

Environmental Justice Public Hearing
Somerset Raritan Valley Sewerage Authority
Title V Operating Permit No. BOP190001
Renewal Application

December 7, 2023





Meeting Format

- All are welcome to give comments.
- All opinions are welcome.
- If you wish to make a comment after the presentation, please state your name and address for the record.
- Please limit verbal comments to 3 minutes per person so all have a chance to comment; if there's time, we can do more than one round.
- Please give each commenter their uninterrupted time to speak.
- Be respectful of one another.
- Written comments can be submitted after the meeting.
- SRVSA will listen to comments; all comments (verbal and written) will be compiled and written responses will be prepared after the comment period concludes.
- The hearing will be recorded via Microsoft Teams, close captioned, and a written meeting summary prepared and shared with NJDEP.



Agenda

- Introduction and Summary
- Meeting Purpose
- Legislation and Compliance Statement
- What is the SRVSA?
- SRVSA Treatment Process
- Title V Operating Permit
- Environmental and Health Impacts
- Performance Testing Results
- Need for Meeting
- Public Comment



Meeting Purpose

- The purpose of tonight's meeting is for interested parties to share comments and provide questions for SRVSA and NJDEP consideration.
- Public comment period begins November 8, 2023 and ends on January 6, 2024.
- Comments and questions will be recorded, transcribed, and provided to NJDEP.
- Additional public comments will be received by SRVSA through the public comment period.
- SRVSA will compile all comments and prepare responses once the comment period concludes.
- Comments can be submitted to SRVSA:
 - Email:** Ronald.Anastasio@SRVSA.org
 - Mail:** Mr. Ronald Anastasio, P.E., Executive Director
The Somerset Raritan Valley Sewerage Authority
50 Polhemus Lane, Bridgewater, NJ 08807
- Title V Operating Permit Renewal information available online: https://srvsa.org/?page_id=36.



Legislation and Compliance Statement

- New Jersey Environmental Justice Law requires review of environmental and public health impacts in overburdened communities when reviewing certain permit applications.
- New Jersey DEP's Administrative Order 2021-25 established the process for compliance with the Environmental Justice Law while NJDEP drafted the Environmental Justice Rules at NJAC 7:1C. The rules were released on April 17, 2023, but any permit that was administratively complete prior to that date is still subject to the Administrative Order.
- SRVSA submitted a Title V Operating Permit renewal application on November 15, 2018 and is therefore subject to the Administrative Order.
- SRVSA's Compliance Statement / Project Summary describes project need and impact. The Compliance Statement / Project Summary and Title V Operating Permit Renewal information are available online: https://srvsa.org/?page_id=36.
- For questions regarding the Environmental Justice Law, the Administrative Order, and the Environmental Justice Rules please see NJDEP's Environmental Justice website at: <https://dep.nj.gov/ej/law/>.

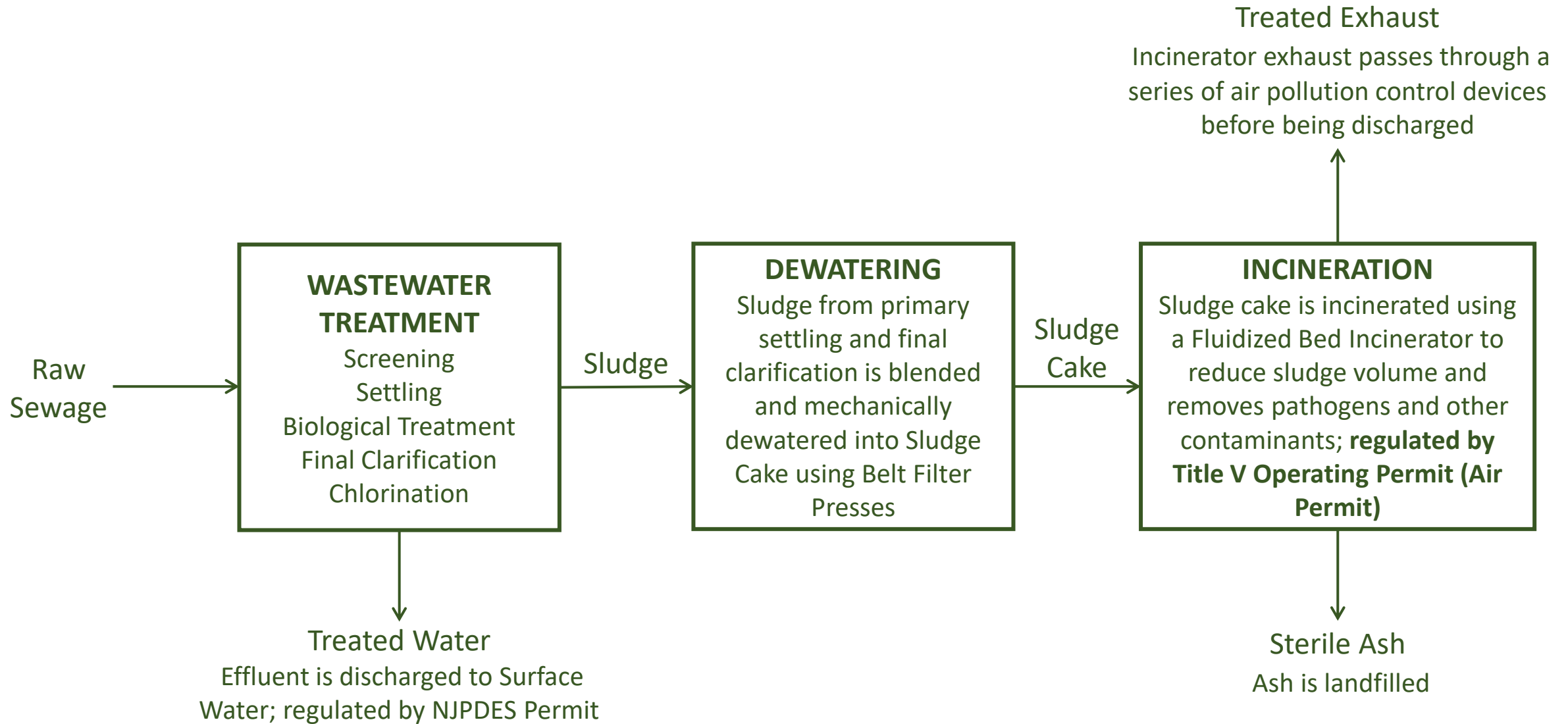


What is the SRVSA?

- The Somerset Raritan Valley Sewerage Authority (SRVSA), established in 1958, is a regional wastewater treatment plant located in Somerset County, New Jersey. SRVSA is a local governmental agency serving seven communities; Branchburg, Bridgewater, Hillsborough, Manville, Raritan, Somerville and Warren.
- SRVSA operates a wastewater treatment system, which has a rated capacity of 23.0 million gallon per day and has an average daily flow of approximately 17 million gallons per day. SRVSA performs secondary advanced treatment, which includes primary treatment (settling of solids), secondary treatment (biological treatment), and advanced treatment (additional filtration).
- Sludge generated from wastewater treatment is managed by fluidized bed incineration. Incineration reduces the volume of sludge for disposal and provides treatment for pathogens and other contaminants. Operation of the incinerator is regulated under Title V Operating Permit BOP190001, which is currently being renewed.



SRVSA Treatment Process





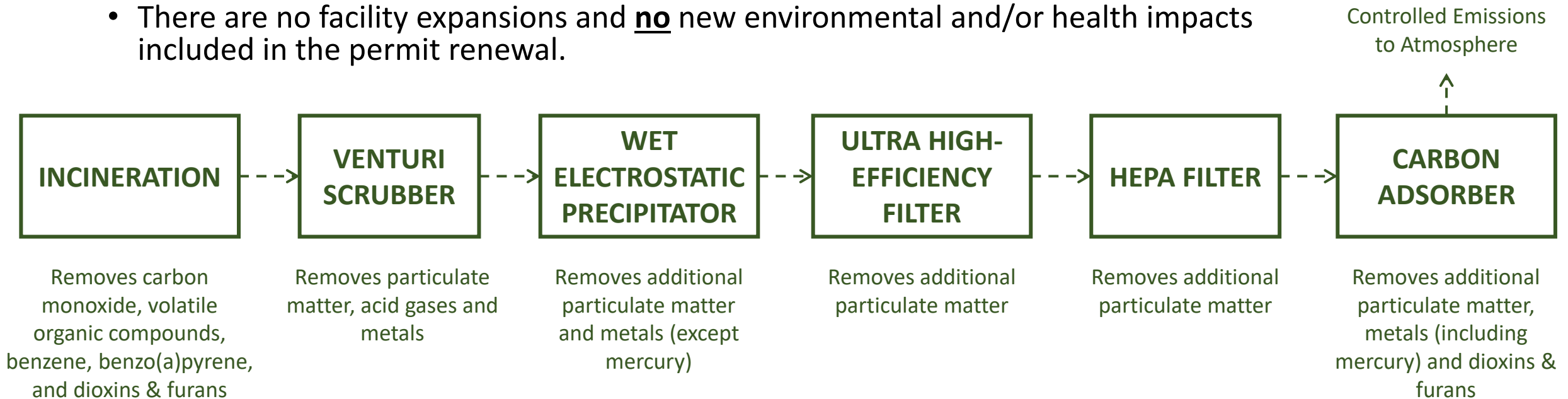
Title V Operating Permit

- Operation of SRVSA's incinerator is regulated by a Title V Operating Permit (Air Permit).
 - The air permit requires a series of air pollution control devices and sets minimum and maximum operating limits, necessary to meet State and Federal air quality requirements.
- In addition to the incinerator, SRVSA's air permit also regulates:
 - Hot Water Heating Boiler
 - *Sludge Thickeners (no longer in use, to be removed from permit)*
 - Insignificant sources:
 - Small heaters and boilers
 - Fuel Oil and gasoline storage tanks
 - Wastewater treatment plant sources
 - Chemical storage tanks
- This is a routine Title V Operating Permit Renewal:
 - Renewal includes administrative updates.
 - There are no proposed additions to the facility as a result of the renewal.
 - There are **no** new environmental and/or health impacts resulting from renewal.



Environmental and Health Impacts

- Potential air contaminants include: particulate matter, metals, acid gases (sulfur dioxide, hydrogen chloride, nitrogen oxides), carbon monoxide, volatile organic compounds, benzene, benzo(a)pyrene, and dioxins & furans.
- All of the above air contaminants are regulated in SRVSA's existing air permit.
- SRVSA's air pollution control devices reduce air contaminants, as shown below, minimizing the impact to the community.
- SRVSA consistently complies with emissions limits during performance testing.
- There are no facility expansions and **no** new environmental and/or health impacts included in the permit renewal.





Performance Testing Results

Parameter	Applicable Emission Limit (pounds per hour)	Percent of Applicable Emission Limit	Pass/Fail
Nitrogen Oxides	3.16	36.6%	PASS
Carbon Monoxide	1.67	42.3%	PASS
Sulfur Dioxide	0.897	60.5%	PASS
Volatile Organic Compounds	1.5	3.2%	PASS
Benzene	0.019	0.1%	PASS
Dioxins & Furans	2.70E-08 (total mass basis)	11.4%	PASS
Benzo(a)Pyrene	4.80E-05	3.8%	PASS
Hydrogen Chloride	0.0174	10.8%	PASS
Particulate Matter Maximum Sludge Feed Rate	0.405	1.7%	PASS
Particulate Matter Normal Sludge Feed Rate	0.405	7.1%	PASS
Particulate Matter Less than 10 Microns	1.76	14.0%	PASS

Parameter	Applicable Emission Limit (pounds per hour)	Percent of Applicable Emission Limit	Pass/Fail
Arsenic	2.09E-04	1.3%	PASS
Beryllium	2.09E-05	2.2%	PASS
Cadmium	3.60E-05	9.0%	PASS
Chromium	6.03E-04	3.8%	PASS
Hexavalent Chromium	6.03E-05	83.4%	PASS
Lead	1.66E-04	3.7%	PASS
Mercury	8.32E-04	14.5%	PASS
Nickel	0.0016	2.9%	PASS

- *This is a summary of the results of SRVSA's most recent performance test.*
- *SRVSA consistently complies with emissions limits.*
- *There are no proposed additions to the facility or changes in emissions limits as part of this renewal application.*

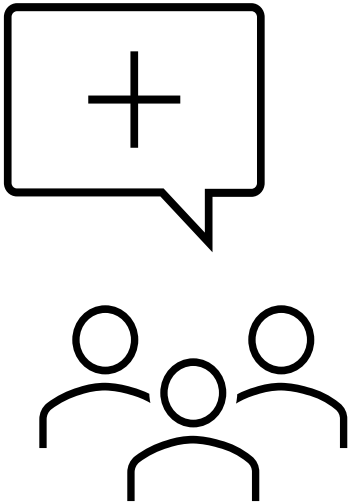


Need for Meeting

- SRVSA currently operates under Title V Operating Permit No. BOP190001, which is being renewed.
- As part of the Title V Operating Permit Renewal Application process, SRVSA is required to conduct a public hearing pursuant to C.13:1D-160 of the Environmental Justice Law and Administrative Order 2021-25.
- SRVSA's Compliance Statement / Project Summary describes project need and impact. The Compliance Statement / Project Summary and Title V Operating Permit Renewal information are available online: https://srvsa.org/?page_id=36.
- For questions regarding the Environmental Justice Law, the Administrative Order, and the Environmental Justice Rules please see NJDEP's Environmental Justice website at: <https://dep.nj.gov/ej/law/>.



Public Comment



- All are welcome to give comments; if you wish to make a comment, please state your name and address for the record.
- Please limit verbal comments to 3 minutes per person so all have a chance to comment; if there's time, we can do more than one round.
- Please give each commenter their uninterrupted time to speak.
- Written comments can be submitted after the meeting; the public comment period begins November 8, 2023 and ends on January 6, 2024.
- SRVSA will compile all comments and prepare responses once the comment period concludes.
- Comments can be submitted to SRVSA:
 - Email:** Ronald.Anastasio@SRVSA.org
 - Mail:** Mr. Ronald Anastasio, P.E., Executive Director
The Somerset Raritan Valley Sewerage Authority
50 Polhemus Lane, Bridgewater, NJ 08807
- Title V Operating Permit Renewal information is available online: https://srvsa.org/?page_id=36.