Oak Ridge Site Specific Advisory Board Monthly Meeting

Wednesday, November 18, 2026, 6 p.m.

The mission of the Oak Ridge Site Specific Advisory Board (ORSSAB) is to provide informed advice and recommendations concerning site specific issues related to the Department of Energy's (DOE's) Environmental Management (EM) Program at the Oak Ridge Reservation. In order to provide unbiased evaluation and recommendations on the cleanup efforts related to the Oak Ridge site, the Board seeks opportunities for input through collaborative dialogue with the communities surrounding the Oak Ridge Reservation, governmental regulators, and other stakeholders.

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AGENDA

PRESENTER BIO

REPORTS & MEMOS
1. FY 2027 Incoming Correspondence

REFERENCE INFORMATION
1. Calendars: November & December (draft)

Oak Ridge Site Specific Advisory Board
Wednesday, November 18, 2026, 6:00 p.m.
Hybrid meeting

AGENDA

I. Welcome and announcements (K. Bartholomew) 6:00–6:05

II. Comments from federal and state agency representatives
(M. Noe, R. Petrie, J. Dawson, K. Czartoryski)..... 6:05–6:10

III. Presentation: Reindustrialization (A. Hill)..... 6:10–6:40
Issue Group: *Thompson, Van Dalen*
Note: Recommendation optional
– Members, please inform staff if you wish to join this or any other topic on the Work Plan.

IV. Public comment period (S. Kimel)..... 6:40-6:55
i. Questions for DOE on the presentation;
ii. Comments on other topics – Comments previously received to be read into the record;
iii. *Comments pertaining to this meeting will continue to be accepted by email to orssab@doe.gov by no later than 5 p.m. EST on Friday, November 20, 2026.*

V. Call for additions & motion to approve agenda (K. Thompson)..... 6:55
A. Any requests for new action items
B. Next meeting – 6 p.m. February 10

This ends the presentation portion of the meeting – presenters and subject experts may depart

VI. Board Business (K. Bartholomew) 6:55–7:00

VII. Responses to recommendations & DDFO's report (M. Noe) 7:00–7:05

VIII. Committee reports..... 7:05–7:15
A. Executive (K. Bartholomew)
i. Next meeting – February 3
B. EM/Stewardship (O. Merz/L. Clarke)
i. Next meeting – February 24 (No November meeting due to Thanksgiving Holiday)

IX. Additions to agenda & closing remarks (K. Bartholomew)..... 7:15–7:20

X. Adjourn 7:30

Abby Hill is a General Engineer at OREM currently leading the Reindustrialization and Site Reuse Support Programs.

She has a Bachelors and Masters in Engineering from The University of Tennessee, Knoxville, and enjoys participating in DOE's educational outreach programs at local schools.

FY 2027 Incoming Correspondence

#	Date	To	From	Description	DOEIC, Notified board officers of receipt
11	10/13/2026	Petrie, DOE	Dawson, EPA	EPA extension requests to provide review comments for the Explanation of Significant Differences for the Record of Decision for the Disposal of Oak Ridge Reservation Comprehensive Environmental Response, Compensation, and Liability Act of 1980 Waste, Oak Ridge, Tennessee (DOE/OR/01-2972&D3/R1)	DOEIC, Notified board officers of receipt
12	10/15/2026	Smolens, DOE	Webster & Czartoryski, TDEC	Proposed Targets for Y-12 National Security Complex Mixed Waste on the ORR STP and Update on Status to Identify Final Receiving Facility for Waste Stream	DOEIC, Notified board officers of receipt
13	10/16/2026	Petrie, DOE	Marcillo, TDEC	Addendum 3 (Exposure Unit Z2-38) to the FY 2009 PCCR for Zone 2 Exposure Units 11, 12, 17, 18, 29, and 38 at ETTP (DOE-OR-01-2415&D2-A3-R2)	DOEIC, Notified board officers of receipt
14	10/19/2026	Petrie, DOE	Marcillo, TDEC	Memorandum to File, Non-Significant Change to the Record of Decision for Comprehensive Environmental Response, Compensation, and Liability Act Oak Ridge Reservation Waste Disposal at the Environmental Management Disposal Facility, Oak Ridge, Tennessee (DOE/OR/01-2794&D2/R2)	DOEIC, Notified board officers of receipt
15	10/21/2026	Petrie, DOE	Sayer, EPA	EPA Approval of Memorandum to File, Non-Significant Change to the EMDF ROD	DOEIC, Notified board officers of receipt
16	10/22/2026	Olds, DOE	Sanders, TDEC	FFA Grant MOA Applicability	DOEIC, Notified board officers of receipt
17	10/23/2026	Dawson, EPA & Marcillo, TDEC	Schenk & Petrie, DOE	Approval of the Federal Facility Agreement Review Extension Request	DOEIC, Notified board officers of receipt

FY 2027 Incoming Correspondence

#	Date	To	From	Description	DOEIC, Notified board officers of receipt
18	10/26/2026	Petrie, DOE	Froede, EPA	EPA Comments CERCLA Five-Year Review for the East Tennessee Technology Park Administrative Watershed and the Clinch River/Poplar Creek and Lower Watts Bar Reservoir Operable Units on DOE, Oak Ridge Site, Oak Ridge, Tennessee (DOE/OR/01-2947&D1)	DOEIC, Notified board officers of receipt
19	10/26/2026	Griswold, DOE	Webster & Czartoryski, TDEC	Request for Extension of the Milestone for the Transuranic Sludge Site Treatment Plan	DOEIC, Notified board officers of receipt
20	10/28/2026	Petrie, DOE	Johnston, EPA	EPA approval letter - ETTP Addendum 3 (Exposure Unit Z2-38) PCCR	DOEIC, Notified board officers of receipt
21	10/29/2026	Petrie, DOE	Perkey, TDEC	RE Submittal of the Proposed Changes to the FFA for the ORR Appendix C, Oak Ridge Remediation Sites, and Appendix B, Oak Ridge Site Description	DOEIC, Notified board officers of receipt
22	10/29/2026	Petrie, DOE	Perkey, TDEC	Waste Handling Plan for White Wing Scrap Yard, Oak Ridge National Priorities List Site (DOE-OR-01-3023&D2)	DOEIC, Notified board officers of receipt
23	10/30/2026	Petrie, DOE	Poe, EPA	EPA Response for the Addendum to the Waste Handling Plan for Pre-Demolition and Demolition of Ancillary Facilities at the Y-12 National Security Complex, Oak Ridge, Tennessee: Demolition of Building 9204-2E Exterior Solid Waste Management Unit Tanks (DOE/OR/01-2863&D4/A1)	DOEIC, Notified board officers of receipt
24	10/30/2026	Petrie, DOE	Poe, EPA	Addendum to the RAWP for the Y-12 Facilities Deactivation-Demolition Project, OR TN Demolition of Bldg. 9204-E Exterior SWMU	DOEIC, Notified board officers of receipt
25	11/2/2026	Dawson, EPA & Marcillo, TDEC	Carden & Petrie, DOE	Transmittal of the Time-Critical Action Memo for The Phase 2 RA at the WWSY OR National Priorities List Site, OR, TN (DOE-OR-01-3040&D2)	DOEIC, Notified board officers of receipt

FY 2027 Incoming Correspondence

#	Date	To	From	Description	DOEIC, Notified board officers of receipt
26	11/3/2026	Petrie, DOE	Dawson, EPA	EPA Comments: EU 2 And EU 7 Addendum A8 To The Remedial Design Report/Remedial Action Work Plan For Soils, Sediments, And Dynamic Characterization Strategy For Bethel Valley, Oak Ridge, Tennessee at the Oak Ridge National Laboratory (DOE/OR/01-2378&D5/A8)	DOEIC, Notified board officers of receipt
27	11/3/2026	Petrie, DOE	Dawson, EPA	EPA Email accompanying EPA Comments: EU 2 And EU 7 Addendum A8 To The Remedial Design Report/Remedial Action Work Plan For Soils, Sediments, And Dynamic Characterization Strategy For Bethel Valley, Oak Ridge, Tennessee at the Oak Ridge National Laboratory (DOE/OR/01-2378&D5/A8)	DOEIC, Notified board officers of receipt
28	11/4/2026	Dawson, EPA & Marcillo, TDEC	Carden & Petrie, DOE	FFA Milestone Addition Req. for WAC Compliance Plan for the EMDF at the ORR OR, TN (DOE-OR-01-3012&D3)	DOEIC, Notified board officers of receipt
29	11/4/2026	Hill, DOE	Dawson, EPA	EPA Concurrence Covenant Deferral Request [CDR] for the Balance of Property for the Proposed Title Transfer of Exposure Units (EUs) Z2-17, Z2-18, Z2-19, Z2-25, Z2-26, Z2-27, Z2-28, Z2-29, Z2-30, Z2-38, and Z2-39, and approximately 0.75 acres of EU Z2-13 at the East Tennessee Technology Park (DOE/OR/01-3031)	DOEIC, Notified board officers of receipt
30	11/5/2026	Dawson, EPA & Marcillo, TDEC	McIntosh & Petrie, DOE	Transmittal of the Addendum to the Zone 1 Groundwater Plumes Remedial Investigation Work Plan for Exit Pathway Monitoring, East Tennessee Technology Park, Oak Ridge, Tennessee (DOE/OR/01-2903&D2/A3/R1)	DOEIC, Notified board officers of receipt

FY 2027 Incoming Correspondence

#	Date	To	From	Description	DOEIC, Notified board officers of receipt
31	11/6/2026	Dawson, EPA & Marcillo, TDEC	Carden & Petrie, DOE	Transmittal of the Responses to EPA & TDEC Comments on the Summary Report for Technology Demonstration 2: Sorption of Mercury in Waste Containers, Oak Ridge, Tennessee (DOE/OR/01-3026&D1)	DOEIC, Notified board officers of receipt
32	11/9/2026	Dawson, EPA & Marcillo, TDEC	Carden & Petrie, DOE	Transmittal of the Phased Construction Completion Report for Predemolition of the Beta-1 Complex, Oak Ridge, Tennessee (DOE/OR/01-3041&D1)	DOEIC, Notified board officers of receipt
33	11/9/2026	Dawson, EPA & Marcillo, TDEC	Petrie, DOE	Appendix E Fiscal Year +2 Milestone Notification Letter	DOEIC, Notified board officers of receipt
34	11/10/2026	Petrie, DOE	Marcillo, TDEC	Re Approval of the ESD for the ROD for the Disposal of ORR CERCLA Waste, Clean Water Act Part 1 – Radiological Discharge Limits (DOE-OR-01-2972&D3-R1)	DOEIC, Notified board officers of receipt

Oak Ridge Site Specific Advisory Board

December (draft) 2026

No meeting

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25 Christmas Day – Board Offices Closed	26
27	28	29	30	31		

For information about attending meetings virtually or in person, please email orssab@orem.doe.gov at least 2 days prior to the scheduled meeting. Topic is tentative and subject to change.

ORSSAB Support Office: (865) 241-4583 or 241-4584 **DOE Information Center:** (865) 241-4780

Oak Ridge Site Specific Advisory Board

November 2026

Topic: Reindustrialization: Focus on Nuclear Renaissance

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	**2**	**3**	**4**	**5**	**6**	**7**
8	**9**	**10** EM SSAB Fall Chairs Meeting	**11** Veterans Day – Board Offices Closed	**12**	**13**	**14**
15	**16**	**17**	**18** Full Board Meeting (hybrid) – 6 p.m.	**19**	**20**	**21**
22	**23**	**24**	**25**	**26** Thanksgiving – Board Offices Closed	**27**	**28**
29	**30**					

For information about attending meetings virtually or in person, please email orssab@orem.doe.gov at least 2 days prior to the scheduled meeting. Topic is tentative and subject to change.

ORSSAB Support Office: (865) 241-4583 or 241-4584 **DOE Information Center:** (865) 241-4780

Public Comment to Oak Ridge Site Specific Advisory Board
by Luther Gibson
November 18, 2026
Cutoff November 12, 2026

For information only.

Amentum
Amentum, lead partner in UCOR, announced on October 8 the opening of its global nuclear headquarters in Oak Ridge in the former SAIC building.[1] See **Kyoto Fusioneering** for more.

American Centrifuge Operating
American Centrifuge Operating received an amended license to possess special nuclear material at Piketon.[2] Centrus has celebrated shipping newly manufactured centrifuges to that facility from Oak Ridge.[3]

Carbon Rivers
An inspection by the TDEC Solid Waste Program on October 28, 2026, continued to find major violations.[4] This facility currently has an active Order that was issued February 2026. Per the order no new materials are coming into this facility and Carbon Rivers is required to remove all materials by February 2027. Monthly Solid Waste Program inspections report some progress but no metrics to judge whether the February 2027 deadline will be met. TDEC Division of Water Resources performed an inspection on September 26, 2025, concluding the facility to be out of compliance.[5] The facility was requested to update the stormwater management plans and was to be reinspected when the site plan was updated. An updated Stormwater Pollution Prevention Plan was submitted.[6] There is no record in

[1] https://www.amentum.com/news/amentum-opens-global-nuclear-headquarters-in-oak-ridge-tennessee/

[2] https://www.nrc.gov/docs/ML2629/ML26299A165.pdf

[3] https://www.wbir.com/article/tech/science/centrus-energy-ships-first-centrifuges-oak-ridge-ohio-major-expansion-milestone/51-44bb0deb-eedd-43a9-93af-5135b7f298b8

[4] https://dataviewers.tdec.tn.gov/dataviewers/apex_util.count_click?p_url=BGSWM.GET_DOCUMENTS?p_file=251536325645164904O&p_cat=DOCS&p_id=251536325645164904O&p_user=APEX_PUBLIC_USER&p_workspace=19833722515258996

[5] https://dataviewers.tdec.tn.gov/dataviewers/apex_util.count_click?p_url=BGWPC.GET_WPC_DOCUMENTS?p_file=912118296422428983&p_cat=DOCS&p_id=912118296422428983&p_user=GUEST&p_workspace=19833722515258996

[6] https://dataviewers.tdec.tn.gov/dataviewers/apex_util.count_click?p_url=BGWPC.GET_WPC_DOCUMENTS?p_file=1279070304787374865&p_cat=DOCS&p_id=1279070304787374865&p_user=GUEST&p_workspace=19833722515258996

the Division of Water Resources DataViewer of any reinspection. Tennessee Division of Air Pollution Control concluded from data supplied by Carbon Rivers that the facility had a potential to emit less than 5 tons per year of each air contaminant and each regulated air pollutant that is not a hazardous air pollutant, and less than 1,000 pounds per year of each hazardous air pollutant.[7] As such, it is an insignificant activity. An inspector performed a visible emissions evaluation on November 20, 2024, and found the unit in compliance with visible emission regulations based on a 20% opacity limit.[8]

Curio

Curio is a Washington, D.C.-based nuclear technology company, that developed NuCycle®, a process to recycle used nuclear fuel. It has potentially significant chemical hazards. Siting of a production facility has not been announced but bears watching. A potential but unconfirmed connection of Curio to Louisiana's pursuit of a Nuclear Lifecycle Innovation Campus emerged.[9] This may be no more than locally publicized follow-up on Curio's general endorsement of the Nuclear Lifecycle Innovation Campus initiative for all of the states that signed MOUs with the Department of Energy.

Defense Nuclear Facilities Safety Board

Some redacted Resident Inspector Activity Reports have been released after an impasse between the Board and DOE on review of sensitive information. The Oak Ridge Resident Inspectors Activity Report for Week Ending September 25, 2026, reports on observed activities at Building 3019 and Transuranic Waste Processing Center.[10] At Building 3019, a resident inspector performed a follow-on observation of a container movement in the vault. Due to a recent Technical Safety Requirement Specific Administrative Control violation, 3019 personnel recently implemented the use of a new camera to perform the required actions for container movement inside the vault. The RI observed the container move using the new system. The movement was completed satisfactorily. At TWPC, a resident inspector walked down the facility with a DOE facility representative and observed operations being performed satisfactorily. Any Technical Safety Requirement Specific Administrative Control violation is potentially serious.

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[7] https://dataviewers.tdec.tn.gov/dataviewers/f?p=19031:34031::::34031:P34031_SITE_ID:171275

[8] https://dataviewers.tdec.tn.gov/dataviewers/f?p=19031:34251::::34251:P34251_ROW_ID:134124

[9] https://www.theadvocate.com/baton_rouge/news/communities/east_feliciana/letter-to-the-editor-east-feliciana-must-approach-a-nuclear-campus-with-extreme-caution/article_61061895-d7b2-4371-96b3-f8045a551b16.html

[10] https://www.dnfsb.gov/sites/default/files/2026-11/Oak%20Ridge%20Week%20Ending%20September%2025%202026.pdf

General Matter
General Matter's license application for its uranium enrichment operation in McCracken County, Kentucky was accepted by the NRC.[11] Not many sections are publicly available, but there is a redacted environmental report that still attempts to hide the proposed type of enrichment process.[12]

Idaho Nuclear Lifecycle Innovation Campus
A guest column in the Idaho Capital Sun is critical of lack of transparency out there.[13] Impact on scarce water resources and permanent storage of nuclear waste are concerns. The article refers to Assistant Secretary Tim Walsh's visit to Oak Ridge on October 27 where he said that the only thing lacking at Oak Ridge for NLIC designation was where the nuclear waste would be permanently stored.[14]

Kairos Power
Kairos Power submitted a topical report "Operator Training and Testing Program for the Non-Power Kairos Power Fluoride Salt-Cooled High-Temperature Reactors".[15] No operator actions are required to mitigate the consequences of postulated events to ensure that the dose at the site boundary meets regulatory limits. The inherent design features that support the functional containment approach include a near-atmospheric operating pressure, a robust fuel design with radionuclide retention capabilities, and a coolant design with a high boiling point. NRC is reviewing the report but has delayed completing that review several times.[16] Kairos has been sending asbestos from renovation of underground piping that was obviously a legacy left behind by DOE for disposal at a landfill at Athens, Tennessee.[17]

Kyoto Fusioneering
Kyoto Fusioneering and Amentum have signed a memorandum of understanding covering international cooperation across the UK, Japan and the USA in advancing fusion energy commercialization.[18] Kyoto

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[11] https://www.wkms.org/business-economy/2026-10-29/federal-agency-accepts-license-application-for-general-matters-uranium-enrichment-operation-in-mccracken-county

[12] https://www.nrc.gov/docs/ML2627/ML26273A126.html

[13] https://idahocapitalsun.com/2026/11/05/is-it-time-to-rethink-idahos-involvement-with-does-nuclear-lifecycle-innovation-campus/

[14] https://www.ans.org/news/article-8531/walsh-industry-reps-discuss-american-energy-hub-at-oak-ridge-cleanup-site/

[15] https://www.nrc.gov/docs/ML2519/ML25192A233.pdf

[16] https://www.nrc.gov/docs/ML2628/ML26282B081.pdf

[17] https://dataviewers.tdec.tn.gov/dataviewers/apex_util.count_click?p_url=BGAPC.GET_DOCUMENTS?p_file=25241889228126982 51&p_cat=DOCS&p_id=25241889228126982 51&p_user=APEX_PUBLIC_USER&p_workspace=19833722515258996

[18] https://www.world-nuclear-news.org/articles/amentum-kyoto-fusioneering-target-fusion-commercialisation

Fusioneering will create 51 new jobs and invest over $46 million in Anderson County as part of the project, which will include buildout of critical fusion testing infrastructure designed to drive down fusion technology risk. This investment centers on developing UNITY-3, a first-of-its-kind fusion nuclear test facility to be built at Oak Ridge National Laboratory (ORNL) through a public-private partnership announced earlier this year.[19]

LIS Technologies
LIS Technologies (LIST) submitted a request to NRC to submit the Environmental Report (ER) as a standalone document on a schedule separate from the license application for its proposed Project FUEL, a laser-based uranium enrichment facility to be located in Oak Ridge, TN, and licensed under 10 CFR Part 70.[20] LIST anticipates submittal of the ER by early calendar year 2027. LIST would then submit the LA approximately 3 to 6 months later. LIST also submitted a permit application to Tennessee Division of Air Pollution Control for a source involving use of sulfur hexafluoride (<25 kg/year) in laser and separation technology research and development.[21] The coordinates of the source are at Building K-1330.

Manufacturing Sciences Corporation
NRC received an export license application from Manufacturing Sciences Corporation in Oak Ridge to export up to 1,950 kg of natural uranium rods clad in aluminum.[22] A small fire occurred in a dust collection system at the facility in 2015.[23]

Nuclear Regulatory Commission
NRC posted slides for a November 5 Fuel Facilities Stakeholder Meeting.[24] There is a lot of good information; however, the amount of information that is withheld from the public in license applications limits opportunity to see how it is practically applied. The NRC is amending its regulations to facilitate direct leveraging of prior U.S. Department of Energy or Department of War authorizations of demonstration reactors into the NRC's licensing reviews of commercial reactor facility applications that reference those designs.[25] This final rule is effective on November 25, 2026. Any similar shortcut for fuel

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[19] https://www.tn.gov/ecd/resources/openecd/nuclear-fund-project-database0.html

[20] https://www.nrc.gov/docs/ML2630/ML26303A133.pdf

[21] https://dataviewers.tdec.tn.gov/dataviewers/apex_util.count_click?p_url=BGAPC.GET_DOCUMENTS?p_file=248956475917386518 1&p_cat=DOCS&p_id=248956475917386518 1&p_user=APEX_PUBLIC_USER&p_workspace=19833722515258996

[22] https://www.nrc.gov/docs/ML2630/ML26308A010.pdf

[23] https://oakridgetoday.com/2015/11/16/no-hazardous-radioactive-materials-released-in-small-fire-at-manufacturing-sciences/

[24] https://www.nrc.gov/docs/ML2630/ML26303A118.pdf

[25] https://www.nrc.gov/docs/ML2628/ML26282A997.pdf

cycle facilities bears watching. Draft guidance was posted in the review of structural design in fuel cycle facilities.[26]

Paducah Laser Enrichment Facility
A final Environmental Impact Statement was issued by NRC.[27,28] NRC staff recommended that a license be granted.[29]

Oklo
On October 16 NRC posted a "Summary of July 2026 Closed Meeting with Oklo to Discuss Reprocessing Facility Siting".[30] The publicly available package merely contains a list of the attendees. The summary itself is non-public. NRC has been observing activities for the Oklo Aurora Powerhouse under the DOE Reactor Pilot Program.[31] An Oklo presentation associated with the Oklahoma Nuclear Lifecycle Innovation Campus has more information about fuel recycling and fabrication activities proposed in Oak Ridge than is being disseminated locally.[32] A Soil and Groundwater Management Plan was submitted to TDEC DLP-RB for review.[33] Oklo's 3rd Quarter 2026 company update was released for investors on November 6.[34] Oklo claims to have $3.1B cash and cash equivalents and marketable debt securities as of September 30, 2026, but have a $123M YTD net loss through the third quarter.

Orano Project IKE
NRC released a package "Orano Enrichment USA, LLC, Response to RAI for Emergency Plan".[35] The response from Orano points to Off-Site Agencies Established MOU's including with Roane County Emergency Management. In a letter dated October 27, NRC updated Orano on its review schedule for Orano's license application.[36] Lack of timely responses to RAIs and not providing a crosswalk between

[26] https://www.nrc.gov/docs/ML2630/ML26308A147.pdf

[27] https://www.nrc.gov/docs/ML2628/ML26286A042.pdf

[28] https://www.nrc.gov/docs/ML2628/ML26286A046.pdf

[29] https://www.wkms.org/business-economy/2026-10-28/nuclear-regulatory-commission-staff-recommend-license-for-global-laser-enrichments-paducah-site-be-granted

[30] https://www.nrc.gov/docs/ML2627/ML26279A022.html

[31] https://www.nrc.gov/docs/ML2623/ML26238A237.pdf

[32] https://ee.ok.gov/nlic/presentations/campus-overview.pdf

[33] https://orrcatn.com/wp-content/uploads/2026/10/10.20.2026-Soil-Groundwater-Management-Plan.pdf

[34] https://s203.q4cdn.com/103172959/files/content_files/Oklo-3Q26-Company-Update-Deck.pdf

[35] https://www.nrc.gov/docs/ML2630/ML26302A318.html

[36] https://www.nrc.gov/docs/ML2628/ML26286A050.pdf

the license application for the Eagle Rock Enrichment Facility and Project IKE to expedite the review resulted in a revised schedule. NRC now anticipates completion of the license review in June 2027 but has still scheduled a draft EIS for public comment in November before it receives all the input in technical areas such as human factors engineering, chemical safety, fire safety, hydrology, geology, structural design, integrated safety analysis (ISA), external hazards, and geotechnical engineering. A draft Aquatic Resource Alteration Permit was issued that would authorize work affecting streams and wetlands.[37] A public comment by this author requesting a public meeting/hearing was filed in a timely manner.[38] Orano has apparently reconsidered the need to store, possess, and discuss classified information at its Bethesda, Maryland office.[39]

Radiant

On October 29 Radiant announced it had received DOE safety analysis approval for full power operation of its Kaleidos microreactor at Idaho National Laboratory.[40] Radiant plans to manufacture Kaleidos at its R-50 facility in Oak Ridge, Tennessee. What shortcuts this permits in the safety review of activities in Oak Ridge are unclear. On October 1, NRC sent a draft Environmental Assessment to Tennessee Division of Radiological Health (DRH) to review.[41] The document was not disclosed to the public. DRH had no comments and appeared to be underwhelmingly engaged based on the correspondence.[42] Radiant (dba R-50 LLC) received a Notice of Authorization from Tennessee Air Pollution Control to operate stationary emergency internal combustion engine(s) at the site.[43] NRC released the Environmental Assessment Final Report on November 4.[44] Based on this EA, the NRC staff has concluded that the proposed action would not significantly affect the quality of the human environment. Therefore, a Finding of No Significant Impact (FONSI) should therefore be made.

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37 https://dataviewers.tdec.tn.gov/dataviewers/apex_util.count_click?p_url=BGWPC.GET_WPC_DOCUMENTS?p_file=2419664040250120601&p_cat=DOCS&p_id=2419664040250120601&p_user=GUEST&p_workspace=19833722515258996

38 https://dataviewers.tdec.tn.gov/dataviewers/apex_util.count_click?p_url=BGWPC.GET_WPC_DOCUMENTS?p_file=2494518312686446124&p_cat=DOCS&p_id=2494518312686446124&p_user=GUEST&p_workspace=19833722515258996

39 https://www.nrc.gov/docs/ML2629/ML26294A100.pdf

40 https://finance.yahoo.com/energy/articles/radiant-achieves-industry-milestone-only-194900265.html

41 https://www.nrc.gov/docs/ML2628/ML26280A184.pdf

42 https://www.nrc.gov/docs/ML2629/ML26293A120.pdf

43 https://dataviewers.tdec.tn.gov/dataviewers/apex_util.count_click?p_url=BGAPC.GET_DOCUMENTS?p_file=2510386577412956321&p_cat=DOCS&p_id=2510386577412956321&p_user=APEX_PUBLIC_USER&p_workspace=19833722515258996

44 https://www.nrc.gov/docs/ML2625/ML26258A146.pdf

Rhea County Nuclear Lifecycle Innovation Campus
The Rhea County Commission has voted to end its pursuit of a proposed nuclear energy campus following weeks of opposition from residents concerned about the potential environmental impact on their community.[45]

Savannah River Site
Savannah River Site (SRS) declared a Site Area Emergency on October 28 after a fire at the Savannah River National Laboratory.[46] Although in a Site Area Emergency no released material is expected to reach the public beyond the site boundary, there is often fear and uncertainty surrounding such events. In February 2023, a similar event occurred at Y-12.[47] These events provide an opportunity to evaluate how the surrounding public is provided information to be prepared for emergencies at the DOE facilities. The Savannah River Site appears to provide community preparedness information to its neighbors including post cards that may be mailed back in to inform authorities of special needs.[48] Oak Ridge Reservation emergency preparedness information is maintained on a Tennessee Emergency Management Authority website.[49] The effectiveness of that as outreach should be evaluated. Emergency preparedness awareness surrounding the NRC-licensed nuclear renaissance facilities is an additionally complex issue that will need to be tackled with transparency to those that could be ultimately affected.

Separations Process Research Unit (SPRU)
TDEC and DOE negotiated an agreement to transport and process 24 containers from the former SPRU site located at the Naval Reactors Knolls Atomic Power Laboratory in Niskayuna, New York to the TRU Waste Processing Center (TWPC) located on the Oak Ridge Reservation in Oak Ridge, Tennessee. The Hazardous Waste Permit documents from where the material was stored in New York are available.[50] New York regulators received no public comments on issuing that permit allowing the waste to be stored there.

Standard Nuclear
Slides dated October 1 have emerged from a pre-application presentation to NRC on a new volume-optimized fresh fuel transportation package proposed by Standard Nuclear.[51] Standard Nuclear

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[45] https://www.wdef.com/rhea-county-commission-ends-pursuit-of-proposed-nuclear-campus/

[46] https://www.newsweek.com/savannah-river-nuclear-site-fire-no-contamination-detected-after-emergency-12633480

[47] https://www.wbir.com/article/news/local/y-12-incident/51-24814bfe-e2fa-4560-a94e-b3def50504ed

[48] https://public.srs.gov/wp-content/uploads/2026/01/2026_CommPrep_Brochure.pdf

[49] https://www.tn.gov/tema/ready-communities/planning-and-risks/oak-ridge-reservation-emergency-preparedness.html

[50] https://extapps.dec.ny.gov/data/DecDocs/447011/

[51] https://www.nrc.gov/docs/ML2630/ML26306A066.pdf

submitted a Notice of Asbestos Renovation and Demolition for Building K-1007.[52] Disposal at the Loudon County Matlock Bend Landfill is identified. A section from a dated asbestos survey from 1994 for the building was also posted.[53]

Thorium Atomics

Based in Oak Ridge but not having selected a site, Thorium Atomics submitted to NRC a pre-application regulatory engagement plan for its thorium gas-cooled reactor design.[54] Until a site is selected for the construction and operation of the Tesseract TGR, a bounding envelope of (generic) site parameter values will be employed in pre-application supporting analyses to address various external hazards, including seismic, high winds, flooding, etc. It is noteworthy that Senator Tommy Tuberville (R-AL) introduced a bill in 2022 (Thorium Energy Security Act of 2022).[55] It would provide for the preservation and storage of uranium-233 to foster development of thorium molten-salt reactors, and for other purposes. It would construct a permanent, secure storage facility for uranium-233 at Redstone Arsenal, Alabama. The bill text discloses that the building 3019 inventory eventually grew to about 450 kilograms of separated uranium-233, along with approximately 1,000 kilograms of mixed fissile uranium from the Consolidated Edison Uranium Solidification Program (commonly referred to as ''CEUSP''), divided into approximately 1,100 containers. The bill was referred to the Committee on Energy and Natural Resources and never got further. A blogger recently posted what might be compelling argument for preserving the U-233 inventory rather than down blending and disposing of it.[56]

Transuranic Sludge Site Treatment Plan Milestone

A milestone has been extended to December 29, 2026, to deliver a report documenting all necessary steps that were and will be completed to obtain sufficient funding to comply with the provisions, milestones, and target dates of this Plan as pertains to the processing of mixed TRU sludge.[57]

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[52] https://dataviewers.tdec.tn.gov/dataviewers/apex_util.count_click?p_url=BGAPC.GET_DOCUMENTS?p_file=2548902581685699177&p_cat=DOCS&p_id=2548902581685699177&p_user=APEX_PUBLIC_USER&p_workspace=19833722515258996

[53] https://dataviewers.tdec.tn.gov/dataviewers/apex_util.count_click?p_url=BGAPC.GET_DOCUMENTS?p_file=2548972964241777761&p_cat=DOCS&p_id=2548972964241777761&p_user=APEX_PUBLIC_USER&p_workspace=19833722515258996

[54] https://www.nrc.gov/docs/ML2630/ML26308A231.pdf

[55] https://www.govinfo.gov/content/pkg/BILLS-117s4242is/pdf/BILLS-117s4242is.pdf

[56] https://energyfromthorium.com/2026/04/12/u233-ornl-hidden-tragedy/

[57] https://orrcatn.com/wp-content/uploads/2026/11/10262026-Request-for-Extension-.pdf

Transuranic Waste Processing Center

Upgrades to the cask processing area have been celebrated.[58] Under an AROD for EIS-0305, DOE is extending the operating life of the existing TRU Waste Processing Center (TWPC) through FY2052 and accepting 449 shipments of approximately 4,279 m^3 of TRU waste from off-site DOE facilities to TWPC for treatment, characterization, and temporary storage.[59] However, the Amended Record of Decision for the Site-Wide Environmental Impact Statement for Continued Operation of Lawrence Livermore National Laboratory analyzes the shipment of their TRU waste to Idaho National Laboratory as an intermediate site for processing prior to disposal at WIPP.[60] It is interesting that an Amendment to the Record of Decision for the Department of Energy's Waste Management Program: Treatment and Storage of Transuranic Waste issued on March 7, 2008, designated Idaho National Laboratory to receive TRU wastes from a number of sites to be treated and characterized prior to shipment to WIPP for disposal. An agreement (The Idaho Settlement Agreement) allowed TRU waste from other DOE sites to be treated at INL if treated within 6 months of receipt and shipped out of Idaho within 6 months of treatment.[61]

TRISO-X

A Confirmatory Order was issued to TRISO-X as a result of a successful Alternative Dispute Resolution mediation containing commitments as part of a settlement agreement between TRISO-X and the U.S. Nuclear Regulatory Commission (NRC) concerning an apparent violation of NRC requirements.[62] The NRC identified an apparent violation associated with TRISO-X's failure to apply effective management measures, specifically, design control measures, to ensure the design basis supporting the structural stability function of the TX-1 process building's main force resisting system was maintained during construction. TRISO-X has already completed some and agreed to perform additional corrective actions listed in the document. A subcontractor under TRISO-X initially filed a source exemption request for a temporary rock crushing operation.[63] It was soon retracted.[64]

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[58] https://www.ans.org/news/article-8558/oak-ridges-transuranic-waste-processing-center-gets-upgrades/

[59] https://www.energy.gov/sites/default/files/2026-07/amended-rod-eis-0305-sa-01-treating-tru-alpha-low-level-waste-2026-07.pdf

[60] https://www.energy.gov/sites/default/files/2026-05/arod-eis-0547-s1-llnl-site-wide-2026-05.pdf

[61] https://www.govinfo.gov/content/pkg/FR-2008-03-07/pdf/E8-4541.pdf

[62] https://www.nrc.gov/docs/ML2629/ML26293A185.pdf

[63] https://dataviewers.tdec.tn.gov/dataviewers/apex_util.count_click?p_url=BGAPC.GET_DOCUMENTS?p_file=248929398924367346 8&p_cat=DOCS&p_id=248929398924367346 8&p_user=APEX_PUBLIC_USER&p_workspace=19833722515258996

[64] https://dataviewers.tdec.tn.gov/dataviewers/apex_util.count_click?p_url=BGAPC.GET_DOCUMENTS?p_file=2490444141158524661&p_cat=DOCS&p_id=2490444141158524661&p_user=APEX_PUBLIC_USER&p_workspace=19833722515258996

United Cleanup Oak Ridge LLC (UCOR)
UCOR has received a permit that will become effective on December 1 for operation of multiple holding tanks for pump and haul of domestic wastewater to a POTW at ORNL.[65] A comment submitted by this author recommending transporting the sanitary sewage to the ORNL STP was addressed in the permit with UCOR agreeing to investigate this option for future permit reissuance.

West Virginia Nuclear Lifecycle Innovation Campus
West Virginia backed away from a federal nuclear life-cycle bid after investigative reporting in the Charleston Gazette-Mail exposed lack of public transparency on the part of state officials.[66]

Zeno Power Systems
Zeno submitted an Affidavit Supporting Request for Withholding from Public Disclosure for a white paper discussing their licensing approach for maritime deployment of a radioisotope power system.[67] A 40-year-old strontium-90 radioisotope thermoelectric generator was gifted to Zeno by DOE Oak Ridge Office of Environmental Management in 2024.[68]

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[65] https://dataviewers.tdec.tn.gov/dataviewers/apex_util.count_click?p_url=BGWPC.GET_WPC_DOCUMENTS?p_file=2538698992542628437&p_cat=DOCS&p_id=2538698992542628437&p_user=GUEST&p_workspace=19833722515258996

[66] https://wvpress.org/breaking-news/breaking-wv-backs-away-from-federal-nuclear-life-cycle-bid-after-gazette-mail-report/

[67] https://www.nrc.gov/docs/ML2630/ML26306A240.pdf

[68] https://www.energy.gov/orem/articles/doe-and-zeno-power-partner-recycle-legacy-radioactive-material-future-power-sources

TENNESSEE D.O.T.
ENGINEERING CONCEPTS
FILE NO. ____

TYPE	YEAR	COUNTY	FIGURE NO.
SIA	2025	ROANE	2



0′ 250′ 500′ 750′

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STATE INDUSTRIAL ACCESS

BLAIR RD (S.R. 327)
L.M. 0.00 TO L.M. 0.35
ROANE COUNTY

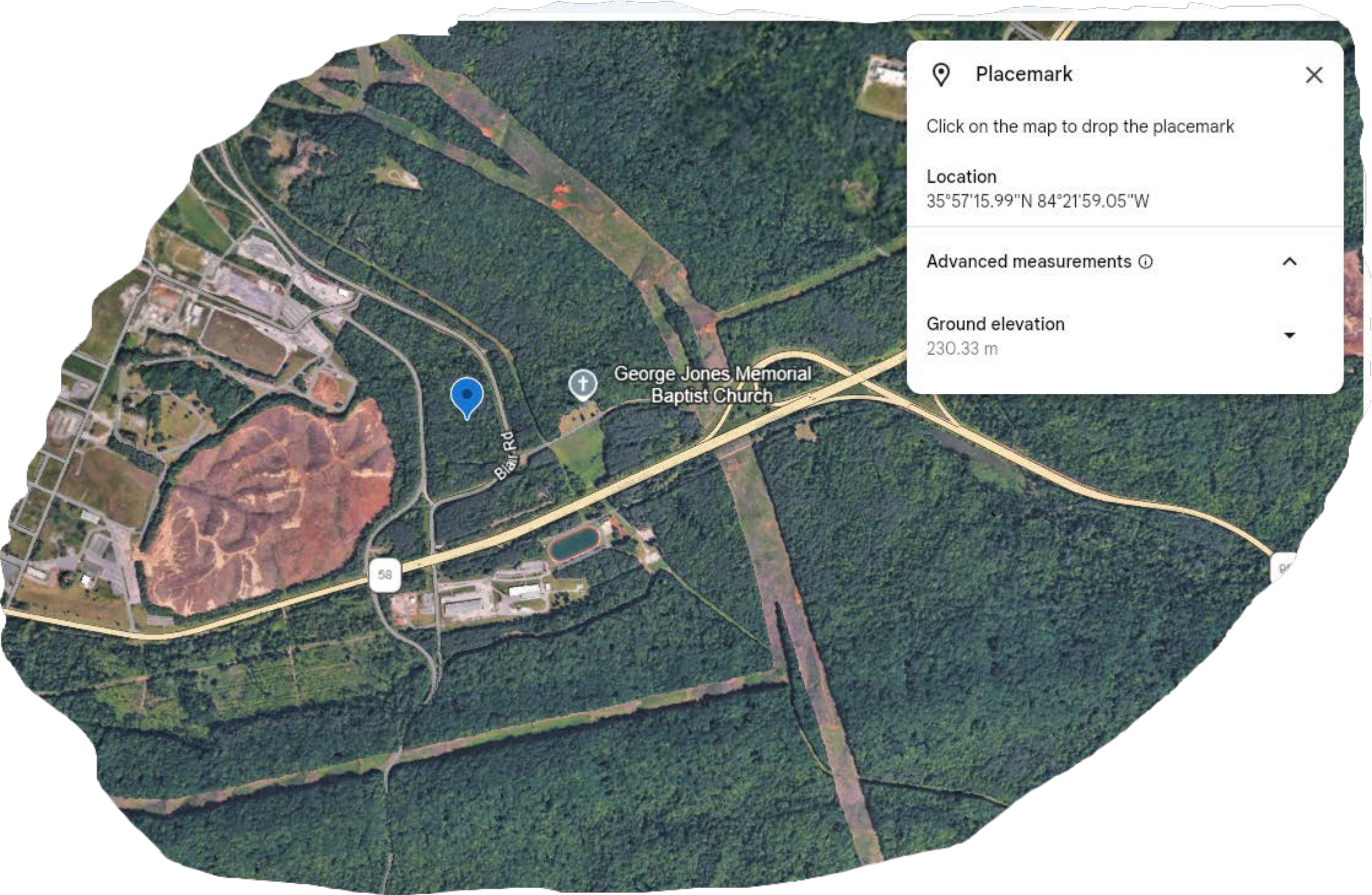
CAUTION !
PRELIMINARY
PLANS
SUBJECT TO
CHANGE

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
ENGINEERING CONCEPTS

FIGURE 2
S.R. 35
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Placemark
Click on the map to drop the placemark
Location
35°57'15.99"N 84°21'59.05"W
Advanced measurements
Ground elevation
230.33 m
George Jones Memorial Baptist Church
Blair Rd
58