

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

Whitney L. Hymes
Signature of Authorized Representative

X

4/11/2024
Date

X

Whitney L. Hymes
Printed Name of Authorized Representative

X

Wastewater Superintendent / Chief Operator
Title of Authorized Representative

X

John Michael Kane IV
Signature of Preparer

X

4/11/2024
Date

X

John Michael Kane IV
Printed Name of Preparer

X

CSO Coordinator / pretreatment Inspector
Title of Preparer

**Attachment A
CSO Summary Report**

CSO Community: City of Elkins

Reporting Period: 4th Quarter of 2023-1st Quarter of 2024 [October 1, 2023-March 31, 2024]

Prepared By: Joe Johnson and Michael Kane (CSO Inspector/Pretreatment Coordinator)

Date Submitted: 4/11/2024

Comments on Nine Minimum Controls activity during the past reporting period

- 1) O&M Plan- Line maintenance included: cleaned 12 main lines for approximately 2830ft. Cleaned/unplugged 9 sewer taps, installed 2 new taps repaired 2 sewer taps. Put in one (1) new cleanout. 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 17 callouts, responded to 15 locate requests, and 15 emergency locates maintained equipment, and assisted other departments and outside agencies on 5 occasions. Weekly 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 2023 and will be published again in the second quarter of 2024. 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-26
- 11) Estimated duration of CSO discharge (gallons or time)- Duration for the period was a total of 1827hrs and 15 min. However, flow was intermittent over that period. Total flow from the CSOs is estimated at 33,260,411.2 gallons. Duration and flow were recorded on fourteen flow meters. Total precipitation for the reporting period was 21.28” inches.
- 12) Number of CSO wet weather events YTD- There have been 15 wet weather events in the 1st quarter of 2024.

Dry Weather Events

- 13) Number of CSO dry weather events that occurred during the last reporting period-5
- 14) Date(s) of dry weather event(s): 11/3,11/3,11/5,2/3-2/5,2/6-2/8
- 15) Cause(s) of the discharge(s): Grease in wet well hung-up floats. Water Department flushed hydrant. Water Department flushed hydrant. Blockage of sewer main resulted in restricted flow. Blockage of sewer main and overflow pipe.
- 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. Used truck to suck up residual material in river.
- 17) Corrective action taken to prevent re-occurrence-Check regulators, reset tripped pump, check and clean lift stations, have Water Department check flow as to not overwhelm the sewer pipes make sure restaurants are taking care of their grease traps, and cleans lines.
- 18) Number of CSO dry weather events occurred YTD-2

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. Michael Kane was hired as the new CSO Technician/Pretreatment Coordinator on 2/26/2024, Tim White was hired as a new Wastewater Collection III Technician on 1/22/2023.

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 are currently working on a 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.

25) Has annual newspaper notification been published? The 2023 ad was published in the second quarter of 2023 and the 2024 ad will be published in the second quarter of 2024.

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 hours spill report**

CITY OF ELKINS
Permit # WV0020028
Monthly CSO Inspection/Discharge Report
October 2023

Outfall #	Location	Receiving Stream	Inspection Date/Time	Backflow Device	Signs	Regulator	General Comments	Discharge Y/N	W/D	Cause	Precipitation		Discharge		Est. Flow GPM	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	10/6/2023 7:30PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	0.79	10/6/23	10/10/23	10/6/23 7:30 PM	10/7/23 2:30 AM	117.23	5275.35	Data from flow meter	JJ
			10/14/2023 6:00PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	1.15	10/14/23	10/17/23	10/14/23 6:00 PM	10/14/23 6:45 PM	158.2	7119.00	Data from flow meter	JJ
			10/21/2023 1:30AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	0.82	10/20/23	10/23/23	10/21/23 1:30 AM	10/21/23 9:30 AM	53.77	9678.60	Data from flow meter	JJ
004	Henry Ave.	Tygart Valley River	10/6/2023 6:15PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	0.79	10/6/23	10/10/23	10/6/23 6:15 PM	10/7/23 3:45 AM	427.52	83366.40	Data from flow meter	JJ
			10/9/2023 3:00PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	0.79	10/6/23	10/10/23	10/9/23 3:00 PM	10/9/23 6:00 PM	332.16	19929.60	Data from flow meter	JJ
			10/14/23 10:15AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	1.15	10/14/23	10/17/23	10/14/23 10:15 AM	10/15/23 12:15 AM	211.16	57013.20	Data from flow meter	JJ
			10/17/23 8:45AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	1.15	10/14/23	10/17/23	10/17/23 8:45 AM	10/17/23 8:45 AM	0.01	1.53	Data from flow meter	JJ
			10/20/23 8:30 AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	0.82	10/20/23	10/23/23	10/20/23 8:30 AM	10/21/23 2:00 PM	185.58	94645.80	Data from flow meter	JJ
005	Kerens Ave.	Tygart Valley River	10/22/2023 6:00AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	0.82	10/20/23	10/23/23	10/22/23 6:00 AM	10/22/23 7:15 AM	4.47	67.05	Data from flow meter	JJ
			10/6/2023 6:45PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	0.79	10/6/23	10/10/23	10/6/23 6:45 PM	10/7/23 2:30 AM	303.12	31827.60	Data from flow meter	JJ
			10/9/2023 3:15PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	0.79	10/6/23	10/10/23	10/9/23 3:15 PM	10/9/23 6:00 PM	160.99	7244.55	Data from flow meter	JJ
			10/14/23 3:00PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	1.15	10/14/23	10/17/23	10/14/23 3:00 PM	10/14/23 11:15 PM	94.61	12772.35	Data from flow meter	JJ
			10/21/23 12:00AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	0.82	10/20/23	10/23/23	10/21/23 12:00 AM	10/21/23 2:45 AM	436.97	45776.85	Data from flow meter	JJ
006	Davis Ave.	Tygart Valley River	10/6/2023 6:45PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	Y	RAIN	0.79	10/6/23	10/10/23	10/6/23 6:45 PM	10/7/23 2:00 AM	168.58	5057.40	Data from flow meter	JJ
			10/9/2023 3:00PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	W	W	RAIN	0.79	10/6/23	10/10/23	10/9/23 3:00 PM	10/9/23 5:30 PM	48.73	730.95	Data from flow meter	JJ
			10/6/2023 7:00PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	0.79	10/6/23	10/10/23	10/6/23 7:00 PM	10/7/23 2:15 AM	185.57	5567.10	Data from flow meter	JJ
008	Worth Ave.	Tygart Valley River	10/9/2023 3:15PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	0.79	10/6/23	10/10/23	10/9/23 3:15 PM	10/9/23 3:15 PM	102.27	102.27	Data from flow meter	JJ
			10/21/2023	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	0.82	10/20/23	10/23/23	10/21/23 1:30 AM	10/21/23 1:30 AM	81.22	81.22	Data from flow meter	JJ
011	Mt. View Dr.	Tygart Valley River	10/21/2023 2:15AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	0.82	10/20/23	10/23/23	10/21/23 2:15 AM	10/21/23 3:30 AM	2.31	138.60	Data from flow meter	JJ
018	S. Kerens Ave.	Tygart Valley River	10/6/2023 7:00PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	0.79	10/6/23	10/10/23	10/6/23 7:00 PM	10/7/23 2:15 AM	290.47	13071.15	Data from flow meter	JJ
			10/15/2023 9:15PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	1.15	10/14/23	10/17/23	10/15/23 9:15 PM	10/18/23 11:00 PM	1.45	4089.00	Data from flow meter	JJ
019	S. Henry Ave.	Tygart Valley River	10/7/2023 2:00AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	0.79	10/6/23	10/10/23	10/7/23 2:00 AM	10/7/23 2:00 AM	46.18	46.18	Data from flow meter	JJ

Monthly Precipitation 3.22in																
Total Estimated Monthly Discharge 403601.75																
Wet Weather Events: 3 Dates: 10/6-10/10,10/14-10/17,10/20-10/23																
Dry Weather Events: 0 Dates:																
Total Events: 3																

CITY OF ELKINS
Permit # WV0020028
Monthly CSO Inspection/Discharge Report
November 2023

Outfall #	Location	Receiving Stream	Inspection Date/Time	Backflow Device	Signs	Regulator	General Comments	Discharge Y/N	W/D	Cause	Est. Amt.	Precipitation Start Date	Stop Date	Estimated Start Date/Time	Discharge Estimated Stop Date/Time	Duration Hrs/Min	Est. Flow GPM	Est. Total Flow	Comments or Corrective Action	Operator		
002	Barron Ave.	Tygart Valley River	11/03/2023 1:30PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	D					11/03/23 1:30 PM	11/03/23 3:15 PM	1:45	156.54	16436.70	Data from flow meter	JJ		
			11/21/23 3:15PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	1.21	11/21/23	11/23/23		11/21/23 3:15 PM	11/21/23 9:45 PM	6:00	485.83	178498.80	Data from flow meter	JJ	
004	Henry Ave.	Tygart Valley River	11/03/2023 2:00PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	D					11/03/23 2:00 PM	11/03/23 6:30 PM	1:45	1655.58	173935.90	Data from flow meter	JJ		
			11/05/2023 9:15AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	D						11/05/23 9:15 AM	11/05/23 5:30 PM	3:45	2061.95	463938.75	Data from flow meter	JJ	
			11/09/2023 12:45PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	0.59	11/09/23	11/11/23	11/09/23 12:45 PM	11/09/23 2:00 PM	1:00	340.59	20435.40	Data from flow meter	JJ
			11/10/2023 9:00AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	0.59	11/09/23	11/11/23	11/10/23 9:00 AM	11/10/23 3:00 PM	5:00	322.97	96891.00	Data from flow meter	JJ
			11/17/2023 7:30PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	0.51	11/17/23	11/18/23	11/17/23 7:30 PM	11/18/23 7:15 AM	6:00	271.56	97761.80	Data from flow meter	JJ
005	Kerens Ave.	Tygart Valley River	11/21/23 10:15AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	0.66	11/21/23	11/23/23	11/21/23 10:15 AM	11/23/23 12:00 PM	35:30	370.37	788888.10	Data from flow meter	JJ		
			11/28/23 11:30PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	SNOW	0.66	11/28/23	11/28/23	11/28/23 11:30 PM	11/27/23 6:15 AM	4:00	282.62	67828.80	Data from flow meter	JJ		
			11/09/23 1:00 PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	0.59	11/09/23	11/11/23	11/09/23 1:00 PM	11/09/23 1:45 PM	0:30	347.5	10425.00	Data from flow meter	JJ
			11/10/2023 9:15AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	0.59	11/09/23	11/11/23	11/10/23 9:15 AM	11/10/23 1:00 PM	3:45	210.12	47277.00	Data from flow meter	JJ
			11/17/23 7:30PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	0.51	11/17/23	11/18/23	11/17/23 7:30 PM	11/18/23 3:15 AM	3:45	253.72	57087.00	Data from flow meter	JJ
006	Davis Ave.	Tygart Valley River	11/21/23 12:45PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	1.21	11/21/23	11/23/23	11/21/23 12:45 PM	11/23/23 1:15 AM	30:15	205.8	373527.00	Data from flow meter	JJ		
			11/27/23 1:00 AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	SNOW	0.66	11/26/23	11/28/23	11/27/23 1:00 AM	11/27/23 3:30 AM	2:00	189.15	22698.00	Data from flow meter	JJ		
			11/09/23 12:45PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	0.59	11/09/23	11/11/23	11/09/23 12:45 PM	11/09/23 12:45 PM	0:01	368.01	368.01	Data from flow meter	JJ
			11/17/23 9:00PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	0.51	11/17/23	11/18/23	11/17/23 9:00 PM	11/18/23 9:00 PM	0:01	96.37	96.37	Data from flow meter	JJ
			11/21/2023	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	1.21	11/21/23	11/23/23	11/21/23 3:00 PM	11/21/23 6:45 PM	2:30	220.88	33132.00	Data from flow meter	JJ
008	Worth Ave.	Tygart Valley River	11/09/2023 2:00PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	0.59	11/09/23	11/11/23	11/09/23 2:00 PM	11/09/23 2:15 PM	0:15	186.25	2823.75	Data from flow meter	JJ		
			11/10/23 10:15AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	0.59	11/09/23	11/11/23	11/10/23 10:15 AM	11/10/23 2:45 PM	4:30	476.27	128592.90	Data from flow meter	JJ		
			11/17/2023	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	0.51	11/17/23	11/18/23	11/17/23 9:00 PM	11/17/23 9:15 PM	0:15	543.26	8148.90	Data from flow meter	JJ		
			11/27/23 3:00PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	1.21	11/21/23	11/23/23	11/21/23 3:00 PM	11/21/23 8:45 PM	5:45	1128.75	389418.75	Data from flow meter	JJ		
			11/27/23 1:45AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	SNOW	0.66	11/26/23	11/28/23	11/27/23 1:45 AM	11/27/23 2:00 AM	0:15	58.41	876.15	Data from flow meter	JJ		
011	Mt. View Dr.	Tygart Valley River	11/10/23 12:00PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	0.59	11/09/23	11/11/23	11/10/23 12:00 PM	11/10/23 1:15 PM	1:00	1.36	81.60	Data from flow meter	JJ		
			11/21/23 4:15PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	1.21	11/21/23	11/23/23	11/21/23 4:15 PM	11/22/23 12:45 AM	6:30	12.24	4773.60	Data from flow meter	JJ		
018	S. Kerens Ave.	Tygart Valley River	11/09/23 1:00PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	0.59	11/09/23	11/11/23	11/09/23 1:00 PM	11/09/23 1:00 PM	0:01	234.05	234.05	Data from flow meter	JJ		
			11/10/23 10:30AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	0.59	11/09/23	11/11/23	11/10/23 10:30 AM	11/10/23 12:15 PM	1:45	99.96	10495.80	Data from flow meter	JJ		
			11/17/2023 4:15AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	0.51	11/17/23	11/18/23	11/17/23 4:15 AM	11/17/23 6:15 AM	1:00	855.96	51957.60	Data from flow meter	JJ		
			11/17/2023 9:00PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	0.51	11/17/23	11/18/23	11/17/23 9:00 PM	11/17/23 10:45 PM	1:15	78.47	5885.25	Data from flow meter	JJ		
			11/21/23 3:00PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	1.21	11/21/23	11/23/23	11/21/23 3:00 PM	11/22/23 3:15 PM	13:00	283.47	221106.60	Data from flow meter	JJ		
019	S. Henry Ave.	Tygart Valley River	11/23/23 5:45 AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	1.21	11/21/23	11/23/23	11/23/23 5:45 AM	11/23/23 1:15 PM	7:00	3.07	1289.40	Data from flow meter	JJ		
			11/17/23 9:15PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	0.51	11/17/23	11/18/23	11/17/23 9:15 PM	11/17/23 9:15 PM	0:01	67.02	67.02	Data from flow meter	JJ		
020	Flood Control Road	Tygart Valley River	11/21/23 3:00PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	1.21	11/21/23	11/23/23	11/21/23 3:00 PM	11/22/23 5:30 AM	6:45	156.15	63240.75	Data from flow meter	JJ		
			11/21/2023 4:45PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	1.21	11/21/23	11/23/23	11/21/23 4:45 PM	11/21/23 11:45 PM	6:45	289.25	117146.25	Data from flow meter	JJ		
Monthly Precipitation																						
																					3.04	3492085.55

Total Estimated Monthly Discharge		Wet Weather Events: 4		Dry Weather Events: 3		Total Events: 7	
Events Summary		Dates: 11/09-11/11,11/17-11/18,11/21-11/23,11/26-11/28		Dates: 11/3,11/5			

CITY OF ELKINS
Permit # WV0020028
Monthly CSO Inspection/Discharge Report
December 2023

Outfall #	Location	Receiving Stream	Inspection Date/Time	Backflow Device	Signs	Regulator	General Comments	Discharge Y/N	W/D	Cause	Est. Amt.	Precipitation Start Date	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
002	Barren Ave.	Tygart Valley River	12/10/23 2:45PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	R/S	1.00	12/09/23	12/11/23	12/10/23 2:45 PM	12/10/23 5:00 PM	0:45	7.27	327.15	Data from flow meter	JJ
			12/27/23 12:45PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	0.52	12/26/23	12/28/23	12/27/23 12:45 PM	12/27/23 2:00 PM	1:15	353.35	26501.25	Data from flow meter	JJ
004	Henry Ave.	Tygart Valley River	12/10/23 3:00PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	R/S	0.63	12/10/23	12/06/23	12/10/23 3:00 PM	12/10/23 3:00 PM	0:01	176.26	176.26	Data from flow meter	JJ
			12/3/23 12:00AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	R/S	0.63	12/10/23	12/06/23	12/03/23 12:00 AM	12/03/23 1:15 AM	1:00	229.46	13767.60	Data from flow meter	JJ
			12/5/23 8:45AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	R/S	0.63	12/10/23	12/06/23	12/05/23 8:45 AM	12/06/23 12:45 AM	0:30	12.02	360.60	Data from flow meter	JJ
			12/10/23 4:15AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	R/S	1.00	12/10/23	12/11/23	12/10/23 4:15 AM	12/11/23 6:45 PM	35:15	359.96	782465.40	Data from flow meter	JJ
005	Kerens Ave.	Tygart Valley River	12/11/23 9:30PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	R/S	0.64	12/11/23	12/19/23	12/11/23 9:30 PM	12/19/23 10:00 AM	1:15	227.93	17094.75	Data from flow meter	JJ
			12/27/23 7:00AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	0.52	12/26/23	12/28/23	12/27/23 7:00 AM	12/27/23 5:30 PM	4:15	431.4	110007.00	Data from flow meter	JJ
			12/3/23 12:30 AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	R/S	0.63	12/10/23	12/06/23	12/03/23 12:30 AM	12/03/23 12:30 AM	0:01	146.82	146.82	Data from flow meter	JJ
			12/10/23 5:45AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	R/S	1.00	12/10/23	12/11/23	12/10/23 5:45 AM	12/11/23 3:30 PM	32:15	173.95	336593.25	Data from flow meter	JJ
006	Davis Ave.	Tygart Valley River	12/11/23 9:30PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	R/S	0.64	12/11/23	12/19/23	12/11/23 9:30 PM	12/17/23 9:45 PM	0:15	209.24	3138.60	Data from flow meter	JJ
			12/27/23 12:00PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	0.52	12/26/23	12/28/23	12/27/23 12:00 PM	12/27/23 4:45 PM	3:45	309.23	69576.75	Data from flow meter	JJ
008	Worth Ave.	Tygart Valley River	12/10/23 6:00AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	R/S	1	12/10/23	12/11/23	12/10/23 6:00 AM	12/10/23 6:00 AM	0:01	10.14	10.14	Data from flow meter	JJ
			12/27/23 12:30PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	0.52	12/26/23	12/28/23	12/27/23 12:30 PM	12/27/23 1:00 PM	0:30	352.04	10561.20	Data from flow meter	JJ
011	Mt. View Dr.	Tygart Valley River	12/10/23 5:00AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	R/S	1.00	12/10/23	12/11/23	12/10/23 5:00 AM	12/10/23 8:00 PM	6:45	214.99	87070.95	Data from flow meter	JJ
			12/27/23 12:30PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	0.52	12/26/23	12/28/23	12/27/23 12:30 PM	12/27/23 3:15 PM	2:30	839.36	125904.00	Data from flow meter	JJ
018	S. Kerens Ave.	Tygart Valley River	12/10/23 7:30AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	R/S	0.63	12/10/23	12/06/23	12/10/23 7:30 AM	12/10/23 7:30 AM	0:01	43.96	43.96	Data from flow meter	JJ
			12/27/23 12:30PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	0.52	12/26/23	12/28/23	12/27/23 12:30 PM	12/27/23 3:15 PM	2:15	378.29	51069.15	Data from flow meter	JJ
019	S. Henry Ave.	Tygart Valley River	12/10/23 1:30PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	R/S	1.00	12/10/23	12/11/23	12/10/23 1:30 PM	12/10/23 7:45 PM	5:00	33.95	10185.00	Data from flow meter	JJ
			12/27/23 12:30 PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	0.52	12/26/23	12/28/23	12/27/23 12:30 PM	12/27/23 1:45 PM	1:15	171	12825.00	Data from flow meter	JJ
020	Flood Control Road	Tygart Valley River	12/10/23 7:15 AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	R/S	1.00	12/10/23	12/11/23	12/10/23 7:15 AM	12/11/23 2:00 AM	11:45	283.58	199923.90	Data from flow meter	JJ
			12/27/23 12:45 PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	0.52	12/26/23	12/28/23	12/27/23 12:45 PM	12/27/23 3:45 PM	2:45	204.39	33724.35	Data from flow meter	JJ
Monthly Precipitation		2.96in																		
Total Estimated Monthly Discharge		2020284.83																		
Events Summary		Wet Weather Events: 4 Dry Weather Events: 0 Total Events: 4																		
		Dates: 12/1-12/6,12/10-12/11,12/17-12/19,12/26-12/28																		

CITY OF ELKINS
Permit # WV0020028
Monthly CSO Inspection/Discharge Report
January 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	Est. Duration Hrs/Min	Est. Flow GPM	Est. Total Flow	Comments or Corrective Action	Operator		
											Est. Amt.	Stop Date									
002	Barron Ave.	Tygart Valley River	1/6/2024 2:00PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	R/S	1.53	1/6/24	1/10/24	1/6/24 2:00 PM	1/6/24 3:30 PM	1:30	256.54	23088.60	Data from flow meter	JJ	
			1/9/2024 4:30 PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	R/S	1.53	1/6/24	01/10/24	1/9/24 4:30 PM	1/9/24 5:30 PM	1:00	157.26	9435.60	Data from flow meter	JJ	
			1/28/2024 4:00AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	R/S	1.28	1/27/24	1/29/24	1/28/24 4:00 AM	1/28/24 12:45 PM	7:45	284.26	132180.90	Data from flow meter	JJ	
004	Henry Ave.	Tygart Valley River	1/6/2024 10:15AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	R/S	1.53	1/6/24	01/10/24	1/6/24 10:15 AM	1/8/24 3:30 PM	37:15	248.28	554905.80	Data from flow meter	JJ	
			1/9/2024 4:15AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	R/S	1.53	1/6/24	1/10/24	1/9/24 4:15 AM	1/11/24 4:00 PM	59:00	379.21	1342403.40	Data from flow meter	JJ	
			1/24/2024 3:15PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	R	Y	W	R	0.41	1/24/24	1/26/24	1/24/24 3:15 PM	1/26/24 2:15 PM	35:00	379.8	797580.00	Data from flow meter	JJ
			1/27/2024 8:00PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	R/S	Y	W	R/S	1.28	1/27/24	1/29/24	1/27/24 8:00 PM	1/29/24 7:30 PM	43:45	452.67	1168258.70	Data from flow meter	JJ
005	Kerens Ave.	Tygart Valley River	1/6/2024 10:15AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	R/S	1.53	1/6/24	01/10/24	1/6/24 10:15 AM	1/7/24 11:45 PM	26:00	470.19	733496.40	Data from flow meter	JJ	
			1/9/2024 4:30AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	R/S	1.53	1/6/24	1/10/24	1/9/24 4:30 AM	1/11/24 3:15 PM	58:15	482.01	1719574.90	Data from flow meter	JJ	
			1/24/2024 6:00PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	R	Y	W	R	0.41	1/24/24	1/26/24	1/24/24 6:00 PM	1/26/24 9:00 AM	27:45	554.37	923026.05	Data from flow meter	JJ
			1/27/2024 8:15PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	R/S	Y	W	R/S	1.28	1/27/24	1/29/24	1/27/24 8:15 PM	1/29/24 6:15 PM	41:30	495.12	1232948.80	Data from flow meter	JJ
006	Davis Ave.	Tygart Valley River	1/6/2024 1:30PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	R/S	1.53	1/6/24	01/10/24	1/6/24 1:30 PM	1/6/24 1:45 PM	0:15	36.89	535.35	Data from flow meter	JJ	
			1/9/2024 6:45AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	R/S	1.53	1/6/24	1/10/24	1/9/24 6:45 AM	1/9/24 4:15 PM	:45	14.13	635.85	Data from flow meter	JJ	
			1/28/2024	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	R/S	1.28	1/27/24	1/29/24	1/28/24 2:30 AM	1/28/24 10:45 AM	2:30	52.05	7807.50	Data from flow meter	JJ	
008	Worth Ave.	Tygart Valley River	1/6/2024 1:30PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	R/S	1.53	1/6/24	1/10/24	1/6/24 1:30 PM	1/6/24 2:45 PM	1:15	623.22	46741.50	Data from flow meter	JJ	
			1/9/2024 6:45AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	R/S	1.53	1/6/24	01/10/24	1/9/24 6:45 AM	1/11/24 5:00 PM	30:15	89.36	162186.40	Data from flow meter	JJ	
			1/24/2024 6:45PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	R	Y	W	R	0.41	1/24/24	1/26/24	1/24/24 6:45 PM	1/24/24 10:30 PM	1:30	188.69	16982.10	Data from flow meter	JJ
			1/25/2024 11:45AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	R	Y	W	R	0.41	1/24/24	1/26/24	1/25/24 11:45 AM	1/26/24 2:30 PM	14:45	309	273465.00	Data from flow meter	JJ
			1/27/2024 9:45PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	R/S	1.28	1/27/24	1/29/24	1/27/24 9:45 PM	1/29/24 6:00 PM	12:00	447.61	322279.20	Data from flow meter	JJ	

011	Mt. View Dr.	Tygart Valley River	1/5/2024 7:00PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	R/S	W	Y	0.06	1/4/24	1/4/24	1/5/24 7:00 PM	1/5/24 7:45 PM	0:15	813.63	12204.45	Data from flow meter	JJ
			1/6/2024 1:00PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	R/S	W	Y	1.53	1/6/24	01/10/24	1/6/24 1:00 PM	1/6/24 9:00 PM	4:45	8.63	2459.55	Data from flow meter	JJ
			1/7/2024 9:00AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	R/S	W	Y	1.53	1/6/24	1/10/24	1/7/24 9:00 AM	1/7/24 7:15 PM	6:30	5.07	1977.30	Data from flow meter	JJ
			1/9/2024 8:30AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	R/S	W	Y	1.53	1/6/24	1/10/24	1/9/24 8:30 AM	1/10/24 1:30 AM	8:00	33.84	16243.20	Data from flow meter	JJ
			1/24/2024 6:00PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	RAIN	W	Y	0.41	1/24/24	1/26/24	1/24/24 6:00 PM	1/26/24 8:30 PM	8:00	82.78	39734.40	Data from flow meter	JJ
			1/27/2024 10:00PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	R/S	W	Y	1.28	1/27/24	01/29/24	1/27/24 10:00 PM	1/29/24 8:45 PM	20:45	24.85	30938.25	Data from flow meter	JJ
			1/30/2024 2:00PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	RAIN	W	Y	0.09	1/30/24	01/31/24	1/30/24 2:00 PM	1/31/24 3:00 AM	0:45	208.26	9281.70	Data from flow meter	JJ
			1/6/2024 1:30PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	R/S	W	Y	1.53	1/6/24	1/10/24	1/6/24 1:30 PM	1/6/24 4:00 PM	2:30	278.59	41788.50	Data from flow meter	JJ
			1/7/2024 8:15AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	R/S	W	Y	1.53	1/6/24	01/10/24	1/7/24 8:15 AM	1/7/24 12:00 PM	3:15	5.3	1033.50	Data from flow meter	JJ
			1/8/2024 4:15AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	R/S	W	Y	1.53	1/6/24	1/10/24	1/8/24 4:15 AM	1/8/24 12:15 PM	6:30	4.03	157.1.70	Data from flow meter	JJ
			1/9/2024 7:00AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	R/S	W	Y	1.53	1/6/24	1/10/24	1/9/24 7:00 AM	1/11/24 11:00 PM	46:15	104.9	291097.50	Data from flow meter	JJ
			1/24/2024 7:00PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	RAIN	W	Y	0.41	1/24/24	01/26/24	1/24/24 7:00 PM	1/26/24 2:45 PM	14:00	167.15	140406.00	Data from flow meter	JJ
			1/27/2024 3:00AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	R/S	W	Y	1.28	1/27/24	01/29/24	1/27/24 3:00 AM	1/27/24 8:30 AM	5:30	8.11	2876.30	Data from flow meter	JJ
			1/28/2024 3:00AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	R/S	W	Y	1.28	1/27/24	1/29/24	1/28/24 3:00 AM	1/29/24 12:15 PM	23:15	385.11	509328.45	Data from flow meter	JJ
			1/30/2024 5:45AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	RAIN	W	Y	0.09	1/30/24	01/31/24	1/30/24 5:45 AM	1/30/24 10:30 AM	4:00	8.04	1928.60	Data from flow meter	JJ
			1/6/2024 1:45PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	R/S	W	Y	1.53	1/6/24	1/10/24	1/6/24 1:45 PM	1/6/24 2:45 PM	1:00	87.03	5221.80	Data from flow meter	JJ
			1/7/2024 12:15PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	R/S	W	Y	1.53	1/6/24	01/10/24	1/7/24 12:15 PM	1/7/24 10:30 PM	2:45	5.46	900.90	Data from flow meter	JJ
			1/9/2024 4:15PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	R/S	W	Y	1.53	1/6/24	1/10/24	1/9/24 4:15 PM	1/11/24 6:30 PM	30:00	19.66	35388.00	Data from flow meter	JJ
			1/24/2024 10:30PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	RAIN	W	Y	0.41	1/24/24	1/26/24	1/24/24 10:30 PM	1/26/24 8:30 PM	28:00	50.03	84050.40	Data from flow meter	JJ
			1/28/2024 3:00AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	R/S	W	Y	1.28	1/27/24	01/29/24	1/28/24 3:00 AM	1/28/24 3:30 PM	8:30	115.2	58752.00	Data from flow meter	JJ
			1/6/2024 2:00PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	R/S	W	Y	1.53	1/6/24	1/10/24	1/6/24 2:00 PM	1/6/24 5:30 PM	2:15	118.35	15977.25	Data from flow meter	JJ
			1/9/2024 7:45AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	R/S	W	Y	1.53	1/6/24	01/10/24	1/9/24 7:45 AM	1/10/24 8:00 AM	15:15	308.72	282478.80	Data from flow meter	JJ
			1/12/2024 5:15PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	S	W	Y	0.31	1/12/24	1/15/24	1/12/24 5:15 PM	1/12/24 10:30 PM	5:15	237.59	74840.65	Data from flow meter	JJ
			1/28/2024 4:15AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	R/S	W	Y	1.28	1/27/24	1/29/24	1/28/24 4:15 AM	1/28/24 7:00 AM	2:45	345.8	57057.00	Data from flow meter	JJ
			1/29/2024 12:30AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	R/S	W	Y	1.28	1/27/24	1/29/24	1/29/24 12:30 AM	1/29/24 2:15 AM	1:30	17.26	1553.40	Data from flow meter	JJ

Monthly Precipitation	4.49																				
Total Estimated Monthly Discharge																					11206327.85
Events Summary																					
Wet Weather Events: 6																					
Dry Weather Events: 0																					
Total Events: 6																					
Dates: 1/4, 1/6-1/10, 1/12-1/15, 1/24-1/26, 1/27-1/29, 1/30-1/31																					
Dates:																					

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

Outfall #	Location	Receiving Stream	Inspection Date/Time	Backflow Device	Signs	Regulator	General Comments	Discharge Y/N	W/D	Cause	Precipitation		Discharge		Est. Flow GPM	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	2/12/2024 11:30PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	R/S	1.55	2/10/24	2/14/24	2/12/24 11:30 PM	2/13/24 1:30 PM	484.9	407316.00	Data from flow meter	JJ
			2/15/2024 4:45PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	S/M	1.55	2/10/24	02/14/24	2/15/24 4:45 PM	2/16/24 5:30 PM	74.88	3389.60	Data from flow meter	JJ
			2/28/2024 9:45AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	1.04	2/27/24	2/29/24	2/28/24 9:45AM	2/28/24 11:30PM	705.17	475989.75	Data from flow meter	JJ
004	Henry Ave.	Tygart Valley River	2/10/2024 10:15AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	R/S	1.55	2/10/24	02/14/24	2/10/24 10:15 AM	2/10/24 11:00 AM	247.36	11131.20	Data from flow meter	JJ
			2/12/2024 8:30PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	R/S	1.55	2/10/24	2/14/24	2/12/24 8:30 PM	2/14/24 10:30 AM	485.05	894917.25	Data from flow meter	JJ
			2/22/2024 12:00PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	R/M	0.64	2/22/24	2/24/24	2/22/24 12:00PM	2/23/24 9:00PM	336.88	358777.20	Data from flow meter	MK
			2/24/2024 9:45AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	R/M	0.64	2/22/24	2/24/24	2/24/24 9:45AM	2/24/24 4:30PM	152.35	20567.25	Data from flow meter	MK
			2/27/2024 10:00AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	1.04	2/27/24	02/29/24	2/27/24 10:00AM	2/27/24 1:30PM	364.47	60137.55	Data from flow meter	MK
			2/28/2024 9:30AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	1.04	2/27/24	02/29/24	2/28/24 9:30AM	2/29/24 11:45PM	605.02	1388520.90	Data from flow meter	MK
005	Kerens Ave.	Tygart Valley River	2/10/2024 10:30AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	R/S	1.55	2/10/24	02/14/24	2/10/24 10:30 AM	2/10/24 10:30 AM	317.86	317.86	Data from flow meter	JJ
			2/12/2024 9:00PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	R/S	1.55	2/10/24	2/14/24	2/12/24 9:00 PM	2/12/24 2:15 AM	416.68	656271.00	Data from flow meter	JJ
			2/22/2024 12:00PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	R/M	0.64	2/22/24	2/24/24	2/22/24 12:00PM	2/23/24 8:15PM	507.46	327311.70	Data from flow meter	MK
			2/24/2024 11:45AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	R/M	0.64	2/22/24	2/24/24	2/24/24 11:45AM	2/24/24 1:00PM	115.89	3470.70	Data from flow meter	MK
			2/27/2024 10:00AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	1.04	2/27/24	02/29/24	2/27/24 10:00AM	2/27/24 11:45AM	599.88	53971.20	Data from flow meter	MK
			2/28/2024 9:45AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	1.04	2/27/24	02/29/24	2/28/24 9:45AM	2/29/24 11:45PM	371.71	847498.80	Data from flow meter	MK
006	Davis Ave.	Tygart Valley River	2/12/2024 10:45PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	R/S	1.55	2/10/24	02/14/24	2/12/24 10:45 PM	2/13/24 5:15 AM	146.72	57220.80	Data from flow meter	JJ
			2/27/2024 11:00AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	1.04	2/27/24	2/29/24	2/27/24 11:00AM	2/27/24 11:00AM	74.22	74.22	Data from flow meter	MK
			2/28/2024 9:30AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	1.04	2/27/24	2/29/24	2/28/24 9:30AM	2/28/24 3:45PM	172.84	33703.80	Data from flow meter	MK
008	Worth Ave.	Tygart Valley River	2/12/2024 10:45PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	R/S	1.55	2/10/24	2/14/24	2/12/24 10:45 PM	2/14/24 5:30 AM	1003.66	843074.40	Data from flow meter	JJ
			2/22/2024 5:00PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	R/M	0.64	2/22/24	02/24/24	2/22/24 5:00PM	2/22/24 10:30PM	274.31	28802.55	Data from flow meter	MK
			2/23/2024 8:00PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	R/M	0.64	2/22/24	2/24/24	2/23/24 8:00PM	2/23/24 8:15PM	34.08	511.20	Data from flow meter	MK
			2/27/2024 11:15AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	1.04	2/27/24	2/29/24	2/27/24 11:15AM	2/27/24 11:30AM	421.38	6320.70	Data from flow meter	MK
			2/28/2024 9:45AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	1.04	2/27/24	2/29/24	2/28/24 9:45AM	2/29/24 10:00PM	417.87	526842.20	Data from flow meter	MK

CITY OF ELKINS
Permit # WV0020028
Monthly CSO Inspection/Discharge Report
February 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	Est. Duration Hrs/Min	Est. Flow GPM	Est. Total Flow	Comments or Corrective Action	Operator	
											Est. Amt.	Stop Date								
002	Barron Ave.	Tygart Valley River	2/12/2024 11:30PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	R/S	1.55	2/10/24	2/14/24	2/12/24 11:30 PM	2/13/24 1:30 PM	14:00	484.9	407316.00	Data from flow meter	JJ
			2/15/2024 4:45PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	S/M	1.55	2/10/24	02/14/24	2/15/24 4:45 PM	2/15/24 5:30 PM	0:45	74.88	3369.80	Data from flow meter	JJ
			2/28/2024 9:45AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	1.04	2/27/24	2/29/24	2/28/24 9:45AM	2/28/24 11:30PM	11:15	705.17	475989.75	Data from flow meter	JJ
004	Henry Ave.	Tygart Valley River	2/10/2024 10:15AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	R/S	1.55	2/10/24	02/14/24	2/10/24 10:15 AM	2/10/24 11:00 AM	0:45	247.36	11131.20	Data from flow meter	JJ
			2/12/2024 8:30PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	R/S	1.55	2/10/24	2/14/24	2/12/24 8:30 PM	2/14/24 10:30 AM	30:45	485.05	894917.25	Data from flow meter	JJ
			2/22/2024 12:00PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	R/M	0.64	2/22/24	2/24/24	2/22/24 12:00PM	2/23/24 9:00PM	17:45	336.88	368777.20	Data from flow meter	MK
			2/24/2024 9:45AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	R/M	0.64	2/22/24	2/24/24	2/24/24 9:45AM	2/24/24 4:30PM	2:15	152.35	20587.25	Data from flow meter	MK
			2/27/2024 10:00AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	1.04	2/27/24	02/29/24	2/27/24 10:00AM	2/27/24 1:30PM	2:45	364.47	60137.55	Data from flow meter	MK
			2/28/2024 9:30AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	1.04	2/27/24	02/29/24	2/28/24 9:30AM	2/29/24 11:45PM	38:15	605.02	1388520.90	Data from flow meter	MK
005	Kerens Ave.	Tygart Valley River	2/10/2024 10:30AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	R/S	1.55	2/10/24	02/14/24	2/10/24 10:30 AM	2/10/24 10:30 AM	0:01	317.86	317.86	Data from flow meter	JJ
			2/12/2024 9:00PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	R/S	1.55	2/10/24	2/14/24	2/12/24 9:00 PM	2/12/24 2:15 AM	26:15	416.68	656271.00	Data from flow meter	JJ
			2/22/2024 12:00PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	R/M	0.64	2/22/24	2/24/24	2/22/24 12:00PM	2/23/24 8:15PM	10:45	507.46	327311.70	Data from flow meter	MK
			2/24/2024 11:45AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	R/M	0.64	2/22/24	2/24/24	2/24/24 11:45AM	2/24/24 1:00PM	0:30	115.69	3470.70	Data from flow meter	MK
			2/27/2024 10:00AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	1.04	2/27/24	02/29/24	2/27/24 10:00AM	2/27/24 11:45AM	1:30	599.68	55971.20	Data from flow meter	MK
			2/28/2024 9:45AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	1.04	2/27/24	02/29/24	2/28/24 9:45AM	2/29/24 11:45PM	38:00	371.71	847498.80	Data from flow meter	MK
006	Davis Ave.	Tygart Valley River	2/12/2024 10:45PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	R/S	1.55	2/10/24	02/14/24	2/12/24 10:45 PM	2/13/24 5:15 AM	6:30	146.72	57220.80	Data from flow meter	JJ
			2/27/2024 11:00AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	1.04	2/27/24	2/29/24	2/27/24 11:00AM	2/27/24 11:00AM	0:01	74.22	74.22	Data from flow meter	MK
			2/28/2024 9:30AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	1.04	2/27/24	2/29/24	2/28/24 9:30AM	2/28/24 3:45PM	3:15	172.84	33703.80	Data from flow meter	MK
			2/12/2024 10:45PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	R/S	1.55	2/10/24	2/14/24	2/12/24 10:45 PM	2/14/24 5:30 AM	14:00	1003.66	843074.40	Data from flow meter	JJ
008	Worth Ave.	Tygart Valley River	2/22/2024 5:00PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	R/M	0.64	2/22/24	02/24/24	2/22/24 5:00PM	2/22/24 10:30PM	1:45	274.31	28802.55	Data from flow meter	MK
			2/23/2024 8:00PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	R/M	0.64	2/22/24	2/24/24	2/23/24 8:00PM	2/23/24 8:15PM	0:15	34.08	511.20	Data from flow meter	MK
			2/27/2024 11:15AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	1.04	2/27/24	2/29/24	2/27/24 11:15AM	2/27/24 11:30AM	0:15	421.38	6320.70	Data from flow meter	MK
			2/28/2024 9:45AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	1.04	2/27/24	2/29/24	2/28/24 9:45AM	2/29/24 10:00PM	21:00	417.97	526642.20	Data from flow meter	MK

CITY OF ELKINS

Permit # WV0020028

Monthly CSO Inspection/Discharge Report
March 2024

Outfall #	Location	Receiving Stream	Inspection Date/Time	Backflow Device	Signs	Regulator	General Comments	Discharge Y/N	W/D	Cause	Est. Amt.	Precipitation Start Date	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
002	Barron Ave.	Tygart Valley River	3/9/2024 6:30AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	R/S	1.45	3/6/24	3/11/24	3/9/24 6:30 AM	3/10/24 6:30AM	22:45	367.5	501637.50	Data from flow meter	MK
			3/26/2024 5:45PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	0.32	3/26/24	03/27/24	3/26/24 5:45PM	3/26/24 5:45PM	0:15	5.3	79.50	Data from flow meter	MK
			3/30/2024 8:30pm	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	0.51	3/30/24	3/31/24	3/30/24 8:30PM	3/30/24 11:15PM	2:15	431.21	66918.72	Data from flow meter	MK
004	Henry Ave.	Tygart Valley River	3/1/2024 12:00AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	0.28	3/1/24	03/03/24	3/1/24 12:00AM	3/1/24 4:00PM	1:45	124.01	13021.05	Data from flow meter	MK
			3/2/2024 3:15AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	0.28	3/1/24	3/3/24	3/2/24 3:15AM	3/2/24 2:45PM	2:45	125.96	20783.40	Data from flow meter	MK
			3/6/2024 6:45PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	R/S	1.45	3/6/24	3/11/24	3/6/24 6:45PM	3/6/24 7:45PM	0:15	834.22	12513.30	Data from flow meter	MK
			3/9/2024 6:00AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	R/S	1.45	3/6/24	3/11/24	3/9/24 6:00AM	3/11/24 3:45AM	39:30	538.82	1277003.40	Data from flow meter	MK
			3/15/2024 3:00am	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	0.59	3/14/24	03/16/24	3/15/24 3:00AM	3/16/24 9:00PM	12:00	755.75	544140.00	Data from flow meter	MK
			3/23/2024 1:00am	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	0.5	3/22/24	03/23/24	3/23/24 1:00AM	3/23/24 9:15AM	5:15	401.22	126384.30	Data from flow meter	MK
			3/26/2024 3:00PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	0.32	3/26/24	3/27/24	3/26/24 3:00PM	3/26/24 7:00PM	3:30	385.7	80997.00	Data from flow meter	MK
			3/27/2024 10:15AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	0.32	3/26/24	03/27/24	3/27/24 10:15AM	3/27/2024 12:45PM	0:15	166.67	2500.05	Data from flow meter	MK
			3/30/2024 8:15PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	0.51	3/30/24	03/31/24	3/30/24 8:15PM	3/31/24 1:30AM	4:30	471.29	127248.30	Data from flow meter	MK
			3/1/2024 12:00AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>		Y	W	RAIN	0.28	3/1/24	03/03/24	3/1/24 12:00AM	3/1/24 12:30 PM	0:15	216.29	3244.35	Data from flow meter
005	Kerens Ave.	Tygart Valley River	3/2/2024 3:15AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	0.28	3/1/24	3/3/24	3/2/24 3:15AM	3/2/24 6:30AM	0:30	298.4	8982.00	Data from flow meter	MK
			3/9/2024 6:00AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	R/S	1.45	3/6/24	3/11/24	3/2/24 6:00AM	3/10/24 11:15PM	37:45	440.48	997687.20	Data from flow meter	MK
			3/15/2024 3:30AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	0.59	3/14/24	3/16/24	3/15/24 3:30AM	3/15/24 8:00 AM	4:45	385.33	109249.05	Data from flow meter	MK
			3/23/2024 1:00AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	0.5	3/22/24	03/23/24	3/23/204 1:00AM	3/23/24 9:15PM	4:45	272.24	77568.40	Data from flow meter	MK
			3/26/2024 3:30PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	0.32	3/26/24	03/27/24	3/26/24 3:30PM	3/26/24 6:45PM	2:45	336.83	55576.95	Data from flow meter	MK
006	Davis Ave.	Tygart Valley River	3/30/2024 8:15PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	0.51	3/30/24	3/31/24	3/30/24 8:15PM	3/31/24 12:45AM	3:15	497.12	96938.40	Data from flow meter	MK
			3/9/2024 6:15AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	R/S	1.45	3/6/24	03/11/24	3/9/24 6:15AM	3/9/24 7:45PM	3:00	154.48	27806.40	Data from flow meter	MK
			3/26/2024 4:15PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	0.32	3/26/24	3/27/24	3/26/24 4:15PM	3/26/24 5:15 AM	0:15	42.32	634.80	Data from flow meter	MK
007	R.R. Ave./1st. Street	Tygart Valley River	3/30/2024 8:15PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	0.51	3/30/24	3/31/24	3/30/24 8:15PM	3/30/24 10:150M	1:30	296.46	26681.40	Data from flow meter	MK
			3/23/2024 2:45AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	0.50	3/22/24	3/23/24	3/23/24 2:45AM	3/23/24 10:00PM	0:15	29.49	442.35	Data from flow meter	MK
			3/30/2024 10:00PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	0.51	3/30/24	03/31/24	3/30/24 10:00PM	3/30/24 10:00PM	0:15	146.16	2192.40	Data from flow meter	MK

008	Worth Ave.	Tygart Valley River	3/9/2024 6:15AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	R/S	1.45	3/8/24	3/11/24	3/9/24 6:15AM	3/10/24 11:45PM	9:15	484.49	268891.95	Data from flow meter	MK
			3/15/2024 4:00AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	0.59	3/14/24	03/16/24	3/15/24 4:00AM	3/16/24 6:15AM	1:15	293.33	21999.75	Data from flow meter	MK
			3/26/2024 4:30PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	0.32	3/26/24	3/27/24	3/26/24 4:30PM	3/26/24 6:30PM	0:45	287.4	12833.00	Data from flow meter	MK
			3/30/2024 8:30PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	0.51	3/30/24	3/31/24	3/30/24 8:30PM	3/30/24 10:45PM	2:15	731.23	98716.05	Data from flow meter	MK
			3/1/2024 12:30PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	0.28	3/1/24	3/3/24	3/1/24 12:30PM	3/2/24 5:15 PM	3:00	1256.02	226083.60	Data from flow meter	MK
011	Mt. View Dr.	Tygart Valley River	3/9/2024 7:45am	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	R/S	1.45	3/6/24	03/11/24	3/9/24 7:45AM	3/11/24 4:15AM	21:45	76.83	100263.15	Data from flow meter	MK
			3/15/2024 5:30AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	0.59	3/14/24	3/16/24	3/15/24 5:30AM	3/15/24 6:30AM	1:00	4.38	262.80	Data from flow meter	MK
			3/15/2024 6:30PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	0.59	3/14/24	3/16/24	3/15/24 6:30PM	3/15/24 8:45PM	2:00	4.11	493.20	Data from flow meter	MK
			3/22/2024 6:30AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	0.60	3/22/24	3/23/24	3/22/24 6:30AM	3/22/24 8:15AM	0:15	242.7	3640.50	Data from flow meter	MK
			3/30/2024 9:00PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	0.51	3/30/24	03/31/24	3/30/24 9:00PM	3/31/24 1:00AM	3:30	14.54	3053.40	Data from flow meter	MK
017	S. Davis Ave.	Tygart Valley River	3/1/2024 2:00AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	0.28	3/1/24	3/3/24	3/1/24 2:00AM	3/1/24 4:00AM	0:30	325.99	9869.70	Data from flow meter	MK
			3/2/2024 3:00AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	0.28	3/1/24	03/03/24	3/2/24 3:00AM	3/2/24 6:30AM	4:45	8.08	2302.80	Data from flow meter	MK
			3/1/2024 11:45am	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	R/S	1.45	3/6/24	3/11/24	3/1/24 11:45AM	3/6/24 3:45PM	8:45	3.5	1837.50	Data from flow meter	MK
			3/9/2024 5:45AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	R/S	1.45	3/6/24	3/11/24	3/9/24 5:45AM	3/1/24 6:30PM	31:30	1890	433849.50	Data from flow meter	MK
			3/16/2024 3:00AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	0.59	3/14/24	3/16/24	3/15/24 3:00AM	3/15/24 8:15PM	12:15	10.49	7710.15	Data from flow meter	MK
018	S. Kerens Ave.	Tygart Valley River	3/16/2024 2:30PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	0.59	3/14/24	03/16/24	3/16/24 2:30PM	3/16/24 8:30PM	5:15	0.46	144.90	Data from flow meter	MK
			3/23/2024 12:45AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	0.5	3/22/24	03/23/24	3/23/24 12:45AM	3/23/24 4:45AM	3:00	2.78	500.40	Data from flow meter	MK
			3/26/2024 3:15PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	0.32	3/26/24	3/27/24	3/26/24 3:15PM	3/26/24 6:00PM	2:15	54.64	7376.40	Data from flow meter	MK
			3/30/2024 8:15PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Y	W	RAIN	0.51	3/30/24	03/31/24	3/30/24 8:15PM	3/30/24 11:00PM	2:45	164.1	27076.50	Data from flow meter	MK
			3/1/2024 9:45AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	0.28	3/1/24	3/3/24	3/1/24 9:45AM	3/1/24 2:00PM	3:15	1.43	276.85	Data from flow meter	MK
019	S. Henry Ave.	Tygart Valley River	3/9/2024 11:30AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	0.28	3/1/24	03/03/24	3/9/24 11:30 AM	3/9/24 3:30AM	12:45	0.66	504.90	Data from flow meter	MK
			3/9/2024 6:15AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	R/S	1.45	3/6/24	3/11/24	3/9/24 6:15AM	3/10/24 5:00AM	11:45	351.07	247504.35	Data from flow meter	MK
			3/11/2024 10:45AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	R/S	1.45	3/6/24	3/11/24	3/11/24 10:45AM	3/11/24 2:00PM	3:00	3	540.00	Data from flow meter	MK
			3/26/2024 5:30PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	0.32	3/26/24	03/27/24	3/26/24 5:30PM	3/26/24 5:45PM	0:15	160.37	2405.55	Data from flow meter	MK
			3/30/2024 8:15PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	0.51	3/30/24	03/31/24	3/30/24 8:15PM	3/30/24 10:45PM	2:30	446.75	67012.60	Data from flow meter	MK
020	Flood Control Road	Tygart Valley River	3/9/2024 10:00AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	R/S	1.45	3/6/24	3/11/24	3/9/2024 10:00AM	3/9/24 12:30PM	2:15	159.74	21564.90	Data from flow meter	MK
			3/10/2024 7:15AM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	R/S	1.45	3/6/24	03/11/24	3/10/24 7:15AM	3/10/24 7:30AM	0:15	2.86	42.90	Data from flow meter	MK
			3/26/2024 5:30PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GOOD	<input checked="" type="checkbox"/>	Y	W	RAIN	0.32	3/26/24	3/27/24	3/26/24 5:30 PM	3/26/24 5:45PM	0:15	160.37	2405.55	Data from flow meter	MK
Monthly Precipitation																				
			Total Estimated Monthly Discharge 3.66																	

Wet Weather Events: 6 Dates: 3/1-3/3,3/6-3/11,3/14-3/16,3/22-3/23,3/26-3/27,3/30-3/31
 Dry Weather Events: 0 Dates:
 Total Events: 6

Events Summary
 Total Estimated Monthly Discharge 3.66
 6222831.12

Semi-Annual Plant Flow per CSO Discharge Event

4th Quarter 2023

Event Period	Outfalls Affected	Precipitation	Event Dates	Plant Influent Flow	Plant Effluent Flow
10/6-10/10	002,004,005,006, 008,018,019	0.79	10/6 10/7 10/9	2,306,626 1,677,155 2,255,077	2,151,100 1,887,900 2,201,900
10/14-10/17	002,004,005,018	1.15	10/14 10/15 10/16 10/17 10/18	3,958,697 2,800,460 2,485,865 2,698,179 2,073,761	3,447,800 2,681,200 2,307,100 2,569,800 2,014,200
10/20-10/23	002,004,005,008, 011	0.82	10/20 10/21 10/22	4,256,741 4,466,369 3,248,031	1,714,800 NO FLOW-SCADA DOWN NO FLOW-SCADA DOWN
11/9,11/11	004,005,006,008, 011,018	0.59	11/9 11/10	1,993,234 3,681,346	1,814,000 2,451,000
11/17-11/18	004,005,006,008, 018,019	0.51	11/17 11/18	3,390,118 3,153,741	3,238,000 2,939,000
11/21-11/23	002,004,005,006, 008,011,018,019 020	1.21	11/21 11/22 11/23	6,284,732 6,204,227 3,745,870	5,974,000 5,964,000 3,466,000
11/26-11/28	004,005,008	0.66	11/26 11/27 11/28	3,195,258 3,495,536 2,637,304	2,842,000 3,295,000 2,521,000
12/1-12/6	004,005,011	0.63	12/1 12/3 12/5	2,506,324 2,664,212 2,984,483	2,306,000 2,570,000 2,823,000
12/10-12/11	002,004,005,006, 008,011,018,019, 020	1.00	12/10	7,541,402	7,647,000
12/17-12/19	005,004	0.64	12/17	3,113,541	2,815,000
12/26-12/28	002,004,005,006, 008,011,018,019, 020	0.52	12/27	5,025,958	4,850,000

Semi-Annual Plant Flow per CSO Discharge Event
1st Quarter 2024

<u>Event Period</u>	<u>Outfalls Affected</u>	<u>Precipitation</u>	<u>Event Dates</u>	<u>Plant Influent Flow</u>	<u>Plant Effluent Flow</u>
1/4	011	0.06	1/5	2,126,720	2,062,000
1/6-1/10	002,004,005,006, 008,011,018,019, 020	1.53	1/6 1/7 1/8 1/9 1/10 1/11	5,594,288 6,019,460 4,450,672 7,596,849 6,604,132 4,216,113	5,516,000 5,761,000 4,117,000 8,237,000 6,588,000 4,043,000
1/12-1/15	020	0.31	1/12	3,012,526	2,700,000
1/24-1/26	004,005,008,011, 018,019	0.41	1/24 1/25 1/26	4,161,050 4,890,500 4,286,548	5,553,000 6,960,000 4,531,000
1/27-1/29	002,004,005,006, 008,011,018,019, 020	1.28	1/27 1/28 1/29	4,976,032 7,672,903 5,850,286	4,898,000 8,272,000 5,907,000
1/30-1/31	011,018	0.09	1/30 1/31	3,763,832 3,270,494	3,562,000 3,067,000
2/10-2/14	002,004,005,006, 008,011,017,018, 019,020	1.55	2/10 2/11 2/12 2/13 2/15	2,260,405 2,353,410 4,419,096 6,577,077 2,883,724	2,055,000 2,143,000 4,247,000 6,503,000 2,704,000
2/22-2/24	004,005,008,011, 017,018,020	0.64	2/22 2/23 2/24	5,541,312 5,265,044 4,400,360	5,274,000 4,960,000 4,083,000
2/27-2/29	002,004,005,006, 008,011,017,018, 019,020	1.04	2/27 2/28	3,744,893 7,042,523	3,373,000 6,923,000
3/1-3/3	004,005,011,017, 018,	0.28	3/1 3/2 3/3	3,626,875 4,116,991 3,043,499	3,225,000 3,714,000 2,643,000
3/6-3/11	002,004,005,006, 008,011,017,018, 019,020	1.45	3/6 3/7 3/9 3/10 3/11	3,077,807 2,690,116 7,165,881 6,247,282 4,059,072	2,500,000 2,357,000 7,293,000 5,614,000 3,790,000
3/14-3/16	004,005,008,011, 017	0.59	3/15 3/16	4,628,861 3,418,683	4,147,000 2,858,000
3/22-3/23	004,005,007,011, 017	0.5	3/22 3/23	2,679,926 3,296,218	2,012,000 2,834,000
3/26-3/27	002,004,005,006, 008,017,018,019	0.32	3/26 3/27	3,221,465 2,496,988	2,513,000 2,072,000
3/30-3/31	002,004,005,006, 007,008,011,017, 018,019,020	0.51	3/30	3,309,297	2,478,000

ELKINS WASTEWATER SPILL REPORT

SPILL PHONE NUMBER 1-800-642-3074

WVDEP Reference Number: 42-36642

SPILL START

DATE: 11/3/23

TIME: 1:30 PM

REPORTED TO WVDEP

PERSONNEL REPORTING: Mark Hartley

DATE: 11/3/23

TIME: 5:00 PM

SPILL CORRECTED

DATE: 11/3/23

TIME: 4:28 PM

REPORTED TO WVDEP

PERSONNEL REPORTING: Mark Hartley

DATE: 11/3/23

TIME: 5:00 PM

LOCATION: Outfall # C002 at Barron Ave.

FLOW TO STREAM? Yes

NAME OF STREAM: Tygart Valley River

TYPE OF MATERIAL SPILLED: Sewage

CAUSE: Barron Ave. lift station failed due to a pump tripped out and a float switch hung up because of grease in the wet well.

AMOUNT OF SPILL: 16,437 gallons

DURATION OF SPILL: 3 hours

CORRECTIVE ACTION TO STOP: Reset the tripped pump and cleaned the float switches.
Poured enzymes into the wet well to help in getting rid of the grease.

CORRECTIVE ACTION TO PREVENT FUTURE SPILLS: Will try to determine where
the grease came from and will monitor the wet well conditions more closely

COMMENTS: We have had past issues with grease and have talked to the managers of the
restaurants that tie into the lines that flow to that lift station but have not been able to determine
where it comes from. Gallons and duration are as recorded on flow meter on outfall pipe and
personal observations.

SIGNATURE OF PERSON REPORTING:

Mark Hartley

DATE: 11/7/23

SIGNATURE OF CERTIFIED OPERATOR:

John Howell

DATE: 11/7/23

ELKINS WASTEWATER SPILL REPORT

SPILL PHONE NUMBER 1-800-642-3074

WVDEP Reference Number: 42-36663 A

SPILL START

DATE: 11/3/23
TIME: 2:00PM

REPORTED TO WVDEP

PERSONNEL REPORTING: Joe Johnson
DATE: 11/6/23
TIME: 9:30am

SPILL CORRECTED

DATE: 11/3/23
TIME: 6:30PM

REPORTED TO WVDEP

PERSONNEL REPORTING: Joe Johnson
DATE: 11/6/23
TIME: 9:30am

LOCATION: Outfall C004 Henry Ave

FLOW TO STREAM? YES

NAME OF STREAM: Tygart Valley River

TYPE OF MATERIAL SPILLED: Sewer

CAUSE: Unknown

AMOUNT OF SPILL: 173835.9 gals

DURATION OF SPILL: 1:45 mins

CORRECTIVE ACTION TO STOP: Checked regulator structure for restrictions

CORRECTIVE ACTION TO PREVENT FUTURE SPILLS: Ongoing CSO maintenance which includes inspections of CSO structures as well as review of flow meter data.

COMMENTS: No discharge or evidence of a discharge was observed during routine CSO inspection. Discharge was discovered during later review of flow meter data. Regulator may have been partially blocked then later washed out.

SIGNATURE OF PERSON REPORTING: 

DATE: 11/6/2023

SIGNATURE OF CERTIFIED OPERATOR: 

DATE: 11/6/2023

ELKINS WASTEWATER SPILL REPORT

SPILL PHONE NUMBER 1-800-642-3074

WVDEP Reference Number: 42-36663 B

SPILL START

DATE: 11/5/23
TIME: 9:15am

REPORTED TO WVDEP

PERSONNEL REPORTING: Joe Johnson
DATE: 11/6/23
TIME: 9:30am

SPILL CORRECTED

DATE: 11/5/23
TIME: 5:30pm

REPORTED TO WVDEP

PERSONNEL REPORTING: Joe Johnson
DATE: 11/6/23
TIME: 9:30am

LOCATION: Outfall C004 Henry Ave

FLOW TO STREAM? YES

NAME OF STREAM: Tygart Valley River

TYPE OF MATERIAL SPILLED: Sewer

CAUSE: Unknown

AMOUNT OF SPILL: 463938.75 gals

DURATION OF SPILL: 3:45 mins

CORRECTIVE ACTION TO STOP: Checked regulator structure for restrictions

CORRECTIVE ACTION TO PREVENT FUTURE SPILLS: Ongoing CSO maintenance
which includes inspections of CSO structures as well as review of flow meter data.

COMMENTS: No discharge or evidence of a discharge was observed during routine CSO inspection
Discharge was discovered during later review of flow meter data. Regulator may have been
partially blocked then later washed out.

SIGNATURE OF PERSON REPORTING: 

DATE: 11/6/2023

SIGNATURE OF CERTIFIED OPERATOR: 

DATE: 11/6/2023

ELKINS WASTEWATER SPILL REPORT

SPILL PHONE NUMBER 1-800-642-3074

WVDEP Reference Number: 42-36663 A

UPDATE ON 11/7/2023 (WLH)

SPILL START DATE: <u>11/3/23</u> TIME: <u>2:00PM</u>	SPILL CORRECTED DATE: <u>11/3/23</u> TIME: <u>6:30PM</u>
REPORTED TO WVDEP PERSONNEL REPORTING: <u>Joe Johnson</u> DATE: <u>11/6/23</u> TIME: <u>9:30am</u>	REPORTED TO WVDEP PERSONNEL REPORTING: <u>Joe Johnson</u> DATE: <u>11/6/23</u> TIME: <u>9:30am</u>

LOCATION: Outfall C004 Henry Ave

FLOW TO STREAM? YES NAME OF STREAM: Tygart Valley River

TYPE OF MATERIAL SPILLED: Sewer

CAUSE: Unknown
Further inspection found that the Elkins Water Department flushed a hydrant on Henry Ave due to a customer complaint. The water from flushing this hydrant entered a combined sewer collection point and overloaded the wastewater collection system lines that resulted in a dry weather discharge from C004. Dates and times of the CSO discharge were verified with the Elkins Water Department flushing schedule. (WLH)

AMOUNT OF SPILL: 173835.9 gals

DURATION OF SPILL: 1:45 mins

CORRECTIVE ACTION TO STOP: Checked regulator structure for restrictions
Spill on 11/3/2023 (Friday) was not found until 11/6/2023 (Monday) when flow data was reviewed. Regulator structure was checked for restrictions but none was found. Further inspection was completed and noted that hydrant flushing occurred during this date and time, which was verified with the Elkins Water Department (WLH)

CORRECTIVE ACTION TO PREVENT FUTURE SPILLS: Ongoing CSO maintenance which includes inspections of CSO structures as well as review of flow meter data.
Instructions were provided to the Elkins Water Department that notification should be given to the Elkins Wastewater Department when flushing may occur to indicate potential problem areas. It was also discussed, that flows should be regulated to prevent overloading of the wastewater collection system (WLH).

COMMENTS: No discharge or evidence of a discharge was observed during routine CSO inspection
Discharge was discovered during later review of flow meter data. Regulator may have been partially blocked then later washed out.
Regulator was not blocked discharge caused from hydrant flushing in the area. Water/Wastewater Departments will collaborate in the future to prevent any discharges due to hydrant flushing (WLH)

SIGNATURE OF PERSON REPORTING: [Signature]
DATE: 11/6/23 RESUBMITTED ON 11/7/2023 With UPDATES (WLH)

SIGNATURE OF CERTIFIED OPERATOR: [Signature]
DATE: 11/6/23 RESUBMITTED ON 11/7/2023 With UPDATES (WLH)

ELKINS WASTEWATER SPILL REPORT

SPILL PHONE NUMBER 1-800-642-3074

WVDEP Reference Number: 42-36663 B

UPDATE ON 11/7/2023 (WLH)

SPILL START

DATE: 11/5/23
TIME: 9:15am

REPORTED TO WVDEP

PERSONNEL REPORTING: Joe Johnson
DATE: 11/6/23
TIME: 9:30am

SPILL CORRECTED

DATE: 11/5/23
TIME: 5:30pm

REPORTED TO WVDEP

PERSONNEL REPORTING: Joe Johnson
DATE: 11/6/23
TIME: 9:30am

LOCATION: Outfall C004 Henry Ave

FLOW TO STREAM? YES

NAME OF STREAM: Tygart Valley River

TYPE OF MATERIAL SPILLED: Sewer

CAUSE: Unknown

Further inspection found that the Elkins Water Department flushed a hydrant on Henry Ave due to a customer complaint. The water from flushing this hydrant entered a combined sewer collection point and overloaded the wastewater collection system lines that resulted in a dry weather discharge from C004. Dates and times of the CSO discharge were verified with the Elkins Water Department flushing schedule. (WLH)

AMOUNT OF SPILL: 463938.75 gals

DURATION OF SPILL: 3:45 mins

CORRECTIVE ACTION TO STOP: Checked regulator structure for restrictions

Spill on 11/5/2023 (Sunday) was not found until 11/6/2023 (Monday) when flow data was reviewed. Regulator structure was checked for restrictions but none was found. Further inspection was completed and noted that hydrant flushing occurred during this date and time, which was verified with the Elkins Water Department (WLH)

CORRECTIVE ACTION TO PREVENT FUTURE SPILLS: Ongoing CSO maintenance which includes inspections of CSO structures as well as review of flow meter data.

Instructions were provided to the Elkins Water Department that notification should be given to the Elkins Wastewater Department when flushing may occur to indicate potential problem areas. It was also discussed, that flows should be regulated to prevent overloading of the wastewater collection system (WLH).

COMMENTS: No discharge or evidence of a discharge was observed during routine CSO inspection

Discharge was discovered during later review of flow meter data. Regulator may have been partially blocked then later washed out.

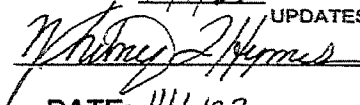
Regulator was not blocked-discharge caused from hydrant flushing in the area. Water/Wastewater Departments will collaborate in the future to prevent any discharges due to hydrant flushing (WLH)

SIGNATURE OF PERSON REPORTING: _____



DATE: 11/6/23 RESUBMITTED ON 11/7/2023 With UPDATES (WLH)

SIGNATURE OF CERTIFIED OPERATOR: _____



DATE: 11/6/23 RESUBMITTED ON 11/7/2023 With UPDATES (WLH)

ELKINS WASTEWATER SPILL REPORT

SPILL PHONE NUMBER 1-800-642-3074

WVDEP Reference Number: 42-37915

SPILL START

DATE: 2/3/24
TIME: 10:15AM

REPORTED TO WVDEP

PERSONNEL REPORTING: Mark Hartley
DATE: 2/3/24
TIME: 11:00AM WVDEP Employee: UNKNOWN

SPILL CORRECTED

DATE: 2/5/24
TIME: 11:15AM

REPORTED TO WVDEP

PERSONNEL REPORTING: Whitney Hymes
DATE: 2/6/24
TIME: 7:32AM WVDEP Employee: Jack

LOCATION: Outfall C016-S. Railroad Ave [38.92224 -79.851078]

FLOW TO STREAM? Yes NAME OF STREAM: Tygart Valley River

TYPE OF MATERIAL SPILLED: Sewage

CAUSE: Blockage of sewer main resulted in restricted flow causing combined sewer outfall C016 to discharge under dry weather conditions.

AMOUNT OF SPILL: 62,299.4gals [average 317.85gpm]-metered data

DURATION OF SPILL: Approximately 49HRS (2940mins)

CORRECTIVE ACTION TO STOP:

Blockage of sewer main was removed allowing adequate flow and decreasing flow to CSO C016. 300ft of sewer main was also cleaned and vacuumed out to remove any grit and debris remaining in line downstream and upstream of blockage. Line was re-evaluated later in the day and following day to ensure flow was continuous and all restrictions were removed. Flow meter in C016 was also monitored for fluctuations in flows.

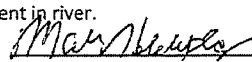

CORRECTIVE ACTION TO PREVENT FUTURE SPILLS:

Ongoing CSO maintenance which includes inspections of CSO structures as well as review of flow meter data. Also, implementing a routine cleaning and line maintenance program. The City of Elkins is currently in the process of implementing projects to separate stormwater and reduce I&I. One of these proposed projects is rerouting the South Interceptor to decrease flows to these CSO's. The City is also actively pursuing hiring a full-time CSO Inspector/Pretreatment Coordinator to focus mainly on CSO and pretreatment needs.

COMMENTS:

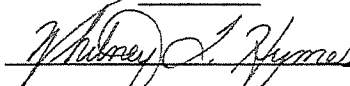
Wastewater Collection Supervisor (Mark Hartley) was contacted on 2/3/2024 (Saturday) by Robin Dolly and Tom Ditty (WVDEP) around 10:15AM concerning reported spill 42-37913 [oil spill] in the Tygart River. Oil was thought to be getting into Tygart through either the combined sewer discharge or stormwater discharge. Inspection of drainage area was completed but source of oil spill was not found. Upon inspection, it was noted that C016 was discharging under dry weather. Brush was also removed from CSO location and flow meter calibrated. Cleanup of site is still ongoing with the removal of sediment in river.

SIGNATURE OF PERSON REPORTING:

DATE: 2/7/24

SIGNATURE OF CERTIFIED OPERATOR:



DATE: 2/7/24

ELKINS WASTEWATER SPILL REPORT

SPILL PHONE NUMBER 1-800-642-3074

WVDEP Reference Number: 42-37980

SPILL START	
DATE:	<u>2/6/24</u>
TIME:	<u>12:15PM</u>
REPORTED TO WVDEP	
PERSONNEL REPORTING:	<u>Whitney Hymes</u>
DATE:	<u>2/7/24</u>
TIME:	<u>5:04PM</u> WVDEP Employee: Hannah

SPILL CORRECTED	
DATE:	<u>2/8/24</u>
TIME:	<u>12:15PM</u>
REPORTED TO WVDEP	
PERSONNEL REPORTING:	<u>Whitney Hymes</u>
DATE:	<u>2/9/24</u>
TIME:	<u>8:26AM</u> WVDEP Employee: Jack

LOCATION:	<u>Outfall C016-S. Railroad Ave [38.92224 -79.851078]</u>		
FLOW TO STREAM?	<u>Yes</u>	NAME OF STREAM:	<u>Tygart Valley River</u>
TYPE OF MATERIAL SPILLED:	<u>Sewage</u>		
CAUSE:	<u>Ongoing maintenance to correct dry weather discharge occurring on 2/3/2024: Blockage of sewer main and overflow pipe resulted in restricted flow causing combined sewer outfall C016 to discharge under dry weather conditions.</u>		
AMOUNT OF SPILL:	<u>1,861.082gals [average 9.90gpm]-metered data</u>		
DURATION OF SPILL:	<u>Approximately 48HRS (2880mins)</u>		

CORRECTIVE ACTION TO STOP:
<u>Overflow pipe location, manhole, and channel was cleaned of grit and sediment. An additional 400ft of sewer main was cleaned to the additional 300ft cleaned on 2/5/2024. Line was cleaned and inspected downstream of overflow and CSO C016 to remove any sediment that shifted down line when cleaning overflow.</u>
CORRECTIVE ACTION TO PREVENT FUTURE SPILLS:
<u>Ongoing CSO maintenance which includes inspections of CSO structures as well as review of flow meter data. Also, implementing a routine cleaning and line maintenance program. The City of Elkins is currently in the process of implementing projects to separate stormwater and reduce I&I. One of these proposed projects is rerouting the South Interceptor to decrease flows to these CSO's. The City is also actively pursuing hiring a full-time CSO Inspector/Pretreatment Coordinator to focus mainly on CSO and pretreatment needs. Also considering construction of dam wall to help divert flows through sewer main and not overflow pipe</u>

COMMENTS:	<u>Hired contract pumping service company to come and clean sediment from river under outfall C016. Cleaned all debris and trash from location. Installed new rip rap under outfall.</u>
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SIGNATURE OF PERSON REPORTING:	<u>Whitney L. Hymes</u>
DATE:	<u>2/9/24</u>
SIGNATURE OF CERTIFIED OPERATOR:	<u>Whitney L. Hymes</u>
DATE:	<u>2/9/24</u>

ELKINS WASTEWATER SPILL REPORT

SPILL PHONE NUMBER 1-800-642-3074

WVDEP Reference Number: 42-38368

SPILL START

DATE: 2/28/24

TIME: 1:00PM

REPORTED TO WVDEP

PERSONNEL REPORTING: Whitney Hymes

DATE: 2/28/24

TIME: 1:45PM WVDEP Employee: Hannah

SPILL CORRECTED

DATE: 2/29/24

TIME: 12:30PM

REPORTED TO WVDEP

PERSONNEL REPORTING: Whitney Hymes

DATE: 3/1/24

TIME: 9:05AM WVDEP Employee: Jack

LOCATION: 122 Ellis Drive

FLOW TO STREAM? No

NAME OF STREAM: N/A

TYPE OF MATERIAL SPILLED: Sewage

CAUSE: Amount and intensity of rainfall in duration of time presented resulted in sewage collection lines and lift station reaching max capacity allowing sewage surcharge from manhole relief point. Only discharges during extreme wet weather events.

AMOUNT OF SPILL: Approximately 844,590gals [average 599gpm]-estimated flow based on full 8" pipe actual discharge is unknown.

DURATION OF SPILL: Approximately 23 1/2HRS (1410mins)

CORRECTIVE ACTION TO STOP:

The surcharge at manhole location ceased after flow subsided in collection system from heavy rain event. After discharge, debris from spill was removed and area cleaned. Lime was placed around site for a vector/pathogen reduction method.

CORRECTIVE ACTION TO PREVENT FUTURE SPILLS:

Pumps in AB Andrews lift Station (Lift Station #6) will be inspected for pumping efficiency to ensure that the maximum amount of flow can be pumped during a rain event. Also inspecting the idea of upsizing the overflow pipe for the station to help eliminate discharge along manhole points. Other options reviewed was upgrading the current 8" line to a large size to handle high capacity and to help provide a stormwater source to help residents remove downspouts and other point water discharges from the sewer.

COMMENTS: Manhole only surcharges during high heavy extreme rain events (wet weather) when lines are at capacity. Discharge during dry weather has not been noted.

SIGNATURE OF PERSON REPORTING:

Whitney L Hymes

DATE: 3/1/24

SIGNATURE OF CERTIFIED OPERATOR:

Whitney L Hymes

DATE: 3/1/24

ELKINS WASTEWATER SPILL REPORT

SPILL PHONE NUMBER 1-800-642-3074

WVDEP Reference Number: 42-39789

SPILL START

DATE: 3/20/24

TIME: 9:30PM-Received Compliant

REPORTED TO WVDEP

PERSONNEL REPORTING: Whitney Hymes

DATE: 3/21/24

TIME: 1:16PM WVDEP Employee: Jack

SPILL CORRECTED

DATE: 3/21/24

TIME: 12:00PM

REPORTED TO WVDEP

PERSONNEL REPORTING: Whitney Hymes

DATE: 3/21/24

TIME: 1:16PM WVDEP Employee: Jack

LOCATION: 301 Randolph Ave, Elkins WV 26241

FLOW TO STREAM? No

NAME OF STREAM: N/A

TYPE OF MATERIAL SPILLED: Sewage

CAUSE: Blockage in lateral resulted in backup pressure forcing sewage from connection joints (bells) of line. Sewage was seeping into ground around joints. When line was excavated to find issue, pressure forced sewage into excavation site and surrounding ground.

AMOUNT OF SPILL: Approximately 50-80gals estimated flow

DURATION OF SPILL: Approximately 12HRS (720mins)-this is time from receipt of compliant not total of a continuous discharge

CORRECTIVE ACTION TO STOP:

Vactor truck was used to pump discharged sewage material from location. Jetter was used to clear blockage and clean line to allow adequate flow. Line was televised for imperfections and no infrastructure issues were found. Grease was removed from the line. Line was also dyed to prove flow location to manhole. Manhole was watched to ensure that blockage was removed efficiently.

CORRECTIVE ACTION TO PREVENT FUTURE SPILLS:

Line was televised to ensure that there were no imperfections in infrastructure. None were found. Line was flushed while downstream manhole was inspected to ensure blockage was adequately removed and flow was properly moving. Cleanout was installed on line to periodically inspect and clean and to perform preventative maintenance if necessary.

COMMENTS: Compliant was received by Wastewater Collection Supervisor on 3/20/2024 at approximately 9:30PM of standing water in Randolph Ave. Supervisor inspected that night and there was a small pool of water in road. Morning of 3/21/2024, inspection noted sewage backup. Line was cleaned and sewage spill cleaned with pumper truck.

SIGNATURE OF PERSON REPORTING:

Whitney L Hymes

DATE: 3/25/24

SIGNATURE OF CERTIFIED OPERATOR:

Whitney L Hymes

DATE: 3/25/24

**CITY OF ELKINS
WASTEWATER COLLECTION
COMPLAINT SUMMARY
4TH Quarter 2023**

DATE	ADDRESS	COMPLAINANT	COMPLAINT	CAUSE	CORRECTIVE ACTION	OPERATOR(S)
10/6/2023	Glendale Ave	Tom Ditty	Sewer Complaint	He wanted to check manholes	Checked everything and it was alright	M.H.G.H
10/13/2023	906 S Henry Ave	No Name	Sewer Complaint	Sewer backing up	Used Vactor truck couldn't get it open	J.T.M.H.N.Y.G.H
10/17/2023	Bell Hill	Tom Ditty	Diesel Spill	Someone lost diesel fuel in the road	It didn't get into the sewer lines	M.H.M.C
10/18/2023	107 Orchard St	Burgess & Niple	Smoke Test	Smoke was coming up in their basement	We told them it would go away	M.H
10/18/2023	34 Boyd St	No name	Sewer Complaint	Hole in their yard beside the curb	Told them it was on them and they had to dig it up	M.H
10/19/2023	2 Park St	No Name	Storm drain plugged	Water backing up	Told them to call a plumber	M.H.J.T.G.H
10/25/2023	200 Randolph Ave	No Name	Sewer Complaint	Sewer Main plugged	Used Vactor truck to get it open 130'	J.T.J.R.N.Y.G.H
10/27/2023	1028 S Henry Ave	No Name	Sewer Complaint	Wanted their sewer seperated	Told them to wait until next week	M.H.N.Y.J.R
10/27/2023	110 West View	No Name	Sewer Complaint	Sewer plugged	We checked sewer main it was open	J.T.G.H
10/27/2023	128 Diamond	Bart	Sewer Complaint	Sewer backing up	We used camera to locate sewer line	J.T.G.H
10/30/2023	240 Boundary Ave	No Name	Sewer Problem	Sewer backing up	Cleanout was open on our end	J.R.N.Y
10/31/2023	636 Robert E Lee	No Name	Sewer Problem	Sewer backing up in basement	We used Vactor truck to get it open 70'	J.T.N.Y.M.H.J.R
11/6/2023	1092 Harrison Ave	No Name	Sewer Complaint	Sewer backing up	We used Vactor truck to clean it and then televised it	J.T.J.R.G.H
11/7/2023	10 Spruce St	No Name	Sewer Complaint	Sewer working slow	Checked sewer main it was open	J.T.J.R.G.H
11/7/2023	16 Henry Ave	No Name	Sewer Complaint	Sewer tap plugged	We are going to make them a new sewer tap	M.H.M.C
11/8/2023	1036 Harrison Ave	DJ	Sewer Complaint	Water coming out of patch in road	We televised sewer tap and main they were both open	M.H.J.T.W.H.J.R
11/16/2023	123 South Gate Rd	Dewaine	Sewer Complaint	Sewer tap plugged	Used Vactor truck to get it open 10'	J.T.N.Y.J.R.G.H
11/17/2023	201 Davis Ave	No Name	Water problem	Basement full of water	Told them to put it into catch basin	M.H.J.R
11/21/2023	Steer Steakhouse	No Name	Sewer working slow	Tap plugged	Checked our end it was open	J.T.G.H
11/22/2023	7 Goff St	No Name	Sewer Problem	Sewer tap plugged	Used Vactor truck to get it open 100'	J.T.G.H
11/27/2023	305 Marro Drive	No Name	Sewer Complaint	Sewer tap plugged	Checked main and cleanout they were open	J.T.J.R
12/19/2023	110 Hanley St	Kevin	Sewer Complaint	Sewer backing up	We checked sewer main it was open	J.T.J.R.G.H.M.H
12/28/2023	16 Locust St	No Name	Sewer Complaint	Sewer backing up	Used Vactor truck to get it open	J.T.J.R.G.H

**CITY OF ELKINS
WASTEWATER COLLECTION
COMPLAINT SUMMARY
1st Quarter 2024**

DATE	ADDRESS	COMPLAINANT	COMPLAINT	CAUSE	CORRECTIVE ACTION	OPERATOR(S)
1/3/2024	217 Evergreen Dr	No name	Sewer Problem	Sewer backing up	Sewer main was Open we told them to call a plumber	J.T.J.R
1/4/2024	105 Ellis Ave	No name	Sewer Problem	Sewer tap plugged	Used vactor truck to get it open 50'	J.T.J.R G.H
1/5/2024	929 S Davis Ave	Reckart Logistics	Sewer Problem	Sewer backing up	Used vactor truck to get it open 224'	J.T.J.R G.H
1/8/2024	460 Wilson St	Woodlands	Sewer Problem	Sewer tap plugged	Used jetter truck to get it open for them 25'	M.H.J.T.J.R.G.H.M.C
1/9/2024	103 Randolph Ave	Pack & Ship	Sewer Problem	Sewer backing up	He was going to snake it and televise it	M.H.M.C
1/9/2024	124 Harpertown Rd	Donnie Huffman	Sewer Problem	Sewer tap plugged	Used jetter truck to get it open 150' problem was on them	J.T.J.R G.H
1/12/2024	1513 Harrison Ave	Shop n Save	Sewer Problem	Sewer backing up	Checked our main it was flowing good, told them to call plumber	J.T.M.H.J.R.G.H
1/16/2024	103 Randolph Ave	Pack & Ship	Sewer Problem	Sewer backing up	We're going to televise sewer main and go from there	M.H.M.C
1/17/2024	Lynns Golf	Audrey	Dust in catch basin	they were core drilling	Catch basin goes to the river, we told her to get ahold of DEP	J.T.M.H.M.C
1/22/2024	28 High St	No name	New sewer tap	Replaced sewer tap	His ties into his neighbors line	M.H.M.C.J.R.G.H.T.W
1/23/2024	929 S Davis Ave	Reckart Logistics	Sewer Problem	Sewer backing up	Used vactor truck to clean sewer main 230'	M.H.M.C.J.R.T.W.G.H
1/25/2024	105 Ellis Ave	No name	Sewer Problem	Sewer tap plugged	Used vactor truck to get it open 25'	M.H.J.R.G.H
1/25/2024	605 W Main	No name	Sewer Problem	Sewer tap plugged	Used jetter truck to get it open 100'	J.R.T.W.G.H
1/29/2024	1506 Lavalette Ave	No name	Sewer Problem	Sewer backing up	No clean out and main was open, we will be back to trace snake	M.H.M.C
2/1/2024	12 1/2 Walnut st	No name	Sewer Problem	Sewer was full of grease	Used vactor truck to clean sewer main 200'	J.T.J.R.T.W.G.H
2/5/2024	944 S Kerens Ave	No name	Sewer Problem	Sewer backing up	They didn't have a cleanout, sewer main was flowing good	J.T.M.H.T.W
2/7/2024	501 Randolph Ave	No name	Sewer Problem	Sewer tap plugged	Used Jetter truck to get them open 100'	J.T.T.W
2/12/2024	34 Boyd St	Mark	Sewer Problem	Hole in yard	We told him to dig it up and put a cleanout on it	J.T.T.W
2/12/2024	136 Grant St	No name	Sewer Problem	Sewer tap plugged	Used vactor truck to get it open, was plugged at check valve	J.T.T.W.J.R.G.H
2/13/2024	3 S Earle St	No name	Sewer Problem	Sewer tap plugged	No clean out sewer main was open hes going to dig it up	M.H.J.R.T.W
2/22/2024	Delaware Ave	No name	Sewer Problem	Sewer tap plugged	Used vactor truck to get it open 100' full of rags and a sheetz cup	J.T.J.R.M.H.T.W
2/22/2024	17 Henry Ave	No name	Storm Problem	Hole in the road	They put rock in the hole	J.T.M.H
2/23/2024	18 Boundary Ave	No name	Sewer Problem	Sewer main plugged	Used Jetter truck to get it open 75'	J.T.T.W
2/26/2024	Kroger	Kroger	Sewer Problem	Sewer main plugged	Used Jetter truck to get it open 275' full of grease	J.T.T.W.J.R
2/26/2024	119 Vector Ave	No name	Storm Problem	Where to tie storm drain into	We told him to get ahold of the HOA it belongs to them	M.H.M.C
2/28/2024	122 Ellis Ave	No name	Sewer Problem	Man hole discharging from rain	Lift station was working OK and checked all manholes	M.H.J.T.J.R.T.W.G.H
2/29/2024	5 Goff St	No name	Sewer Problem	Sewer tap plugged	Used vactor truck to get it open	J.T.T.W
3/5/2024	1091 Harrison Ave	No name	Sewer Problem	Sump pump stopped working	We told him he has to fix it and he has a new pump to install	M.H.M.C
3/7/2024	1713 S Davis Ave	No name	Sewer Problem	Sewer tap plugged	They didn't have a cleanout and main was open	J.T.T.W
3/11/2024	5 Goff St	No name	Sewer Problem	Sewer tap plugged	Used vactor truck to get it open 190'	M.H.M.C.J.T.T.W.G.H
3/12/2024	Randolph Ave	No name	Sewer Problem	Water running down the street	Clean out was empty	J.T.T.W
3/14/2024	Moore St	Ryan	Sewer Problem	Sewer tap plugged	Used vactor truck to get it open 200'	J.T.M.H.J.R.G.H
3/15/2024	601 North 12th St	No name	Sewer Problem	Sewer main plugged	Cleaned sewer main 200'	J.T.T.W.J.R.G.H
3/20/2024	136 Guy St	No name	Sewer Complaint	Sewer backing up	Checked main it was open told them to call plumber	J.T.T.W
3/21/2024	Randolph Ave	No name	Sewer Complaint	Sewer tap plugged	Installed a cleanout and got it open 50'	J.T.T.W.M.H.G.H
3/26/2024	111 Sunset drive	No name	Sewer Problem	Sewer main plugged	Used jetter truck to get it open 400'	T.W.J.R.G.H

Semi-Annual Equipment Maintenance Summary
4th Quarter 2023 – 1st Quarter 2024

Date	Location	Equipment	Maintenance
			NO EQUIPMENT MAINTENANCE RECORDED
			FOR OCTOBER 1, 2023-MARCH 31, 2024
			[4th 2023 Quarter-1st 2024 Quarter]

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 l.f. 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 begin 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.