

Poon, Peter

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Sent: Tuesday, July 2, 2024 9:24 AM
To: IDEM DWBMRO
Cc: Poon, Peter; mayors.admin@cityofsalemin.com
Subject: June 2024 MRO
Attachments: 5288005_01_2024_06.pdf

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FILTER BACKWASH RECYCLING RULE (FBRR) RECORDKEEPING

State Form 54186 (2-10)
 INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT (IDEM)
 OFFICE OF WATER QUALITY - DRINKING WATER BRANCH - COMPLIANCE SECTION

MONTH <u>June</u> YEAR <u>2024</u>
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PWSID 5288005

System name Salem Water

Plant/POE John Hay

Type of recycle stream	Indicate frequency at which flow is returned (or N/A)
Spent filter backwash	as needed
Thickener supernatant	
Liquids from dewatering process	
Other (specify)	

Filter Information	Filter Number/ID			
	#1	#2	#3	#4
Average duration of backwash (in minutes)	10	10	10	10
Maximum duration of backwash (in minutes)	10	10	10	10
Average backwash flow (in gpm)	4,000.0	4,000.0	4,000.0	4,000.0
Maximum backwash flow (in gpm)	4,000.0	4,000.0	4,000.0	4,000.0
Run length time of filter (include units)				
Criteria for terminating filter run	Head Loss: <input checked="" type="checkbox"/>	Head Loss: <input checked="" type="checkbox"/>	Head Loss: <input checked="" type="checkbox"/>	Head Loss: <input checked="" type="checkbox"/>
	Run Time: <input checked="" type="checkbox"/>	Run Time: <input checked="" type="checkbox"/>	Run Time: <input checked="" type="checkbox"/>	Run Time: <input checked="" type="checkbox"/>
	Turbidity: <input checked="" type="checkbox"/>	Turbidity: <input checked="" type="checkbox"/>	Turbidity: <input checked="" type="checkbox"/>	Turbidity: <input checked="" type="checkbox"/>

Was treatment or equalization provided to the recycle flows? Yes No

If yes, please complete the following table:

Type of treatment provided <u>before</u> recycling	Sedimentation
Typical hydraulic loading rate (gpm/ft ²)	
Maximum hydraulic loading rate (gpm/ft ²)	
Specify type of chemical used	Pac 3030, Carbon, NaMnO4
Average dose of chemical (mg/L)	40
Frequency of chemical addition	as needed
Frequency at which solids are removed	as needed
Monthly amount of solids removed	280,200
Disposal or Treatment Method Used to Treat the Solids	Other