

# City of Elkins

## Semi-Annual

# CSO Summary Report

### NPDES Permit No. WV0020028

#### Report Certification:

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

X



Signature of Authorized Representative

X

10/10/2024

Date

X

Whitney L. Hymes

Printed Name of Authorized Representative

X

Wastewater Superintendent / Chief Operator

Title of Authorized Representative

X



Signature of Preparer

X

10/10/2024

Date

X

Joseph Johnson

Printed Name of Preparer

X

CSOTech

Title of Preparer

**Attachment A  
CSO Summary Report**

**CSO Community: City of Elkins  
Reporting Period: 2nd Quarter of 2024 3rd Quarter of 2024  
Prepared By: Joseph Johnson  
Date Submitted: 10/10/2024**

**Comments on Nine Minimum Controls activity during the past reporting period**

**1) O&M Plan- Line maintenance included: Cleaned 10 main lines for approximately 2265ft repaired 7 sewer mains replaced 110ft of sewer main. Cleaned/unplugged 13 sewer taps around 624ft, installed 3 new taps repaired 4 sewer taps. Lift station maintenance included routine inspections, cleaning floats, and trash baskets. Unplugged pumps, had pumps rebuilt, repaired pump guide rails, cleaned wet wells. Performed maintenance and repair of generators. Maintained buildings and grounds, and maintained lift station access roads. Collection system personnel responded to various complaints, worked 8 call-outs, responded to 2 locate requests, and 8 emergency locates and maintained equipment. Assisted other departments and outside agencies on occasion. Safety meetings continue. CSO maintenance included inspecting outfalls, duckbills and flappers, and regulators, maintaining and downloading flow meters and rain gauges, and removing debris and trimming weeds at outfalls. Removed debris from regulator manholes. Maintained screening devices at two outfalls.**

**2) Maximize storage in collection system- Activities to maximize storage for the report period involved maintaining existing equipment and operations through inspections and repair of lift stations, line cleaning and repair, inspections of CSO structures such as regulators to detect any blockages, and backflow preventers for proper operation, and maintaining repair/service equipment and inventory.**

**3) Review and modification of pretreatment requirements- Inspection of grease traps and oil/water separators continue.**

**4) Maximization of flow to POTW for treatment- See #1 above for ongoing activities: Inspection and maintenance of the collection system and CSOs. Maintain flow meters. Review flow meter and rain gauge data to determine there were no prolonged or unnecessary discharges.**

**5) Elimination of CSO dry weather events- See #1 above: line cleaning and repair, lift station inspections, maintenance and repair, inspecting regulators, CSO inspections.**

**6) Control of solids and floatable materials- Trash baskets at lift stations, catch basins cleaning, garbage collection, regularly scheduled street sweeping, trash containers located throughout the downtown area and parks, voluntary community recycling. Baffle and trash basket on overflow pipe for outfall #020. Rip-rap at outfalls. Fall leaf pick-up. Debris screens on Outfall #004 and #005. Yard waste recycling program and glass recycling.**

**7) Pollution prevention- See #1&6. Pamphlets and other information are available to the public at City Hall. Informational literature on the city's web site.**

**8) Public notification- Signs at outfalls and at river access points. Reports, pamphlets and other information are available to the public at City Hall. Annual legal notice was published in the second quarter of 2024 and will be published again in the second quarter of 2025. Informational literature on the city's web site.**

**9) Monitoring to characterize CSO impacts- Visually inspect CSOs and observe the conditions and appearance of the river and surrounding area near the outfalls for any adverse conditions and remove any debris as necessary. Utilize two rain gauges as well as flow meters on all fourteen of the outfalls. Review flow meter and rain data to determine frequency of discharges and that there were no prolonged or unnecessary discharges.**

**Wet Weather Events**

10) Number of CSO wet weather events that occurred during the last reporting period-24

11) Estimated duration of CSO discharge (gallons or time)- Duration for the period was a total of 1555hrs and 22 min. However, flow was intermittent over that period. Total flow from the CSOs is estimated at 34,796,998.1 gallons. Duration and flow is recorded on fourteen flow meters. Total precipitation for the reporting period was 25.46" inches.

12) Number of CSO wet weather events YTD- There have been 39 wet weather events in the 1<sup>st</sup> quarter 2<sup>nd</sup> quarter and 3<sup>rd</sup> quarter of 2024.

**Dry Weather Events**

13) Number of CSO dry weather events that occurred during the last reporting period-3

14) Date(s) of dry weather event(s)4/10,8/24,9/11

15) Cause(s) of the discharge(s) Pump B was being changed out and Pump A was blocked with grit resulting in inadequate pumping and not allowing wet well to be pumped out at efficient rate to prevent discharge. Float switches at lift station failed. Water Department flushed hydrant.

16) Summarize actions taken to flush, recover or treat residual material- Picked up rages. Used Vacter truck to clean lines and clean grit out of pipes. Use truck to suck up residual material in river. Changed floats.

17) Corrective action taken to prevent re-occurrence-. Clean lift stations. Check floats and clean them. Water Department check flow as to not over whelm the sewer pipes.

18) Number of CSO dry weather events occurred YTD-5

19) How are CSO outfall discharges determined during the weekends? Outfalls which may pose a concern for DWOs are inspected during dry weather by Wastewater Dept. personnel. Also, flow meters are located at fourteen outfalls, as a means of determining if a discharge has occurred.

20) In what ways is I/I being eliminated? i.e. elimination of roof drains, manhole rehabilitation, etc. Maintenance of sewer & storm lines, inspection of outfall structures.

21) In what ways are solids and floatable material being controlled? i.e. cleaning of streets, cleaning of catch basins, trash racks, outfall booms, etc. See #6 above.

22) Do all CSO outfalls have posted warning signs? Yes

23) Has there been any change in the Operation and Maintenance Program? i.e. change in inspection/repair records, equipment list, procedures/letters, drawings, personnel, etc. Micheal Kane was hired as new CSO Tech Joseph Johnson went back to sewer operator. Jeff Rosier left collections and went to Street Department. Gary Hartley was terminated from collections. Michael Kane left CSO Tech and went to collections. Joseph Johnson took over CSO Tech. Mike Mallow was hired to collections. Michael Kane left collections and went to Water Distribution. Sean Arbogast was hired on to collections. Jasmine Mallow was hired on as Waste Water Administration Assistant for Sewer plant and collections.

**24) Summarize the status of the following project work activities.**

**Water Quality Study: Completed Phase 2 post construction monitoring report for dry and wet weather.**

**Long Term Control Plan: City and their engineers sent in new LTCP which includes a phase 3 separation project in addition to other upgrades to the wastewater collection system and treatment plant. Submitted revised LTCP to USEPA for review and comments. Legal counsel and the EPA are still going over it for approval.**

**25) Has annual newspaper notification been published? The 2024 ad was published in the second quarter of 2024 and the 2025 ad will be published in the second quarter of 2025.**

**26) Are there CSO pamphlets available for distribution to the public? Yes. Located at City Hall.**

**Provide copies of inspection forms for inspecting CSO discharges. Information on forms should include:**

- 1) Name of inspector**
- 2) Time and date of inspection**
- 3) Outfall No.(s)**
- 4) Comment about whether discharging or not**
- 5) Estimated starting and stopping times of discharge**
- 6) Estimated total volume (time) of material discharge**
- 7) Estimated rainfall for previous 24 hours**
- 8) Submit copy of any submitted 24 hour spill report**

**CITY OF ELKINS**  
**Permit # WV0020028**  
**Monthly CSO Inspection/Discharge Report**  
**April 2024**

Outfall #	Location	Receiving Stream	Inspection Date/Time	Backflow Device	Signs	Regulator	General Comments	Discharge Y/N	W/D	Cause	Est. Amt.	Precipitation		Stop Date	Estimated Start Date/Time	Discharge Estimated Stop Date/Time	Est. Duration Hrs/Min	Est. Flow GPM	Est. Total Flow	Comments or Corrective Action	Operator
												Start	Date								
002	Barren Ave.	Tygart Valley River	4/2/2024 12:15PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	R/S	3.17	4/1/24	4/6/24	4/2/24 12:15PM	4/3/24 11:15AM	10:15	299.36	184106.40	Data from flow meter	MK	
			4/4/2024 7:15AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	R/S	3.17	4/1/24	04/06/24	4/4/24 7:15AM	4/5/24 4:30AM	15:30	116.27	108131.10	Data from flow meter	MK	
			4/10/24 8:15AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	D					4/10/24 8:15AM	4/10/24 8:30AM	0:15	508.54	7828.10	Data from flow meter	JJ	
			4/12/2024 2:45AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	1.58	4/11/24	4/13/24	4/12/2024 2:45AM	4/13/24 10:30AM	16:00	281.64	251174.40	Data from flow meter	MK	
003	Cherokee Street	Tygart Valley River	4/17/2024 10:45PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	0.41	4/16/24	4/18/24	4/17/24 10:45PM	4/17/24 10:45PM	0:15	98.25	7368.75	Data from flow meter	MK	
			4/3/2024 1:45AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	R/S	3.17	4/1/24	4/6/24	4/3/24 1:45AM	4/3/24 5:15PM	2:45	250.3	41299.50	Data from flow meter	MK	
			4/2/2024 2:30AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	R/S	3.17	4/1/24	04/06/24	4/2/24 2:30AM	4/7/24 8:00AM	9:45	392.48	2137053.60	Data from flow meter	MK	
004	Henry Ave.	Tygart Valley River	4/11/2024 9:00PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	1.58	4/11/24	4/13/24	4/11/24 9:00PM	4/14/24 4:00AM	48:30	404.6	1177386.00	Data from flow meter	MK	
			4/17/2024 10:00PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	0.41	4/16/24	4/18/24	4/17/24 10:00PM	4/18/24 6:00AM	66:00	443.55	73185.75	Data from flow meter	MK	
			4/24/2024 4:30AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	0.15	4/24/24	4/24/24	4/24/24 4:30AM	4/24/24 5:00AM	0:30	335.2	10056.00	Data from flow meter	MK	
			4/1/2024 11:30AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	R/S	3.17	4/1/24	04/06/24	4/1/24 11:30AM	4/1/24 11:30AM	0:15	191.48	191.48	Data from flow meter	MK	
005	Kerens Ave.	Tygart Valley River	4/2/2024 11:15AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	R/S	3.17	4/1/24	4/6/24	4/2/24 11:15AM	4/6/24 5:30AM	76:00	597.29	2723642.40	Data from flow meter	MK	
			4/11/2024 9:00PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	1.58	4/11/24	4/18/24	4/11/24 9:00PM	4/18/24 1:15AM	44:30	420.3	1122387.92	Data from flow meter	MK	
			4/17/2024 10:00PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	0.41	4/16/24	4/18/24	4/17/24 10:00PM	4/18/24 1:15AM	2:25	427.09	57657.15	Data from flow meter	MK	
			4/24/2024 4:45AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	0.15	4/24/24	04/24/24	4/24/24 4:45AM	4/24/24 5:00AM	0:15	595.01	8025.15	Data from flow meter	MK	
006	Davis Ave.	Tygart Valley River	4/2/2024 2:00AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	R/S	3.17	4/1/24	04/06/24	4/2/24 2:00AM	4/4/24 6:00PM	2:11:15	230.85	294333.75	Data from flow meter	MK	
			4/12/2024 2:00AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	1.58	4/11/24	4/13/24	4/12/24 2:00AM	4/12/24 9:15PM	1:15	32.57	2442.75	Data from flow meter	MK	
			4/17/2024 10:15PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	0.41	4/16/24	4/18/24	4/17/24 10:15PM	4/18/24 12:30AM	0:30	94.83	2844.90	Data from flow meter	MK	
			4/3/2024 1:45AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	R/S	3.17	4/1/24	4/6/24	4/3/24 1:45AM	4/3/24 8:45PM	6:15	190.8	71550.00	Data from flow meter	MK	
007	R. R. Ave./1st. Street	Tygart Valley River	4/2/2024 12:00PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	R/S	3.17	4/1/24	4/6/24	4/2/24 12:00PM	4/6/24 4:15PM	31:00	1996.06	3712671.60	Data from flow meter	MK	
			4/12/2024 2:00AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	1.58	4/11/24	04/13/24	4/12/24 2:00AM	4/13/24 10:45 AM	19:45	238.76	282930.60	Data from flow meter	MK	
			4/17/2024 10:15PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	0.41	4/16/24	4/18/24	4/17/24 10:15PM	4/18/24 12:45AM	0:45	606.23	27280.35	Data from flow meter	MK	
			4/2/2024 12:15PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	R/S	3.17	4/1/24	4/6/24	4/2/2024 12:15PM	4/3/24 8:15PM	25:30	15.82	24204.60	Data from flow meter	MK	
008	Worth Ave.	Tygart Valley River	4/4/2024 6:00PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	R/S	3.17	4/1/24	04/06/24	4/4/24 6:00PM	4/6/24 5:15PM	3:30	58.55	12285.50	Data from flow meter	MK	
			4/12/2024 3:00AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	1.58	4/11/24	4/13/24	4/12/24 3:00AM	4/13/24 1:00AM	16:00	21.73	20860.80	Data from flow meter	MK	
			4/2/2024 11:45AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	R/S	3.17	4/1/24	4/6/24	4/2/24 11:45AM	4/6/24 8:30AM	61:45	187.08	580883.40	Data from flow meter	MK	
			4/11/2024 11:30 AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	1.58	4/11/24	04/13/24	4/11/24 11:30AM	4/14/24 7:15PM	22:00	293.08	368865.60	Data from flow meter	MK	
009	Lower Pleasant Run	Cravens Run	4/17/2024 10:15PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	0.41	4/16/24	4/18/24	4/17/24 10:15PM	4/18/24 12:45AM	1:00	25.06	1503.60	Data from flow meter	MK	
			4/2/2024 11:45AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	R/S	3.17	4/1/24	4/6/24	4/2/24 11:45AM	4/7/2024 5:45AM	78:15	211.75	994166.25	Data from flow meter	MK	
			4/12/2024 2:15AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	1.58	4/11/24	04/13/24	4/12/24 2:15AM	4/14/24 5:45 AM	48:15	115.07	333127.65	Data from flow meter	MK	
			4/17/2024 10:15PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	0.41	4/16/24	4/18/24	4/17/24 10:15PM	4/18/24 12:45AM	0:45	236.15	10626.75	Data from flow meter	MK	
010	S. Henry Ave.	Tygart Valley River	4/2/2024 12:00PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	R/S	3.17	4/1/24	4/6/24	4/2/24 12:00PM	4/3/2024 3:30PM	13:45	300.01	247508.25	Data from flow meter	MK	
			4/5/2024 3:30AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	R/S	3.17	4/1/24	04/06/24	4/5/24 3:30AM	4/5/24 11:00AM	3:30	2.51	527.10	Data from flow meter	MK	
			4/12/2024 10:15PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	1.58	4/11/24	4/13/24	4/12/24 10:15PM	4/14/24 8:00AM	20:15	32.32	392868.80	Data from flow meter	MK	
			4/17/2024 10:45PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	0.41	4/16/24	4/18/24	4/17/24 10:45PM	4/17/24 10:45PM	0:15	2.2	34.50	Data from flow meter	MK	
020	Flood Control Road	Tygart Valley River	4/2/2024 12:15PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	R/S	3.17	4/1/24	4/6/24	4/2/24 12:15PM	4/3/2024 11:45AM	10:30	293.22	184728.60	Data from flow meter	MK	
			4/4/2024 6:15AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	1.58	4/1/24	04/06/24	4/4/24 6:15AM	4/6/24 4:30AM	15:45	115.53	109175.85	Data from flow meter	MK	
			4/12/2024 11:00AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	1.58	4/11/24	4/13/24	4/12/24 11:00AM	4/13/24 6:30PM	19:15	157.88	182351.40	Data from flow meter	MK	
			4/12/2024 11:00AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	1.58	4/11/24	4/13/24	4/12/24 11:00AM	4/13/24 6:30PM	19:15	157.88	182351.40	Data from flow meter	MK	

<b>Monthly Precipitation</b>																				
5.37																				
<b>Total Estimated Monthly Discharge</b>																				
15431476.30																				
<b>Events Summary</b>																				
Wet Weather Events: 4 Dates: 4/1-4/6,4/11-4/13,4/16-4/18,4/24																				
Dry Weather Events: 1 Dates: 4/10																				
Total Events: 5																				



007	R.R. Ave./1st. Street	Tygart Valley River	5/3/2024 2:45PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	0.89	5/3/24	5/7/24	5/3/24 2:45PM	5/3/24 2:45PM	5/3/24 2:45PM	0:15	33.33	33.33	Data from flow meter	MK
008	Worth Ave.	Tygart Valley River	5/3/2024 2:45PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	0.89	5/3/24	5/7/24	5/3/24 2:45PM	5/3/24 2:45PM	5/3/24 4:30PM	0:45	1078.44	48529.80	Data from flow meter	MK
			5/5/2024 8:15AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	0.89	5/3/24	05/07/24	5/11/24 2:15PM	5/11/24 2:15PM	5/11/24 3:15 AM	0:15	7.22	108.30	Data from flow meter	MK
			5/9/2024 10:00PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	1.17	5/9/24	5/12/24	5/11/24 10:00PM	5/11/24 10:00PM	5/11/24 10:45PM	0:45	471.37	21211.65	Data from flow meter	MK
			5/11/2024 2:15PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	1.17	5/9/24	5/12/24	5/11/24 2:15PM	5/11/24 2:15PM	5/11/24 3:15 AM	0:45	768.84	34597.80	Data from flow meter	MK
			5/17/2024 2:00PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	1.03	5/15/24	5/19/24	5/17/24 2:00 PM	5/17/24 2:00 PM	5/18/24 4:00 AM	4:00	929.03	222967.20	Data from flow meter	JJ
			5/24/2024 8:00AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	2.46	5/23/24	05/30/24	5/24/24 8:00 AM	5/24/24 8:00 AM	5/24/24 10:45 AM	2:45	1166.38	192452.70	Data from flow meter	JJ
			5/26/2024 12:00AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	2.46	5/23/24	05/30/24	5/26/24 12:00 AM	5/26/24 12:00 AM	5/26/24 12:00 AM	0:01	601.66	601.66	Data from flow meter	JJ
			5/26/24 6:30 PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	2.46	5/23/24	5/30/24	5/26/24 6:30 PM	5/26/24 6:30 PM	5/27/24 6:30 AM	0:45	680.53	30623.85	Data from flow meter	JJ
			5/29/2024 1:45PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	2.46	5/23/24	05/30/24	5/29/24 1:45 PM	5/29/24 1:45 PM	5/29/24 6:00 PM	4:15	788.07	200957.85	Data from flow meter	JJ
			009	Lower Pleasant Ave.	Cravens Run													
011	Mt. View Dr.	Tygart Valley River	5/11/2024 3:45PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	1.17	5/9/24	5/12/24	5/11/24 3:45PM	5/11/24 3:45PM	5/11/24 3:45PM	0:01	0.61	0.61	Data from flow meter	MK
			5/18/2024 1:00AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	1.03	5/15/24	05/19/24	5/18/24 1:00 AM	5/18/24 1:00 AM	5/18/24 7:30 AM	6:15	38.32	14370.00	Data from flow meter	JJ
			5/24/2024 8:30AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	2.46	5/23/24	5/30/24	5/24/24 8:30 AM	5/24/24 8:30 AM	5/24/24 1:30 PM	4:30	45.06	12166.20	Data from flow meter	JJ
			5/29/2024 3:00PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	2.46	5/23/24	5/30/24	5/29/24 3:00 PM	5/29/24 3:00 PM	5/29/24 7:30 PM	4:15	20.18	5145.90	Data from flow meter	JJ
016	R.R. Ave./10th. Street	Tygart Valley River																
017	S. Davis Ave.	Tygart Valley River	5/9/2024 2:45PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	0.89	5/9/24	5/7/24	5/3/24 2:45PM	5/3/24 2:45PM	5/3/24 5:00PM	2:15	1051.35	141932.25	Data from flow meter	MK
			5/9/2024 6:15AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	1.17	5/9/24	05/12/24	5/9/24 6:15AM	5/9/24 6:15AM	5/9/24 8:00AM	0:45	175.79	7910.55	Data from flow meter	MK
			5/9/2024 10:00PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	1.17	5/9/24	5/12/24	5/9/24 10:00PM	5/9/24 10:00PM	5/10/24 1:45AM	2:00	312.7	37524.00	Data from flow meter	MK
			5/11/2024 2:15PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	1.17	5/9/24	5/12/24	5/11/24 2:15PM	5/11/24 2:15PM	5/13/24 4:00AM	32:15	26.81	51490.35	Data from flow meter	MK
			5/15/2024 6:00PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	1.03	5/15/24	05/19/24	5/15/24 6:00 PM	5/15/24 6:00 PM	5/18/24 10:15 AM	27:45	558.49	929885.85	Data from flow meter	JJ
			5/18/2024 10:45PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	1.03	5/15/24	05/19/24	5/18/24 10:45 PM	5/18/24 10:45 PM	5/19/24 3:30 AM	4:15	2.24	571.20	Data from flow meter	JJ
			5/24/2024 8:00AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	2.46	5/23/24	5/30/24	5/24/24 8:00 AM	5/24/24 8:00 AM	5/24/24 12:30 PM	3:15	763.83	148846.85	Data from flow meter	JJ
			5/25/2024 11:45PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	2.46	5/23/24	05/30/24	5/25/24 11:45 PM	5/25/24 11:45 PM	5/26/24 12:30 AM	0:30	594.03	17820.90	Data from flow meter	JJ
			5/26/2024 1:30PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	2.46	5/23/24	05/30/24	5/26/24 1:30 PM	5/26/24 1:30 PM	5/26/24 7:15 PM	4:15	128.82	32849.10	Data from flow meter	JJ
			5/29/24 1:45 PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	0.89	5/3/24	05/30/24	5/29/24 1:45 PM	5/29/24 1:45 PM	5/29/24 4:45 PM	2:15	321.2	43362.00	Data from flow meter	JJ
018	S. Kerrens Ave.	Tygart Valley River	5/9/2024 7:45AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	1.17	5/9/24	5/7/24	5/3/24 2:45PM	5/3/24 2:45PM	5/9/24 7:45AM	0:01	161.60	161.60	Data from flow meter	MK
			5/9/2024 10:00PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	1.17	5/9/24	5/12/24	5/9/24 10:00PM	5/9/24 10:00PM	5/9/24 10:45PM	0:45	140.69	6331.05	Data from flow meter	MK
			5/11/2024 2:15PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	1.17	5/9/24	5/12/24	5/11/24 2:15PM	5/11/24 2:15PM	5/11/24 3:15 PM	0:30	236.29	7088.70	Data from flow meter	MK
			5/17/2024 2:00PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	1.03	5/15/24	05/19/24	5/17/24 2:00 PM	5/17/24 2:00 PM	5/18/24 5:45 AM	6:00	203.08	73108.80	Data from flow meter	JJ
			5/24/2024 8:00AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	2.46	5/23/24	05/30/24	5/24/24 8:00 AM	5/24/24 8:00 AM	5/24/24 10:30 AM	2:30	313.95	47092.50	Data from flow meter	JJ
			5/25/2024 11:45PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	2.46	5/23/24	5/30/24	5/25/24 11:45 PM	5/25/24 11:45 PM	5/26/24 12:15 AM	0:30	126.2	3786.00	Data from flow meter	JJ
			5/26/2024 6:30PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	2.46	5/23/24	05/30/24	5/26/24 6:30 PM	5/26/24 6:30 PM	5/26/24 6:45 PM	0:15	269.61	4044.15	Data from flow meter	JJ
			5/29/2024 2:45PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	2.46	5/23/24	05/30/24	5/29/24 2:45 PM	5/29/24 2:45 PM	5/29/24 3:45 PM	0:30	161.17	4895.10	Data from flow meter	JJ
			5/11/2024 3:30PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	1.17	5/9/24	5/12/24	5/11/24 3:30 PM	5/11/24 3:30 PM	5/11/24 3:30 PM	0:01	0.62	0.62	Data from flow meter	MK
			5/18/2024 2:30AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	1.03	5/15/24	05/19/24	5/18/24 2:30 AM	5/18/24 2:30 AM	5/18/24 4:45 AM	2:15	268.48	36244.80	Data from flow meter	JJ
5/24/2024 8:30AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	2.46	5/23/24	5/30/24	5/24/24 8:30 AM	5/24/24 8:30 AM	5/24/24 12:15 PM	3:45	292.67	65550.75	Data from flow meter	JJ			
5/29/2024 4:00PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	2.46	5/23/24	5/30/24	5/29/24 4:00 PM	5/29/24 4:00 PM	5/29/24 4:15 PM	0:15	2.41	36.15	Data from flow meter	JJ			

**Monthly Precipitation** 5.77

**Total Estimated Monthly Discharge** 5004287.19

**Wet Weather Events:** 5 **Dates:** 5/3-5/7,5/9-5/12,5/14,5/15-5/19,5/23-5/30

**Dry Weather Events:** 0 **Dates:**

**Total Events:** 5



**CITY OF ELKINS**  
**Permit # WV0020028**  
**Monthly CSO Inspection/Discharge Report**  
**June 2024**

Outfall #	Location	Receiving Stream	Inspection Date/Time	Backflow Device	Signs	Regulator	General Comments	Discharge Y/N	W/D	Cause	Precipitation		Discharge		Est. Total Flow	Comments or Corrective Action	Operator	
											Est. Amt.	Start Date	Stop Date	Estimated Start Date/Time				Estimated Stop Date/Time
002	Barron Ave.	Tygart Valley River	6/6/2024 3:45AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	0.60	6/5/24	6/6/24	6/6/24 3:45 AM	6/6/24 5:30 AM	32071.20	Data from flow meter	JJ
			6/17/2024 12:00PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	0.2	6/17/24	06/18/24	6/17/24 12:00 PM	6/17/24 12:30 PM	18686.40	Data from flow meter	JJ
			6/23/2024 9:30PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	0.66	6/23/24	6/24/24	6/23/24 9:30 PM	6/23/24 11:00 PM	56979.00	Data from flow meter	JJ
			6/23/2024 9:30PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	0.66	6/23/24	6/24/24	6/23/24 9:30 PM	6/23/24 9:30 PM	385.60	Data from flow meter	JJ
003	Cherokee Street	Tygart Valley River																
			6/5/2024 10:30AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	0.6	6/5/24	06/06/24	6/5/24 10:30 AM	6/5/24 12:45 PM	5849.40	Data from flow meter	JJ
			6/6/24 3:15AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	0.60	6/5/24	6/6/24	6/6/24 3:15 AM	6/6/24 5:15 AM	41203.20	Data from flow meter	JJ
			6/17/2024 11:45PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	0.2	6/17/24	6/18/24	6/17/24 11:45 AM	6/17/24 12:30 PM	22107.15	Data from flow meter	JJ
004	Henry Ave.	Tygart Valley River	6/19/2024 1:00PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	0.66	6/23/24	6/24/24	6/19/24 1:00 PM	6/19/24 1:45 PM	92910.75	NOT A FLOW	JJ
			6/23/2024 9:15PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	0.24	6/26/24	06/27/24	6/23/24 9:15 PM	6/24/24 12:30 AM	55738.80	Data from flow meter	JJ
			6/26/2024 5:46PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	0.23	6/29/24	06/30/24	6/26/24 5:45 PM	6/26/24 6:30 PM	7937.10	Data from flow meter	JJ
			6/30/2024 1:45AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	0.6	6/5/24	06/06/24	6/30/24 1:45 AM	6/30/24 9:00 AM	26191.20	Data from flow meter	JJ
005	Kerens Ave.	Tygart Valley River	6/5/2024 12:30PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	0.60	6/5/24	6/6/24	6/5/24 12:30 PM	6/5/24 12:45 PM	3801.30	Data from flow meter	JJ
			6/6/2024 3:30AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	0.60	6/5/24	6/6/24	6/6/24 3:30 AM	6/6/24 5:00 AM	55197.90	Data from flow meter	JJ
			6/17/2024 11:45AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	0.2	6/17/24	6/18/24	6/17/24 11:45 AM	6/17/24 12:30 PM	32641.65	Data from flow meter	JJ
			6/22/2024 6:15PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	0.66	6/23/24	06/24/24	6/22/24 6:15 PM	6/22/24 8:45 PM	3253.80	NOT A FLOW	JJ
006	Davis Ave.	Tygart Valley River	6/23/2024 6:00PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	0.24	6/26/24	06/27/24	6/23/24 6:00 PM	6/26/24 12:15 AM	49557.60	Data from flow meter	JJ
			6/26/2024 9:15PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	0.23	6/29/24	6/30/24	6/26/24 6:00 PM	6/26/24 6:30 PM	5457.00	Data from flow meter	JJ
			6/30/2024 1:45AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	0.6	6/5/24	06/06/24	6/30/24 1:45 AM	6/30/24 9:00 AM	32217.15	Data from flow meter	JJ
			6/6/2024 3:15AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	0.2	6/17/24	6/18/24	6/6/24 3:15 AM	6/6/24 4:15 AM	5625.90	Data from flow meter	JJ
007	R. R. Ave./1st. Street	Tygart Valley River	6/17/2024 11:45AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	0.66	6/23/24	6/24/24	6/17/24 11:45 AM	6/17/24 11:45 AM	1133.78	Data from flow meter	JJ
			6/23/2024 9:15PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	0.66	6/23/24	6/24/24	6/23/24 9:15 PM	6/23/24 9:30 PM	13321.95	Data from flow meter	JJ
			6/30/2024 7:30AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	0.23	6/29/24	06/30/24	6/30/24 7:30 AM	6/30/24 7:30 AM	11.02	Data from flow meter	JJ
			6/23/2024 9:15PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	0.66	6/23/24	6/24/24	6/23/24 9:15 PM	6/23/24 9:30 PM	2382.45	Data from flow meter	JJ
008	Worth Ave.	Tygart Valley River	6/6/2024 3:30AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	0.60	6/5/24	6/6/24	6/6/24 3:30 AM	6/6/24 4:30 AM	24219.90	Data from flow meter	JJ
			6/17/2024 12:00PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	0.2	6/17/24	06/18/24	6/17/24 12:00 PM	6/17/24 12:00 PM	39.00	Data from flow meter	JJ
			6/23/2024 9:15PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	0.66	6/23/24	6/24/24	6/23/24 9:15 PM	6/24/24 12:15 AM	103240.20	Data from flow meter	JJ
			6/26/2024 6:30PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	0.24	6/26/24	6/27/24	6/26/24 6:30 PM	6/26/24 6:30 PM	73.64	Data from flow meter	JJ
			6/30/2024 7:30AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	0.23	6/29/24	6/30/24	6/30/24 7:30 AM	6/30/24 9:15 AM	21844.50	Data from flow meter	JJ





**CITY OF ELKINS**  
**Permit # WV0020028**  
**Monthly CSO Inspection/Discharge Report**  
**July 2024**

Outfall #	Location	Receiving Stream	Inspection Date/Time	Backflow Device	Signs	Regulator	General Comments	Discharge Y/N	W/D	Cause	Precipitation		Estimated Stop Date/Time	Discharge		Est. Duration Hrs/Min	Est. Flow GPM	Est. Total Flow	Comments or Corrective Action	Operator
											Start Date	Stop Date		Estimated Start Date/Time	Estimated Stop Date/Time					
002	Barron Ave.	Tygart Valley River	7/4/2024 12:00PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	0.63	7/4/24	7/5/24	7/4/24 12:00 PM	7/4/24 12:15 PM	0:15	522.55	7836.25	Data from flow meter	JJ
			7/18/2024 1:45PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	0.94	7/16/24	07/19/24	7/18/24 1:45 PM	7/18/24 2:30 PM	0:45	649.27	29217.15	Data from flow meter	JJ
			7/22/2024 5:00PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	1.71	7/22/24	7/25/24	7/22/24 5:00 PM	7/22/24 7:15 PM	2:15	718.57	97006.95	Data from flow meter	JJ
			7/25/2024 9:30AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	1.71	7/22/24	7/25/24	7/25/24 9:30 AM	7/25/24 9:30 AM	0:01	40.11	40.11	Data from flow meter	JJ
003	Cherokee Street	Tygart Valley River	7/4/2024 11:45AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	0.63	7/4/24	7/5/24	7/4/24 11:45 AM	7/4/24 12:00 PM	0:15	116.58	1748.70	Data from flow meter	JJ
			7/18/2024 1:45PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	0.94	7/16/24	07/19/24	7/18/24 1:45 PM	7/18/24 1:45 PM	0:01	973.32	973.32	Data from flow meter	JJ
			7/22/2024 5:00PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	1.71	7/22/24	7/25/24	7/22/24 5:00 PM	7/22/24 6:15 PM	0:45	308.36	13876.20	Data from flow meter	JJ
			7/4/2024 11:45AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	0.63	7/4/24	07/05/24	7/4/24 11:45 AM	7/4/24 5:30 PM	2:00	457.32	54878.40	Data from flow meter	JJ
004	Henry Ave.	Tygart Valley River	7/16/2024 4:45PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	0.94	7/16/24	7/19/24	7/16/24 4:45 PM	7/16/24 5:30 PM	0:45	392.56	17665.20	Data from flow meter	JJ
			7/18/2024 1:45PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	0.94	7/16/24	7/19/24	7/18/24 1:45 PM	7/18/24 2:45 PM	1:00	386.99	23219.40	Data from flow meter	JJ
			7/22/2024 1:45PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	1.71	7/22/24	7/25/24	7/22/24 1:45 PM	7/22/24 9:30 PM	6:00	439.88	168356.80	Data from flow meter	JJ
			7/25/2024 9:15AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	1.71	7/22/24	07/25/24	7/25/24 9:15 AM	7/25/24 10:15 AM	1:00	532.37	31942.20	Data from flow meter	JJ
005	Kerens Ave.	Tygart Valley River	7/4/2024 11:45AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	0.63	7/4/24	07/05/24	7/4/24 11:45 AM	7/4/24 5:30 PM	2:45	1077.17	177733.05	Data from flow meter	JJ
			7/16/2024 5:00PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	0.94	7/16/24	7/19/24	7/16/24 5:00 PM	7/16/24 5:30 PM	0:30	423.49	12704.70	Data from flow meter	JJ
			7/18/2024 1:45PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	0.94	7/16/24	7/19/24	7/18/24 1:45 PM	7/18/24 2:30 PM	0:45	395.71	17806.95	Data from flow meter	JJ
			7/4/2024 11:45AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	0.63	7/4/24	07/05/24	7/4/24 11:45 AM	7/4/24 5:00 PM	0:30	409.29	12278.70	Data from flow meter	JJ
006	Davis Ave.	Tygart Valley River	7/16/2024 4:45PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	0.94	7/16/24	7/19/24	7/16/24 4:45 PM	7/16/24 4:45 PM	0:01	21.8	21.80	Data from flow meter	JJ
			7/18/2024 1:30PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	0.94	7/16/24	7/19/24	7/18/24 1:30 PM	7/18/24 1:45 PM	0:15	246.17	3692.55	Data from flow meter	JJ
			7/22/2024 1:30PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	1.71	7/22/24	07/25/24	7/22/24 1:30 PM	7/22/24 6:30 PM	2:15	474.15	64010.25	Data from flow meter	JJ
			7/25/2024 9:15AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	1.71	7/22/24	07/25/24	7/25/24 9:15 AM	7/25/24 9:15 AM	0:01	732.58	732.58	Data from flow meter	JJ
007	R.R. Ave./1st. Street	Tygart Valley River	7/4/2024 11:45AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	0.63	7/4/24	7/5/24	7/4/24 11:45 AM	7/4/24 11:45 AM	0:01	637.59	637.59	Data from flow meter	JJ
			7/18/2024 1:45PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	0.94	7/16/24	07/19/24	7/18/24 1:45 PM	7/18/24 1:45 PM	0:01	250.15	250.15	Data from flow meter	JJ
			7/22/2024 5:00PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	1.71	7/22/24	7/25/24	7/22/24 5:00 PM	7/22/24 5:00 PM	0:01	878.54	878.54	Data from flow meter	JJ
			7/25/2024 9:15AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	1.71	7/22/24	07/25/24	7/25/24 9:15 AM	7/25/24 9:15 AM	0:01	229.87	229.87	Data from flow meter	JJ
008	Worth Ave.	Tygart Valley River	7/4/2024 11:45AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	0.63	7/4/24	7/5/24	7/4/24 11:45 AM	7/4/24 5:30 PM	1:15	1237.77	92832.75	Data from flow meter	JJ
			7/16/2024 5:30PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	0.94	7/16/24	07/19/24	7/16/24 5:30 PM	7/16/24 8:15 PM	1:30	772.51	69525.90	Data from flow meter	JJ
			7/18/2024 1:45PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	0.94	7/16/24	7/19/24	7/18/24 1:45 PM	7/18/24 3:00 PM	0:45	2433.38	109502.10	Data from flow meter	JJ
			7/22/2024 2:45PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	1.71	7/22/24	7/25/24	7/22/24 2:45 PM	7/22/24 8:15 PM	4:00	2037.45	488988.00	Data from flow meter	JJ
			7/25/2024 9:15AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	1.71	7/22/24	7/25/24	7/25/24 9:15 AM	7/25/24 9:30 AM	0:15	2292.95	34394.25	Data from flow meter	JJ



**CITY OF ELKINS**  
**Permit # WV0020028**  
**Monthly CSO Inspection/Discharge Report**  
**August 2024**

Outfall #	Location	Receiving Stream	Inspection Date/Time	Backflow Device	Signs	Regulator	General Comments	Discharge Y/N	W/D	Cause	Precipitation		Discharge Estimated Start Date/Time	Discharge Estimated Stop Date/Time	Duration Hrs/Min	Est. Flow GPM	Est. Total Flow	Comments or Corrective Action	Operator	
											Est. Amt.	Stop Date								
002	Barron Ave.	Tygart Valley River	8/3/2024 7:00AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	0.46	8/3/24	8/3/24 7:00 AM	8/3/24 7:00 AM	0:01	215.68	215.68	Data from flow meter	JJ	
			8/9/2024 12:15AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	1.78	8/7/24	08/10/24	8/9/24 12:15 AM	8/9/24 8:30 AM	5:15	425.25	133953.75	Data from flow meter	JJ
			8/17/2024 6:00AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	1.10	8/16/24	8/20/24	8/17/24 6:00 AM	8/17/24 11:00 AM	3:15	473.79	92389.05	Data from flow meter	JJ
			8/31/2024 3:00PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	0.45	8/31/24	8/31/24	8/31/24 3:00 PM	8/31/24 4:45 PM	1:45	603.25	63341.25	Data from flow meter	JJ
003	Cherokee Street	Tygart Valley River	8/9/2024 12:15AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	1.78	8/7/24	8/9/24 12:15 AM	8/9/24 12:45 AM	0:30	372.59	11177.70	Data from flow meter	JJ	
			8/17/2024 6:00AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	1.1	8/16/24	08/20/24	8/17/24 6:00 AM	8/17/24 6:15 AM	0:15	459.36	6890.40	Data from flow meter	JJ
			8/31/2024 3:00PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	0.45	8/31/24	8/31/24	8/31/24 3:00 PM	8/31/24 3:45 PM	0:45	416.93	18761.85	Data from flow meter	JJ
			8/3/2024 6:45AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	0.46	8/3/24	08/05/24	8/3/24 6:45 AM	8/3/24 7:45 PM	3:00	400.18	72032.40	Data from flow meter	JJ
004	Henry Ave.	Tygart Valley River	8/9/2024 10:00PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	1.78	8/7/24	8/9/24 10:00 PM	8/9/24 2:15 PM	14:30	369.73	321665.10	Data from flow meter	JJ	
			8/17/2024 5:45AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	1.1	8/16/24	8/20/24	8/17/24 5:45 AM	8/17/24 10:30 AM	3:15	388.65	75786.75	Data from flow meter	JJ
			8/19/2024 6:15AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	1.10	8/16/24	8/20/24	8/19/24 6:15 AM	8/19/24 6:15 AM	0:01	238.27	238.27	Data from flow meter	JJ
			8/31/2024 2:45PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	0.45	8/31/24	08/31/24	8/31/24 2:45 PM	8/31/24 6:30 PM	0:45	353.81	15921.45	Data from flow meter	JJ
005	Kerens Ave.	Tygart Valley River	8/3/2024 12:15AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	0.46	8/3/24	8/3/24 12:15 AM	8/3/24 7:45 PM	3:45	367.33	82649.25	Data from flow meter	JJ	
			8/8/2024 10:00PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	1.78	8/7/24	8/10/24	8/8/24 10:00 PM	8/9/24 12:00 PM	13:30	435.69	352908.90	Data from flow meter	JJ
			8/17/2024 6:00AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	1.1	8/16/24	8/20/24	8/17/24 6:00 AM	8/17/24 10:00 AM	2:15	439.5	59332.50	Data from flow meter	JJ
			8/31/2024 3:00PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	0.45	8/31/24	8/31/24	8/31/24 3:00 PM	8/31/24 3:15 PM	0:15	547.32	8209.80	Data from flow meter	JJ
006	Davis Ave.	Tygart Valley River	8/3/2024 6:45AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	0.46	8/3/24	8/3/24 6:45 AM	8/3/24 7:30 PM	1:00	93.4	5604.00	Data from flow meter	JJ	
			8/8/2024 11:00PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	1.78	8/7/24	8/10/24	8/8/24 11:00 PM	8/9/24 7:45 AM	2:45	241.95	39921.75	Data from flow meter	JJ
			8/17/2024 5:45AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	1.10	8/16/24	8/20/24	8/17/24 5:45 AM	8/17/24 8:45 AM	1:15	336.91	25268.25	Data from flow meter	JJ
			8/31/2024 2:45PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	0.45	8/31/24	08/31/24	8/31/24 2:45 PM	8/31/24 3:15 PM	0:30	716.42	21492.60	Data from flow meter	JJ
007	R. R. Ave./1st. Street	Tygart Valley River	8/9/2024 12:15AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	1.78	8/7/24	8/9/24 12:15 AM	8/9/24 12:15 AM	0:01	246.26	246.26	Data from flow meter	JJ	
																				JJ
008	Worth Ave.	Tygart Valley River	8/3/2024 11:00AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	0.46	8/3/24	8/3/24 11:00 AM	8/5/24 5:45 AM	34:15	413.65	850050.75	Data from flow meter	JJ	
			8/8/2024 11:15PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	1.78	8/7/24	08/10/24	8/8/24 11:15 PM	8/9/24 8:00 AM	5:45	731.09	252226.05	Data from flow meter	JJ
			8/17/2024 6:00AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	1.10	8/16/24	8/20/24	8/17/24 6:00 AM	8/17/24 8:45 AM	0:45	821.9	36985.50	Data from flow meter	JJ
			8/24/2024 4:15AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	D					8/24/24 4:15 AM	8/24/24 6:45 PM	9:45	419.19	245226.15	Data from flow meter	JJ
			8/31/2024 3:00PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	0.45	8/31/24	8/31/24 3:00 PM	8/31/24 3:15 PM	0:15	1450.76	21761.40	Data from flow meter	JJ	









**Semi-Annual Plant Flow per CSO Discharge Event**

**2nd Quarter 2024**

<b>Event Period</b>	<b>Outfalls Affected</b>	<b>Precipitation</b>	<b>Event Dates</b>	<b>Plant Influent Flow</b>	<b>Plant Effluent Flow</b>
4/1-4/6	002,003,004,005, 006,007,008,011 017,018,019,020	3.17	4/1,4/2,4/3,4/4 4/5,4/6,4/7	3,363,496 6,086,581 7,233,726 6,629,549 5,987,426 4,693,784 3,672,940	1,768,000 5,477,000 7,369,000 6,053,000 5,043,000 3,915,000 2,912,000
4/11-4/13	002,004,005,006, 008,011,017,018, 019,020	1.58	4/11,4/12,4/13 4/14	3,835,752 7,067,242 5,725,304 3,489,191	2,884,000 6,656,000 4,715,000 2,580,000
4/16-4/18	002,004,005,006, 008,017,018,019	0.41	4/17,4/18	3,244,787 2,670,477	2,500,000 2,007,000
4/24	004,005	0.15	4/24	2,132,855	1,442,000
5/3-5/7	002,004,005,006, 007,008,018,019	0.89	5/3,5/5	2,830,366 2,431,805 2,289,563	2,136,000 1,714,000 1,609,000
5/9-5/12	002,004,005,006, 008,011,018,019, 020	1.17	5/9,5/10,5/11, 5/12,5/13	2,710,728 3,260,821 3,594,957 2,428,825 2,140,993	1,737,000 2,495,000 2,727,000 1,833,000 1,506,000
5/14	002,004,005,	0.18	5/14	2,284,863	1,423,000
5/15-5/19	002,004,005,006, 008,011,018,019, 020	1.03	5/15,5/16,5/17, 5/18,5/19	1,877,172 1,715,904 3,669,439 4,626,935 2,674,450	1,221,000 1,069,000 2,906,000 3,748,000 1,766,000
5/23-5/30	002,004,005,006, 008,011,018,019, 020	2.46	5/24,5/25,5/26, 5/27,5/29	4,035,916 2,883,881 3,598,669 3,513,338 2,434,191 3,748,622	3,376,000 2,117,000 2,557,000 2,726,000 1,736,000 2,820,000
6/5-6/6	002,004,005,006, 008,011,016,017, 018,019	0.60	6/5,6/6	2,407,235 2,602,183	1,493,000 1,943,000
6/17-6/18	002,004,005,006, 008,016,017,018, 019	0.20	6/17	2,519,419	1,307,000

6/23-6/24	002,003,004,005, 006,007,008,016, 017,018,019	0.66	6/23,6/24	1,844,284 1,473,132	1,503,000 1,210,000
6/26-6/27	004,005,008,016, 017,018,019	0.24	6/26	1,772,670	1,165,000
6/29-6/30	004,005,006,008, 016,017,018,020	0.23	6/30	1,874,741	1,587,000

**Semi-Annual Plant Flow per CSO Discharge Event**  
**3rd Quarter 2024**

Event Period	Outfalls Affected	Precipitation	Event Dates	Plant Influent Flow	Plant Effluent Flow
7/4-7/5	002,003,004,005, 006,007,008,016, 017,018,019,	0.63	7/4	2,120,116	1,687,000
7/16-7/19	002,003,004,005, 006,007,008,011, 016,017,018,019,	0.94	7/16,7/17, 7/18	702,159 1,338,168 1,627,569	1,118,000 1,092,000 1,478,000
7/22-7/25	002,003,004,006, 007,008,011,016, 017,018,019,020,	1.71	7/22,7/23, 7/24,7/25	3,264,484 1,829,597 2,006,727 2,167,682	3,045,000 1,530,000 1,669,000 1,764,000
8/3-8/5	002,004,005,006, 008,016,017,018, 019	0.46	8/3,8/4, 8/5	1,901,333 410,733 1,225,482	1,634,000 440,000 1,066,000
8/7-8/10	002,003,004,005, 006,007,008,011, 016,017,018,019, 020	1.78	8/8,8/9, 8/10	3,246,326 4,102,409 1,650,990	2,675,000 4,147,000 1,767,000
8/16-8/20	002,003,004,005, 006,008,011,016, 017,018,019	1.10	8/17,8/19	2,840,298 1,442,662 1,740,600	2,277,000 1,416,000 1,483,000
8/31	002,003,004,005, 006,008,016,017, 018,019	0.45	8/31	2,170,329	1,433,000
9/1-9/2	002,003,004,005, 006,007,008,011, 016,017,018,019, 020	1.06	9/1	3,377,290	2,596,000

<b>9/7-9/8</b>	<b>016</b>	<b>.18</b>	<b>9/7</b>	<b>1,408,746</b>	<b>993,000</b>
<b>9/18-9/30</b>	<b>002,003,004,005, 006,007,008,011, 016,017,018,019, 020</b>	<b>3.53</b>	<b>9/21,9/23, 9/24,9/25, 9/26,9/27 9/28,9/29 9/30</b>	<b>1,191,604 1,298,334 3,229,046 2,936,858 3,132,759 3,332,271 2,462,149 1,726,082 1,793,430 2,747,169</b>	<b>871,000 782,000 2,444,000 2,271,000 2,245,000 2,834,000 1,990,000 1,398,000 1,673,000 2,196,000</b>

# ELKINS WASTEWATER SPILL REPORT

SPILL PHONE NUMBER 1-800-642-3074

WVDEP Reference Number: 42-432409

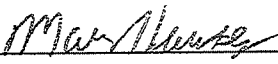

<b>SPILL START</b>	
DATE:	<u>4/3/24</u>
TIME:	<u>7:00AM-First Seen Surchage</u>
<b>REPORTED TO WVDEP</b>	
PERSONNEL REPORTING:	<u>Mark Hartley</u>
DATE:	<u>4/3/24</u>
TIME:	<u>7:05AM</u> WVDEP Employee: <u>Unknown</u>

<b>SPILL CORRECTED</b>	
DATE:	<u>4/3/24</u>
TIME:	<u>7:00PM</u>
<b>REPORTED TO WVDEP</b>	
PERSONNEL REPORTING:	<u>Mark Hartley</u>
DATE:	<u>4/4/24</u>
TIME:	<u>10:00AM</u> WVDEP Employee: <u>Unknown</u>

LOCATION:	<u>207 Sylvester Dr.</u>		
FLOW TO STREAM?	<u>Yes</u>	NAME OF STREAM:	<u>Tygart Valley River</u>
TYPE OF MATERIAL SPILLED:	<u>Sewage</u>		
CAUSE:	Sewer main become overloaded due to steady rain event, causing a manhole to overflow onto the ground which then flowed with additional storm water to the Tygart Valley River.		
AMOUNT OF SPILL:	<u>Unknown.</u>		
DURATION OF SPILL:	<u>Approximately 12HRS (720mins)-intermittently</u>		

<b>CORRECTIVE ACTION TO STOP:</b>
As flow dropped off due to rain stopping, line drained out.
<b>CORRECTIVE ACTION TO PREVENT FUTURE SPILLS:</b>
Engineers for the City have recently began looking into possible solutions to relieve the load on that line from lift station that pumps directly into it.

<b>COMMENTS:</b>	Had approximately 2.5" of rainfall in a twelve hour period. Main line overloaded with flow from rain and flow from two lift stations that also pump into the main line. Discharge was intermittent from the manhole and only when lift station pumps were running. Residual debris in the area was cleaned up. Duration of estimate is based on time of inspection/notification response and rain stoppage.
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SIGNATURE OF PERSON REPORTING:	<u></u>
	DATE: <u>4/8/24</u>
SIGNATURE OF CERTIFIED OPERATOR:	<u></u>
	DATE: <u>4/8/24</u>

# ELKINS WASTEWATER SPILL REPORT

SPILL PHONE NUMBER 1-800-642-3074

WVDEP Reference Number: 42-412402


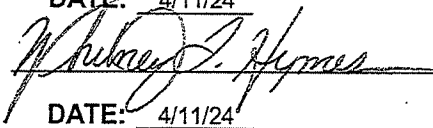
<b>SPILL START</b>	
DATE: <u>4/10/24</u>	
TIME: <u>8:15AM</u>	
<b>REPORTED TO WVDEP</b>	
PERSONNEL REPORTING: <u>Joe Johnson</u>	
DATE: <u>4/11/24</u>	
TIME: <u>6:32AM</u>	WVDEP Employee: DAN

<b>SPILL CORRECTED</b>	
DATE: <u>4/10/24</u>	
TIME: <u>8:30AM</u>	
<b>REPORTED TO WVDEP</b>	
PERSONNEL REPORTING: <u>Joe Johnson</u>	
DATE: <u>4/11/24</u>	
TIME: <u>6:32AM</u>	WVDEP Employee: DAN

LOCATION: <u>Outfall C002-Barron Ave [38° 55' 00"N 79° 50' 46"W]</u>	
FLOW TO STREAM? <u>Yes</u>	NAME OF STREAM: <u>Tygart Valley River</u>
TYPE OF MATERIAL SPILLED: <u>Sewage</u>	
CAUSE: <u>Pump B was being changed out and Pump A was blocked with grit resulting in inadequate pumping and not allowing wet well to be pumped out at efficient rate to prevent discharge.</u>	
AMOUNT OF SPILL: <u>7628.1gals, [average 508.54gpm]-metered data</u>	
DURATION OF SPILL: <u>15mins (Metered)</u>	

<b>CORRECTIVE ACTION TO STOP:</b> <u>Replaced the newly repaired Pump B into wet well. Once installed Pump B was turned on to begin pumping liquid level down. Pump A was then pulled and cleaned of all debris. Pump A was also inspected for any other faults while pulled. Pump A was reinstalled and draw down was tested to ensure efficient pumping of both Pump A and Pump B.</u>
<b>CORRECTIVE ACTION TO PREVENT FUTURE SPILLS:</b> <u>Preventative maintenance by cleaning wet well more frequently to help remove grease and debris that would cause potential pump blockages.</u>

COMMENTS: <u>No other comments provided at this time</u>
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SIGNATURE OF PERSON REPORTING: <u></u>
DATE: <u>4/11/24</u>
SIGNATURE OF CERTIFIED OPERATOR: <u></u>
DATE: <u>4/11/24</u>

# ELKINS WASTEWATER SPILL REPORT

SPILL PHONE NUMBER 1-800-642-3074

WVDEP Reference Number: 42-41439

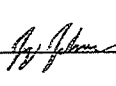
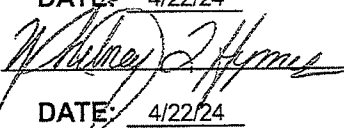
<b>SPILL START</b>	
DATE: <u>4/20/24</u>	
TIME: <u>6:15AM</u>	
<b>REPORTED TO WVDEP</b>	
PERSONNEL REPORTING: <u>Joe Johnson</u>	
DATE: <u>4/20/24</u>	
TIME: <u>6:50AM</u>	WVDEP Employee: BRENT

<b>SPILL CORRECTED</b>	
DATE: <u>4/20/24</u>	
TIME: <u>12:00PM</u>	
<b>REPORTED TO WVDEP</b>	
PERSONNEL REPORTING: <u>Whitney Hymes</u>	
DATE: <u>4/22/24</u>	
TIME: <u>7:50AM</u>	WVDEP Employee: BRENT

LOCATION: <u>5 Riverbend Rd (Park Ditch Overflow Drain-No Permitted Overflow was Effectd)</u>	
FLOW TO STREAM? <u>Yes</u>	NAME OF STREAM: <u>Tygart Valley River</u>
TYPE OF MATERIAL SPILLED: <u>Leachate from Transfer Station</u>	
CAUSE: <u>Transfer station located at the wastewater treatment plant flowed over due to backflow in headworks causing leachate being stored in transfer station holding cell to be discharged. Flow was directed to ditch line inside park that has outlet to Tygart Valley River.</u>	
AMOUNT OF SPILL: <u>Unknown</u>	
DURATION OF SPILL: <u>Approximately 6HRS and 15mins (375mins)</u>	

<b>CORRECTIVE ACTION TO STOP:</b> <u>Valve on transfer station discharge line was exercised open and shut to ensure nothing was letting the valve stick open. Valve was then closed to prevent backflow. Transfer station pumps were kicked on to pump leachate being stored in the holding cell back to the oxidation ditch.</u>
<b>CORRECTIVE ACTION TO PREVENT FUTURE SPILLS:</b> <u>Ensure transfer station valve is working properly to ensure that backflow from headworks is prevented. Explained issue to leachate hauler to ensure he understands procedure.</u>

COMMENTS: <u>Operator on site called spill in when found. Took necessary steps to stop the flow from continuing. Collection crew member was called out to inspect site and to bring vacator truck to help clean area. Upon arrival, flow to Tygart River from ditch discharge had ceased and liquid level was almost gone in park ditch. Only material lost was leachate. No sewage was spilled.</u>
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SIGNATURE OF PERSON REPORTING: <u></u>	DATE: <u>4/22/24</u>
SIGNATURE OF CERTIFIED OPERATOR: <u></u>	DATE: <u>4/22/24</u>

# ELKINS WASTEWATER SPILL REPORT

SPILL PHONE NUMBER 1-800-642-3074

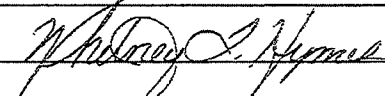

WVDEP Reference Number: 42-72224-07

<b>SPILL START</b> DATE: <u>7/22/24</u> TIME: <u>7:30AM</u>  <b>REPORTED TO WVDEP</b> PERSONNEL REPORTING: <u>Whitney Hymes</u> DATE: <u>7/22/24</u> TIME: <u>10:32AM</u> WVDEP Employee: Danny	<b>SPILL CORRECTED</b> DATE: <u>7/23/24</u> TIME: <u>10:00AM</u>  <b>REPORTED TO WVDEP</b> PERSONNEL REPORTING: <u>Whitney Hymes</u> DATE: <u>7/24/24</u> TIME: <u>5:51AM</u> WVDEP Employee: Tim
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<b>LOCATION:</b> <u>Buffalo Creek Culvert [38.921718, -79.846588] -unpermitted discharge</u>
<b>FLOW TO STREAM?</b> <u>Yes</u> <b>NAME OF STREAM:</b> <u>Tygart Valley River</u>
<b>TYPE OF MATERIAL SPILLED:</b> <u>Sewage</u>
<b>CAUSE:</b> <u>12" Force Main failure (breakage) on Lift Station #2 (Cherokee)</u>
<b>AMOUNT OF SPILL:</b> <u>UNKNOWN</u>
<b>DURATION OF SPILL:</b> <u>UNKNOWN-Spill was known to discharge for 26.5HRS but was discharging for longer duration before issue was found and verified</u>

<b>CORRECTIVE ACTION TO STOP:</b> Lift Station #2 (Cherokee) wet well was dyed and traced. Inspection showed that 12" force main was leaking. The 12" force main was excavated at location and leak was traced and repaired with sleeve. Left uncovered and inspected during pumping cycles to ensure repair was successful. Leak was underground and followed path of storm drain and was seeping from underneath storm drain into Buffalo Creek culvert access.
<b>CORRECTIVE ACTION TO PREVENT FUTURE SPILLS:</b> Continued preventive maintenance and compliant response will be performed.

<b>COMMENTS:</b> WVDEP Spill Hotline was notified immediately after spill was noted and inspection of lift station force main was completed. Randolph County WVDEP Inspector and City of Elkins Mayor was also notified of issues and repairs. Onsite inspection of WVDEP Inspector was completed on 7/23/2024 during repairs.
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<b>SIGNATURE OF PERSON REPORTING:</b> <u></u>
DATE: <u>7/24/24</u>
<b>SIGNATURE OF CERTIFIED OPERATOR:</b> <u></u>
DATE: <u>7/24/24</u>



# ELKINS WASTEWATER SPILL REPORT

SPILL PHONE NUMBER 1-800-642-3074

WVDEP Reference Number: 42-824-2402

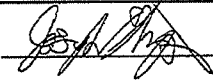
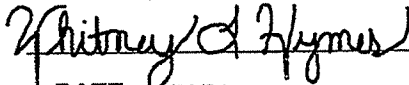
<b>SPILL START</b>	
DATE:	<u>8/24/24</u>
TIME:	<u>4:15 AM</u>
<b>REPORTED TO WVDEP</b>	
PERSONNEL REPORTING:	<u>Joe Thompson</u>
DATE:	<u>8/24/24</u>
TIME:	<u>2:40 PM</u>

<b>SPILL CORRECTED</b>	
DATE:	<u>8/24/24</u>
TIME:	<u>6:45 PM</u>
<b>REPORTED TO WVDEP</b>	
PERSONNEL REPORTING:	<u>Joe Thompson</u>
DATE:	<u>8/24/24</u>
TIME:	<u>2:40 PM</u>

LOCATION:	<u>Outfall # C008</u>		
FLOW TO STREAM?	<u>Yes</u>	NAME OF STREAM:	<u>Tygart Valley River</u>
TYPE OF MATERIAL SPILLED:	<u>Sewage</u>		
CAUSE:	<u>Float switches at lift station failed</u>		
AMOUNT OF SPILL:	<u>245,226 Gallons</u>		
DURATION OF SPILL:	<u>9 hours, 45 minutes</u>		

CORRECTIVE ACTION TO STOP:	<u>Replaced faulty floats</u>
<hr/> <hr/>	
CORRECTIVE ACTION TO PREVENT FUTURE SPILLS:	<u>New floats installed</u>
<hr/> <hr/>	

COMMENTS:	<u>We received two calls from the alarm system. First replaced the 'lead' float and that seemed to remedy the problem. Then later we received a second alarm and we replaced the 'off' float. Lift station operated properly after that. Called Spill Line and reported first call and end to discharge then called Spill Line again on 8/26/24 to report end time needing modified.</u>
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SIGNATURE OF PERSON REPORTING:	
	DATE: <u>8/30/24</u>
SIGNATURE OF CERTIFIED OPERATOR:	
	DATE: <u>8/30/24</u>

# ELKINS WASTEWATER SPILL REPORT

SPILL PHONE NUMBER 1-800-642-3074

WVDEP Reference Number: 42-91201

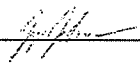
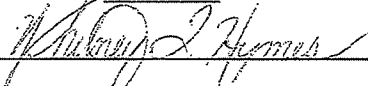
<b>SPILL START</b>	
DATE:	<u>9/11/24</u>
TIME:	<u>12:45 PM</u>
<b>REPORTED TO WVDEP</b>	
PERSONNEL REPORTING:	<u>Joe Johnson</u>
DATE:	<u>9/12/24</u>
TIME:	<u>7:15 AM</u>

<b>SPILL CORRECTED</b>	
DATE:	<u>9/11/24</u>
TIME:	<u>2:00 PM</u>
<b>REPORTED TO WVDEP</b>	
PERSONNEL REPORTING:	<u>Joe Johnson</u>
DATE:	<u>9/12/24</u>
TIME:	<u>7:15 AM</u>

LOCATION:	<u>Outfall C016 (S. Railroad Ave) [38° 55' 23" -79° 51' 02"]</u>	
FLOW TO STREAM?	<u>Yes</u>	NAME OF STREAM: <u>Tygart Valley River</u>
Majority of material was treated potable water from hydrant flushing but in combination with sewage from combined system		
TYPE OF MATERIAL SPILLED:		
CAUSE:	<u>Water Department was performing flushing schedule in Ward 1 and Ward 5 where combined sewer systems are present which resulted in an overload of sewer system</u>	
AMOUNT OF SPILL:	<u>6542.25 gals</u>	
DURATION OF SPILL:	<u>1hr 15mins</u>	

CORRECTIVE ACTION TO STOP:	<u>CSO's were physically inspected in areas that flushing was occurring. The discharge from CSO016 was not noted until the next day when reviewing flow meter data. CSO's were continually monitored through flushing procedure and water department personnel was notified to decrease flow or minimize amount of hydrants open at one time.</u>
CORRECTIVE ACTION TO PREVENT FUTURE SPILLS:	<u>Areas of flushing will be reviewed for stormwater access. In areas where stormwater isn't present the number of hydrants open at one time will be decreased or the flows slowed down for a longer duration of time to help prevent the overloading of the collection system or lift stations.</u>

COMMENTS:	<u>Hydrant flushing was scheduled and published and CSO's were being monitored from the start of flushing. Review of the system was done with Water Department personnel.</u>
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SIGNATURE OF PERSON REPORTING:	<u></u>
	DATE: <u>9/13/24</u>
SIGNATURE OF CERTIFIED OPERATOR:	<u></u>
	DATE: <u>9/13/24</u>

**CITY OF ELKINS  
WASTEWATER COLLECTION  
COMPLAINT SUMMARY**

**2nd Quarter 2024**

DATE	ADDRESS	COMPLAINANT	COMPLAINT	CAUSE	CORRECTIVE ACTION	OPERATOR(S)
4/1/2024	16 Locust ST	No name	Sewer problem	Sewer tap plugged	Used vacor truck to get it open	T.W.J.T
4/2/2024	136 Guy St	No name	Sewer problem	Sewer backing up	They had a question about sewer tap	T.W.J.R.G.H
4/2/2024	914 S Davis	No name	Sewer Complaint	Sewer backing up	They are going to dig their sewer tap	M.H
4/3/2024	Guy St	No name	Sewer problem	man hole lid off due to rain	We put it back on after the rain storm	J.R.G.H
4/3/2024	207 Sylvester Dr	No name	Sewer Complaint	Sewer discharge from the rain	We cleaned it up as soon as it quit raining	M.H
4/3/2024	603 Yokum St	No name	Sewer problem	basement flooded	Checked our main it was open	J.R.G.H
4/3/2024	1727 S Davis	No name	Sewer problem	Sewer working slow	Sewer main was open, no cleanout	M.H.M.C.J.R.G.H.T.W
4/9/2024	110 Hanley St	No name	Sewer problem	Sewer working slow	Used jetter truck to clean sewer tapv 60'	J.T.T.W.M.H.M.C.J.R
4/29/2024	138 posten place	No name	Sewer problem	Sewer in basement	Sewer main was open they didn't have cleanout	T.W.G.H
5/2/2024	102 Grant St	No name	Sewer problem	Sewer tap plugged	Used jetter truck to get it open 4'	J.T.T.W
5/9/2024	118 Elm St	No name	Sewer problem	Wanted to know where tap was	Hes going to replace sewer tap	J.T.M.H.T.W
5/13/2024	210 Buffalo St	No name	Sewer problem	Sewer main was open, no cleanout	We told them to call a plumber	J.T.T.W
5/13/2024	312 S Randolph	No name	Sewer problem	Sewer odor	We dye tested their line it came into the manhole	J.T.T.W
5/17/2024	111 Sunset Dr	No name	Sewer problem	Sewer backing up	Used jetter truck to get it open 250'	T.W.M.K
5/21/2024	922 S Kerens Ave	No name	Sewer problem	Hole in the middle of the road	We dug it up and repaired sewer main	M.H.J.T.T.W
5/22/2024	238 Terrace Ave	No name	Sewer Complaint	Sewer backing up	Checked sewer main it was open	M.H
5/28/2024	1205 S Davis Ave	Rachel Phillips	Sewer problem	Sewer backing up	Sewer main was open they didn't have cleanout	J.T.T.W.M.K
6/3/2024	1 Key St	No name	Sewer problem	Water coming in basement	Tested water it had chlorine in it	M.H.W.H
6/3/2024	312 Randolph Ave	No Name	Sewer problem	Sewer backing up	Used jetter truck to clean sewer main 280'	J.T.T.W.M.K
6/3/2024	41 High St	No name	Sewer problem	basement flooded	Told them to take down spouts out of their sewer	M.H.J.T.T.W.M.K
6/4/2024	627 Capitol St	No name	Sewer Complaint	Sewer backing up	Used jetter truck to try to get it open	T.W.M.H
6/5/2024	929 Davis Ave	Reckart Logistics	Sewer Complaint	Sewer problem	Used jetter truck to clean sewer main 200'	J.T.T.W.M.K.M.H
6/6/2024	2 11th st	No name	Sewer problem	line plugged	Used jetter truck to suck it out	J.T.T.W.M.K
6/7/2024	5 Goff St	No name	Sewer problem	Sewer backing up	Used jetter truck to suck it out	J.T.T.W.M.K
6/14/2024	5 Goff st	No name	Sewer problem	Sewer backing up	Used jetter truck to suck it out	J.T.T.W.M.K
6/14/2024	8 Hilltop drive	No name	Sewer problem	Sewer backing up	Used jetter truck to flush it out	J.T.T.W.M.M.M.K
6/17/2024	102 Ferndale	No name	Sewer problem	Sewer backing up	Used jetter truck to get it open 25'	J.T.T.W.M.K
6/21/2024	631 W main st	Shawn	Sewer problem	Sewer main plugged	Used jetter truck to get it open 350'	J.T.T.W.M.K
6/27/2024	232 Buffalo St	No name	Sewer problem	Sink hole in road	We put rock in it	J.T.T.W.M.K
				Water in basement	Guy wants a check valve	J.T.M.H.M.M

**CITY OF ELKINS  
WASTEWATER COLLECTION  
COMPLAINT SUMMARY**

**3rd Quarter 2024**

DATE	ADDRESS	COMPLAINANT	COMPLAINT	CAUSE	CORRECTIVE ACTION	OPERATOR(S)
7/3/2024	108 15th St	No name	Sewer Problem	Sewer tap plugged	Used Jetter truck to clean tap 100'	M.H.T.W.M.K.M.M
7/5/2024	108 Wilson Lane	No name	Sewer Problem	Sewer tap plugged	Used Jetter truck to clean tap 50'	M.H.M.K.M.M
7/12/2024	317 Randolph Ave	Smoker Friendly	Sewer Problem	Sewer backing up	Cleaned Sewer main 230'	T.W.M.K.M.M
7/12/2024	102 Grant St	No name	Sewer Complaint	Sewer tap plugged	Flushed Sewer tap with jetter truck	T.W.M.K.M.M
7/15/2024	317 Randolph Ave	No name	Sewer Complaint	Sewer backing up	Cleaned Sewer main 300'	M.H.T.W.M.K.M.M
7/17/2024	639 Capitol St	No name	Storm drain	they wanted a storm drain tap	Street Dept are going to make tap	M.H.M.M
7/17/2024	311 Grant St	No name	Sewer Problem	Sewer tap plugged	Used jetter truck to get it open 100'	M.H.T.W.M.K.M.M
7/18/2024	238 Terrace Ave	Sam	Sewer Problem	Sewer working slow	We televised their sewer tap	M.H.M.M
7/26/2024	Barron Ave	No name	Sewer Problem	Sink hole in yard	Put rock in the hole/going to dig it up	T.W.M.K.M.M
8/7/2024	317 Randolph Ave	No name	Sewer Problem	Sewer backing up	Told them to install a cleanout	M.K.M.M
8/8/2024	100 Alexander Ave	Ed	Sewer Complaint	Hole in driveway	We are going to dig it up	M.H.M.C.M.K.M.M
8/8/2024	1214 Harrison Ave	Detail shop	Sewer Problem	Sewer backing up	No cleanout, told them to call plumber	M.H.M.C
8/8/2024	1300 Cole Ave	Mountaineer Gas	Sewer Problem	Sink hole in road	We put rock in the hole	M.H.M.C
8/19/2024	44 Locust St	No name	Sewer Complaint	Sewer tap plugged	Used jetter truck to get it open 20'	T.W.M.M
8/23/2024	Harper town Road	Mountaineer Gas	Storm drain	Hit old storm line	We called Street Dept	J.T.T.W.M.M.S.A
8/27/2024	222 Harpertown Rd	No name	Sewer Problem	Sewer line broke	We called emergency/locate	M.H.M.C
8/29/2024	232 S Henry	No name	Sewer Problem	Hole in the road	Were going to put rock in it	M.H.T.W
9/16/2024	119 Vector Ave	No name	Sewer Problem	Sewer backing up	Clean out was open it was plugged on them	J.T.T.W.S.A.M.M
9/17/2024	303 Marro Drive	No name	Sewer Complaint	Sewer tap plugged	Used jetter truck to get it open 10'	T.W.M.M
9/17/2024	108 Pleasant Ave	No name	Sewer Problem	Sewer tap plugged	Used jetter truck to clean sewer main 30'	J.T.T.W.S.A.M.M
9/23/2024	415 W Main st	No name	Sewer Problem	Sewer coming up in yard	Sewer main is broken were going to dig it up	J.T.T.W.M.M.S.A
9/27/2024	207 Wilson Lane	No name	Sewer Problem	Sewer tap plugged	Used jetter truck to get it open 75'	J.T.T.W.M.M.S.A
9/27/2024	107 Main St	No name	Sewer Problem	Sewer Complaint	Sewer tap was open sewer main was open	



## City of Elkins – Compliance Milestones

### LTCP Improvements

The City of Elkins has completed Phase I & II of the current LTCP. Currently working on identifying projects for future phases to be included in an updated LTCP. Significant events of the current LTCP as well as actions taken to begin drafting a new LTCP are listed chronologically below:

### Timeline of Events

- 4/16/13 - SHPO issues the Architectural Resources approval for project (Archaeological Resources approved on 5/29/12).
- 4/22/13 - WVDEP issues a Findings of No Significant Impact (FONSI).
- 9/13/13 - WVDNR issues a License and Right of Entry.
- 9/19/13 - Submitted a WVDOH Right-of-Way Permit.
- 10/24/13 - WVDEP approved the Contract Drawings and Specification.
- 12/6/13 - Army Corps of Engineers issued Nationwide Permit.
- 2/4/14 - WVDEP issues NPDES Construction Stormwater Permit.
- 3/10/14 - Submitted Clean Water SRF Priority Fact Sheet to WVDEP
- 4/8/14 - Received Information from WVDEP Indicating the Agency Would Be Unable to Finance the Project.
- 5/8/14 - Sent a Letter to the West Virginia Infrastructure and Jobs Development Council (WVIJDC) Requesting a Funding Change for the Project
- 5/27/14 - Submitted a Certificate of Convenience and Necessity with the Public Service Commission of West Virginia (PSC).
- 6/24/14 - WVIJDC Funding Committee Approved the City Seeking Financing through a WVIJDC Loan.
- 6/25/14 - NPDES Permit Modification Submitted to WVDEP
- 7/3/14 - City Filed a Motion to Toll the Case at the PSC
- 7/9/14 - At the WVIJDC meeting, Council Approved Financing of the Project through a WVIJDC Loan.

- 7/14/14 - PSC Authorized the 30-Day Extension of the Tolling Period.
- 7/16/14 - Received a Binding Commitment Letter from WVIJDC.
- 7/23/14 - Received Bureau for Public Health Permit.
- 8/29/14 - Sent letter to WVIJDC Requesting a Clarification on the Binding Commitment Letter.
- 9/9/14 - Sent Letter to WVIJDC Requesting to Be Placed on the Agenda for the 10-1-14 Council Meeting.
- 9/12/14 - PSC Authorized an Additional 30-Day Tolling Period.
- 10/1/14 - Revised Binding Commitment Letter from WVIJDC Received.
- 10/9/14 - Lifted the Motion to Toll the Rate Case Associated with the Project.
- 12/17/14 - WVIJDC Issues a Bid Authorization Letter
- 12/23/14 - First Advertisement for Bids.
- 12/30/14 - Second Advertisement for Bids.
- 1/7/15 - First Pre-Bid Meeting
- 1/23/15 - Second Pre-Bid Meeting
- 2/10/15 - Bid Opening for Project
- 2/19/15 - Bid Review Letter Issued by the Engineer
- 2/23/15 - Conditional Notice of Award Issued to the Contractor
- 3/26/15 - WVIJDC Authorizes Use of Bid Underrun
- 4/15/15 - Pre-Closing for WVIJDC Loan
- 4/16/15 - Closing of WVIJDC Loan
- 4/17/15 - Pre-Construction Meeting for the Project
- 5/29/15 - Initiation of Construction.
- 6/15/15 - Construction Progress Meeting – Milling and saw cuts made on Kerens Avenue. Wing wall set at river. Installed slope protection.
- 7/13/15 - Construction Progress Meeting – Installed new storm drains along Kerens Avenue and Wilson Street.



- 8/17/15 - Construction Progress Meeting – Continued storm sewer installation on Kerens Avenue, Wilson Street, and College Street. Bore and jack of storm drain on Randolph Avenue. Began trench repairs. Installed water insert valves.
- 9/21/15 - Construction Progress Meeting – Completed installation of storm sewers. Lining of sewers has begun. Installation of water mains has begun. Continued on trench repairs.
- 9/25/15 - Completed lining of sewers.
- 10/15/15 - Construction Progress Meeting – Completed lining of manholes. Waterline improvements associated with new storm drains were completed. New sewer laterals began being installed for the residences along Kerens Avenue.
- 11/30/15 - Construction Progress Meeting – Work associated with the LTCP was completed with the exception of minor ancillary work. A punch list was created for items associated with this work.
- 1/14/16 - Began review of flow data for the Post Construction Monitoring Report. Construction work shut down due to weather.
- 2/1/16 - Construction restarted with installation of storm sewers along First Street.
- 2/8/16 - Construction began on storm sewer on Central Avenue.
- 2/9/16 - Construction work shut down due to weather.
- 3/7/16 - Construction Progress Meeting – Completed alley beside of WVDOH garage and First Street. Construction restarted with continued work on Central Avenue.
- 3/14/16 - Began storm sewers on Third Street.
- 3/17/16 - Completed storm sewers in Central Avenue.
- 4/6/16 - Completed storm sewers on Third Street.
- 5/6/16 - Requested funding to provide sewer televising along the Buffalo Creek Culvert and combined sewers and to purchase and install a flow meter on new storm line.
- 5/31/16 - Substantial Completion walkthrough completed.
- 6/1/16 - Date of Substantial Completion for the project.
- 7/7/16 - Certificate of Substantial Completion acknowledged by City.
- 7/25/16 - Performed CCTV of Buffalo Creek Culvert.
- 8/1/16 - Performed cleaning and CCTV on combined sewer at locations of known issues.
- 8/19/16 - Installed flow meter on new storm line at end of Kerens Avenue.

- 9/20/16 - Signed Agreement for improvements to sludge aeration system at the wastewater treatment plant.
- 9/30/16 - Contractor provided final pay estimate to the City.
- 10/21/16 - Report on Buffalo Creek Culvert completed.
- 12/19/16 - Began construction on aeration improvements at the wastewater treatment plant.
- 1/23/17 - Selected the scope of the Combined Sewer System Improvements Project, Phase 2.
- 1/31/17 - Submitted the Post Construction Monitoring Report for the Combined Sewer System Improvements Project.
- 3/20/17 - Signed amendment with Engineer to create a Preliminary Engineering Report for Combined Sewer System Improvements Project, Phase 2.
- 3/28/17 - Contractor reached Substantial Completion for the wastewater treatment plant aeration upgrades.
- 4/10/17 - Began manhole inspections for the Combined Sewer System Improvements Project, Phase 2.
- 4/11/17 - Completed manhole inspections.
- 5/21/17 - Began smoke testing for the sewers tributary to CSO 016.
- 5/25/17 - Completed smoke testing.
- 6/19/17 - Presentation of results from the manhole inspections and smoke testing to the Board.
- 8/21/17 - Options presented to the Board for the Phase 2 project.
- 9/11/17 - Accountant selected for the Phase 2 project.
- 9/18/17 - Board selected the scope for the Phase 2 project.
- 9/19/17 - Project Initiation form submitted to WVIJDC.
- 9/21/17 - WVIJDC approved the Project Initiation form for the Phase 2 project.
- 11/10/17 - Accountant forms added to the WVIJDC Project Dashboard.
- 12/8/17 - Preliminary Engineering Report added to the WVIJDC Project Dashboard.
- 1/23/18 - Phase 2 Project reviewed at the WVIJDC Technical Review and Funding Committee Meeting
- 2/7/18 - Project funding approved by the WVIJDC.
- 2/12/18 - Funding decision letter from WVIJDC sent.

- 2/26/18 - Engineering amendment for design approved by the Sanitary Board.
- 3/26/18 - Field work for Phase 2 design started.
- 4/18/18 - Completed field work for Phase 2 project.
- 5/14/18 - Smoke tested along Riverview Drive and Teaberry Hills areas of the City.
- 6/18/18 - Reviewed 30% design documents with the Sanitary Board.
- 8/20/18 – Reviewed 60% design documents with the Sanitary Board.
- 8/29/18 – Performed field work associated with the Buffalo Creek sewer improvements.
- 10/31/18 – Submitted Facilities Plan for Combined Sewer System Improvements, Phase 2 project to WVDEP.
- 11/7/18 – Conference call to discuss project progress (internal team members only)
- 11/19/18 – Board meeting to discuss project progress.
- 12/7/18 – Conference call to discuss project progress (internal team members only).
- 12/11/18 – Submitted Plans and Specifications for Combined Sewer System Improvements, Phase 2 project to WVDEP.
- 12/12/18 – Performed additional smoke testing in the Teaberry Hills section of the City.
- 1/19/19 – Submitted revised Facilities Plan to the WVDEP based upon comments.
- 1/22/19 – Conference call to discuss project progress (internal team members only).
- 2/19/19 – Conference call to discuss project progress (internal team members only).
- 3/14/19 – Conference call with WVDEP to discuss project progress.
- 3/18/19 – Board approved Engineering Amendment covering the construction and post construction phase services associated with the Combined Sewer System Improvements, Phase 2 project.
- 4/9/19 – Conference call with all team members.
- 4/16/19 – Updated cash flow was created.
- 4/30/19 – First draft of the Schedule B created.
- 5/21/19 – Updated project schedule was circulated for review.
- 5/23/19 – Conference call with all team members.
- 5/24/19 – Final easement list created for the project.

- 6/6/19 - Received Categorical Exclusion for the project from WVDEP.
- 6/17/19 – Conference call with all team members.
- 6/25/19 – Received comments from the railroad plans.
- 7/10/19 – Conference call with all team members.
- 7/16/19 – Submitted the NPDES Permit Modification and the NPDES Construction Stormwater Permit to WVDEP.
- 7/23/19 – Soil borings were collected throughout the project area.
- 8/1/19 – Received comments from WVDOH on the project.
- 8/8/19 – Received comments from WVDEP on the NPDES Construction Stormwater Permit on the project.
- 8/15/19 – City Council approved the new Sewer Use Ordinance.
- 8/15/19 – Conference call with all team members.
- 8/19/19 – Sanitary Board recommended the project to move forward as presented with the proposed funding scenario to City Council for approval.
- 9/4/19 – Received approval of the Plans and Specifications from WVDEP.
- 9/5/19 – Received geotechnical report on the project area.
- 9/16/19 – Received approval for the NPDES Construction Stormwater Permit to WVDEP.
- 9/18/19 – Internal conference call to discuss steps to receive a sewer rate increase.
- 10/17/19 – First meeting of City Council to discuss the Project Ordinance.
- 11/6/19 – Team coordination call to move project towards bidding.
- 11/21/19 – City Council adopted the Project Ordinance.
- 12/3/19 – Army Corps of Engineers permit received for project.
- 12/10/19 – Team coordination call to move project to bidding.
- 12/10/19 – Railroad permit received for project.
- 1/10/20 – Team coordination call to move project to bidding.
- 2/13/20 – Team coordination call to move project to bidding.
- 3/10/20 – WVDOH issues right-of-way permit.

- 3/23/20 – Team coordination call to move project to bidding.
- 4/27/20 – Sanitary Board meeting to discuss tasks remaining to take project to bid.
- 5/13/20 – Team coordination call to move project to bidding.
- 6/10/20 – Team coordination call to move project to bidding.
- 6/16/20 – Meeting with property owner to finalize easements.
- 6/23/20 – Final title opinion issued for the project.
- 6/30/20 – Team coordination call to move project to bidding.
- 7/16/20 – First reading of the bond ordinance.
- 7/21/20 – Sanitary Board meeting to discuss tasks remaining to take project to bid.
- 7/29/20 – Team coordination call to move project to bidding.
- 8/4/20 – WVDEP issues binding commitment for SRF loan.
- 8/4/20 – WVDEP issues authorization to advertise.
- 8/6/20 – Second reading of the bond ordinance.
- 8/11/20 – First advertisement for bids placed in the newspaper.
- 8/17/20 – Sanitary Board meeting to discuss tasks remaining to take project to bid.
- 8/18/20 – Second advertisement for bids placed in the newspaper.
- 8/25/20 – Pre-bid meeting for the project.
- 9/3/20 – Third reading of the bond ordinance.
- 9/10/20 – Bid opening for the project.
- 9/15/20 – Conference call with team to discuss bid results.
- 9/21/20 – Sanitary Board meeting where contract was tentatively awarded.
- 9/23/20 – Team coordination call to receive funding.
- 10/7/20 – Conference call to set loan closing date.
- 10/19/20 – Loan closing.
- 10/19/20 – Preconstruction meeting.
- 1/18/21 – Construction contract start date per the Notice to Proceed

- 1/25/21 – Contractor began mobilizing to the site
- 2/8/21 – First day of construction on site
- 2/16/21 – Construction progress meeting: installed headwall on Railroad Avenue and 94 l.f. of storm drains.
- 3/15/21 – Construction progress meeting - installed the following to-date: 574 l.f. of storm drains, 3 storm manholes, 2 yard drains, and 1 catch basin.
- 4/14/21 – Construction progress meeting - installed the following to-date: 7 yard drains, 13 catch basins, 9 manholes, and 1,800 lf of storm drains
- 5/17/21 – Construction progress meeting - installed the following to-date: 13 yard drains, 20 catch basins, 13 manholes, and 2,650 lf of storm drains
- 6/28/21 – Construction progress meeting - installed the following to-date: 22 yard drains, 39 catch basins, 27 manholes, and 5,850 lf of storm drains
- 7/19/21 – Construction progress meeting – completed the following percentages of installation to-date: 36" & 30" pipe = 100%, 18" pipe = 65%, 12" pipe = 43%, 6" pipe = 31%, manholes = 53%, catch basins = 43%, yard drains = 26%.
- 8/16/21 – Construction progress meeting – completed the following percentages of installation to-date: 36" & 30" pipe = 100%, 24" pipe = 80%, 18" pipe = 90%, 12" pipe = 69%, 6" pipe = 52%, manholes = 77%, catch basins = 65%, and yard drains = 47%.
- 9/20/21 – Construction progress meeting – completed the following percentages of installation to-date: 36" & 30" pipe = 100%, 24" pipe = 95%, 18" pipe = 98%, 12" pipe = 90%, 6" pipe = 82%, manholes = 86%, catch basins = 86%, yard drains = 77%.
- 10/6/21 – Completed all storm piping and structures in South Elkins.
- 10/21/21 – Presentation to the Sanitary Board and City Council on remaining items associated with the Consent Decree.
- 10/21/21 – Board signed agreement with B&N to install flow meters as part of the post construction monitoring report.
- 10/28/21 – Performed Substantial Completion Walkthrough on the Phase 2 project.
- 10/29/21 – Date of the Certificate of Substantial Completion.
- 11/1/21 – Fully executed Certificate of Substantial Completion finalized.
- 11/15/21 – Accepted Change Order No. 2 for the Phase 2 project.
- 12/3/21 – Contractor completed all punch list items from the Certificate of Substantial Completion.
- 12/5/21 – Contractor provided remainder of project closeout documents to the City.

- 12/20/21 – Board approved final payment for the Contractor marking the completion of the Phase 2 project.
- 12/21/21 – Advertisement for flow meter supplier sent to newspaper.
- 12/31/21 – Due date for the completion of construction for Phase 2 based upon Consent Order.
- 1/24/22 – Bid awarded for purchase of flow meters.
- 3/9/22 – Final inspection from WVDEP SRF program completed.
- 3/21/22 – Board authorized B&N to begin creating an updated Long-Term Control Plan.
- 3/31/22 – Received first shipment of flow meter accessories.
- 4/1/22 – Operators beginning sampling associated with the post construction monitoring report.
- 4/18/22 – Meeting to discuss wastewater system needs for the LTCP update.
- 5/9/22 – Flow meters installed at all CSOs.
- 5/16/22 – Warranty walkthrough for the Phase 2 project occurred.
- 5/17/22 – Received draft NPDES permit from WVDEP.
- 5/17/22 – Presentation to Sanitary Board on proposed projects for the LTCP update.
- 5/24/22 – Personnel trained on the use of the new flow meters.
- 6/6/22 – Sanitary Board provided comments on the draft of the LTCP project list.
- 6/28/22 – Received final NPDES permit from WVDEP.
- 8/1/22 – New NPDES permit went into effect.
- 9/13/22 – Sanitary Board approved list of projects for the LTCP update.
- 9/27/22 – Meeting to discuss the current operations and maintenance plan for the combined sewer system for the LTCP update.
- 10/17/22- Hymes received draft from B+N of LTCP
- 12/29/22 – Submitted revised copy of the Asset Management Plan to WVDEP for review.
- 1/11/23 – Meeting to discuss results of the Post Construction Monitoring Report for the Phase 2 project and possible LTCP public meeting.



- 1/23/23 – Public meeting for the revised LTCP.
- 1/26/23 – Submitted the revised LTCP along with the Post Construction Monitoring Report for the Phase 2 project to the WVDEP.
- 1/29/23 – Submitted a Clean Water State Revolving Fund Priority List Application for the Phase 3 project to WVDEP.
- 3/20/23 – Site visit to review sites of the proposed Phase 3 project.
- 3/28/23 – Interviews for engineering consultants for the Phase 3 project.
- 3/31/23 – Board selected engineering consultant for Phase 3 project.
- 4/15/23 – Scoping meeting to discuss the Phase 3 project.
- 4/20/23 – Received comments from WVDEP on draft LTCP.
- 6/7/23 – Engineering fee estimate for the Phase 3 project submitted to the Board.
- 8/21/23 – Board Meeting to finalize scope of engineering agreement.
- 9/18/23 – Engineering agreement for the Phase 3 preliminary engineering report approved by Board.
- 9/18/23 – Board received phone call from USEPA requesting a status update.
- 9/26/23 – Internal meeting to discuss closing of the Consent Decree
- 9/28/23 – Board signed Letter of Representation for Steptoe & Johnson to represent the City in negotiations with USEPA and WVDEP.
- 10/17/23 – Board submitted semi-annual report for 2nd and 3rd quarters of 2023 to USEPA
- 10/18/23 – Internal call on effluent data submitted to USEPA
- 10/30/23 – Review meeting to discuss progress of addressing USEPA comments on the Consent Decree/revised LTCP.
- 10/31/23 – USEPA contacted Board to discuss counsel should discuss steps to close the Consent Decree

- 11/7/23 – Board submitted the Completion Report for the Supplemental Environmental Project (SEP) to USEPA and WVDEP.
- 12/1/23 – Received comment letter from USEPA on the closeout of the Consent Decree and revised LTCP.
- 12/18/23 – Conference call with USEPA on the closeout of the Consent Decree and the revised LTCP.
- 1/2/24 – Emailed USEPA requesting update on meeting to discuss technical assistance from the Agency.
- 1/5/24 – USEPA responded to Board request for an update.
- 1/23/24 – Internal meeting to discuss responding to USEPA comments.
- 1/29/24 – Coordination call on response letter to USEPA comments.
- 2/6/24 – USEPA informed Board technical assistance funds have been received to engage the consultant for the Agency
- 2/8/24 – Submitted revised LTCP to USEPA for review and comments.
- 2/14/24 – USEPA contacted B&N requesting information on I/I from satellite communities.
- 3/8/24 – Board submitted Annual CSO Report to USEPA.
- 3/19/24 – USEPA requested additional information for consultant concerning information in the draft LTCP.
- 4/10/24 – Board provided requested information to USEPA.
- 4/11/24 – USEPA requested raw flow metering data collected during the Phase 2 Post Construction Monitoring Report.
- 4/30/24 – Board responded with a list of available information to be submitted to USEPA.
- 5/13/24 – Submitted soil boring information to USEPA.
- 5/14/24 – Submitted water usage and sewage flows for the Midland PSD to USEPA.
- 5/21/24 – Submitted hydrographs for each of the CSOs to USEPA.
- 5/28/24 – USEPA requested additional information on the flow meters used, information collected by the flow meters, and available rain data.
- 5/29/24 – Board provided response to USEPA request including raw flow meter data.
- 5/30/24 – USEPA requested information on the scope of the previously completed sewer separation projects.
- 5/31/24 – Board provided first batch of information requested by USEPA.

- 6/3/24 – Board provided second batch of information requested by USEPA. USEPA requested additional information on the metering results provided by the Board.
- 6/5/24 – Board provided additional information on the flow meters to USEPA.
- 7/17/24 – USEPA provided a flow analysis performed by their consultant to the Board.
- 7/24/24 – Board responded to USEPA requesting a meeting to discuss the flow analysis.
- 7/30/24 – Virtual meeting with the Board, USEPA, and USEPA’s consultant to discuss flow analysis.