

**STATE OF CALIFORNIA
REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION**

**STAFF SUMMARY REPORT: David Tanouye
MEETING DATE: September 11, 2024**

ITEM: 6B

**U.S. Department of Energy and Lawrence Livermore National Laboratory –
Termination of Order No. 88-075**

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DISCUSSION:

The Tentative Order (Appendix A) would terminate the waste discharge requirements for the U.S. Department of Energy and Lawrence Livermore National Laboratory (LLNL) for the LLNL Livermore Site and the adjoining Department of Energy research facility known as the Sandia National Laboratory in Livermore.

As part of a pilot study extraction test, the waste discharge requirements allowed for treated extracted groundwater discharges to a percolation pond at Sandia National Laboratory and at the LLNL Livermore Site for irrigation. Treatment Facility A was the initial groundwater treatment facility within the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA; also known as Superfund) groundwater cleanup project at the LLNL Livermore Site. Between 1989 and 2003, elevation measurements showed that a groundwater mound developed beneath the Treatment Facility A percolation pond which subsided after 2003. The evaluation indicated that groundwater mounding caused contaminant migration outside the hydraulic capture zone for the Treatment Facility A tetrachloroethylene (TCE) plume remediation system.

In 2002, LLNL proposed terminating use of the Treatment Facility A percolation pond. In June 2003, treated groundwater was diverted to surface water bodies, including Arroyo Las Positas and Arroyo Seco, following the discharge requirements outlined in the CERCLA Record of Decision for the LLNL Livermore Site. LLNL discontinued further discharges to the Treatment Facility A percolation pond based on results of the evaluation.

We did not receive comments on the Tentative Order circulated for public review. We expect this item to remain uncontested.

APPENDIX:

A. Tentative Order

Appendix A
Tentative Order