm	City continues work to correct I&I	<input checked="" type="checkbox"/>	Tributary to Melton Hill Lake
4/28/2011	Bay Path Drive	108	8000	Evidence of overflow found at 8:33 am	City continues work to correct I&I	<input checked="" type="checkbox"/>	Emory Valley Creek
4/28/2011	Broadway	281	1750	Towels and roots in line	City continues work to correct I&I	<input checked="" type="checkbox"/>	Ernie's Creek
4/28/2011	Cairo Lane	151	13000	Evidence of overflow found at 10:51 am	City continues work to correct I&I	<input checked="" type="checkbox"/>	Ernie's Creek
4/28/2011	Dresden Road	100	3000	Evidence of overflow found at 10:59 am	City continues work to correct I&I	<input checked="" type="checkbox"/>	Tributary to Ernie's Creek
4/28/2011	Illinois Avenue, South	216	18000	Evidence of overflow found at 2:41 pm	City continues work to correct I&I	<input checked="" type="checkbox"/>	East Fork Poplar Creek
4/28/2011	Iroquois Road		12500	Evidence of overflow found at 9:06 am	City continues work to correct I&I	<input checked="" type="checkbox"/>	Tributary to East Fork Poplar Creek
4/28/2011	Melton Lake Drive	695	40000	Evidence of overflow found at 8:26 am	City continues work to correct I&I	<input checked="" type="checkbox"/>	Melton Hill Lake
4/28/2011	Oak Ridge Turnpike	1289	4000	Evidence of overflow found at 2:01 pm	City continues work to correct I&I	<input checked="" type="checkbox"/>	Tributary to East Fork Poplar Creek
4/28/2011	Oak Ridge Turnpike	1403	17000	Evidence of overflow found at 2:15 pm	City continues work to correct I&I	<input checked="" type="checkbox"/>	Tributary to East Fork Poplar Creek

Start Date	St Name	St #	Est Tot Flow (Gal)	Explain OF Cause	Other Measures	Flow in Surface	Name of Surface Water
4/28/2011	Oak Ridge Turnpike	1403	18000	Evidence of overflow found at 2:08 pm	City continues work to correct I&I	<input checked="" type="checkbox"/>	Tributary to East Fork Poplar Creek
4/28/2011	Oak Ridge Turnpike	1403	17000	Evidence of overflow found at 2:12 pm	City continues work to correct I&I	<input checked="" type="checkbox"/>	Tributary to East Fork Poplar Creek
4/28/2011	Oak Ridge Turnpike	470	4500	Evidence of overflow found at 1:25 pm	City continues work to correct I&I	<input checked="" type="checkbox"/>	Tributary to Ernie's Creek
4/28/2011	Oak Ridge Turnpike	535	18000	Evidence of overflow found at 12:46 pm	City continues work to correct I&I	<input checked="" type="checkbox"/>	Ernie's Creek
4/28/2011	Purdue Avenue, North	117	65000	Evidence of overflow found at 1:53 pm	City continues work to correct I&I	<input checked="" type="checkbox"/>	Tributary to East Fork Poplar Creek
4/28/2011	Robertsville Road	270	10000	Evidence of overflow found at 2:52 pm	City continues work to correct I&I	<input checked="" type="checkbox"/>	Tributary to East Fork Poplar Creek
4/28/2011	Tusculum Drive	191	4500	Evidence of overflow found at 2:45 pm	City continues work to correct I&I	<input checked="" type="checkbox"/>	East Fork Poplar Creek
5/2/2011	Everest Circle	120	2	City crew was jet rodding the sewer main and caused water to splash out of toliet	Offered to clean up water. Owner declined help. Notified our insurance agent, filled out incident report	<input type="checkbox"/>	
5/3/2011	Broadway	107	1	City crew was jet rodding the sewer main and blew water back through the toliet	Offered to clean up water. Owner declined help. Notified our insurance agent, filled out incident report	<input type="checkbox"/>	
5/16/2011	Culver Road	110	20	City crew was jet rodding the sewer main and blew water back through the toliet	Contacted the city's insurance adjuster for clean up	<input type="checkbox"/>	
5/17/2011	Converse Lane	14	2	City crew was jet rodding the sewer main and blew water back through the toliet	Offered to clean up water. Owner declined help. Filled out incident report	<input type="checkbox"/>	
5/24/2011	Beverly Circle	109	3000	Towels and roots in line		<input type="checkbox"/>	
5/24/2011	Beverly Circle	117	2500	Towels and roots in line		<input type="checkbox"/>	
5/26/2011	Oak Ridge Turnpike	961	10	City crew was jet rodding the sewer main and blew water back through the toliet	We offered to clean up water but owner decined help. Incident report filled out	<input type="checkbox"/>	
6/3/2011	Anna Road	108	2	PCI contractor was cleaning sewer main with jet rodder and caused water to splash out of toliet	City offered to clean up water, but homeowner declined help. I filled out incident report	<input type="checkbox"/>	

Start Date	St Name	St #	Est Tot Flow (Gal)	Explain OF Cause	Other Measures	Flow in Surface	Name of Surface Water
6/5/2011	Providence Road	130	7000	Roots were growing around end of pipeburst pipe in manhole causing stop-up	Ran 4" saw to unstop line	<input checked="" type="checkbox"/>	Tributary to East Fork Poplar Creek
6/8/2011	Jefferson Avenue	264	85			<input type="checkbox"/>	
6/9/2011	Vance Road, West	110	20			<input type="checkbox"/>	(Did not go into surface water) Tributary to East Fork Poplar Creek
6/9/2011	Vance Road, West	114	20			<input type="checkbox"/>	(Did not go into surface water) Tributary to East Fork Poplar Creek
6/15/2011	Butler Road	220	0	Unstopped sewer main. Removed roots and plastic bag.	0.5 gallons of sewer seaped out from the wax ring at the base of the toilet. Sewer was confined to bathroom around the base of the toilet. Home owner declined city assistance and cleaned up sewer.	<input type="checkbox"/>	
6/17/2011	Vernon Road	106	20	The city crew was jet rodding the sewer main and caused water to come out of the basement drain and get into basement	Called city's insurance adjuster for clean up	<input type="checkbox"/>	
6/21/2011	Warehouse Road	394	2	Cleaning sewer main caused water to splash out of toilet	Offered to clean up but owner said he would take care of it	<input type="checkbox"/>	
6/24/2011	Athens Road	4000	4000	2" of rainfall in a 3 hr period	City continues work to correct I&I	<input checked="" type="checkbox"/>	Tributary to Melton Lake Hill
6/24/2011	Bay Path Drive	108	8000	Evidence of overflow found at 9:23 am. 2" of rainfall in a 3 hr period	City continues work to correct I&I	<input checked="" type="checkbox"/>	Emory Valley Creek
6/24/2011	Melton Lake Drive	695	39800	2" of rainfall in a 3 hr period	City continues work to correct I&I	<input checked="" type="checkbox"/>	Melton Hill Lake
6/24/2011	Oak Ridge Turnpike	470	4000	Evidence of overflow found at 10:33 am. 2" of rainfall in a 3 hour period	City continues work to correct I&I	<input checked="" type="checkbox"/>	Tributary to Ernie's Creek
6/24/2011	Pumphouse Road	13000	13000	8 am notified of power outage due to sever thunderstorm. 2" of rainfall in a 3 hour period. Power restored at 12:20 pm.		<input checked="" type="checkbox"/>	Melton Hill Lake

Start Date	St Name	St #	Est Tot Flow (Gal)	Explain OF Cause	Other Measures	Flow in Surface	Name of Surface Water
6/24/2011	Pumphouse Road		26000	8 am notified of power outage due to sever thunderstorm. 2" of rainfall in a 3 hour period. Power restored at 12:20 pm.		<input checked="" type="checkbox"/>	Melton Hill Lake
6/24/2011	Purdue Avenue, North	117	16000	Evidence of overflow found at 10:58 am. 2" of rainfall in a 3 hour period	City continues work to correct I&I	<input checked="" type="checkbox"/>	Tributary to Melton Hill Lake

CITY OF OAK RIDGE

REPORT DATE: 4/5/2011

SANITARY SEWER OVERFLOW FINAL REPORT

NPDES PERMIT # TN0024155

LOCATION DATA

LOCATION: 216 S. Illinois Ave.

1st Occurrence at this location? Y N

If No, Date of Last Occurrence: 3/9/2011

POINT OF OCCURANCE

Manhole Clean Out In-House Backup Lift Station Name: None or None or None

If Manhole; Give Mini-system # W18A Map Page # J11 Manhole # J11-16 Force Main:

FLOW DATA

Start Date: 4/5/2011 Time: 12:36 AM PM End Date: 4/5/2011 Time: 3:30 AM PM

Duration 2 hrs. 54 min. hours/minutes Est. Flow Rate: 150 gpm Estimated Total Flow: 26,100 gallons

CAUSES

(Check all that apply)

Rainfall [Estimated amount 1.87 in] Power Outage Equipment Failure

Broken Sewer Blocked line from Roots Grease Collapse Other

Explain causes of overflow:

REMEDIAL MEASURES TO CORRECT, PREVENT OR MINIMIZE FUTURE OCCURANCES

Line was: Jet Rodded Nozzle Root Saw Lid Removed Lined Equipment Repair

Line will be: cleaned and TV'd for needed repair: Other: City continues work to correct I&I

WHERE DID DISCHARGE GO (Check all that apply)

Did flow run to surface water: Yes No Name of surface water: East Fork Poplar Creek

Ran on/in: Ground & absorbed into soil Ditch Storm Sewer

Basement Back-up No. of basements Use (i.e., commercial, residential)

Other (describe)

Notified Public: Yes No How: City Web Site The Oak Ridger Signs Posted Date:

Names of Responders: David Patterson, Mark Maples

Report completed by *Rob Brown* Title: *Operations & Maint. Manager* Date: *4/8/11*

Reviewed by _____ Title: _____ Date: _____

Initial TDEC Notification By: David Patterson Date: 4/5/2011

After Review & *Scott Jackson* Title: *Operations Manager* Date: *4-11-11*
Notification to TDEC

Final Review *[Signature]* Title: *Public Works Director* Date: *4/11/11*

Final Report Transmitted to TDEC By: *Kathy Stout* Date: *4/11/11*

FAXED

LOCATION: Iroquios Rd. @ Robertsville Rd. LOCATION DATA 1st Occurrence at this location? Y N

If No, Date of Last Occurrence: 2/28/2011

POINT OF OCCURANCE

Manhole Clean Out In-House Backup Lift Station Name: None or None or None
If Manhole; Give Mini-system # W11 Map Page # E10 Manhole # New-AP5 Old-2-82 Force Main:

FLOW DATA

Start Date: 4/5/2011 Time: 12:56 AM PM End Date: 4/5/2011 Time: 2:18 AM PM

Duration 1 hr.22 min hours/minutes Est. Flow Rate: 30 gpm Estimated Total Flow: 2,460 gallons

CAUSES

(Check all that apply)

Rainfall [Estimated amount 1.87 in] Power Outage Equipment Failure
Broken Sewer Blocked line from Roots Grease Collapse Other

Explain causes of overflow:

REMEDIAL MEASURES TO CORRECT, PREVENT OR MINIMIZE FUTURE OCCURANCES

Line was: Jet Rodded Nozzle Root Saw Lid Removed Lined Equipment Repair

Line will be: cleaned and TV'd for needed repair: Other: City continues work to correct I&I

WHERE DID DISCHARGE GO (Check all that apply)

Did flow run to surface water: Yes No Name of surface water: Tributary to East Fork Poplar Creek
Ran on/in: Ground & absorbed into soil Ditch Storm Sewer
Basement Back-up No. of basements Use (i.e., commercial, residential)

Other (describe)

Notified Public: Yes No How: City Web Site The Oak Ridger Signs Posted Date:

Names of Responders: David Patterson, Mark Maples

Report completed by Rick Louzi Title: Operations & Maint. Manager Date: 4/8/11

Reviewed by Title: Date:

Initial TDEC Notification By: David Patterson Date: 4/5/2011

After Review & Notification to TDEC By: Keith Jackson Title: Operations Manager Date: 4-11-11

Final Review By: [Signature] Title: Public Works Director Date: 4/11/11

Final Report Transmitted to TDEC By: Kathy Stout Date: 4/11/11

FAXED

CITY OF OAK RIDGE

SANITARY SEWER OVERFLOW FINAL REPORT

NPDES PERMIT # TN0024155

REPORT DATE: 4/5/2011

LOCATION DATA

LOCATION: 117 N. Prudue Ave.

1st Occurrence at this location? Y N

If No, Date of Last Occurrence: 3/9/2011

POINT OF OCCURANCE

Manhole Clean Out In-House Backup

Lift Station Name: None or None or None

If Manhole; Give Mini-system # W5A

Map Page # G15

Manhole # G15-13

Force Main:

FLOW DATA

Start Date: 4/5/2011 Time: 2:32 AM PM

End Date: 4/5/2011 Time: 5:10 AM PM

Duration 2 hrs. 38 min. hours/minutes Est. Flow Rate: 300 gpm Estimated Total Flow: 47,400 gallons

CAUSES

(Check all that apply)

Rainfall [Estimated amount 1.87 in] Power Outage Equipment Failure

Broken Sewer Blocked line from Roots Grease Collapse Other

Explain causes of overflow:

REMEDIAL MEASURES TO CORRECT, PREVENT OR MINIMIZE FUTURE OCCURANCES

Line was: Jet Rodded Nozzle Root Saw Lid Removed Limed Equipment Repair

Line will be: cleaned and TV'd for needed repair: Other: City continues work to correct I&I

WHERE DID DISCHARGE GO (Check all that apply)

Did flow run to surface water: Yes No

Name of surface water: Tributary to East Fork Poplar Creek

Ran on/in: Ground & absorbed into soil Ditch Storm Sewer

Basement Back-up No. of basements Use (i.e., commercial, residential)

Other (describe)

Notified Public: Yes No How: City Web Site The Oak Ridger Signs Posted Date:

Names of Responders: David Patterson, Mark Maples

Report completed by Rick Brown Title: Operations & Maint. Manager Date: 4/8/11

Reviewed by _____ Title: _____ Date: _____

Initial TDEC Notification By: David Patterson Date: 4/5/2011

After Review & Rick Brown Title: Operations Manager Date: 4-11-11
Notification to TDEC

Final Review Kathy Stout Title: Public Works Director Date: 4/11/11

Final Report Transmitted to TDEC By: Kathy Stout Date: 4/11/11

FAXED

REPORT DATE: 4/5/2011

**CITY OF OAK RIDGE
SANITARY SEWER OVERFLOW FINAL REPORT**

NPDES PERMIT # TN0024155

LOCATION DATA

LOCATION: 191 Tusculum Dr..

1st Occurrence at this location? Y N

If No, Date of Last Occurrence: 3/9/2011

POINT OF OCCURANCE

Manhole: Clean Out: In-House Backup: Lift Station: Name: None or None or None

If Manhole; Give Mini-system # W19 Map Page # H11 Manhole # H11-4 Force Main:

FLOW DATA

Start Date: 4/5/2011 Time: 12:42 AM PM End Date: 4/5/2011 Time: 2:44 AM PM

Duration 2hrs. 2 min. hours/minutes Est. Flow Rate: 25 gpm Estimated Total Flow: 3,050 gallons

CAUSES

(Check all that apply)

Rainfall [Estimated amount 1.87 in] Power Outage Equipment Failure

Broken Sewer Blocked line from Roots Grease Collapse Other

Explain causes of overflow:

REMEDIAL MEASURES TO CORRECT, PREVENT OR MINIMIZE FUTURE OCCURANCES

Line was: Jet Rodded Nozzle Root Saw Lid Removed Lined Equipment Repair

Line will be: cleaned and TV'd for needed repair: Other: City continues work to correct I&I

WHERE DID DISCHARGE GO (Check all that apply)

Did flow run to surface water: Yes No Name of surface water: East Fork Poplar Creek

Ran on/in: Ground & absorbed into soil Ditch Storm Sewer

Basement Back-up No. of basements Use (i.e., commercial, residential)

Other (describe)

Notified Public: Yes No How: City Web Site The Oak Ridger Signs Posted Date:

Names of Responders: David Patterson, Mark Maples

Report completed by Rick Elwin Title: Operations & Maint. Manager Date: 4/8/11

Reviewed by _____ Title: _____ Date: _____

Initial TDEC Notification By: David Patterson Date: 4/5/2011

After Review & David Patterson Title: Operations Manager Date: 4-11-11
Notification to TDEC

Final Review [Signature] Title: Public Works Director Date: 4/11/11

Final Report Transmitted to TDEC By: Kathy Stout Date: 4/11/11

FAXED

CITY OF OAK RIDGE

REPORT DATE: 4/15/2011

SANITARY SEWER OVERFLOW FINAL REPORT

NPDES PERMIT # TN0024155

LOCATION DATA

LOCATION: 104 East Darwin Rd

1st Occurrence at this location? Y N

If No, Date of Last Occurrence:

POINT OF OCCURANCE

Manhole Clean Out In-House Backup Lift Station Name: None or None or None

If Manhole; Give Mini-system # E10 Map Page # E-20 Manhole # C-811A Force Main:

FLOW DATA

Start Date: 4/12/2011 Time: 8:30 AM PM End Date: 4/12/2011 Time: 10:00 AM PM

Duration 1 1/2 hours/minutes Est. Flow Rate: 10 gpm Estimated Total Flow: 900 gallons

CAUSES

(Check all that apply)

Rainfall [Estimated amount in] Power Outage Equipment Failure

Broken Sewer Blocked line from Roots Grease Collapse Other

Explain causes of overflow: Roots grew over slip-lined pipe in manhole causing overflow.

REMEDIAL MEASURES TO CORRECT, PREVENT OR MINIMIZE FUTURE OCCURANCES

Line was: Jet Rodded Nozzle Root Saw Lid Removed Lined Equipment Repair

Line will be: cleaned and TV'd for needed repair: Other:

WHERE DID DISCHARGE GO (Check all that apply)

Did flow run to surface water: Yes No Name of surface water: Tributary stream to Melton Lake

Ran on/in: Ground & absorbed into soil Ditch Storm Sewer

Basement Back-up No. of basements Use (i.e., commercial, residential)

Other (describe)

Notified Public: Yes No How: City Web Site The Oak Ridger Signs Posted Date:

Names of Responders: Trevor Gallaher, Don Smith, Gene Wilson

Report completed by Rick Lawson Title: Operations & Maint. Manager Date: 4/15/11

Reviewed by _____ Title: _____ Date: _____

Initial TDEC Notification By: Trevor Gallaher Date: 4-13-2011

After Review & Kathy Stout Title: Operations Manager Date: 4-15-11
Notification to TDEC

Final Review [Signature] Title: Public Works Director Date: 4/15/11

Final Report Transmitted to TDEC By: Kathy Stout Date: 4/18/11

FAXED

CITY OF OAK RIDGE

REPORT DATE: 4/15/2011

SANITARY SEWER OVERFLOW FINAL REPORT

NPDES PERMIT # TN0024155

LOCATION DATA

LOCATION: 104 East Darwin Rd

1st Occurrence at this location? Y N

If No, Date of Last Occurrence: 12/11/2010

POINT OF OCCURANCE

Manhole Clean Out In-House Backup

Lift Station Name: None or None or None

If Manhole; Give Mini-system # E10

Map Page # E-20

Manhole # C-811

Force Main:

FLOW DATA

Start Date: 4/12/2011 Time: 8:30 AM PM

End Date: 4/12/2011 Time: 10:00 AM PM

Duration 1 1/2 hours/minutes Est. Flow Rate: 2 gpm Estimated Total Flow: 180 gallons

CAUSES

(Check all that apply)

Rainfall [Estimated amount in] Power Outage Equipment Failure

Broken Sewer Blocked line from Roots Grease Collapse Other

Explain causes of overflow: Roots grew over slip-lined pipe in manhole causing overflow.

REMEDIAL MEASURES TO CORRECT, PREVENT OR MINIMIZE FUTURE OCCURANCES

Line was: Jet Rodded Nozzle Root Saw Lid Removed Lined Equipment Repair

Line will be: cleaned and TV'd for needed repair: Other: _____

WHERE DID DISCHARGE GO (Check all that apply)

Did flow run to surface water: Yes No

Name of surface water: Tributary stream to Melton Lake

Ran on/in: Ground & absorbed into soil Ditch Storm Sewer

Basement Back-up No. of basements _____ Use (i.e., commercial, residential) _____

Other (describe) _____

Notified Public: Yes No How: City Web Site The Oak Ridger Signs Posted Date: _____

Names of Responders: Trevor Gallaher, Don Smith, Gene Wilson

Report completed by Trevor Gallaher Title: Operations & Maint Manager Date: 4/15/11

Reviewed by _____ Title: _____ Date: _____

Initial TDEC Notification By: Trevor Gallaher Date: 4/13/2011

After Review & Scott Johnson Title: Operations Manager Date: 4-15-11
Notification to TDEC

Final Review [Signature] Title: Public Works Director Date: 4/15/11

Final Report Transmitted to TDEC By: Kathy Stout Date: 4/18/11



CITY OF OAK RIDGE

REPORT DATE: 4/15/2011

SANITARY SEWER OVERFLOW FINAL REPORT

NPDES PERMIT # TN0024155

LOCATION DATA

LOCATION: 513 Delaware Ave.

1st Occurrence at this location? Y N

If No, Date of Last Occurrence:

POINT OF OCCURANCE

Manhole Clean Out In-House Backup Lift Station Name: None or None or None

If Manhole; Give Mini-system # Map Page # C-19 Manhole # Force Main:

FLOW DATA

Start Date: 4/12/2011 Time: 7:12 AM PM End Date: 4/12/2011 Time: 7:15 AM PM

Duration 3 min hours/minutes Est. Flow Rate: 1 gpm Estimated Total Flow: 3 gallons

CAUSES

(Check all that apply)

Rainfall [Estimated amount in] Power Outage Equipment Failure

Broken Sewer Blocked line from Roots Grease Collapse Other

Explain causes of overflow: City crew was jet rodding the sewer main and blew water back into the house through the toilet.

REMEDIAL MEASURES TO CORRECT, PREVENT OR MINIMIZE FUTURE OCCURANCES

Line was: Jet Rodded Nozzle Root Saw Lid Removed Limed Equipment Repair

Line will be: cleaned and TV'd for needed repair: Other:

WHERE DID DISCHARGE GO (Check all that apply)

Did flow run to surface water: Yes No Name of surface water:

Ran on/in: Ground & absorbed into soil Ditch Storm Sewer

Basement Back-up No. of basements Use (i.e., commercial, residential)

Other (describe) Water was confined to the bathroom, Called the city's insurance adjuster for inspection and to have it commercially cleaned.

Notified Public: Yes No How: City Web Site The Oak Ridger Signs Posted Date:

Names of Responders: Brian Simmons, Thomas Martin, Justin Lively and Anthony Hooks.

Report completed by Rick Irwin Title: Operations & Maint. Manager Date: 4/15/11

Reviewed by _____ Title: _____ Date: _____

Initial TDEC Notification By: Rick Irwin Date: 4/13/2011

After Review & Scott Pechon Title: Operations Manager Date: 4-15-11
Notification to TDEC

Final Review [Signature] Title: Public Works Director Date: 4/15/11

Final Report Transmitted to TDEC By: Kathy Stout Date: 4/18/11

FAKE

CITY OF OAK RIDGE

REPORT DATE: 4/15/2011

SANITARY SEWER OVERFLOW FINAL REPORT

NPDES PERMIT # TN0024155

LOCATION DATA

LOCATION: 509 Delaware Ave.

1st Occurrence at this location? Y N

If No, Date of Last Occurrence:

POINT OF OCCURANCE

Manhole Clean Out In-House Backup Lift Station Name: None or None or None

If Manhole; Give Mini-system # E10 Map Page # C-19 Manhole # Force Main:

FLOW DATA

Start Date: 4/13/2011 Time: 9:45 AM PM End Date: 4/13/2011 Time: 9:48 AM PM

Duration 3 min hours/minutes Est. Flow Rate: 1 gpm Estimated Total Flow: 3 gallons

CAUSES

(Check all that apply)

Rainfall [Estimated amount in] Power Outage Equipment Failure

Broken Sewer Blocked line from Roots Grease Collapse Other

Explain causes of overflow: City crew was jet rodding the sewer main and blew water back into the house through the toilet.

REMEDIAL MEASURES TO CORRECT, PREVENT OR MINIMIZE FUTURE OCCURANCES

Line was: Jet Rodded Nozzle Root Saw Lid Removed Lined Equipment Repair

Line will be: cleaned and TV'd for needed repair: Other:

WHERE DID DISCHARGE GO (Check all that apply)

Did flow run to surface water: Yes No Name of surface water:

Ran on/in: Ground & absorbed into soil Ditch Storm Sewer

Basement Back-up No. of basements Use (i.e., commercial, residential) residential

Other (describe) Water was confined to the bathroom, Called the city's insurance adjuster for inspection and to have it commercially cleaned.

Notified Public: Yes No How: City Web Site The Oak Ridger Signs Posted Date:

Names of Responders: Cody Martin, David Bray, Levi Hawn, Matt Reed, Chris Seiber

Report completed by Rick Strawn Title: Operations & Maint. Manager Date: 4/15/11

Reviewed by _____ Title: _____ Date: _____

Initial TDEC Notification By: Trevor Gallaher Date: 4/13/2011

After Review & Scott Pechon Title: Operations Manager Date: 4-15-11
Notification to TDEC

Final Review [Signature] Title: Public Works Director Date: 4/15/11

Final Report Transmitted to TDEC By: Kathy Stout Date: 4/18/11



LOCATION DATA
LOCATION: 119 Athens Rd. 1st Occurrence at this location? Y N

If No, Date of Last Occurrence: 3/9/2011

POINT OF OCCURANCE

Manhole Clean Out In-House Backup Lift Station Name: None or None or None
If Manhole; Give Mini-system # E-11 Map Page # E-22 Manhole # Old D-1018 New E22-32 Force Main:

FLOW DATA

Start Date: 4/16/2011 Time: 9:03 AM PM End Date: 4/16/2011 Time: 12:04 AM PM
Duration 3 hours 1 minute hours/minutes Est. Flow Rate: 200 gpm Estimated Total Flow: 36,200 gallons

CAUSES

(Check all that apply)

Rainfall [Estimated amount 3.44 in] Power Outage Equipment Failure
Broken Sewer Blocked line from Roots Grease Collapse Other

Explain causes of overflow:

REMEDIAL MEASURES TO CORRECT, PREVENT OR MINIMIZE FUTURE OCCURANCES

Line was: Jet Rodded Nozzle Root Saw Lid Removed Lined Equipment Repair

Line will be: cleaned and TV'd for needed repair: Other: City continues work to correct I&I

WHERE DID DISCHARGE GO (Check all that apply)

Did flow run to surface water: Yes No Name of surface water: Tributary to Melton Lake
Ran on/in: Ground & absorbed into soil Ditch Storm Sewer
Basement Back-up No. of basements Use (i.e., commercial, residential)
Other (describe)

Notified Public: Yes No How: City Web Site The Oak Ridger Signs Posted Date:

Names of Responders: David Patterson, James Hirt

Report completed by Rick Clavin Title: Operations & Maint Manager Date: 4/20/11

Reviewed by _____ Title: _____ Date: _____

Initial TDEC Notification By: David Patterson Date: 4-16-2011

After Review & Scott Jackson Title: Operations Manager Date: 4-20-11
Notification to TDEC

Final Review _____ Title: Public Works Director Date: 4/20/11

Final Report Transmitted to TDEC By: Kathy Stout Date: 4/21/11

FAXED

LOCATION DATA
LOCATION: 108 Baypath Dr. 1st Occurrence at this location? Y N

If No, Date of Last Occurrence: 2/28/2011

POINT OF OCCURANCE

Manhole Clean Out In-House Backup Lift Station Name: None or None or None
If Manhole; Give Mini-system # E5B Map Page # L-22 Manhole # L22-4 Force Main:

FLOW DATA

Start Date: 4/16/2011 Time: 8:28 AM PM End Date: 4/16/2011 Time: 11:38 AM PM
Duration 3 Hours 10minutes hours/minutes Est. Flow Rate: 50 gpm Estimated Total Flow: 9,500 gallons

CAUSES

(Check all that apply)

Rainfall [Estimated amount 3.44 in] Power Outage Equipment Failure
Broken Sewer Blocked line from Roots Grease Collapse Other

Explain causes of overflow:

REMEDIAL MEASURES TO CORRECT, PREVENT OR MINIMIZE FUTURE OCCURANCES

Line was: Jet Rodded Nozzle Root Saw Lid Removed Lined Equipment Repair
Line will be: cleaned and TV'd for needed repair: Other: City continues work to correct I&I

WHERE DID DISCHARGE GO (Check all that apply)

Did flow run to surface water: Yes No Name of surface water: Emory Valley Creek
Ran on/in: Ground & absorbed into soil Ditch Storm Sewer
Basement Back-up No. of basements Use (i.e., commercial, residential)
Other (describe)

Notified Public: Yes No How: City Web Site The Oak Ridger Signs Posted Date:

Names of Responders: David Patterson, James Hirt

Report completed by Rich Lawson Title: Operations & Maint. Manager Date: 4/20/11

Reviewed by _____ Title: _____ Date: _____

Initial TDEC Notification By: David Patterson Date: 4-16-2011

After Review & Scott Jackson Title: Operations Manager Date: 4-20-11
Notification to TDEC

Final Review Scott Jackson Title: Public Works Director Date: 4/20/11

Final Report Transmitted to TDEC By: Kathy Stout Date: 4/21/11



CITY OF OAK RIDGE

REPORT DATE: 4/20/2011

SANITARY SEWER OVERFLOW FINAL REPORT

NPDES PERMIT # TN0024155

LOCATION DATA

LOCATION: 151 Cairo Ln.

1st Occurrence at this location? Y N

If No, Date of Last Occurrence: 3/9/2011

POINT OF OCCURANCE

Manhole Clean Out In-House Backup Lift Station Name: None or None or None

If Manhole; Give Mini-system # E5B Map Page # G-22 Manhole # G22-14 Force Main:

FLOW DATA

Start Date: 4/16/2011 Time: 8:36 AM PM End Date: 4/16/2011 Time: 12:00 AM PM

Duration 3 Hours 24 Minutes hours/minutes Est. Flow Rate: 75 gpm Estimated Total Flow: 15,300 gallons

CAUSES

(Check all that apply)

Rainfall [Estimated amount 3.44 in] Power Outage Equipment Failure

Broken Sewer Blocked line from Roots Grease Collapse Other

Explain causes of overflow:

REMEDIAL MEASURES TO CORRECT, PREVENT OR MINIMIZE FUTURE OCCURANCES

Line was: Jet Rodded Nozzle Root Saw Lid Removed Lined Equipment Repair

Line will be: cleaned and TV'd for needed repair: Other: City continues work to correct I&I

WHERE DID DISCHARGE GO (Check all that apply)

Did flow run to surface water: Yes No Name of surface water: Ernie's Creek

Ran on/in: Ground & absorbed into soil Ditch Storm Sewer

Basement Back-up No. of basements Use (i.e., commercial, residential)

Other (describe)

Notified Public: Yes No How: City Web Site The Oak Ridger Signs Posted Date:

Names of Responders: David Patterson, James Hirt

Report completed by Rick Lewis Title: Operations & Maint. Manager Date: 4/20/11

Reviewed by _____ Title: _____ Date: _____

Initial TDEC Notification By: David Patterson Date: 4-16-2011

After Review & Scott Cochran Title: Operations Manager Date: 4.20.11
Notification to TDEC

Final Review _____ Title: Public Works Director Date: 4/20/11

Final Report Transmitted to TDEC By: Kathy Stout Date: 4/21/11



CITY OF OAK RIDGE

REPORT DATE: 4/20/2011

SANITARY SEWER OVERFLOW FINAL REPORT

NPDES PERMIT # TN0024155

LOCATION DATA

LOCATION: 100 Dresden Rd.

1st Occurrence at this location? Y N

If No, Date of Last Occurrence: 3/6/2011

POINT OF OCCURANCE

Manhole Clean Out In-House Backup Lift Station Name: None or None or None

If Manhole; Give Mini-system # E13A Map Page # F-20 Manhole # F-701A Force Main:

FLOW DATA

Start Date: 4/16/2011 Time: 8:45 AM PM End Date: 4/16/2011 Time: 11:55 AM PM

Duration 3 hours 10 minutes hours/minutes Est. Flow Rate: 25 gpm Estimated Total Flow: 4,750 gallons

CAUSES

(Check all that apply)

Rainfall [Estimated amount 3.44 in] Power Outage Equipment Failure

Broken Sewer Blocked line from Roots Grease Collapse Other

Explain causes of overflow:

REMEDIAL MEASURES TO CORRECT, PREVENT OR MINIMIZE FUTURE OCCURANCES

Line was: Jet Rodded Nozzle Root Saw Lid Removed Lined Equipment Repair

Line will be: cleaned and TV'd for needed repair: Other: City continues work to correct I&I

WHERE DID DISCHARGE GO (Check all that apply)

Did flow run to surface water: Yes No Name of surface water: Tributary to Ernie's Creek

Ran on/in: Ground & absorbed into soil Ditch Storm Sewer

Basement Back-up No. of basements Use (i.e., commercial, residential)

Other (describe)

Notified Public: Yes No How: City Web Site The Oak Ridger Signs Posted Date:

Names of Responders: David Patterson, James Hirt

Report completed by Rick Sturzen Title: Operations & Maint. Manager Date: 4/20/11

Reviewed by _____ Title: _____ Date: _____

Initial TDEC Notification By: David Patterson Date: 4-16-2011

After Review & Scott Johnson Title: Operations Manager Date: 4-20-11
Notification to TDEC

Final Review _____ Title: Public Works Director Date: 4/20/11

Final Report Transmitted to TDEC By: Kathy Stout Date: 4/21/11

FAXED

LOCATION: 216 S. Illinois Ave. LOCATION DATA 1st Occurrence at this location? Y N

If No, Date of Last Occurrence: 04/05/2011

POINT OF OCCURANCE

Manhole Clean Out In-House Backup Lift Station Name: None or None or None

If Manhole; Give Mini-system # W18A Map Page # J11 Manhole # J11-16 Force Main:

FLOW DATA

Start Date: 4/16/2011 Time: 10:18 AM PM End Date: 4/16/2011 Time: 11:30 AM PM

Duration 1 hour 12 minutes hours/minutes Est. Flow Rate: 150 gpm Estimated Total Flow: 10,800 gallons

CAUSES

(Check all that apply)

Rainfall [Estimated amount 3.44 in] Power Outage Equipment Failure

Broken Sewer Blocked line from Roots Grease Collapse Other

Explain causes of overflow:

REMEDIAL MEASURES TO CORRECT, PREVENT OR MINIMIZE FUTURE OCCURANCES

Line was: Jet Rodded Nozzle Root Saw Lid Removed Lined Equipment Repair

Line will be: cleaned and TV'd for needed repair: Other: City continues work to correct I&I

WHERE DID DISCHARGE GO (Check all that apply)

Did flow run to surface water: Yes No Name of surface water: East Fork Poplar Creek

Ran on/in: Ground & absorbed into soil Ditch Storm Sewer

Basement Back-up No. of basements Use (i.e., commercial, residential)

Other (describe)

Notified Public: Yes No How: City Web Site The Oak Ridger Signs Posted Date:

Names of Responders: David Patterson, James Hirt

Report completed by Rich Lewis Title: Operations & Maint. Manager Date: 4/20/11

Reviewed by _____ Title: _____ Date: _____

Initial TDEC Notification By: David Patterson Date: 04-16-2011

After Review & Scott Jackson Title: Operations Manager Date: 4-20-11
Notification to TDEC

Final Review Kathy Stout Title: Public Works Director Date: 4/21/11

Final Report Transmitted to TDEC By: Kathy Stout Date: 4/21/11

CITY OF OAK RIDGE

REPORT DATE: 4/20/2011

SANITARY SEWER OVERFLOW FINAL REPORT

NPDES PERMIT # TN0024155

LOCATION DATA

LOCATION: 695 Melton Lake Dr.

1st Occurrence at this location? Y N

If No, Date of Last Occurrence: 3/10/2011

POINT OF OCCURANCE

Manhole Clean Out In-House Backup Lift Station Name: None or None or None

If Manhole; Give Mini-system # E20 Map Page # L-24 Manhole # L24-1 Force Main:

FLOW DATA

Start Date: 4/16/2011 Time: 7:43 AM PM End Date: 4/16/2011 Time: 3:30 AM PM

Duration 7 Hours 47 Minutes hours/minutes Est. Flow Rate: 250 gpm Estimated Total Flow: 116,750 gallons

CAUSES

(Check all that apply)

Rainfall [Estimated amount 3.44 in] Power Outage Equipment Failure

Broken Sewer Blocked line from Roots Grease Collapse Other

Explain causes of overflow:

REMEDIAL MEASURES TO CORRECT, PREVENT OR MINIMIZE FUTURE OCCURANCES

Line was: Jet Rodded Nozzle Root Saw Lid Removed Lined Equipment Repair

Line will be: cleaned and TV'd for needed repair: Other: City continues work to correct I&I

WHERE DID DISCHARGE GO (Check all that apply)

Did flow run to surface water: Yes No Name of surface water: Melton Hill Lake

Ran on/in: Ground & absorbed into soil Ditch Storm Sewer

Basement Back-up No. of basements Use (i.e., commercial, residential)

Other (describe)

Notified Public: Yes No How City Web Site The Oak Ridger Signs Posted Date:

Names of Responders: David Patterson, James Hirt

Report completed by Rob Courin Title: Operations & Maint. Manager Date: 4/20/11

Reviewed by _____ Title: _____ Date: _____

Initial TDEC Notification By: David Patterson Date: 4-16-2011

After Review & Scott Johnson Title: Operations Manager Date: 4-20-11
Notification to TDEC

Final Review Scott Johnson Title: Public Works Director Date: 4/20/11

Final Report Transmitted to TDEC By: Kathy Stout Date: 4/21/11

FAXED

CITY OF OAK RIDGE

REPORT DATE: 4/20/2011

SANITARY SEWER OVERFLOW FINAL REPORT

NPDES PERMIT # TN0024155

LOCATION DATA

LOCATION: 1289 Oak Ridge Turnpike

1st Occurrence at this location? Y N

If No, Date of Last Occurrence: 2/28/2011

POINT OF OCCURANCE

Manhole Clean Out In-House Backup

Lift Station Name: None or None or None

If Manhole; Give Mini-system # W5

Map Page # G-13

Manhole # ^{New} Old - G-13-12 ^{Old} New-D-22

Force Main: Ad. 5/2/11

FLOW DATA

Start Date: 4/16/2011 Time: 9:44 AM PM

End Date: 4/16/2011 Time: 12:40 AM PM

Duration 2 Hours 56 Minutes hours/minutes Est. Flow Rate: 10 gpm Estimated Total Flow: 1,760 gallons

CAUSES

(Check all that apply)

Rainfall [Estimated amount 3.44 in] Power Outage Equipment Failure

Broken Sewer Blocked line from Roots Grease Collapse Other

Explain causes of overflow:

REMEDIAL MEASURES TO CORRECT, PREVENT OR MINIMIZE FUTURE OCCURANCES

Line was: Jet Rodded Nozzle Root Saw Lid Removed Lined Equipment Repair

Line will be: cleaned and TV'd for needed repair: Other: City continues work to correct I&I

WHERE DID DISCHARGE GO (Check all that apply)

Did flow run to surface water: Yes No

Name of surface water: Tributary to East Fork Poplar Creek

Ran on/in: Ground & absorbed into soil Ditch Storm Sewer

Basement Back-up No. of basements Use (i.e., commercial, residential)

Other (describe)

Notified Public: Yes No How: City Web Site The Oak Ridger Signs Posted Date:

Names of Responders: David Patterson, James Hirt

Report completed by Rick Lewis Title: Operations & Maintenance Manager Date: 4/20/11

Reviewed by _____ Title: _____ Date: _____

Initial TDEC Notification By: David Patterson Date: 04-16-2011

After Review & Notification to TDEC Scott Johnson Title: Operations Manager Date: 4-20-11

Final Review Scott Johnson Title: Public Works Director Date: 4/20/11

Final Report Transmitted to TDEC By: Kathy Stout Date: 4/21/11

FAXED

CITY OF OAK RIDGE

REPORT DATE: 4/20/2011

SANITARY SEWER OVERFLOW FINAL REPORT

NPDES PERMIT # TN0024155

LOCATION DATA

LOCATION: 1403 Oak Ridge Turnpike

1st Occurrence at this location? Y N

If No, Date of Last Occurrence: 3/9/2011

POINT OF OCCURANCE

Manhole Clean Out In-House Backup

Lift Station Name: None or None or None

If Manhole; Give Mini-system # W5

Map Page # G12

Manhole # New G12-1 Old D-4 Force Main:

FLOW DATA

Start Date: 4/16/2011 Time: 9:54 AM PM

End Date: 4/16/2011 Time: 12:20 AM PM

Duration 2 hours 26 minutes hours/minutes Est. Flow Rate: 100 gpm Estimated Total Flow: 14,600 gallons

CAUSES

(Check all that apply)

Rainfall [Estimated amount 3.44 in] Power Outage Equipment Failure

Broken Sewer Blocked line from Roots Grease Collapse Other

Explain causes of overflow:

REMEDIAL MEASURES TO CORRECT, PREVENT OR MINIMIZE FUTURE OCCURANCES

Line was: Jet Rodded Nozzle Root Saw Lid Removed Lined Equipment Repair

Line will be: cleaned and TV'd for needed repair: Other: City continues work to correct I&I

WHERE DID DISCHARGE GO (Check all that apply)

Did flow run to surface water: Yes No

Name of surface water: Tributary to East Fork Poplar Creek

Ran on/in: Ground & absorbed into soil Ditch Storm Sewer

Basement Back-up No. of basements Use (i.e., commercial, residential)

Other (describe)

Notified Public: Yes No How: City Web Site The Oak Ridger Signs Posted Date:

Names of Responders: David Patterson, James Hirt

Report completed by Kel Lawson Title: Operations & Maint. Manager Date: 4/20/11

Reviewed by _____ Title: _____ Date: _____

Initial TDEC Notification By: David Patterson Date: 04-16-2011

After Review & Scott Jackson Title: Operations Manager Date: 4-20-11
Notification to TDEC

Final Review [Signature] Title: Public Works Director Date: 4/20/11

Final Report Transmitted to TDEC By: Kathy Stout Date: 4/21/11

FAXED

CITY OF OAK RIDGE

REPORT DATE: 4/20/2011

SANITARY SEWER OVERFLOW FINAL REPORT

NPDES PERMIT # TN0024155

LOCATION DATA

LOCATION: 1403 Oak Ridge Turnpike

1st Occurrence at this location? Y N

If No, Date of Last Occurrence: 3/9/2011

POINT OF OCCURANCE

Manhole Clean Out In-House Backup Lift Station Name: None or None or None

If Manhole; Give Mini-system # W5 Map Page # G12 Manhole # New G12-2 Old D-5 Force Main:

FLOW DATA

Start Date: 4/16/2011 Time: 9:56 AM PM End Date: 4/16/2011 Time: 12:20 AM PM

Duration 2 Hours 24 minutes hours/minutes Est. Flow Rate: 100 gpm Estimated Total Flow: 14,400 gallons

CAUSES

(Check all that apply)

Rainfall [Estimated amount 3.44 in] Power Outage Equipment Failure

Broken Sewer Blocked line from Roots Grease Collapse Other

Explain causes of overflow:

REMEDIAL MEASURES TO CORRECT, PREVENT OR MINIMIZE FUTURE OCCURANCES

Line was: Jet Rodded Nozzle Root Saw Lid Removed Lined Equipment Repair

Line will be: cleaned and TV'd for needed repair: Other: City continues work to correct I&I

WHERE DID DISCHARGE GO (Check all that apply)

Did flow run to surface water: Yes No Name of surface water: Tributary to East Fork Poplar Creek

Ran on/in: Ground & absorbed into soil Ditch Storm Sewer

Basement Back-up No. of basements Use (i.e., commercial, residential)

Other (describe)

Notified Public: Yes No How: City Web Site The Oak Ridger Signs Posted Date:

Names of Responders: David Patterson, James Hirt

Report completed by Kathy Stout Title: Operations & Maintenance Manager Date: 4/20/11

Reviewed by _____ Title: _____ Date: _____

Initial TDEC Notification By: David Patterson Date: 04-16-2011

After Review & Scott Anderson Title: Operations Manager Date: 4/20/11
Notification to TDEC

Final Review Scott Anderson Title: Public Works Director Date: 4/20/11

Final Report Transmitted to TDEC By: Kathy Stout Date: 4/21/11



CITY OF OAK RIDGE

REPORT DATE: 4/20/2011

SANITARY SEWER OVERFLOW FINAL REPORT

NPDES PERMIT # TN0024155

LOCATION DATA

LOCATION: 1403 Oak Ridge Turnpike

1st Occurrence at this location? Y N

If No, Date of Last Occurrence: 3/9/2011

POINT OF OCCURANCE

Manhole Clean Out In-House Backup Lift Station Name: None or None or None

If Manhole; Give Mini-system # W5 Map Page # G11 Manhole # New G11-8 Old D-3 Force Main:

FLOW DATA

Start Date: 4/16/2011 Time: 09:48 AM PM End Date: 4/16/2011 Time: 12:20 AM PM

Duration 2 hours 32 minutes hours/minutes Est. Flow Rate: 200 gpm Estimated Total Flow: 30,400 gallons

CAUSES

(Check all that apply)

Rainfall [Estimated amount 3.44 in] Power Outage Equipment Failure

Broken Sewer Blocked line from Roots Grease Collapse Other

Explain causes of overflow:

REMEDIAL MEASURES TO CORRECT, PREVENT OR MINIMIZE FUTURE OCCURANCES

Line was: Jet Rodded Nozzle Root Saw Lid Removed Lined Equipment Repair

Line will be: cleaned and TV'd for needed repair: Other: City continues work to correct I&I

WHERE DID DISCHARGE GO (Check all that apply)

Did flow run to surface water: Yes No Name of surface water: Tributary to East Fork Poplar Creek

Ran on/in: Ground & absorbed into soil Ditch Storm Sewer

Basement Back-up No. of basements Use (i.e., commercial, residential)

Other (describe)

Notified Public: Yes No How: City Web Site The Oak Ridger Signs Posted Date:

Names of Responders: David Patterson, James Hirt

Report completed by Rick Brown Title: Operations & Maint. Manager Date: 4/20/11

Reviewed by _____ Title: _____ Date: _____

Initial TDEC Notification By: David Patterson Date: 04-16-2011

After Review & David Patterson Title: Operations Manager Date: 4-20-11
Notification to TDEC

Final Review Michael... Title: Public Works Director Date: 4/24/11

Final Report Transmitted to TDEC By: Kathy Stout Date: 4/26/11

FAKED
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CITY OF OAK RIDGE

REPORT DATE: 4/20/2011

SANITARY SEWER OVERFLOW FINAL REPORT

NPDES PERMIT # TN0024155

LOCATION DATA

LOCATION: 470 Oak Ridge Turnpike

1st Occurrence at this location? Y N

If No, Date of Last Occurrence: 3/9/2011

POINT OF OCCURANCE

Manhole Clean Out In-House Backup Lift Station Name: None or None or None

If Manhole; Give Mini-system # E10 Map Page # F-20 Manhole # Old-E814 New-F20-25 Force Main:

FLOW DATA

Start Date: 4/16/2011 Time: 9:14 AM PM End Date: 4/16/2011 Time: 11:30 AM PM

Duration 2 hours 16 minutes hours/minutes Est. Flow Rate: 50 gpm Estimated Total Flow: 6,800 gallons

CAUSES

(Check all that apply)

Rainfall [Estimated amount 3.44 in] Power Outage Equipment Failure

Broken Sewer Blocked line from Roots Grease Collapse Other

Explain causes of overflow:

REMEDIAL MEASURES TO CORRECT, PREVENT OR MINIMIZE FUTURE OCCURANCES

Line was: Jet Rodded Nozzle Root Saw Lid Removed Lined Equipment Repair

Line will be: cleaned and TV'd for needed repair: Other: City continues work to correct I&I

WHERE DID DISCHARGE GO (Check all that apply)

Did flow run to surface water: Yes No Name of surface water: Tributary to Ernie's Creek

Ran on/in: Ground & absorbed into soil Ditch Storm Sewer

Basement Back-up No. of basements Use (i.e., commercial, residential)

Other (describe)

Notified Public: Yes No How: City Web Site The Oak Ridger Signs Posted Date:

Names of Responders: David Patterson, James Hirt

Report completed by Rick Lewin Title: Operations & Maint. Manager Date: 4/20/11

Reviewed by _____ Title: _____ Date: _____

Initial TDEC Notification By: David Patterson Date: 4-16-2011

After Review & Scott Jackson Title: Operations Manager Date: 4-20-11
Notification to TDEC

Final Review [Signature] Title: Public Works Director Date: 4/20/11

Final Report Transmitted to TDEC By: Kathy Stout Date: 4/21/11



LOCATION: 535 Oak Ridge Turnpike
LOCATION DATA
1st Occurrence at this location? Y N

If No, Date of Last Occurrence: 3/9/2011

POINT OF OCCURANCE
Manhole Clean Out In-House Backup Lift Station Name: None or None or None
If Manhole; Give Mini-system # E13A Map Page # G-20 Manhole # F-702 Force Main:

FLOW DATA
Start Date: 4/16/2011 Time: 8:53 AM PM End Date: 4/16/2011 Time: 11:57 AM PM
Duration 3 hours 4 minutes hours/minutes Est. Flow Rate: 200 gpm Estimated Total Flow: 36,800 gallons

CAUSES
(Check all that apply)
Rainfall [Estimated amount 3.44 in] Power Outage Equipment Failure
Broken Sewer Blocked line from Roots Grease Collapse Other

Explain causes of overflow:

REMEDIAL MEASURES TO CORRECT, PREVENT OR MINIMIZE FUTURE OCCURANCES

Line was: Jet Rodded Nozzle Root Saw Lid Removed Lined Equipment Repair
Line will be: cleaned and TV'd for needed repair: Other: City continues work to correct I&I

WHERE DID DISCHARGE GO (Check all that apply)

Did flow run to surface water: Yes No Name of surface water: Emries Creek
Ran on/in: Ground & absorbed into soil Ditch Storm Sewer
Basement Back-up No. of basements Use (i.e., commercial, residential)

Other (describe)
Notified Public: Yes No How: City Web Site The Oak Ridger Signs Posted Date:

Names of Responders: David Patterson, James Hirt
Report completed by Rick Swan Title: Operations & Maint. Manager Date: 4/20/11

Reviewed by _____ Title: _____ Date: _____

Initial TDEC Notification By: David Patterson Date: 4-16-2011⁸⁵

After Review & Scott Johnson Title: Operations Manager Date: 4.20.11
Notification to TDEC

Final Review - Jim Corder Title: Public Works Director Date: 4/20/11

Final Report Transmitted to TDEC By: Kathy Stout Date: 4/21/11



CITY OF OAK RIDGE

REPORT DATE: 4/20/2011

SANITARY SEWER OVERFLOW FINAL REPORT

NPDES PERMIT # TN0024155

LOCATION DATA

LOCATION: 117 N. Purdue Ave. 1st Occurrence at this location? Y N

If No, Date of Last Occurrence: 4/5/2011

POINT OF OCCURANCE

Manhole Clean Out In-House Backup Lift Station Name: None or None or None

If Manhole; Give Mini-system # W5A Map Page # G15 Manhole # G15-13 Force Main:

FLOW DATA

Start Date: 4/16/2011 Time: 9:40 AM PM End Date: 4/16/2011 Time: 3:15 AM PM

Duration 5 Hours 35 Minutes hours/minutes Est. Flow Rate: 400 gpm Estimated Total Flow: 134,000 gallons

CAUSES

(Check all that apply)

Rainfall [Estimated amount 3.44 in] Power Outage Equipment Failure

Broken Sewer Blocked line from Roots Grease Collapse Other

Explain causes of overflow:

REMEDIAL MEASURES TO CORRECT, PREVENT OR MINIMIZE FUTURE OCCURANCES

Line was: Jet Rodded Nozzle Root Saw Lid Removed Lined Equipment Repair

Line will be: cleaned and TV'd for needed repair: Other: City continues work to correct I&I

WHERE DID DISCHARGE GO (Check all that apply)

Did flow run to surface water: Yes No Name of surface water: Tributary to East Fork Poplar Creek

Ran on/in: Ground & absorbed into soil Ditch Storm Sewer

Basement Back-up No. of basements Use (i.e., commercial, residential)

Other (describe)

Notified Public: Yes No How: City Web Site The Oak Ridger Signs Posted Date:

Names of Responders: David Patterson, James Hirt

Report completed by Kick Lewis Title: Operations & Maint. Manager Date: 4/20/11

Reviewed by _____ Title: _____ Date: _____

Initial TDEC Notification By: David Patterson Date: 04-16-2011

After Review & Kath Buchanan Title: Operations Manager Date: 4-20-11
Notification to TDEC

Final Review Kathy Stout Title: Public Works Director Date: 4/20/11

Final Report Transmitted to TDEC By: Kathy Stout Date: 4/21/11

FAXED

CITY OF OAK RIDGE

REPORT DATE: 4/20/2011

SANITARY SEWER OVERFLOW FINAL REPORT

NPDES PERMIT # TN0024155

LOCATION DATA

LOCATION: 191 Tusculum Dr.

1st Occurrence at this location? Y N

If No, Date of Last Occurrence: 4/5/2011

POINT OF OCCURANCE

Manhole Clean Out In-House Backup Lift Station Name: None or None or None

If Manhole; Give Mini-system # W19 Map Page # H11 Manhole # H11-4 Force Main:

FLOW DATA

Start Date: 4/16/2011 Time: 10:21 AM PM End Date: 4/16/2011 Time: 11:21 AM PM

Duration 60minutes hours/minutes Est. Flow Rate: 50 gpm Estimated Total Flow: 3,000 gallons

CAUSES

(Check all that apply)

Rainfall [Estimated amount 3.44 in] Power Outage Equipment Failure

Broken Sewer Blocked line from Roots Grease Collapse Other

Explain causes of overflow:

REMEDIAL MEASURES TO CORRECT, PREVENT OR MINIMIZE FUTURE OCCURANCES

Line was: Jet Rodded Nozzle Root Saw Lid Removed Lined Equipment Repair

Line will be: cleaned and TV'd for needed repair: Other: City continues work to correct I&I

WHERE DID DISCHARGE GO (Check all that apply)

Did flow run to surface water: Yes No Name of surface water: East Fork Poplar Creek

Ran on/in: Ground & absorbed into soil Ditch Storm Sewer

Basement Back-up No. of basements Use (i.e., commercial, residential)

Other (describe)

Notified Public: Yes No How: City Web Site The Oak Ridger Signs Posted Date:

Names of Responders: David Patterson, James Hirt

Report completed by Rick Laurin Title: Operations & Maint. Manager Date: 4/20/11

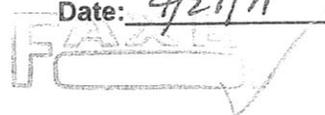
Reviewed by _____ Title: _____ Date: _____

Initial TDEC Notification By: David Patterson Date: 04-16-2011

After Review & Scott Jackson Title: Operations Manager Date: 4-20-11
Notification to TDEC

Final Review [Signature] Title: Public Works Director Date: 4/20/11

Final Report Transmitted to TDEC By: Kathy Stout Date: 4/21/11



CITY OF OAK RIDGE

REPORT DATE: 4/28/2011

SANITARY SEWER OVERFLOW FINAL REPORT

NPDES PERMIT # TN0024155

LOCATION DATA

LOCATION: Athens @ Arrowwood

1st Occurrence at this location? Y N

If No, Date of Last Occurrence: 2/28/2011

POINT OF OCCURANCE

Manhole Clean Out In-House Backup Lift Station Name: None or None or None

If Manhole; Give Mini-system # E11 Map Page # E-23 Manhole # New-E23-49 Old- D1010 Force Main:

FLOW DATA

Start Date: 4/28/2011 Time: ? AM PM End Date: 4/28/2011 Time: ? AM PM

Duration ? hours/minutes Est. Flow Rate: ? gpm Estimated Total Flow: 4,000 gallons

CAUSES

(Check all that apply)

Rainfall [Estimated amount 2.95 in] Power Outage Equipment Failure

Broken Sewer Blocked line from Roots Grease Collapse Other

Explain causes of overflow: Evidence of overflow found @ 12:51 pm.

REMEDIAL MEASURES TO CORRECT, PREVENT OR MINIMIZE FUTURE OCCURANCES

Line was: Jet Rodded Nozzle Root Saw Lid Removed Lined Equipment Repair

Line will be: cleaned and TV'd for needed repair: Other: City continues work to correct I&I

WHERE DID DISCHARGE GO (Check all that apply)

Did flow run to surface water: Yes No Name of surface water: Tributary to Melton Hill Lake

Ran on/in: Ground & absorbed into soil Ditch Storm Sewer

Basement Back-up No. of basements Use (i.e., commercial, residential)

Other (describe)

Notified Public: Yes No How: City Web Site The Oak Ridger Signs Posted Date:

Names of Responders: David Patterson, James Hirt

Report completed by David Patterson Title: Utility Specialist Date: 5-3-11

Reviewed by Rick Chavin Title: Operations & Maint. Manager Date: 5/3/11

Initial TDEC Notification By: David Patterson Date: 4/28/2011

After Review & Scott Johnson Title: Operations Manager Date: 5/4/11
Notification to TDEC

Final Review Kathy Stout Title: Public Works Director Date: 5/4/11

Final Report Transmitted to TDEC By: Kathy Stout Date: 5/4/11



CITY OF OAK RIDGE

REPORT DATE: 4/28/2011

SANITARY SEWER OVERFLOW FINAL REPORT

NPDES PERMIT # TN0024155

LOCATION DATA

LOCATION: 119 Athens Rd

1st Occurrence at this location? Y N

If No, Date of Last Occurrence: 4/16/2011

POINT OF OCCURANCE

Manhole Clean Out In-House Backup Lift Station Name: None or None or None

If Manhole; Give Mini-system # E-11 Map Page # E-22 Manhole # Old-D1018 New-E22-32 Force Main:

FLOW DATA

Start Date: 4/28/2011 Time: ? AM PM End Date: 4/28/2011 Time: ? AM PM

Duration ? hours/minutes Est. Flow Rate: ? gpm Estimated Total Flow: 17,000 gallons

CAUSES

(Check all that apply)

Rainfall [Estimated amount 2.95 in] Power Outage Equipment Failure

Broken Sewer Blocked line from Roots Grease Collapse Other

Explain causes of overflow: Evidence of overflow found at 12:54 pm.

REMEDIAL MEASURES TO CORRECT, PREVENT OR MINIMIZE FUTURE OCCURANCES

Line was: Jet Rodded Nozzle Root Saw Lid Removed Lined Equipment Repair

Line will be: cleaned and TV'd for needed repair: Other: City continues work to correct I&I

WHERE DID DISCHARGE GO (Check all that apply)

Did flow run to surface water: Yes No Name of surface water: Tributary to Melton Hill Lake

Ran on/in: Ground & absorbed into soil Ditch Storm Sewer

Basement Back-up No. of basements Use (i.e., commercial, residential)

Other (describe)

Notified Public: Yes No How: City Web Site The Oak Ridger Signs Posted Date:

Names of Responders: David Patterson, James Hirt

Report completed by David Patterson Title: Utility Specialist Date: 5-3-11

Reviewed by Kirk Clavin Title: Operations & Maint. Manager Date: 5/3/11

Initial TDEC Notification By: David Patterson Date: 4/28/2011

After Review & Scott Jackson Title: Operations Manager Date: 5-4-11
Notification to TDEC

Final Review Scott Jackson Title: Public Works Director Date: 5/4/11

Final Report Transmitted to TDEC By: Kathy Stout Date: 5/8/11

FILED

CITY OF OAK RIDGE

REPORT DATE: 4/28/2011

SANITARY SEWER OVERFLOW FINAL REPORT

NPDES PERMIT # TN0024155

LOCATION DATA

LOCATION: 108 Bay Path Dr.

1st Occurrence at this location? Y N

If No, Date of Last Occurrence: 4/16/2011

POINT OF OCCURANCE

Manhole Clean Out In-House Backup Lift Station Name: None or None or None

If Manhole; Give Mini-system # E5B Map Page # L-22 Manhole # L22-4 Force Main:

FLOW DATA

Start Date: 4/28/2011 Time: ? AM PM End Date: 4/28/2011 Time: ? AM PM

Duration ? hours/minutes Est. Flow Rate: ? gpm Estimated Total Flow: 8,000 gallons

CAUSES

(Check all that apply)

Rainfall [Estimated amount 2.95 in] Power Outage Equipment Failure

Broken Sewer Blocked line from Roots Grease Collapse Other

Explain causes of overflow: Evidence of overflow found at 8:33 am.

REMEDIAL MEASURES TO CORRECT, PREVENT OR MINIMIZE FUTURE OCCURANCES

Line was: Jet Rodded Nozzle Root Saw Lid Removed Limed Equipment Repair

Line will be: cleaned and TV'd for needed repair: Other: City continues work to correct I&I

WHERE DID DISCHARGE GO (Check all that apply)

Did flow run to surface water: Yes No Name of surface water: Emory Valley Creek

Ran on/in: Ground & absorbed into soil Ditch Storm Sewer

Basement Back-up No. of basements Use (i.e., commercial, residential)

Other (describe)

Notified Public: Yes No How: City Web Site The Oak Ridger Signs Posted Date:

Names of Responders: David Patterson, James Hirt

Report completed by David Patterson Title: Utility Specialist Date: 5-3-11

Reviewed by Rich Lawton Title: Operations & Maint. Manager Date: 5/3/11

Initial TDEC Notification By: DAVID PATTERSON Date: 4/28/2011

After Review & Notification to TDEC Scott Jackson Title: Operations Manager Date: 5/4/11

Final Review [Signature] Title: Public Works Director Date: 5/4/11

Final Report Transmitted to TDEC By: Kathy Stout Date: 5/4/11



CITY OF OAK RIDGE

REPORT DATE: 4/28/2011

SANITARY SEWER OVERFLOW FINAL REPORT

NPDES PERMIT # TN0024155

LOCATION DATA

LOCATION: 281 Broadway Ave.

1st Occurrence at this location? Y N

If No, Date of Last Occurrence:

POINT OF OCCURANCE

Manhole Clean Out In-House Backup Lift Station Name: None or None or None

If Manhole; Give Mini-system # E3 Map Page # E-17 Manhole # E17-32 Force Main:

FLOW DATA

Start Date: 4/28/2011 Time: 9:55 AM PM End Date: 4/28/2011 Time: 10:30 AM PM

Duration 35 Min. hours/minutes Est. Flow Rate: 50 gpm Estimated Total Flow: 1,750 gallons

CAUSES

(Check all that apply)

Rainfall [Estimated amount 2.95 in] Power Outage Equipment Failure

Broken Sewer Blocked line from Roots Grease Collapse Other

Explain causes of overflow: Towels & roots in line

REMEDIAL MEASURES TO CORRECT, PREVENT OR MINIMIZE FUTURE OCCURANCES

Line was: Jet Rodded Nozzle Root Saw Lid Removed Lined Equipment Repair

Line will be: cleaned and TV'd for needed repair: Other:

WHERE DID DISCHARGE GO (Check all that apply)

Did flow run to surface water: Yes No Name of surface water: Ernies Creek

Ran on/in: Ground & absorbed into soil Ditch Storm Sewer

Basement Back-up No. of basements 1 Use (i.e., commercial, residential) Commercial

Other (describe) Basement of 239 Jackson Square flooded due to line blocked. Made aware of this at 1:00pm.

Notified Public: Yes No How: City Web Site The Oak Ridger Signs Posted Date:

Names of Responders: David Patterson, James Hirt, Mark Maples, Pat Mrochek

Report completed by David Patterson Title: Utilities Specialist Date: 5-3-11

Reviewed by Kirk Clavin Title: Operations & Maint. Manager Date: 5/3/11

Initial TDEC Notification By: David Patterson Date: 4/28/2011

After Review & Scott Jackson Title: Operations Manager Date: 5-4-11
Notification to TDEC

Final Review W. C. Corder Title: Public Works Director Date: 5/4/11

Final Report Transmitted to TDEC By: Kathy Stout Date: 5/4/11



LOCATION DATA
LOCATION: 151 Cairo Ln. 1st Occurrence at this location? Y N

If No, Date of Last Occurrence: 4/16/2011

POINT OF OCCURANCE
Manhole Clean Out In-House Backup Lift Station Name: None or None or None
If Manhole; Give Mini-system # E5B Map Page # G-22 Manhole # G22-14 Force Main:

FLOW DATA
Start Date: 4/28/2011 Time: ? AM PM End Date: 4/28/2011 Time: ? AM PM
Duration ? hours/minutes Est. Flow Rate: ? gpm Estimated Total Flow: 13,000 gallons

CAUSES
(Check all that apply)
Rainfall [Estimated amount 2.95 in] Power Outage Equipment Failure
Broken Sewer Blocked line from Roots Grease Collapse Other
Explain causes of overflow: Evidence of overflow found at 10:51 am.

REMEDIAL MEASURES TO CORRECT, PREVENT OR MINIMIZE FUTURE OCCURANCES
Line was: Jet Rodded Nozzle Root Saw Lid Removed Lined Equipment Repair

Line will be: cleaned and TV'd for needed repair: Other: City continues work to correct I&I

WHERE DID DISCHARGE GO (Check all that apply)
Did flow run to surface water: Yes No Name of surface water: Ernies Creek
Ran on/in: Ground & absorbed into soil Ditch Storm Sewer
Basement Back-up No. of basements Use (i.e., commercial, residential)
Other (describe)

Notified Public: Yes No How: City Web Site The Oak Ridger Signs Posted Date:

Names of Responders: David Patterson, James Hirt

Report completed by David Patterson Title: Utility Specialist Date: 5-3-11

Reviewed by Kathy Stout Title: Operations & Maint. Manager Date: 5/3/11

Initial TDEC Notification By: David Patterson Date: 4/28/2011

After Review & Kathy Stout Title: Operations Manager Date: 5/4/11
Notification to TDEC

Final Review James Hirt Title: Public Works Director Date: 5/4/11

Final Report Transmitted to TDEC By: Kathy Stout Date: 5/4/11



CITY OF OAK RIDGE

REPORT DATE: 4/28/2011

SANITARY SEWER OVERFLOW FINAL REPORT

NPDES PERMIT # TN0024155

LOCATION DATA

LOCATION: 100 Dresden Rd..

1st Occurrence at this location? Y N

If No, Date of Last Occurrence: 4/16/2011

POINT OF OCCURANCE

Manhole Clean Out In-House Backup Lift Station Name: None or None or None

If Manhole; Give Mini-system # E13A Map Page # F-20 Manhole # F-701A Force Main:

FLOW DATA

Start Date: 4/28/2011 Time: ? AM PM End Date: 4/28/2011 Time: ? AM PM

Duration ? hours/minutes Est. Flow Rate: ? gpm Estimated Total Flow: 3,000 gallons

CAUSES

(Check all that apply)

Rainfall [Estimated amount 2.95 in] Power Outage Equipment Failure

Broken Sewer Blocked line from Roots Grease Collapse Other

Explain causes of overflow: Evidence of overflow found at 10:59 am.

REMEDIAL MEASURES TO CORRECT, PREVENT OR MINIMIZE FUTURE OCCURANCES

Line was: Jet Rodded Nozzle Root Saw Lid Removed Lined Equipment Repair

Line will be: cleaned and TV'd for needed repair: Other: City continues work to correct I&I

WHERE DID DISCHARGE GO (Check all that apply)

Did flow run to surface water: Yes No Name of surface water: Tributary To Ernies Creek

Ran on/in: Ground & absorbed into soil Ditch Storm Sewer

Basement Back-up No. of basements Use (i.e., commercial, residential)

Other (describe)

Notified Public: Yes No How: City Web Site The Oak Ridger Signs Posted Date:

Names of Responders: David Patterson, James Hirt

Report completed by David Patterson Title: Utilities Specialist Date: 5-3-11

Reviewed by Kath Stout Title: Operations & Maint. Manager Date: 5/3/11

Initial TDEC Notification By: David Patterson Date: 4/28/2011

After Review & Scott Jackson Title: Operations Manager Date: 5.9.11
Notification to TDEC

Final Review Scott Jackson Title: Public Works Director Date: 5/4/11

Final Report Transmitted to TDEC By: Kathy Stout Date: 5/4/11



CITY OF OAK RIDGE

REPORT DATE: 4/28/2011

SANITARY SEWER OVERFLOW FINAL REPORT

NPDES PERMIT # TN0024155

LOCATION DATA

LOCATION: 216 S. Illinois Ave.

1st Occurrence at this location? Y N

If No, Date of Last Occurrence: 4/16/2011

POINT OF OCCURANCE

Manhole Clean Out In-House Backup Lift Station Name: None or None or None

If Manhole; Give Mini-system # W18A Map Page # J11 Manhole # J11-16 Force Main:

FLOW DATA

Start Date: 4/28/2011 Time: ? AM PM End Date: 4/28/2011 Time: ? AM PM

Duration ? hours/minutes Est. Flow Rate: ? gpm Estimated Total Flow: 18,000 gallons

CAUSES

(Check all that apply)

Rainfall [Estimated amount 2.95 in] Power Outage Equipment Failure

Broken Sewer Blocked line from Roots Grease Collapse Other

Explain causes of overflow: Evidence of overflow found at 2:41 pm.

REMEDIAL MEASURES TO CORRECT, PREVENT OR MINIMIZE FUTURE OCCURANCES

Line was: Jet Rodded Nozzle Root Saw Lid Removed Lined Equipment Repair

Line will be: cleaned and TV'd for needed repair: Other: City continues work to correct I&I

WHERE DID DISCHARGE GO (Check all that apply)

Did flow run to surface water: Yes No Name of surface water: East Fork Poplar Creek

Ran on/in: Ground & absorbed into soil Ditch Storm Sewer

Basement Back-up No. of basements Use (i.e., commercial, residential)

Other (describe)

Notified Public: Yes No How: City Web Site The Oak Ridger Signs Posted Date:

Names of Responders: David Patterson, James Hirt

Report completed by David Patterson Title: Utility Specialist Date: 5-3-11

Reviewed by Rich Lawrie Title: Operations & Maint. Manager Date: 5/3/11

Initial TDEC Notification By: DAvid Patterson Date: 4/28/2011

After Review & Scott Schwan Title: Operations Manager Date: 5-4-11
Notification to TDEC

Final Review Scott Schwan Title: Public Works Director Date: 5/4/11

Final Report Transmitted to TDEC By: Jacky Stout Date: 5/6/11

FAXED

CITY OF OAK RIDGE

REPORT DATE: 4/28/2011

SANITARY SEWER OVERFLOW FINAL REPORT

NPDES PERMIT # TN0024155

LOCATION DATA

LOCATION: Iroquios @ Robertsville

1st Occurrence at this location? Y N

If No, Date of Last Occurrence: 4/5/2011

POINT OF OCCURANCE

Manhole Clean Out In-House Backup Lift Station Name: None or None or None

If Manhole; Give Mini-system # W11 Map Page # E10 Manhole # Old-2-82 New-AP5 Force Main:

FLOW DATA

Start Date: 4/28/2011 Time: ? AM PM End Date: 4/28/2011 Time: ? AM PM

Duration ? hours/minutes Est. Flow Rate: ? gpm Estimated Total Flow: 12,500 gallons

CAUSES

(Check all that apply)

Rainfall [Estimated amount 2.95 in] Power Outage Equipment Failure

Broken Sewer Blocked line from Roots Grease Collapse Other

Explain causes of overflow: Evidence of overflow found at 9:06 am.

REMEDIAL MEASURES TO CORRECT, PREVENT OR MINIMIZE FUTURE OCCURANCES

Line was: Jet Rodded Nozzle Root Saw Lid Removed Lined Equipment Repair

Line will be: cleaned and TV'd for needed repair: Other: City continues work to correct I&I

WHERE DID DISCHARGE GO (Check all that apply)

Did flow run to surface water: Yes No Name of surface water: Tributary to East Fork Poplar Creek

Ran on/in: Ground & absorbed into soil Ditch Storm Sewer

Basement Back-up No. of basements Use (i.e., commercial, residential)

Other (describe)

Notified Public: Yes No How: City Web Site The Oak Ridger Signs Posted Date:

Names of Responders: David Patterson James Hirt

Report completed by David Patterson Title: Utility Specialist Date: 5-3-11

Reviewed by Rick Laurin Title: Operations & Maint. Manager Date: 5/3/11

Initial TDEC Notification By: DAvid Patterson Date: 4/28/2011

After Review & Scott Robinson Title: Operations Manager Date: 5-4-11
Notification to TDEC

Final Review [Signature] Title: Public Works Director Date: 5/4/11

Final Report Transmitted to TDEC By: Kathy Stout Date: 5/4/11

FAXED

CITY OF OAK RIDGE

REPORT DATE: 4/28/2011

SANITARY SEWER OVERFLOW FINAL REPORT

NPDES PERMIT # TN0024155

LOCATION DATA

LOCATION: 695 Melton Lake Dr.

1st Occurrence at this location? Y N

If No, Date of Last Occurrence: 4/16/2011

POINT OF OCCURANCE

Manhole Clean Out In-House Backup Lift Station Name: None or None or None

If Manhole; Give Mini-system # E-20 Map Page # L-24 Manhole # L24-1 Force Main:

FLOW DATA

Start Date: 4/28/2011 Time: ? AM PM End Date: 4/28/2011 Time: ? AM PM

Duration ? hours/minutes Est. Flow Rate: ? gpm Estimated Total Flow: 40,000 gallons

CAUSES

(Check all that apply)

Rainfall [Estimated amount 2.95 in] Power Outage Equipment Failure

Broken Sewer Blocked line from Roots Grease Collapse Other

Explain causes of overflow: Evidence of overflow found at 8:26 am.

REMEDIAL MEASURES TO CORRECT, PREVENT OR MINIMIZE FUTURE OCCURANCES

Line was: Jet Rodded Nozzle Root Saw Lid Removed Lined Equipment Repair

Line will be: cleaned and TV'd for needed repair: Other: City continues work to correct I&I

WHERE DID DISCHARGE GO (Check all that apply)

Did flow run to surface water: Yes No Name of surface water: Melton Hill Lake

Ran on/in: Ground & absorbed into soil Ditch Storm Sewer

Basement Back-up No. of basements Use (i.e., commercial, residential)

Other (describe)

Notified Public: Yes No How: City Web Site The Oak Ridger Signs Posted Date:

Names of Responders: David Patterson, James Hirt

Report completed by David Patterson Title: Utility Specialist Date: 5-3-11

Reviewed by Kick Lawin Title: Operations & Maint. Manager Date: 5/3/11

Initial TDEC Notification By: DAVID PATTERSON Date: 4/28/2011

After Review & Scott Robinson Title: Operations Manager Date: 5/4/11
Notification to TDEC

Final Review By Cindy Title: Public Works Director Date: 5/4/11

Final Report Transmitted to TDEC By: Kathy Stout Date: 5/4/11

FAXED

CITY OF OAK RIDGE

REPORT DATE: 4/28/2011

SANITARY SEWER OVERFLOW FINAL REPORT

NPDES PERMIT # TN0024155

LOCATION DATA

LOCATION: 1289 Oak Ridge Turnpike

1st Occurrence at this location? Y N

If No, Date of Last Occurrence: 4/16/2011

POINT OF OCCURANCE

Manhole Clean Out In-House Backup Lift Station Name: None or None or None

If Manhole; Give Mini-system # W5 Map Page # G-13 Manhole # New-G13-12 Old-D-22 Force Main:

FLOW DATA

Start Date: 4/28/2011 Time: ? AM PM End Date: 4/28/2011 Time: ? AM PM

Duration ? hours/minutes Est. Flow Rate: ? gpm Estimated Total Flow: 4,000 gallons

CAUSES

(Check all that apply)

Rainfall [Estimated amount 2.95 in] Power Outage Equipment Failure

Broken Sewer Blocked line from Roots Grease Collapse Other

Explain causes of overflow: Evidence of overflow found at 2:01 pm.

REMEDIAL MEASURES TO CORRECT, PREVENT OR MINIMIZE FUTURE OCCURANCES

Line was: Jet Rodded Nozzle Root Saw Lid Removed Limed Equipment Repair

Line will be: cleaned and TV'd for needed repair: Other: City continues work to correct I&I

WHERE DID DISCHARGE GO (Check all that apply)

Did flow run to surface water: Yes No Name of surface water: Tributary to East Fork Poplar Creek

Ran on/in: Ground & absorbed into soil Ditch Storm Sewer

Basement Back-up No. of basements Use (i.e., commercial, residential)

Other (describe)

Notified Public: Yes No How: City Web Site The Oak Ridger Signs Posted Date:

Names of Responders: David Patterson, James Hirt

Report completed by David Patterson Title: Utility Specialist Date: 5-3-11

Reviewed by Rick Luvini Title: Operations & Maint. Manager Date: 5/3/11

Initial TDEC Notification By: David Patterson Date: 4/28/2011

After Review & Notification to TDEC Keith Jackson Title: Operations Manager Date: 5-9-11

Final Review Myra Corder Title: Public Works Director Date: 5/4/11

Final Report Transmitted to TDEC By: Kathy Stout Date: 5/4/11

FAXED

CITY OF OAK RIDGE

REPORT DATE: 4/28/2011

SANITARY SEWER OVERFLOW FINAL REPORT

NPDES PERMIT # TN0024155

LOCATION DATA

LOCATION: 1403 Oak Ridge Turnpike

1st Occurrence at this location? Y N

If No, Date of Last Occurrence: 4/16/2011

POINT OF OCCURANCE

Manhole Clean Out In-House Backup Lift Station Name: None or None or None

If Manhole; Give Mini-system # W5 Map Page # G-12 Manhole # New-G12-2Old -D5 Force Main:

FLOW DATA

Start Date: 4/28/2011 Time: ? AM PM End Date: 4/28/2011 Time: ? AM PM

Duration ? hours/minutes Est. Flow Rate: ? gpm Estimated Total Flow: 17,000 gallons

CAUSES

(Check all that apply)

Rainfall [Estimated amount 2.95 in] Power Outage Equipment Failure

Broken Sewer Blocked line from Roots Grease Collapse Other

Explain causes of overflow: Evidence of overflow found at 2:15 pm.

REMEDIAL MEASURES TO CORRECT, PREVENT OR MINIMIZE FUTURE OCCURANCES

Line was: Jet Rodded Nozzle Root Saw Lid Removed Lined Equipment Repair

Line will be: cleaned and TV'd for needed repair: Other: City continues work to correct I&I

WHERE DID DISCHARGE GO (Check all that apply)

Did flow run to surface water: Yes No Name of surface water: Tributary to East Fork Poplar Creek

Ran on/in: Ground & absorbed into soil Ditch Storm Sewer

Basement Back-up No. of basements Use (i.e., commercial, residential)

Other (describe)

Notified Public: Yes No How: City Web Site The Oak Ridger Signs Posted Date:

Names of Responders: David Patterson, James Hirt

Report completed by David Patterson Title: Utilities Specialist Date: 5-3-11

Reviewed by Kirk Brown Title: Operations & Maint. Manager Date: 5/3/11

Initial TDEC Notification By: David Patterson Date: 4/28/2011

After Review & Notification to TDEC Scott Johnson Title: Operations Manager Date: 5-4-11

Final Review [Signature] Title: Public Works Director Date: 5/4/11

Final Report Transmitted to TDEC By: Kathy Stout Date: 5/4/11

FAXED

CITY OF OAK RIDGE

REPORT DATE: 4/28/2011

SANITARY SEWER OVERFLOW FINAL REPORT

NPDES PERMIT # TN0024155

LOCATION DATA

LOCATION: 1403 Oak Ridge Turnpike

1st Occurrence at this location? Y N

If No, Date of Last Occurrence: 4/16/2011

POINT OF OCCURANCE

Manhole Clean Out In-House Backup Lift Station Name: None or None or None

If Manhole; Give Mini-system # W5 Map Page # G-11 Manhole # New-G11-8 Old -D3 Force Main:

FLOW DATA

Start Date: 4/28/2011 Time: ? AM PM End Date: 4/28/2011 Time: ? AM PM

Duration ? hours/minutes Est. Flow Rate: ? gpm Estimated Total Flow: 18,000 gallons

CAUSES

(Check all that apply)

Rainfall [Estimated amount 2.95 in] Power Outage Equipment Failure

Broken Sewer Blocked line from Roots Grease Collapse Other

Explain causes of overflow: Evidence of overflow found at 2:08 pm.

REMEDIAL MEASURES TO CORRECT, PREVENT OR MINIMIZE FUTURE OCCURANCES

Line was: Jet Rodded Nozzle Root Saw Lid Removed Lined Equipment Repair

Line will be: cleaned and TV'd for needed repair: Other: City continues work to correct I&I

WHERE DID DISCHARGE GO (Check all that apply)

Did flow run to surface water: Yes No Name of surface water: Tributary to East Fork Poplar Creek

Ran on/in: Ground & absorbed into soil Ditch Storm Sewer

Basement Back-up No. of basements Use (i.e., commercial, residential)

Other (describe)

Notified Public: Yes No How: City Web Site The Oak Ridger Signs Posted Date:

Names of Responders: David Patterson, James Hirt

Report completed by David Patterson Title: Utility Specialist Date: 5-3-11

Reviewed by Kick Lawin Title: Operations & Maint. Manager Date: 5/3/11

Initial TDEC Notification By: David Patterson Date: 4/28/2011

After Review & Kathy Stout Title: Operations Manager Date: 5-4-11
Notification to TDEC

Final Review Kathy Stout Title: Public Works Director Date: 5/4/11

Final Report Transmitted to TDEC By: Kathy Stout Date: 5/4/11

FAXED

CITY OF OAK RIDGE

REPORT DATE: 4/28/2011

SANITARY SEWER OVERFLOW FINAL REPORT

NPDES PERMIT # TN0024155

LOCATION DATA

LOCATION: 1403 Oak Ridge Turnpike

1st Occurrence at this location? Y N

If No, Date of Last Occurrence: 4/16/2011

POINT OF OCCURANCE

Manhole Clean Out In-House Backup Lift Station Name: None or None or None

If Manhole; Give Mini-system # W5 Map Page # G-12 Manhole # New-G12-1Old -D4 Force Main:

FLOW DATA

Start Date: 4/28/2011 Time: ? AM PM End Date: 4/28/2011 Time: ? AM PM

Duration ? hours/minutes Est. Flow Rate: ? gpm Estimated Total Flow: 17,000 gallons

CAUSES

(Check all that apply)

Rainfall [Estimated amount 2.95 in] Power Outage Equipment Failure

Broken Sewer Blocked line from Roots Grease Collapse Other

Explain causes of overflow: Evidence of overflow found at 2:12 pm.

REMEDIAL MEASURES TO CORRECT, PREVENT OR MINIMIZE FUTURE OCCURANCES

Line was: Jet Rodded Nozzle Root Saw Lid Removed Limed Equipment Repair

Line will be: cleaned and TV'd for needed repair: Other: City continues work to correct I&I

WHERE DID DISCHARGE GO (Check all that apply)

Did flow run to surface water: Yes No Name of surface water: Tributary to East Fork Poplar Creek

Ran on/in: Ground & absorbed into soil Ditch Storm Sewer

Basement Back-up No. of basements Use (i.e., commercial, residential)

Other (describe)

Notified Public: Yes No How: City Web Site The Oak Ridger Signs Posted Date:

Names of Responders: David Patterson, James Hirt

Report completed by David Patterson Title: Utility Specialist Date: 5-3-11

Reviewed by Rick Clouston Title: Operations & Maint. Manager Date: 5/3/11

Initial TDEC Notification By: David Patterson Date: 4/28/2011

After Review & Scott Peterson Title: Operations Manager Date: 5-4-11
Notification to TDEC

Final Review Msy Cumber Title: Public Works Director Date: 5/4/11

Final Report Transmitted to TDEC By: Kathy Stout Date: 5/4/11

FAXED

CITY OF OAK RIDGE

REPORT DATE: 4/28/2011

SANITARY SEWER OVERFLOW FINAL REPORT

NPDES PERMIT # TN0024155

LOCATION DATA

LOCATION: 470 Oak Ridge Turnpike

1st Occurrence at this location? Y N

If No, Date of Last Occurrence: 4/16/2011

POINT OF OCCURANCE

Manhole Clean Out In-House Backup Lift Station Name: None or None or None

If Manhole; Give Mini-system # E10 Map Page # F-20 Manhole # New F-20-25, Old E814 Force Main:

FLOW DATA

Start Date: 4/28/2011 Time: ? AM PM End Date: 4/28/2011 Time: ? AM PM

Duration ? hours/minutes Est. Flow Rate: ? gpm Estimated Total Flow: 4,500 gallons

CAUSES

(Check all that apply)

Rainfall [Estimated amount 2.95 in] Power Outage Equipment Failure

Broken Sewer Blocked line from Roots Grease Collapse Other

Explain causes of overflow: Evidence of overflow found at 1:25 pm.

REMEDIAL MEASURES TO CORRECT, PREVENT OR MINIMIZE FUTURE OCCURANCES

Line was: Jet Rodded Nozzle Root Saw Lid Removed Limed Equipment Repair

Line will be: cleaned and TV'd for needed repair: Other: City continues work to correct I&I

WHERE DID DISCHARGE GO (Check all that apply)

Did flow run to surface water: Yes No Name of surface water: Tributary to Ernies Creek

Ran on/in: Ground & absorbed into soil Ditch Storm Sewer

Basement Back-up No. of basements Use (i.e., commercial, residential)

Other (describe)

Notified Public: Yes No How: City Web Site The Oak Ridger Signs Posted Date:

Names of Responders: David Patterson, James Hirt

Report completed by David Patterson Title: Utility Specialist Date: 5-3-11

Reviewed by Kick Lewin Title: Operations & Maint. Manager Date: 5/3/11

Initial TDEC Notification By: David Patterson Date: 4/28/2011

After Review & Kathy Stout Title: Operations Manager Date: 5/4/11
Notification to TDEC

Final Review W. G. Corder Title: Public Works Director Date: 5/4/11

Final Report Transmitted to TDEC By: Kathy Stout Date: 5/4/11

FAXED

CITY OF OAK RIDGE

REPORT DATE: 4/28/2011

SANITARY SEWER OVERFLOW FINAL REPORT

NPDES PERMIT # TN0024155

LOCATION DATA

LOCATION: 535 Oak Ridge Turnpike

1st Occurrence at this location? Y N

If No, Date of Last Occurrence: 4/16/2011

POINT OF OCCURANCE

Manhole Clean Out In-House Backup Lift Station Name: None or None or None

If Manhole; Give Mini-system # E13A Map Page # G-20 Manhole # F-702 Force Main:

FLOW DATA

Start Date: 4/28/2011 Time: ? AM PM End Date: 4/28/2011 Time: ? AM PM

Duration ? hours/minutes Est. Flow Rate: ? gpm Estimated Total Flow: 18,000 gallons

CAUSES

(Check all that apply)

Rainfall [Estimated amount 2.95 in] Power Outage Equipment Failure

Broken Sewer Blocked line from Roots Grease Collapse Other

Explain causes of overflow: Evidence of overflow found at 12:46 pm.

REMEDIAL MEASURES TO CORRECT, PREVENT OR MINIMIZE FUTURE OCCURANCES

Line was: Jet Rodded Nozzle Root Saw Lid Removed Lined Equipment Repair

Line will be: cleaned and TV'd for needed repair: Other: City continues work to correct I&I

WHERE DID DISCHARGE GO (Check all that apply)

Did flow run to surface water: Yes No Name of surface water: Ernies Creek

Ran on/in: Ground & absorbed into soil Ditch Storm Sewer

Basement Back-up No. of basements Use (i.e., commercial, residential)

Other (describe)

Notified Public: Yes No How: City Web Site The Oak Ridger Signs Posted Date:

Names of Responders: David Patterson, James Hirt

Report completed by David Patterson Title: Utility Specialist Date: 5-3-11

Reviewed by Rob Lewis Title: Operations & Maint. Manager Date: 5/3/11

Initial TDEC Notification By: David Patterson Date: 4/28/2011

After Review & Notification to TDEC Scott Johnson Title: Operations Manager Date: 5/4/11

Final Review Greg Cunden Title: Public Works Director Date: 5/4/11

Final Report Transmitted to TDEC By: Kathy Stout Date: 5/4/11

FAXED

CITY OF OAK RIDGE

REPORT DATE: 4/28/2011

SANITARY SEWER OVERFLOW FINAL REPORT

NPDES PERMIT # TN0024155

LOCATION DATA

LOCATION: 117 N. Purdue Ave.

1st Occurrence at this location? Y N

If No, Date of Last Occurrence: 4/16/2011

POINT OF OCCURANCE

Manhole Clean Out In-House Backup Lift Station Name: None or None or None

If Manhole; Give Mini-system # W5A Map Page # G-15 Manhole # G15-13 Force Main:

FLOW DATA

Start Date: 4/28/2011 Time: ? AM PM End Date: 4/28/2011 Time: ? AM PM

Duration ? hours/minutes Est. Flow Rate: ? gpm Estimated Total Flow: 65,000 gallons

CAUSES

(Check all that apply)

Rainfall [Estimated amount 2.95 in] Power Outage Equipment Failure

Broken Sewer Blocked line from Roots Grease Collapse Other

Explain causes of overflow: Evidence of overflow found at 1:53 pm.

REMEDIAL MEASURES TO CORRECT, PREVENT OR MINIMIZE FUTURE OCCURANCES

Line was: Jet Rodded Nozzle Root Saw Lid Removed Lined Equipment Repair

Line will be: cleaned and TV'd for needed repair: Other: City continues work to correct I&I

WHERE DID DISCHARGE GO (Check all that apply)

Did flow run to surface water: Yes No Name of surface water: Tributary to East Fork Poplar Creek

Ran on/in: Ground & absorbed into soil Ditch Storm Sewer

Basement Back-up No. of basements Use (i.e., commercial, residential)

Other (describe)

Notified Public: Yes No How: City Web Site The Oak Ridger Signs Posted Date:

Names of Responders: David Patterson, James Hirt

Report completed by David Patterson Title: utility Specialist Date: 5-3-11

Reviewed by Kick Clavin Title: Operations & Maint. Manager Date: 5/3/11

Initial TDEC Notification By: DAVID PATTERSON Date: 4/28/2011

After Review & Scott Johnson Title: Operations Manager Date: 5-4-11
Notification to TDEC

Final Review Scott Johnson Title: Public Works Director Date: 5/4/11

Final Report Transmitted to TDEC By: Kathy Stout Date: 5/4/11



CITY OF OAK RIDGE

REPORT DATE: 4/28/2011

SANITARY SEWER OVERFLOW FINAL REPORT

NPDES PERMIT # TN0024155

LOCATION DATA

LOCATION: 270 Robertsville Rd.

1st Occurrence at this location? Y N

If No, Date of Last Occurrence: 2/28/2011

POINT OF OCCURANCE

Manhole Clean Out In-House Backup Lift Station Name: None or None or None

If Manhole; Give Mini-system # W10 Map Page # E10 Manhole # 2-80 Force Main:

FLOW DATA

Start Date: 4/28/2011 Time: ? AM PM End Date: 4/28/2011 Time: ? AM PM

Duration ? hours/minutes Est. Flow Rate: ? gpm Estimated Total Flow: 10,000 gallons

CAUSES

(Check all that apply)

Rainfall [Estimated amount 2.95 in] Power Outage Equipment Failure

Broken Sewer Blocked line from Roots Grease Collapse Other

Explain causes of overflow: Evidence of overflow found at 2:52 pm.

REMEDIAL MEASURES TO CORRECT, PREVENT OR MINIMIZE FUTURE OCCURANCES

Line was: Jet Rodded Nozzle Root Saw Lid Removed Lined Equipment Repair

Line will be: cleaned and TV'd for needed repair: Other: City continues work to correct I&I

WHERE DID DISCHARGE GO (Check all that apply)

Did flow run to surface water: Yes No Name of surface water: Tributary to East Fork Poplar Creek

Ran on/in: Ground & absorbed into soil Ditch Storm Sewer

Basement Back-up No. of basements Use (i.e., commercial, residential)

Other (describe)

Notified Public: Yes No How: City Web Site The Oak Ridger Signs Posted Date:

Names of Responders: David Patterson James Hirt

Report completed by David Patterson Title: Utility Specialist Date: 5-3-11

Reviewed by Kathy Stout Title: Operations & Maint. Manager Date: 5/3/11

Initial TDEC Notification By: David Patterson Date: 4/28/2011

After Review & Scott Jackson Title: Operations Manager Date: 5-4-11
Notification to TDEC

Final Review Scott Curran Title: Public Works Director Date: 5/4/11

Final Report Transmitted to TDEC By: Kathy Stout Date: 5/4/11



CITY OF OAK RIDGE

REPORT DATE: 4/28/2011

SANITARY SEWER OVERFLOW FINAL REPORT

NPDES PERMIT # TN0024155

LOCATION DATA

LOCATION: 191 Tusculum Dr.

1st Occurrence at this location? Y N

If No, Date of Last Occurrence: 4/16/2011

POINT OF OCCURANCE

Manhole Clean Out In-House Backup Lift Station Name: None or None or None

If Manhole; Give Mini-system # W19 Map Page # H-11 Manhole # H11-4 Force Main:

FLOW DATA

Start Date: 4/28/2011 Time: ? AM PM End Date: 4/28/2011 Time: ? AM PM

Duration ? hours/minutes Est. Flow Rate: ? gpm Estimated Total Flow: 4,500 gallons

CAUSES

(Check all that apply)

Rainfall [Estimated amount 2.95 in] Power Outage Equipment Failure

Broken Sewer Blocked line from Roots Grease Collapse Other

Explain causes of overflow: Evidence of overflow found at 2:45 pm.

REMEDIAL MEASURES TO CORRECT, PREVENT OR MINIMIZE FUTURE OCCURANCES

Line was: Jet Rodded Nozzle Root Saw Lid Removed Lined Equipment Repair

Line will be: cleaned and TV'd for needed repair: Other: City continues work to correct I&I

WHERE DID DISCHARGE GO (Check all that apply)

Did flow run to surface water: Yes No Name of surface water: East Fork Poplar Creek

Ran on/in: Ground & absorbed into soil Ditch Storm Sewer

Basement Back-up No. of basements Use (i.e., commercial, residential)

Other (describe)

Notified Public: Yes No How: City Web Site The Oak Ridger Signs Posted Date:

Names of Responders: David Patterson, James Hirt

Report completed by David Patterson Title: Utility maint. Specialist Date: 5-3-11

Reviewed by Kick Brown Title: Operations & Maint. Manager Date: 5/3/11

Initial TDEC Notification By: David Patterson Date: 4/28/2011

After Review & Scott Archon Title: Operations Manager Date: 5.4.11
Notification to TDEC

Final Review Ms. Corder Title: Public Works Director Date: 5/4/11

Final Report Transmitted to TDEC By: Kathy Stout Date: 5/4/11

FAXED

CITY OF OAK RIDGE

REPORT DATE: 5/3/2011

SANITARY SEWER OVERFLOW FINAL REPORT

NPDES PERMIT # TN0024155

LOCATION DATA

LOCATION: 120 Everest Cir

1st Occurrence at this location? Y N

If No, Date of Last Occurrence:

POINT OF OCCURANCE

Manhole Clean Out In-House Backup Lift Station Name: None or None or None

If Manhole; Give Mini-system # E11 Map Page # B-21 Manhole # Force Main:

FLOW DATA

Start Date: 5/2/2011 Time: 1:30 AM PM End Date: 5/2/2011 Time: 1:30 AM PM

Duration hours/minutes Est. Flow Rate: gpm Estimated Total Flow: 2 gallons

CAUSES

(Check all that apply)

Rainfall [Estimated amount in] Power Outage Equipment Failure

Broken Sewer Blocked line from Roots Grease Collapse Other

Explain causes of overflow: Crew was jet rodding the sewer main and caused water to splash out of toilet.

REMEDIAL MEASURES TO CORRECT, PREVENT OR MINIMIZE FUTURE OCCURANCES

Line was: Jet Rodded Nozzle Root Saw Lid Removed Lined Equipment Repair

Line will be: cleaned and TV'd for needed repair: Other: Offered to clean up water, owner declined help. Notified our insurance agent, filled out incident report.

WHERE DID DISCHARGE GO (Check all that apply)

Did flow run to surface water: Yes No Name of surface water:

Ran on/in: Ground & absorbed into soil Ditch Storm Sewer

Basement Back-up No. of basements Use (i.e., commercial, residential)

Other (describe) Splashed out of toilet.

Notified Public: Yes No How: City Web Site The Oak Ridger Signs Posted Date:

Names of Responders: Trevor Gallaher, Cody Martin, (2 PCI contractor crew members)

Report completed by Trevor Gallaher Title: Utility Line Maint. Crew Chief Date: 5-4-11

Reviewed by Kathy Stout Title: Operations & Maint. Manager Date: 5/5/11

Initial TDEC Notification By: Trevor Gallaher Date: 5-3-11

After Review & Notification to TDEC Kathy Stout Title: Operations Manager Date: 5-5-11

Final Review Kathy Stout Title: Public Works Director Date: 5/5/11

Final Report Transmitted to TDEC By: Kathy Stout Date: 5/5/11

FAXED

CITY OF OAK RIDGE

REPORT DATE: 5/3/2011

SANITARY SEWER OVERFLOW FINAL REPORT

NPDES PERMIT # TN0024155

LOCATION DATA

LOCATION: 107 Broadway Ave

1st Occurrence at this location? Y N

If No, Date of Last Occurrence:

POINT OF OCCURANCE

Manhole Clean Out In-House Backup Lift Station Name: None or None or None

If Manhole; Give Mini-system # E7 Map Page # F17 Manhole # Force Main:

FLOW DATA

Start Date: 5/3/2011 Time: 10:30 AM PM End Date: 5/3/2011 Time: 10:30 AM PM

Duration hours/minutes Est. Flow Rate: gpm Estimated Total Flow: 1 gallons

CAUSES

(Check all that apply)

Rainfall [Estimated amount in] Power Outage Equipment Failure

Broken Sewer Blocked line from Roots Grease Collapse Other

Explain causes of overflow: City crew was jet rodding the sewer main and blew water back through the toilet.

REMEDIAL MEASURES TO CORRECT, PREVENT OR MINIMIZE FUTURE OCCURANCES

Line was: Jet Rodded Nozzle Root Saw Lid Removed Lined Equipment Repair

Line will be: cleaned and TV'd for needed repair: Other: Offered to clean up water, owner declined help. Notified our insurance agent, filled out incident report.

WHERE DID DISCHARGE GO (Check all that apply)

Did flow run to surface water: Yes No Name of surface water:

Ran on/in: Ground & absorbed into soil Ditch Storm Sewer

Basement Back-up No. of basements Use (i.e., commercial, residential) Commercial

Other (describe) Water was confined to the restroom.

Notified Public: Yes No How: City Web Site The Oak Ridger Signs Posted Date:

Names of Responders: Tony Morris,

Report completed by [Signature] Title: Utility Line Maintenance Date: 5/4/11 crew chief

Reviewed by [Signature] Title: Operations & Maint Manager Date: 5/5/11

Initial TDEC Notification By: Tony Morris Date: 5/3/11

After Review & Notification to TDEC [Signature] Title: Operations Manager Date: 5-5-11

Final Review [Signature] Title: Public Works Director Date: 5/5/11

Final Report Transmitted to TDEC By: [Signature] Date: 5/5/11



LOCATION: 110 Culver Rd LOCATION DATA 1st Occurrence at this location? Y [X] N []

If No, Date of Last Occurrence: KS

POINT OF OCCURANCE

Manhole: [] Clean Out: [] In-House Backup: [X] Lift Station: Name: None or None or None
If Manhole; Give Mini-system # E-8 Map Page # H-19 Manhole # Force Main: []

FLOW DATA

Start Date: 5/16/2011 Time: 9:30 AM [X] PM [] End Date: 5/16/2011 Time: 9:40 AM [X] PM []
Duration 10 Min. hours/minutes Est. Flow Rate: 2 gpm Estimated Total Flow: 20 gallons

CAUSES

(Check all that apply)
Rainfall [] [Estimated amount in] Power Outage [] Equipment Failure []
Broken Sewer [] Blocked line from Roots [] Grease [] Collapse [] Other []

Explain causes of overflow: The city crew was jet rodding the sewer main and caused water to splash out of toilet.

REMEDIAL MEASURES TO CORRECT, PREVENT OR MINIMIZE FUTURE OCCURANCES

Line was: Jet Rodded [X] Nozzle [] Root Saw [] Lid Removed [] Lined [X] Equipment Repair []

Line will be: cleaned and TV'd for needed repair: [X] Other: Contacted the city's insurance adjuster for clean up.

WHERE DID DISCHARGE GO (Check all that apply)

Did flow run to surface water: Yes [] No [X] Name of surface water:
Ran on/in: Ground & absorbed into soil [X] Ditch [] Storm Sewer []
Basement Back-up [] No. of basements Use (i.e., commercial, residential)
Other (describe)

Notified Public: Yes [] No [X] How: City Web Site [] The Oak Ridger [] Signs Posted [] Date:

Names of Responders: David Patterson, Tony Morris, Mark Maples

Report completed by Anthony C. Morris Title: utility line maint. crew chief Date: 5/20/11

Reviewed by [Signature] Title: Operations & Maint. Manager Date: 5/20/11

Initial TDEC Notification By: Tony Morris Date: 5/16/11

After Review & Notification to TDEC [Signature] Title: Operations Manager Date: 5-23-11

Final Review [Signature] Title: Public Works Director Date: 5/23/11

Final Report Transmitted to TDEC By: Kathy Stout Date: 5/23/11

FAXED

CITY OF OAK RIDGE

REPORT DATE: 5/17/2011

SANITARY SEWER OVERFLOW FINAL REPORT

NPDES PERMIT # TN0024155

LOCATION DATA

LOCATION: 14 Converse Lane

1st Occurrence at this location? Y N

If No, Date of Last Occurrence:

POINT OF OCCURANCE

KS

Manhole Clean Out In-House Backup

Lift Station Name: None or None or None

If Manhole; Give Mini-system # E-8

Map Page # H-20

Manhole #

Force Main:

FLOW DATA

Start Date: 5/17/2011 Time: 5:30 AM PM

End Date: 5/17/2011 Time: 5:32 AM PM

KS

Duration 2 min hours/minutes Est. Flow Rate: 1 gpm Estimated Total Flow: 2 gallons

CAUSES

(Check all that apply)

Rainfall [Estimated amount in] Power Outage Equipment Failure

Broken Sewer Blocked line from Roots Grease Collapse Other

Explain causes of overflow: City crew was jet rodding the sewer main and blew water back through the toilet

REMEDIAL MEASURES TO CORRECT, PREVENT OR MINIMIZE FUTURE OCCURANCES

Line was: Jet Rodded Nozzle Root Saw Lid Removed Lined Equipment Repair

Line will be: cleaned and TV'd for needed repair: Other: We offered to clean up water but owner declined help. I filled out a incident report.

WHERE DID DISCHARGE GO (Check all that apply)

Did flow run to surface water: Yes No Name of surface water:

Ran on/in: Ground & absorbed into soil Ditch Storm Sewer

Basement Back-up No. of basements Use (i.e., commercial, residential)

Other (describe)

Notified Public: Yes No How: City Web Site The Oak Ridger Signs Posted Date:

Names of Responders: Anthony C. Morris, Scott Butler, Earnest Bailey

Report completed by Anthony C. Morris Title: Utility Line maint. crew chief Date: 5/20/11

Reviewed by Kick Clavin Title: Operations & Maint. Manager Date: 5/20/11

Initial TDEC Notification By: Anthony Morris Date: 5/17/11

After Review & Pat Parker Title: Operations Manager Date: 5-23-11
Notification to TDEC

Final Review [Signature] Title: Public Works Director Date: 5/23/11

Final Report Transmitted to TDEC By: Kathy Stout Date: 5/23/11

FAXED

CITY OF OAK RIDGE

REPORT DATE: 5/25/2011

SANITARY SEWER OVERFLOW FINAL REPORT

NPDES PERMIT # TN0024155

LOCATION DATA

LOCATION: 109 Beverly Cir.

1st Occurrence at this location? Y N

If No, Date of Last Occurrence:

POINT OF OCCURANCE

Manhole Clean Out In-House Backup Lift Station Name: None or None or None

If Manhole; Give Mini-system # W18G Map Page # D4 Manhole # D4-36 Force Main:

FLOW DATA

Start Date: 5/24/2011 Time: 11:00 AM PM End Date: 5/24/2011 Time: 11:30 AM PM

Duration 30 min. hours/minutes Est. Flow Rate: 100 gpm Estimated Total Flow: 3,000 gallons

CAUSES

(Check all that apply)

Rainfall [Estimated amount in] Power Outage Equipment Failure
Broken Sewer Blocked line from Roots Grease Collapse Other

Explain causes of overflow: Towels & roots in line

REMEDIAL MEASURES TO CORRECT, PREVENT OR MINIMIZE FUTURE OCCURANCES

Line was: Jet Rodded Nozzle Root Saw Lid Removed Lined Equipment Repair

Line will be: cleaned and TV'd for needed repair: Other:

WHERE DID DISCHARGE GO (Check all that apply)

Did flow run to surface water: Yes No Name of surface water:

Ran on/in: Ground & absorbed into soil Ditch Storm Sewer

Basement Back-up No. of basements Use (i.e., commercial, residential)

Other (describe)

Notified Public: Yes No How: City Web Site The Oak Ridger Signs Posted Date:

Names of Responders: Anthony C Morris, David Patterson, Mark Maples

Report completed by Anthony C Morris Title: Utility Maint. crew chief Date: 5/26/11

Reviewed by Rich Lawson Title: Operations & Maint Manager Date: 5/26/11

Initial TDEC Notification By: Anthony Morris Date: 5/24/11

After Review & Scott Jackson Title: Operations Manager Date: 5-26-11
Notification to TDEC

Final Review Steve P. Byrd Title: Public Works Director Date: 5-26-11

Final Report Transmitted to TDEC By: CITY ENGR. FOR Kathy Stout Date: 5-26-11

FAXED

CITY OF OAK RIDGE

REPORT DATE: 5/25/2011

SANITARY SEWER OVERFLOW FINAL REPORT

NPDES PERMIT # TN0024155

LOCATION DATA

LOCATION: 117 Beverly Cir.

1st Occurrence at this location? Y N

If No, Date of Last Occurrence:

POINT OF OCCURANCE

Manhole Clean Out In-House Backup Lift Station Name: None or None or None

If Manhole; Give Mini-system # W18G Map Page # D4 Manhole # M58-29 Force Main:

FLOW DATA

Start Date: 5/24/2011 Time: 11:05 AM PM End Date: 5/24/2011 Time: 11:30 AM PM

Duration 25 min. hours/minutes Est. Flow Rate: 100 gpm Estimated Total Flow: 2.500 gallons

CAUSES

(Check all that apply)

Rainfall [Estimated amount in] Power Outage Equipment Failure

Broken Sewer Blocked line from Roots Grease Collapse Other

Explain causes of overflow: Towels & roots in line

REMEDIAL MEASURES TO CORRECT, PREVENT OR MINIMIZE FUTURE OCCURANCES

Line was: Jet Rodded Nozzle Root Saw Lid Removed Lined Equipment Repair

Line will be: cleaned and TV'd for needed repair: Other:

WHERE DID DISCHARGE GO (Check all that apply)

Did flow run to surface water: Yes No Name of surface water:

Ran on/in: Ground & absorbed into soil Ditch Storm Sewer

Basement Back-up No. of basements Use (i.e., commercial, residential)

Other (describe)

Notified Public: Yes No How: City Web Site The Oak Ridger Signs Posted Date:

Names of Responders: Anthony C. Morris, David Patterson, Mark Maples

Report completed by Anthony C. Morris Title: Utility Maint. Crew chief Date: 5/26/11

Reviewed by Ack Lawson Title: Operations & Maint. Manager Date: 5/26/11

Initial TDEC Notification By: Anthony Morris Date: 5/24/11

After Review & Kath Stout Title: Operations Manager Date: 5-26-11
Notification to TDEC

Final Review John R. Byrd CITY Title: Public Works Director Date: 5-26-11

Final Report Transmitted to TDEC By: Kathy Stout Date: 5-26-11

FAXED

CITY OF OAK RIDGE

REPORT DATE: 5/26/2011

SANITARY SEWER OVERFLOW FINAL REPORT

NPDES PERMIT # TN0024155

LOCATION DATA

LOCATION: 961 Oak Ridge Turnpike

1st Occurrence at this location? Y N KS

If No, Date of Last Occurrence:

POINT OF OCCURANCE

Manhole Clean Out In-House Backup

Lift Station Name: None or None or None

If Manhole; Give Mini-system # E-4

Map Page # F-16, G-16 Manhole #

Force Main:

FLOW DATA

Start Date: 5/26/2011 Time: 12:50 AM PM End Date: 5/26/2011 Time: 1:00 AM PM KS

Duration 10M hours/minutes Est. Flow Rate: 1 gpm Estimated Total Flow: 10 gallons

CAUSES

(Check all that apply)

Rainfall [Estimated amount in] Power Outage Equipment Failure

Broken Sewer Blocked line from Roots Grease Collapse Other KS

Explain causes of overflow: City crew was jet rodding the sewer main and blew water back through the toilet

REMEDIAL MEASURES TO CORRECT, PREVENT OR MINIMIZE FUTURE OCCURANCES

Line was: Jet Rodded Nozzle Root Saw Lid Removed Lined Equipment Repair

Line will be: cleaned and TV'd for needed repair: Other: We offered to clean up water but owner declined help. I filled out incident report.

WHERE DID DISCHARGE GO (Check all that apply)

Did flow run to surface water: Yes No KS Name of surface water:

Ran on/in: Ground & absorbed into soil Ditch Storm Sewer

Basement Back-up No. of basements Use (i.e., commercial, residential)

Other (describe)

Notified Public: Yes No How: City Web Site The Oak Ridger Signs Posted Date:

Names of Responders: Rodney L. Anderson, Earnest Bailey, Levi Hathanael

Report completed by Anthony C. Moore Title: Utility Maint. Crew Chief Date: 5/31/11

Reviewed by Kathy Stout Title: Operations & Maint Manager Date: 5/31/11

Initial TDEC Notification By: RLA Date: 5/26/11 KS

After Review & Kathy Stout Title: Operations Manager Date: 5-31-11
Notification to TDEC

Final Review Steve R. Byrd P.E. Title: FOR Public Works Director Date: 5-31-11

Final Report Transmitted to TDEC By: Kathy Stout Date: 5-31-11

FAXED

CITY OF OAK RIDGE

REPORT DATE: 6/3/2011

SANITARY SEWER OVERFLOW FINAL REPORT

NPDES PERMIT # TN0024155

LOCATION DATA

LOCATION: 108 Anna Rd

1st Occurrence at this location? Y N

If No, Date of Last Occurrence:

POINT OF OCCURANCE

Manhole Clean Out In-House Backup Lift Station Name: None or None or None

If Manhole; Give Mini-system # E11 Map Page # E-22 Manhole # Force Main:

FLOW DATA

Start Date: 6/3/2011 Time: 11:30 AM PM End Date: 6/3/2011 Time: 11:31 AM PM

Duration 1 hours/minutes Est. Flow Rate: 2 gpm Estimated Total Flow: 2 gallons

CAUSES

(Check all that apply)

Rainfall [Estimated amount in] Power Outage Equipment Failure

Broken Sewer Blocked line from Roots Grease Collapse Other

Explain causes of overflow: PCI contractor was cleaning sewer main with jet rodder caused water to splash out of toilet.

REMEDIAL MEASURES TO CORRECT, PREVENT OR MINIMIZE FUTURE OCCURANCES

Line was: Jet Rodded Nozzle Root Saw Lid Removed Lined Equipment Repair

Line will be: cleaned and TV'd for needed repair: Other: City offered to clean up water, but homeowner declined help. I filled out incident report.

WHERE DID DISCHARGE GO (Check all that apply)

Did flow run to surface water: Yes No Name of surface water:

Ran on/in: Ground & absorbed into soil Ditch Storm Sewer

Basement Back-up No. of basements Use (i.e., commercial, residential)

Other (describe) Water was confined to the bathroom.

Notified Public: Yes No How: City Web Site The Oak Ridger Signs Posted Date:

Names of Responders: Rodney Anderson, Ernie Bailey, Levi Hawn

Report completed by Trevor Gallaher Title: Utility Line Crew Chief Date: 6-3-11

Reviewed by Nick Brown Title: Operations & Maint Mgr Date: 6/3/11

Initial TDEC Notification By: Trevor Gallaher Date: 6/3/11

After Review & Scott Pecher Title: Operations Manager Date: 6-6-11
Notification to TDEC

Final Review [Signature] Title: Public Works Director Date: 6/6/11

Final Report Transmitted to TDEC By: Kathy Stout Date: 6/6/11

FAXED

CITY OF OAK RIDGE

REPORT DATE: 6/5/2011

SANITARY SEWER OVERFLOW FINAL REPORT

NPDES PERMIT # TN0024155

LOCATION DATA

LOCATION: 130 Providence Rd

1st Occurrence at this location? Y N

If No, Date of Last Occurrence:

POINT OF OCCURANCE

Manhole Clean Out In-House Backup Lift Station Name: None or None or None

If Manhole; Give Mini-system # W8 Map Page # E-12 Manhole # DAC-22 Force Main:

FLOW DATA

Start Date: 6/5/2011 Time: 7:30 AM PM End Date: 6/5/2011 Time: 9:50 AM PM

Duration 2:20 hours/minutes Est. Flow Rate: 50 gpm Estimated Total Flow: 7,000 gallons

CAUSES

(Check all that apply)

Rainfall [Estimated amount in] Power Outage Equipment Failure
Broken Sewer Blocked line from Roots Grease Collapse Other

Explain causes of overflow: Roots were growing around end of pipeburst pipe in manhole causing stop-up.

REMEDIAL MEASURES TO CORRECT, PREVENT OR MINIMIZE FUTURE OCCURANCES

Line was: Jet Rodded Nozzle Root Saw Lid Removed Lined Equipment Repair

Line will be: cleaned and TV'd for needed repair: Other:

WHERE DID DISCHARGE GO (Check all that apply)

Did flow run to surface water: Yes No Name of surface water: Tributary to East Fork Poplar Creek

Ran on/in: Ground & absorbed into soil Ditch Storm Sewer

Basement Back-up No. of basements Use (i.e., commercial, residential)

Other (describe)

Notified Public: Yes No How: City Web Site The Oak Ridger Signs Posted Date:

Names of Responders: Trevor Gallaher, Doug Farmer, Brian Simmons

Report completed by [Signature] Title: Rehab Foreman Date: 6/8/11

Reviewed by [Signature] Title: Operations & Maint. Manager Date: 6/7/11

Initial TDEC Notification By: Trevor Gallaher Date: 6/5/2011

After Review & [Signature] Title: Operations Manager Date: 6-8-11
Notification to TDEC

Final Review [Signature] Title: Public Works Director Date: 6/8/11

Final Report Transmitted to TDEC By: [Signature] Date: 6/8/11

FAXED

CITY OF OAK RIDGE

REPORT DATE: 6/9/2011

SANITARY SEWER OVERFLOW FINAL REPORT

NPDES PERMIT # TN0024155

LOCATION DATA

LOCATION: 264 Jefferson Ave.

1st Occurrence at this location? Y N

If No, Date of Last Occurrence:

POINT OF OCCURANCE

Manhole Clean Out In-House Backup Lift Station Name: None or None or None

If Manhole; Give Mini-system # W-12 Map Page # D-9 Manhole # D9-12 Force Main:

FLOW DATA

Start Date: 6/8/2011 Time: 9:15 AM PM End Date: 6/8/2011 Time: 10:40 AM PM

Duration 1 hr 25 min hours/minutes Est. Flow Rate: 1 gpm Estimated Total Flow: 85 gallons

CAUSES

(Check all that apply)

Rainfall [Estimated amount in] Power Outage Equipment Failure

Broken Sewer Blocked line from Roots Grease Collapse Other

Explain causes of overflow: Line stopped up with roots and rags.

REMEDIAL MEASURES TO CORRECT, PREVENT OR MINIMIZE FUTURE OCCURANCES

Line was: Jet Rodded Nozzle Root Saw Lid Removed Lined Equipment Repair ^{NO} 6/13/11 K Stout

Line will be: cleaned and TV'd for needed repair: Other: Ran 4" saw to unstop the line.

WHERE DID DISCHARGE GO (Check all that apply)

Did flow run to surface water: Yes No Name of surface water:

Ran on/in: Ground & absorbed into soil Ditch Storm Sewer

Basement Back-up No. of basements Use (i.e., commercial, residential)

Other (describe)

Notified Public: Yes No How: City Web Site The Oak Ridger Signs Posted Date:

Names of Responders: Todd Baker, Cody Martin and Don Smith

Report completed by Todd Baker Title: specialists Date: 6/10/11

Reviewed by Rob Brown Title: Operations & Maint. Manager Date: 6/10/11

Initial TDEC Notification By: Todd Baker Date: 6/8/2011 ^{✓RS}

After Review & N/A Notification to TDEC Title: Operations Manager Date: N/A

Final Review [Signature] Title: Public Works Director Date: 6/10/11

Final Report Transmitted to TDEC By: Kathy Stout Date: 6/10/11



LOCATION DATA

LOCATION: 110 W. Vance Rd. 1st Occurrence at this location? Y [x] N []

If No, Date of Last Occurrence:

POINT OF OCCURANCE

Manhole [x] Clean Out [] In-House Backup [] Lift Station Name: None or None or None

If Manhole; Give Mini-system # W5 Map Page # F-15 Manhole # DJH-1 Force Main: []

FLOW DATA

Start Date: 6/9/2011 Time: 7:04 AM [] PM [x] End Date: 6/9/2011 Time: 7:14 AM [] PM [x]

Duration 10 min. hours/minutes Est. Flow Rate: 2 gpm Estimated Total Flow: 20 gallons

CAUSES

(Check all that apply)

Rainfall [] [Estimated amount in] Power Outage [] Equipment Failure [] Broken Sewer [] Blocked line from Roots [x] Grease [x] Collapse [] Other []

Explain causes of overflow:

REMEDIAL MEASURES TO CORRECT, PREVENT OR MINIMIZE FUTURE OCCURANCES

Line was: Jet Rodded [x] Nozzle [] Root Saw [x] Lid Removed [] Lined [] Equipment Repair []

Line will be: cleaned and TV'd for needed repair: [x] Other:

WHERE DID DISCHARGE GO (Check all that apply)

Did flow run to surface water: Yes [] No [x] Name of surface water: Tributary to East Fork Poplar Creek.

Ran on/in: Ground & absorbed into soil [] Ditch [] Storm Sewer [x]

Basement Back-up [] No. of basements Use (i.e., commercial, residential)

Other (describe)

Notified Public: Yes [] No [x] How: City Web Site [] The Oak Ridger [] Signs Posted [] Date:

Names of Responders: Anthony Morris, Richard Carroll, Edward Wilson

Report completed by David Patterson Title: Utilities Maint. Specialist Date: 6-13-11

Reviewed by Kirk Elwin Title: Operations & Maint. Mgr. Date: 6/13/11

Initial TDEC Notification By: David Patterson Date: 6/9/2011

After Review & Notification to TDEC Scott Jackson Title: Operations Manager Date: 6-14-11

Final Review [Signature] Title: Public Works Director Date: 6/14/11

Final Report Transmitted to TDEC By: Kathy Stout Date: 6/15/11



CITY OF OAK RIDGE

REPORT DATE: 6/9/2011

SANITARY SEWER OVERFLOW FINAL REPORT

NPDES PERMIT # TN0024155

LOCATION DATA

LOCATION: 114 W. Vance Rd.

1st Occurrence at this location? Y N

If No, Date of Last Occurrence:

POINT OF OCCURANCE

Manhole Clean Out In-House Backup Lift Station Name: None or None or None

If Manhole; Give Mini-system # W5 Map Page # F-15 Manhole # DJH-7 Force Main:

FLOW DATA

Start Date: 6/9/2011 Time: 7:04 AM PM End Date: 6/9/2011 Time: 7:14 AM PM

Duration 10 min. hours/minutes Est. Flow Rate: 2 gpm Estimated Total Flow: 20 gallons

CAUSES

(Check all that apply)

Rainfall [Estimated amount in] Power Outage Equipment Failure
Broken Sewer Blocked line from Roots Grease Collapse Other

Explain causes of overflow:

REMEDIAL MEASURES TO CORRECT, PREVENT OR MINIMIZE FUTURE OCCURANCES

Line was: Jet Rodded Nozzle Root Saw Lid Removed Lined Equipment Repair

Line will be: cleaned and TV'd for needed repair: Other:

WHERE DID DISCHARGE GO (Check all that apply)

Did flow run to surface water: Yes No Name of surface water: Tributary to East Fork Poplar Creek.

Ran on/in: Ground & absorbed into soil Ditch Storm Sewer

Basement Back-up No. of basements Use (i.e., commercial, residential)

Other (describe)

Notified Public: Yes No How: City Web Site The Oak Ridger Signs Posted Date:

Names of Responders: Anthony Morris, Richard Carroll, Edward Wilson

Report completed by David Patterson Title: Utility maint. Special Date: 6-13-11

Reviewed by Rich Lewis Title: Operations & Maint. Mgr. Date: 6/13/11

Initial TDEC Notification By: David Patterson Date: 6/9/2011

After Review & Scott Jackson Title: Operations Manager Date: 6-14-11
Notification to TDEC

Final Review [Signature] Title: Public Works Director Date: 6/14/11

Final Report Transmitted to TDEC By: Kathy Stout Date: 6/15/11



6 K Stout

LOCATION: 220 Butler Rd. 1st Occurrence at this location? Y N

If No, Date of Last Occurrence:

POINT OF OCCURANCE

Manhole Clean Out In-House Backup Lift Station Name: None or None or None

If Manhole; Give Mini-system # Map Page # D-3 Manhole # D3-43 Force Main:

FLOW DATA

Start Date: 6/15/2011 Time: 8:15 AM PM End Date: 6/15/2011 Time: 8:16 AM PM

Duration 1 hours/minutes Est. Flow Rate: .5 gpm Estimated Total Flow: .5 gallons

CAUSES

(Check all that apply)

Rainfall [Estimated amount in] Power Outage Equipment Failure Broken Sewer Blocked line from Roots Grease Collapse Other

Explain causes of overflow: Unstopped the sewer main. Removed roots and a plastic bag.

REMEDIAL MEASURES TO CORRECT, PREVENT OR MINIMIZE FUTURE OCCURANCES

Line was: Jet Rodded Nozzle Root Saw Lid Removed Lined Equipment Repair

Line will be: cleaned and TV'd for needed repair: Other: .5 gallon of sewer seaped out from the wax ring at the base of the toilet. Home owner declined city assistance and cleaned up the sewer himself.

WHERE DID DISCHARGE GO (Check all that apply)

Did flow run to surface water: Yes No Name of surface water:

Ran on/in: Ground & absorbed into soil Ditch Storm Sewer

Basement Back-up No. of basements Use (i.e., commercial, residential)

Other (describe) .5 Gallon of water seaped out from around the toilets wax ring. Sewer was confined to bathroom around the base of the toilet.

Notified Public: Yes No How: City Web Site The Oak Ridger Signs Posted Date:

Names of Responders: Mark Daniels, Todd Baker and Doug Farmer

Report completed by Rick Irwin Title: Operations & Maint. Manager Date: 6/17/11

Reviewed by Title: Date:

Initial TDEC Notification By: Rick Irwin Date: 6/16/2011 KS

After Review & Notification to TDEC By: Scott Jackson Title: Operations Manager Date: 6-17-11

Final Review By: [Signature] Title: Public Works Director Date: 6/20/11

Final Report Transmitted to TDEC By: Kathy Stout Date: 6/20/11

FILED stamp with checkmark

CITY OF OAK RIDGE

REPORT DATE: 6/18/2011

SANITARY SEWER OVERFLOW FINAL REPORT

NPDES PERMIT # TN0024155

LOCATION DATA

LOCATION: 106 Vernon Rd

1st Occurrence at this location? Y [X] N []

If No, Date of Last Occurrence:

POINT OF OCCURANCE

Manhole: [] Clean Out: [X] In-House Backup: [] Lift Station: Name: None or None or None

If Manhole; Give Mini-system # W-5 Map Page # F-14 Manhole # Force Main: []

FLOW DATA

Start Date: 6/17/2011 Time: 3:30 AM [] PM [X] End Date: 6/17/2011 Time: 3:40 AM [] PM [X]

Duration 10 min. hours/minutes Est. Flow Rate: 2 gpm Estimated Total Flow: 20 gallons

CAUSES

(Check all that apply)

Rainfall [] [Estimated amount in] Power Outage [] Equipment Failure []
Broken Sewer [] Blocked line from Roots [] Grease [] Collapse [] Other [X]

Explain causes of overflow: The city crew was jet rodding the sewer main and caused water to come out of the basement drain and get into the basement.

REMEDIAL MEASURES TO CORRECT, PREVENT OR MINIMIZE FUTURE OCCURANCES

Line was: Jet Rodded [] Nozzle [] Root Saw [X] Lid Removed [] Lined [X] Equipment Repair []

Line will be: cleaned and TV'd for needed repair: [X] Other: Called the city's insurance adjuster for clean up.

WHERE DID DISCHARGE GO (Check all that apply)

Did flow run to surface water: Yes [] No [X] Name of surface water:

Ran on/in: Ground & absorbed into soil [] Ditch [] Storm Sewer []

Basement Back-up [X] No. of basements 1 Use (i.e., commercial, residential)

RESIDENTIAL KS 6/23/11

Other (describe)

Notified Public: Yes [] No [X] How: City Web Site [] The Oak Ridger [] Signs Posted [] Date:

Names of Responders: Scott Butler, Tony Morris, Mark Maples

Report completed by Anthony C. Morris Title: Utility Line maint. Crew chief Date: 6/22/11

Reviewed by Rick Lawri Title: Operations & Maint. Manager Date: 6/22/11

Initial TDEC Notification By: Tony Morris Date: 6/18/11 KS

After Review & Notification to TDEC Title: Operations Manager Date: 6-22-11

Final Review Title: Public Works Director Date: 6/23/11

Final Report Transmitted to TDEC By: [Signature] Date: 6.23.11

AXED 6.23.11

REPORT DATE: 6/21/2011

CITY OF OAK RIDGE
SANITARY SEWER OVERFLOW FINAL REPORT

NPDES PERMIT # TN0024155

LOCATION DATA

LOCATION: 394 Warehouse Rd

1st Occurrence at this location? Y N

If No, Date of Last Occurrence:

POINT OF OCCURANCE

Manhole Clean Out In-House Backup

Lift Station Name: None or None or None

If Manhole; Give Mini-system # E13A

Map Page # F-21

Manhole #

Force Main:

FLOW DATA

Start Date: 6/21/2011 Time: 9:00 AM PM

End Date: 6/21/2011 Time: 9:01 AM PM

Duration 1min. hours/minutes Est. Flow Rate: 2 gpm Estimated Total Flow: 2 gallons

CAUSES

(Check all that apply)

Rainfall [Estimated amount in] Power Outage Equipment Failure

Broken Sewer Blocked line from Roots Grease Collapse Other

Explain causes of overflow: Cleaning sewer main caused water to splash out of toilet

REMEDIAL MEASURES TO CORRECT, PREVENT OR MINIMIZE FUTURE OCCURANCES

Line was: Jet Rodded Nozzle Root Saw Lid Removed Lined Equipment Repair

Line will be: cleaned and TV'd for needed repair: Other: Offered to clean up but owner said he would take care of it.

WHERE DID DISCHARGE GO (Check all that apply)

Did flow run to surface water: Yes No Name of surface water:

Ran on/in: Ground & absorbed into soil Ditch Storm Sewer

Basement Back-up No. of basements Use (i.e., commercial, residential)

Other (describe)

Notified Public: Yes No How: City Web Site The Oak Ridger Signs Posted Date:

Names of Responders: Rodney Anderson, Ernie Bailey, Randy Hawk

Report completed by Jan Gallaher Title: Sewer Rehab Foreman Date: 6-24-11

Reviewed by _____ Title: _____ Date: _____

Initial TDEC Notification By: Trevor Gallaher Date: 6/21/2011

After Review & Scott Jackson Title: Operations Manager Date: 6-24-11
Notification to TDEC

Final Review [Signature] Title: Public Works Director Date: 6/24/11

Final Report Transmitted to TDEC By: Kathy Stout Date: 6/24/11

CITY OF OAK RIDGE

REPORT DATE: 6/24/2011

SANITARY SEWER OVERFLOW FINAL REPORT

NPDES PERMIT # TN0024155

LOCATION DATA

LOCATION: Athens @ East Arrowwood Rd.

1st Occurrence at this location? Y N

If No, Date of Last Occurrence: 4/28/2011

POINT OF OCCURANCE

Manhole Clean Out In-House Backup Lift Station Name: None or None or None

If Manhole; Give Mini-system # E11 Map Page # E-23 Manhole # New-E23-49 Old-D1010 Force Main:

FLOW DATA

Start Date: 6/24/2011 Time: ? AM PM End Date: 6/24/2011 Time: ? AM PM

Duration ? hours/minutes Est. Flow Rate: ? gpm Estimated Total Flow: 4,000 gallons

CAUSES

(Check all that apply)

Rainfall [Estimated amount 2.08 in] Power Outage Equipment Failure

Broken Sewer Blocked line from Roots Grease Collapse Other

Explain causes of overflow: 2" of rainfall in a 3 hr period.

REMEDIAL MEASURES TO CORRECT, PREVENT OR MINIMIZE FUTURE OCCURANCES

Line was: Jet Rodded Nozzle Root Saw Lid Removed Lined Equipment Repair

Line will be: cleaned and TV'd for needed repair: Other: City continues work to correct I&I.

WHERE DID DISCHARGE GO (Check all that apply)

Did flow run to surface water: Yes No Name of surface water: Tributary to Melton Hill Lake

Ran on/in: Ground & absorbed into soil Ditch Storm Sewer

Basement Back-up No. of basements Use (i.e., commercial, residential)

Other (describe)

Notified Public: Yes No How: City Web Site The Oak Ridger Signs Posted Date:

Names of Responders: David Patterson, Richard Carroll

Report completed by David Patterson Title: Maintenance Specialist Date: 6/28/11

Reviewed by Rich Leavin Title: Operations & Maint. Manager Date: 6/29/11

Initial TDEC Notification By: David Patterson Date: 6/24/11

After Review & Scott Wilson Title: Operations Manager Date: 6.29.11
Notification to TDEC

Final Review Raymond Title: Public Works Director Date: 6/29/11

Final Report Transmitted to TDEC By: [Signature] Date: 6.29.11

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LOCATION DATA
LOCATION: 108 Baypath Dr. ✓ 1st Occurrence at this location? Y N /
If No, Date of Last Occurrence: 4/28/2011 /

POINT OF OCCURANCE
Manhole Clean Out In-House Backup Lift Station Name: None or None or None
If Manhole; Give Mini-system # E5B / Map Page # L-22 / Manhole # L22-4 ✓ Force Main:

FLOW DATA
Start Date: 6/24/2011 / Time: ? AM PM End Date: 6/24/2011 Time: ? AM PM
Duration ? hours/minutes Est. Flow Rate: ? gpm Estimated Total Flow: 8,000 gallons

CAUSES
(Check all that apply)
Rainfall [Estimated amount 2.08 in] Power Outage Equipment Failure
Broken Sewer Blocked line from Roots Grease Collapse Other
Explain causes of overflow: Evidence Of Overflow found at 9:23 am. 2" of rainfall in a 3 hr period.

REMEDIAL MEASURES TO CORRECT, PREVENT OR MINIMIZE FUTURE OCCURANCES
Line was: Jet Rodded Nozzle Root Saw Lid Removed Lined Equipment Repair
Line will be: cleaned and TV'd for needed repair: Other: City continues work to correct I&I

WHERE DID DISCHARGE GO (Check all that apply)
Did flow run to surface water: Yes No Name of surface water: Emory Valley Creek
Ran on/in: Ground & absorbed into soil Ditch Storm Sewer
Basement Back-up No. of basements Use (i.e., commercial, residential)
Other (describe)

Notified Public: Yes No How: City Web Site The Oak Ridger Signs Posted Date:
Names of Responders: David Patterson, Richard Carroll
Report completed by David Patterson Title: Maintenance Superintendent Date: 6/28/11
Reviewed by Rich Lewis Title: Operations & Maint. Manager Date: 6/28/11

Initial TDEC Notification By: David Patterson Date: 6/24/11
After Review & Rich Lewis Title: Operations Manager Date: 6.29.11
Notification to TDEC
Final Review Rich Lewis Title: Public Works Director Date: 6/29/11
Final Report Transmitted to TDEC By: Rich Lewis Date: 6.29.11

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CITY OF OAK RIDGE

REPORT DATE: 6/24/2011

SANITARY SEWER OVERFLOW FINAL REPORT

NPDES PERMIT # TN0024155

LOCATION DATA

LOCATION: 695 Melton Lake Dr. ✓

1st Occurrence at this location? Y N

If No, Date of Last Occurrence: 4/28/2011 ✓

POINT OF OCCURANCE

Manhole Clean Out In-House Backup Lift Station Name: None or None or None

If Manhole; Give Mini-system # E20 ✓ Map Page # L-24 ✓ Manhole # L24-1 ✓ Force Main:

FLOW DATA

Start Date: 6/24/2011 Time: 9:17 AM PM End Date: 6/24/2011 Time: 12:36 AM PM

Duration 3hrs.19min. hours/minutes Est. Flow Rate: 200 gpm Estimated Total Flow: 39,800 gallons

CAUSES

(Check all that apply)

Rainfall [Estimated amount 2.08 in] Power Outage Equipment Failure

Broken Sewer Blocked line from Roots Grease Collapse Other

Explain causes of overflow: 2" of rainfall in a 3 hr period.

REMEDIAL MEASURES TO CORRECT, PREVENT OR MINIMIZE FUTURE OCCURANCES

Line was: Jet Rodded Nozzle Root Saw Lid Removed Lined Equipment Repair

Line will be: cleaned and TV'd for needed repair: Other: City continues work to correct I&I

WHERE DID DISCHARGE GO (Check all that apply)

Did flow run to surface water: Yes No Name of surface water: Melton Hill Lake

Ran on/in: Ground & absorbed into soil Ditch Storm Sewer

Basement Back-up No. of basements Use (i.e., commercial, residential)

Other (describe)

Notified Public: Yes No How: City Web Site The Oak Ridger Signs Posted Date:

Names of Responders: David Patterson Richard Carroll

Report completed by David Patterson Title: Maintenance Specialist Date: 6/28/11

Reviewed by Kirk Lawson Title: Operations & Maint. Manager Date: 6/28/11

Initial TDEC Notification By: David Patterson Date: 6/24/11

After Review & Kirk Lawson Title: Operations Manager Date: 6-29-11
Notification to TDEC

Final Review Ray Curden Title: Public Works Director Date: 6/29/11

Final Report Transmitted to TDEC By: [Signature] Date: 6.29.11



CITY OF OAK RIDGE

REPORT DATE: 6/24/2011

SANITARY SEWER OVERFLOW FINAL REPORT

NPDES PERMIT # TN0024155

LOCATION DATA

LOCATION: 470 Oak Ridge Turnpike

1st Occurrence at this location? Y N

If No, Date of Last Occurrence: 4/28/2011

POINT OF OCCURANCE

Manhole Clean Out In-House Backup Lift Station Name: None or None or None

If Manhole; Give Mini-system # E10 Map Page # F-20 Manhole # F20-25 Force Main:

FLOW DATA

Start Date: 6/24/2011 Time: ? AM PM End Date: 6/24/2011 Time: ? AM PM

Duration ? hours/minutes Est. Flow Rate: ? gpm Estimated Total Flow: 4,000 gallons

CAUSES

(Check all that apply)

Rainfall [Estimated amount 2.08 in] Power Outage Equipment Failure

Broken Sewer Blocked line from Roots Grease Collapse Other

Explain causes of overflow: Evidence of overflow found at 10:33 am. 2" of rainfall in a 3 hr. period.

REMEDIAL MEASURES TO CORRECT, PREVENT OR MINIMIZE FUTURE OCCURANCES

Line was: Jet Rodded Nozzle Root Saw Lid Removed Lined Equipment Repair

Line will be: cleaned and TV'd for needed repair: Other: City continues work to correct I&I.

WHERE DID DISCHARGE GO (Check all that apply)

Did flow run to surface water: Yes No Name of surface water: Tributary to Ernie's Creek

Ran on/in: Ground & absorbed into soil Ditch Storm Sewer

Basement Back-up No. of basements Use (i.e., commercial, residential)

Other (describe)

Notified Public: Yes No How: City Web Site The Oak Ridger Signs Posted Date:

Names of Responders: David Patterson, Richard Carroll

Report completed by David Patterson Title: Maintenance Specialist Date: 6/28/11

Reviewed by Kirk Lewis Title: Operations & Maint Manager Date: 6/28/11

Initial TDEC Notification By: David Patterson Date: 6/24/2011

After Review & David Patterson Title: Operations Manager Date: 6-29-11
Notification to TDEC

Final Review Kathy Stout Title: Public Works Director Date: 6/29/11

Final Report Transmitted to TDEC By: Kathy Stout Date: 6.29.11

FAXED
OF

LOCATION: Pumphouse Rd. / 1st Occurrence at this location? Y / N

If No, Date of Last Occurrence:

POINT OF OCCURANCE

Manhole Clean Out In-House Backup Lift Station Name: None or None or None

If Manhole; Give Mini-system # W26 Map Page # U-14 Manhole # U-10 Force Main:

FLOW DATA

Start Date: 6/24/2011 Time: ? AM PM End Date: 6/24/2011 Time: 12:20 AM PM

Duration 4hrs 20mins hours/minutes Est. Flow Rate: 50 gpm Estimated Total Flow: 13,000 gallons

CAUSES

(Check all that apply)

Rainfall [Estimated amount 2.08 in] Power Outage Equipment Failure

Broken Sewer Blocked line from Roots Grease Collapse Other

Explain causes of overflow: 8 am ,notified of power outage due to severe thunderstorm. 2" of rainfall in a 3 hr period. Power restored at 12:20 pm.

REMEDIAL MEASURES TO CORRECT, PREVENT OR MINIMIZE FUTURE OCCURANCES

Line was: Jet Rodded Nozzle Root Saw Lid Removed Lined Equipment Repair

Line will be: cleaned and TV'd for needed repair: Other:

WHERE DID DISCHARGE GO (Check all that apply)

Did flow run to surface water: Yes No Name of surface water: Melton Hill Lake ✓

Ran on/in: Ground & absorbed into soil Ditch Storm Sewer

Basement Back-up No. of basements Use (i.e., commercial, residential)

Other (describe)

Notified Public: Yes No How: City Web Site The Oak Ridger Signs Posted Date:

Names of Responders: David Patterson, Richard Carroll

Report completed by David Patterson Title: Maintenence Specialist Date: 6/28/11

Reviewed by Rick Brown Title: Operations & Maint. Manager Date: 6/28/11

Initial TDEC Notification By: David Patterson Date: 6/24/2011

After Review & Kathy Stout Title: Operations Manager Date: 5-29-11
Notification to TDEC

Final Review Greg Corder Title: Public Works Director Date: 6/29/11

Final Report Transmitted to TDEC By: [Signature] Date: 6.29.11

RECEIVED
CF

CITY OF OAK RIDGE

REPORT DATE: 6/24/2011

SANITARY SEWER OVERFLOW FINAL REPORT

NPDES PERMIT # TN0024155

LOCATION DATA

LOCATION: Pumphouse Rd.

1st Occurrence at this location? Y N

If No, Date of Last Occurrence:

POINT OF OCCURANCE

Manhole Clean Out In-House Backup Lift Station Name: None or None or None

If Manhole; Give Mini-system # W26 Map Page # U-14 Manhole # U-11 Force Main:

FLOW DATA

Start Date: 6/24/2011 Time: ? AM PM End Date: 6/24/2011 Time: 12:20 AM PM

Duration 4hrs 20mins hours/minutes Est. Flow Rate: 100 gpm Estimated Total Flow: 26,000 gallons

CAUSES

(Check all that apply)

Rainfall [Estimated amount 2.08 in] Power Outage Equipment Failure

Broken Sewer Blocked line from Roots Grease Collapse Other

Explain causes of overflow: 8 am notified of power outage due to sever thunderstorm. 2" of rainfall in a 3 hr period. Power restored at 12:20 pm.

REMEDIAL MEASURES TO CORRECT, PREVENT OR MINIMIZE FUTURE OCCURANCES

Line was: Jet Rodded Nozzle Root Saw Lid Removed Lined Equipment Repair

Line will be: cleaned and TV'd for needed repair: Other:

WHERE DID DISCHARGE GO (Check all that apply)

Did flow run to surface water: Yes No Name of surface water: Melton Hill Lake

Ran on/in: Ground & absorbed into soil Ditch Storm Sewer

Basement Back-up No. of basements Use (i.e., commercial, residential)

Other (describe)

Notified Public: Yes No How: City Web Site The Oak Ridger Signs Posted Date:

Names of Responders: David Patterson, Richard Carroll

Report completed by David Patterson Title: Maintenance Specialist Date: 6/28/11

Reviewed by Rich Brown Title: Operations & Maint. Manager Date: 6/28/11

Initial TDEC Notification By: David Patterson Date: 6/24/2011

After Review & Kathy Stout Title: Operations Manager Date: 6-29-11
Notification to TDEC

Final Review Wesley Cumber Title: Public Works Director Date: 6/29/11

Final Report Transmitted to TDEC By: Craig St. Date: 6.29.11

FAXED
CF

CITY OF OAK RIDGE

REPORT DATE: 6/24/2011

SANITARY SEWER OVERFLOW FINAL REPORT

NPDES PERMIT # TN0024155

LOCATION DATA

LOCATION: 117 N. Purdue Ave.

1st Occurrence at this location? Y N

If No, Date of Last Occurrence: 4/28/2011

POINT OF OCCURANCE

Manhole Clean Out In-House Backup Lift Station Name: None or None or None

If Manhole; Give Mini-system # W5A Map Page # G-15 Manhole # G15-13 Force Main:

FLOW DATA

Start Date: 6/24/2011 Time: ? AM PM End Date: 6/24/2011 Time: ? AM PM

Duration ? hours/minutes Est. Flow Rate: ? gpm Estimated Total Flow: 16,000 gallons

CAUSES

(Check all that apply)

Rainfall [Estimated amount 2.08 in] Power Outage Equipment Failure

Broken Sewer Blocked line from Roots Grease Collapse Other

Explain causes of overflow: Evidence of overflow found at 10:58 am. 2" of rainfall in a 3 hr. period.

REMEDIAL MEASURES TO CORRECT, PREVENT OR MINIMIZE FUTURE OCCURANCES

Line was: Jet Rodded Nozzle Root Saw Lid Removed Lined Equipment Repair

Line will be: cleaned and TV'd for needed repair: Other: City continues work to correct I&I

WHERE DID DISCHARGE GO (Check all that apply)

Did flow run to surface water: Yes No Name of surface water: Tributary to Melton Hill Lake

Ran on/in: Ground & absorbed into soil Ditch Storm Sewer

Basement Back-up No. of basements Use (i.e., commercial, residential)

Other (describe)

Notified Public: Yes No How: City Web Site The Oak Ridger Signs Posted Date:

Names of Responders: David Patterson, Richard Carroll

Report completed by David Patterson Title: Maintenance Specialist Date: 6/23/11

Reviewed by Rick Lewis Title: Operations & Maint. Manager Date: 6/28/11

Initial TDEC Notification By: David Patterson Date: 6/24/2011

After Review & Kath Perkins Title: Operations Manager Date: 6-29-11
Notification to TDEC

Final Review Ms. Corder Title: Public Works Director Date: 6/29/11

Final Report Transmitted to TDEC By: [Signature] Date: 6.29.11

FAXED OF