

**RCRA PART 373 PERMIT
EXECUTIVE SUMMARY/FACILITY FACT SHEET**

**U.S. Department of Energy
Knolls Atomic Power Laboratory – Kesselring Site
NY5890008993**

**West Milton, New York
Saratoga County**

January 2026

1.0 FACILITY PERMIT AND GENERAL INFORMATION

1.1 Facility Permit Information

Permittee Name:	USDOE – Naval Reactors Laboratory Field Office
Facility Name:	USDOE Knolls Atomic Power Laboratory – Kesselring Site
Facility Location:	350 Atomic Project Road, West Milton, NY 12020
EPA ID No.:	NY5890008993
DEC Permit No.:	5-4142-00005/00049
DEC DER No.:	546038
Commercial/Non-Commercial TSDF:	Non-commercial
Facility Contact:	David A. Delwiche david.delwiche@nrp.doe.gov 518-395-6366
DEC Contact/Responsible Permit Writer:	Frank Zhang frank.zhang@dec.ny.gov 518-402-8755
Initial/Renewal Permit (Permit type):	Renewal (Operating)
Permit Term:	10 years
Estimated Closure Cost:	N/A
Estimated Post-Closure Care Cost:	N/A
Estimated Corrective Action Cost:	N/A
Estimated Financial Assurance Cost:	N/A
On-site Environmental Monitor(s):	N/A

1.2 General Description

The Knolls Atomic Power Laboratory – Kenneth A. Kesselring Site (Kesselring Site) is owned by the U. S. Department of Energy (USDOE) and operated for the Government under contract. The principal function at the facility is research and development in the design and operation of naval nuclear propulsion plants. Additionally, the Kesselring Site is used for the training of personnel in the operation of the naval nuclear propulsion plants. Presently located on the Site are two pressurized water naval nuclear propulsion plants and support facilities, including administrative offices, training facilities, equipment service buildings, a boiler house, cooling tower, and wastewater treatment facilities.

The Kesselring Site consists of approximately 3,900 acres. The majority of the Site facilities are located within a fenced security area of approximately 50 acres situated near the Glowegee Creek. The remainder of the site facilities, including parking lots and portions of the site water supply, are located outside the fenced area. The balance of the Site consists of mixed deciduous and evergreen woodlands. The surrounding area is a rural, sparsely populated region of wooded lands.

Various types of both hazardous waste and mixed waste are produced at the Kesselring Site. The sources of these wastes are primarily from laboratory operations and facility renovation activities. Information regarding all chemicals managed at the site are within the Part A application and manifest data.

1.3 Background Information

The Facility is currently operating as a storage facility for hazardous waste.

The hazardous and mixed wastes that are generated during normal operations are managed within two units at the Kesselring Site for periods exceeding 90-days. There is no disposal of hazardous or mixed waste at the Site. The Site only stores and processes all of the hazardous/mixed waste it manages for shipment to off-site, licensed/permitted treatment, storage and/or disposal facilities.

1.4 Site Maps

The following figures are attached to this executive summary/permit:

- Figure ES-1. General Location Map
- Figure ES-2. Facility Boundary Map

1.5 Other Facility Permits¹

The following federal, state, and local permits and registrations are applicable to the facility:

- NYSDEC SPDES Permit No. NY0005843
- NYSDEC SPDES Construction Permit No. GP-0-20-001
 - Clean Soil Management Area SWPPP No. NYR11H979
- NYSDEC Petroleum Bulk Storage Certificate No. 5-414506
- NYSDEC Chemical Bulk Storage Certificate No. 5-000070
- NYSDEC Air Facility Registration Certificate No. 5-4142-00005/00073
- NYSDEC Water Withdrawal Permit No. 5-4142-00005/00090
- NYSDEC Nuisance Beaver Permit No. 24089
- EPA NESHAPS Permit No. KAPL-788-01
- EPA Underground Injection Control Site Registration No. 09NY09104001

- Saratoga County Wastewater Sludge Permit No. A-05
- Grease Trap Permit No. GR-042-4

1. Permits and the listed numbers are those that were effective at the time of permit renewal application

2.0 RCRA PERMITTED UNITS

(Operating Permit Language) The following table is a summary of RCRA-permitted Operating Units by unit type (S-Storage; T-Treatment; D-Disposal)

Unit Type ¹	No. of Areas/Units	Activity Type	Waste Type ²	Quantity
Containers (S01)	2 units	Storage	Solid & Liquid Hazardous and Mixed Wastes	27,130 gallons

Footnotes:

1. Unit codes are as described in the Part A Application.
2. Specific waste types and waste codes are presented in Attachment C – Waste Characteristics of this Permit.

3.0 CORRECTIVE ACTION SUMMARY

The following table summarizes the ongoing corrective action activities occurring at the facility:

Location Name / Designation	Activity Description
Stormwater Drain System	SV Work Plan is required to address remaining portions requiring further action
Building 80 Soil Area	Sampling and Analysis Plan is required to characterize newly identified AOC
Building 17 High Yard Area	Pending investigation when area is permanently de-energized and accessible

4.0 SITE MANAGEMENT

4.1 Institutional Controls

The Facility is managed under this Permit and various other environmental permits as described above to prevent exposure to contamination and/or restrict migration of contamination.

4.2 Engineering Controls

The developed portion of the site is covered with asphalt and enclosed with a fence.

5.0 ISSUES AND CONCERNS

The following sections describe any potential issues or concerns for the facility related to its hazardous waste permit. Additionally, it includes information on any major changes made between the last issued permit and this renewal permit.

5.1 Environmental Risk Assessment

The Facility was investigated as part of the 1993 RCRA Facility Assessment Preliminary Review - Visual Site Inspection (RFA PR-VSI) and subsequent investigations. Based on these investigations, it was determined that contamination at the Facility did not pose imminent danger to human health or the environment, but that corrective action was required to control risks to health and environment.

Corrective action programs have been implemented to clean up, restrict migration of, and prevent exposure to contamination.

5.2 Climate Leadership and Community Protection Act (CLCPA)

Pursuant to the requirements of Section 7(2) of the CLCPA, during its review of the permit renewal application the DEC has taken into consideration information regarding the facility's consistency with the CLCPA.

5.3 Community Risk and Resiliency Act (CRRRA)

The Facility has demonstrated to the DEC that future physical climate risk, not limited to sea-level rise, storm surge and flood, was considered during the permit renewal process. The DEC has made a tentative assessment that the Facility is not at risk of adverse climate change impacts due to extreme weather events, and no additional actions are necessary at this time to improve the resiliency at the facility.

5.4 Unresolved Issues and Concerns

There are no unresolved issues or concerns with the Facility.

5.5 Compliance Schedule Items

The Permittee has not proposed to incorporate any items into the Permit renewal.

5.6 Public Participation

A public notice comment period will be held from 01/28/2026 to 03/16/2026.

5.7 Significant Permit Modifications

There are no significant permit modifications. Changes are limited to updating language to meet current regulations.

5.8 Upcoming Construction/Closure Activities

Various non-RCRA related construction and/or demolition is occurring at the Facility, and any necessary corrective action as a result will be covered under this Permit. There are no anticipated closures of any operating units during the life of this Permit.

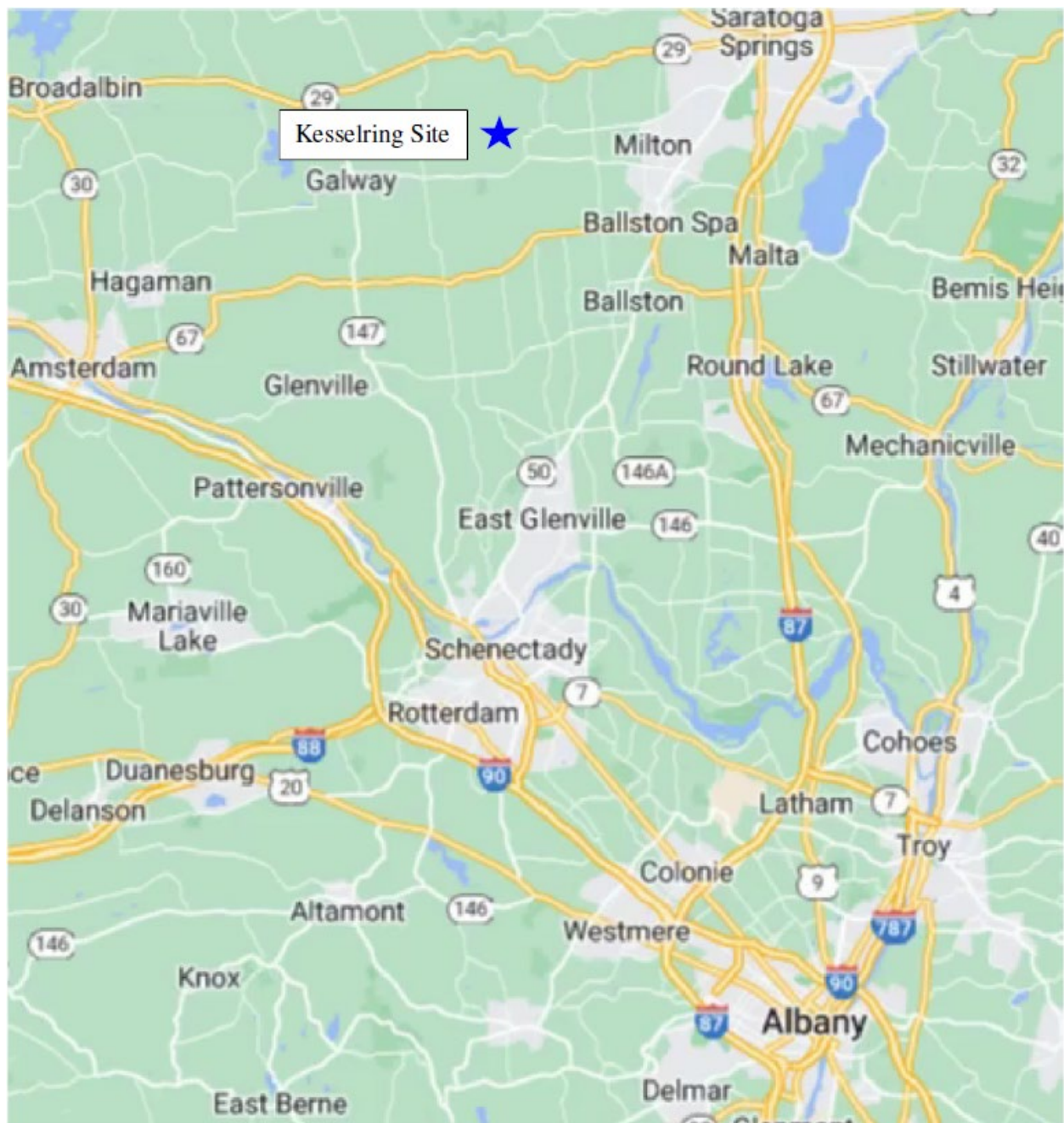


Figure ES-1. General Location Map

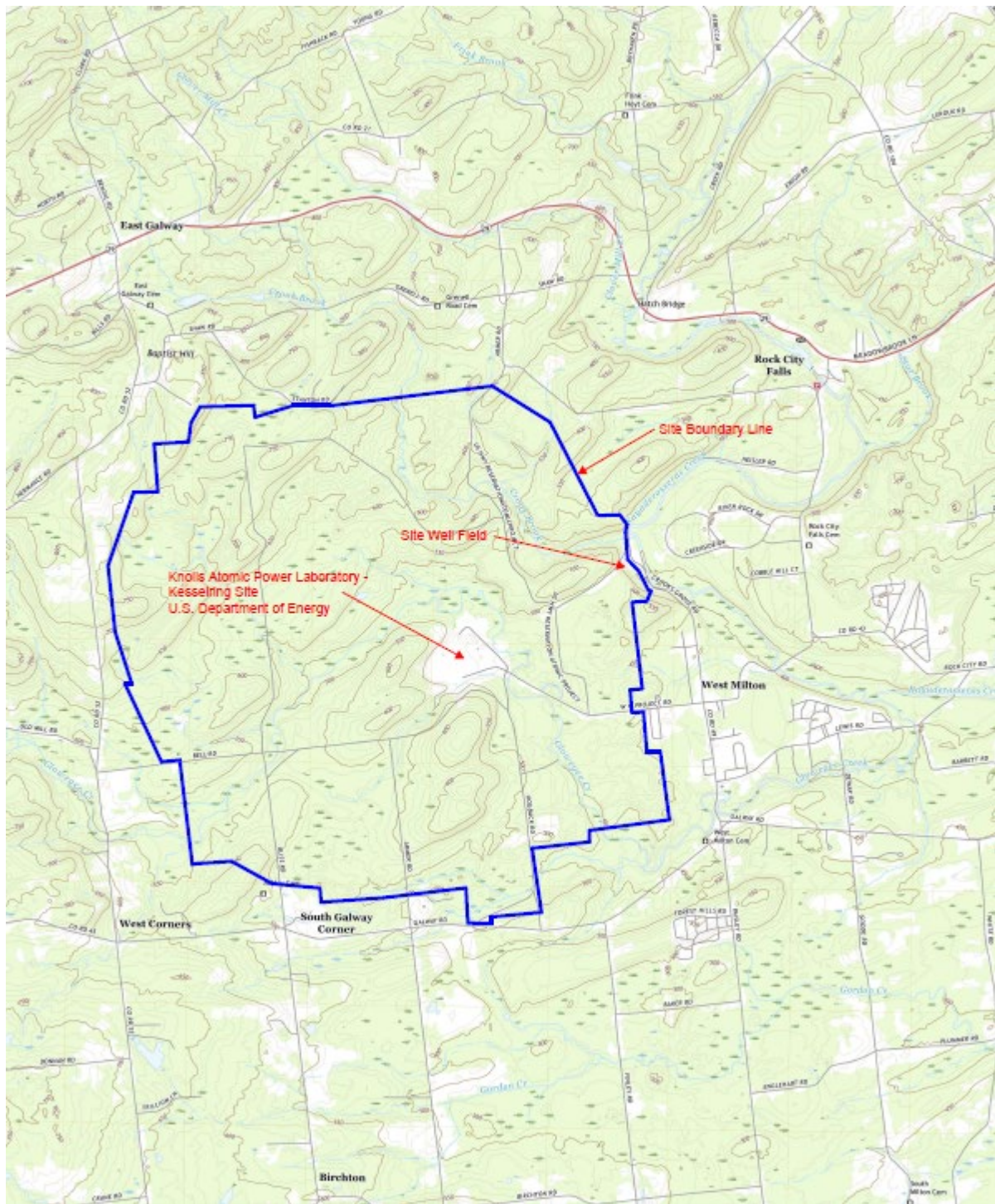


Figure ES-2. Facility Boundary Map