

**ENERGY AND ENVIRONMENT CABINET  
 KENTUCKY DEPARTMENT FOR ENVIRONMENTAL PROTECTION  
 DIVISION OF WATER  
 Routine Surface Inspection**

Site/Permit ID: KY0960126		Division: <b>Water</b>		Regional Office: Florence	
Site Name: City of Falmouth			Program: <b>Drinking Water</b>		
Site Address: 508 East Shelby Street					
City: Falmouth		State: KY	Zip: 41040	County: Pendleton	
Inspection Type: Routine Surface		Purpose: Comprehensive		AI #: 3405	
Inspection Date: 2/6/25		Time: Start 11:00 AM End 1:15 PM			
Latitude:		Longitude:			
Coordinate Collection Method:				Revision Code: 112108	
<b>Drinking Water Data</b>					
Plant Name: Falmouth WTP		Contact Name:			
Phone No.: 859.654.3328		Fax No:		Email Address:	

**I. Administrative Requirements**

**Comments:** All manuals are up to date.

**I. Compliance Status** - No violations observed

**II. Operator Certification/Accreditation Requirements**

**Operator in Charge or on duty.**

Operator Name	Plant Certification #	Distribution Certification #

**Comments:** The system has a current staffing plan.

**II. Compliance Status** - No violations observed

**III. Record Keeping Requirements**

**Comments:**

**III. Compliance Status** - Not Evaluated

#### IV. Reporting Requirements

Comments:

IV. Compliance Status - Not Evaluated

#### V. Operation & Maintenance/Performance Requirements

Plant Type:  C  N  P Service Connections:991 Population Served:2666

Average Production MGD: 0.8 Max. Production MGD: 1.372 Design Capacity MGD: 2.0

Source: Licking River

**RATING CODES:** S1=No Violations Observed; S2=No Violations Obs-but impending viol trends obs; U1=Out of Compliance-No action taken; U2= Out of Comp-LOW non-recurrent Adm. or O & M; U3= Out of Compliance-NOV; NA = Not Applicable; NE = Not Evaluated. (Add additional comments if U1-U3.)

	RATING	Equipment / Inspection Data	<input type="checkbox"/> Checking block means item is present:
<b>CHEMICAL &amp; PHYSICAL TREATMENT</b>	S1	a) Intakes, pumps, piping <input checked="" type="checkbox"/>	# Of Levels <sup>3</sup> # Pumps <sup>1</sup> Max pump.1400 GPM
	NA	b) Aeration <input type="checkbox"/>	
	S1	c) Rapid mix <input checked="" type="checkbox"/>	Type: Mechanical paddle If other:
	S1	d) Flocculation <input checked="" type="checkbox"/>	# of Stages <sup>2</sup> # of Trains <sup>1</sup> Variable Speed Yes
	S1	e) Sedimentation <input checked="" type="checkbox"/>	Type: Conventional w/ tubes # of trains:1
	S1	f) Chemical feed coagulation	Alum-polymer blends
	S1	g) Carbon Feed: <input checked="" type="checkbox"/>	Feed Site <sup>1</sup> : Raw Water Feed Site 2:
	S2	h) Filters & controls	Dual Media Filter to Waste <input type="checkbox"/>
	S1	i) Filters / size sq.ft each./ rate	# 2 Size <sup>196</sup> Filtration Rate: <sup>3</sup> gpm
	S1	j) Automatic analyzers:	Chlorine: <input checked="" type="checkbox"/> Turbidity: <input checked="" type="checkbox"/> Each filter: <input checked="" type="checkbox"/> pH: <input type="checkbox"/>
	S1	k) Chemical storage:	Dry on pallets? <input checked="" type="checkbox"/> Chemical containment: <input checked="" type="checkbox"/>
	S1	l) Clearwell / screened vents	Size: <sup>320,000</sup> Baffling: <input checked="" type="checkbox"/> Locked <input checked="" type="checkbox"/> Screened <input checked="" type="checkbox"/>
	S1	m) Pumps # and size in gpm	High Service <sup>2</sup> @ 1400 Backwash 0 @ 0
	<b>SITE DATA</b>	S1	n) Site Data: W
S1		o) Site Data: E	Cl. Free: Total: pH: City Office
S1		p) Site Data: N	Cl. Free: Total: pH: Shell
S1		q) Site Data: S	Cl. Free: Total: pH: Water Plant
<b>DISINFECTION</b>	S1	r) Disinfection Pre: <input checked="" type="checkbox"/> Post: <input checked="" type="checkbox"/>	Pre Type: Chlorine gas Post type: Chlorine gas
	S2	s) Automatic chlorinator <input checked="" type="checkbox"/>	Automatic changeover <input type="checkbox"/> Proper Fan <input checked="" type="checkbox"/>
	S1	t) Separate room & ventilation	Crash Bar <input checked="" type="checkbox"/> Alarm <input checked="" type="checkbox"/>
	S1	u) Safety equipment	SCBA <input type="checkbox"/> Ammonia <input checked="" type="checkbox"/> Detector <input checked="" type="checkbox"/>
<b>LABORATORY &amp; RECORDS</b>	S1	v) Laboratory equipment	Adequate Space <input checked="" type="checkbox"/> Equipment <input checked="" type="checkbox"/> Lighting : <input checked="" type="checkbox"/>
	S1	(1) Turbidimeter <input checked="" type="checkbox"/>	Type: Hach Last calibrated: April 2021
	S1	(2) Adequate reagent supply	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	S1	(3) Chlorine Test Kit <input checked="" type="checkbox"/>	Type: Hach DPD reagent up-to-date: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N
	S1	w) Monthly operating reports	<input checked="" type="checkbox"/> Daily Record Sheet <input checked="" type="checkbox"/> Agreement: <input type="checkbox"/>
S1	x) Housekeeping	Fair	
<b>DISTRIBUTION</b>	S1	y) Master meter ; Recorder	Raw: <input checked="" type="checkbox"/> Finished: <input checked="" type="checkbox"/> ; Raw: <input checked="" type="checkbox"/> Finished: <input checked="" type="checkbox"/>
	S1	z) Blowoffs / hydrants; flushing	Flushing Schedule: <input checked="" type="checkbox"/> Blowoffs on deadends: <input checked="" type="checkbox"/>
	S1	aa) Water storage:	# of Tanks 3 Total Storage: 1,299,900 gal
	S1	bb) Booster pumps / chlorinators	Booster pumps: <input checked="" type="checkbox"/> Booster chlorinators: <input type="checkbox"/>
<b>PLANT ON SITE OBSERVATION</b>	S1	cc) Plant Data:	Cl free: 1.9 total: pH: Hach C117
	NI	dd) Turbidity	Raw: Settled: Combined Filter:
	S1	ee) Bacteriological monitoring	Samples per mo.4 Records: <input checked="" type="checkbox"/>
	S1	ff) No cross-connections observed	None observed: <input checked="" type="checkbox"/> Observed: <input type="checkbox"/> Program: <input checked="" type="checkbox"/>
	S1	gg) Wastewater discharge	KPDES Is sizing adequate? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> NO

**Comments:** Population served was determined by multiplying service connections by a factor of 2.69.

**V. Compliance Status** - No violations observed

**VI. Discharge/Emission Compliance**

**Comments:** Filter back wash water is pumped to city wastewater treatment plant. A discharge permit is maintained in case of an emergency at which time the back wash water would need to be discharged to the river.

**VI. Compliance Status** - No violations observed

**VII. Monitoring/Analyses Evaluation**

**Comments:**

**VII. Compliance Status** - Not Evaluated

**VIII. Environmental /Health Impact**

Work Site Hazard Assessment :  ATTACHED  REVIEWED


**Comments:**

**VIII. Compliance Status** – No violations observed

**IX. Documentation**

- Samples taken by DEP
- Samples taken by outside source
- Instrument readings taken by DEP regional office
- Photographs obtained by DEP
- Copies of records obtained by DEP
- Other documentation

<b>Inspector:</b> Adam Smith	<b>Title:</b> Environmental Inspector III	<b>Date:</b> 2/6/2025
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 Recoverable Signature

X 

**Signature:** Signed by: Adam Smith

<b>Overall Compliance Status</b>
<input checked="" type="checkbox"/> <b>No violations observed</b>
<input type="checkbox"/> <b>No violations observed, but impending violation trends observed</b>
<input type="checkbox"/> <b>Out of Compliance- No action taken</b>
<input type="checkbox"/> <b>Out of Compliance LOW non-recurrent administrative or O &amp; M</b>
<input type="checkbox"/> <b>Out of Compliance - NOV</b>

**Comments:**

Delivery Method: E-mail	Cert. Mail #:
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