



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

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March 16, 2021

21-NWP-043

Brian T. Vance, Manager
Office of River Protection
United States Department of Energy
PO Box 450, MSIN: H6-60
Richland, Washington 99352

Re: Washington State Department of Ecology Response to Request for Authorization for Discharges to the State-Approved Land Disposal Site Approved via Permit ST0004500

Reference: See page 2

Dear Brian T. Vance,

The Department of Ecology (Ecology) received a request from the United States Department of Energy, Office of River Protection (USDOE-RL) on July 22, 2020 (Reference) to approve discharges to the State-Approved Land Disposal Site (SALDS) under State Waste Discharge Permit Number ST0004500 (ST4500).

The Permittee's request for Ecology to authorize the discharge of treated Field Lysimeter Test Facility (FLTF) wastewater, treated pesticides and herbicides wastewater, and treated cleaning and maintenance chemicals to the SALDS is approved based on our review of the information provided in the Reference and conditions set forth in the Liquid Effluent Retention Facility (LERF) and 200 Area Effluent Treatment Facility (ETF) permit chapter of the Hanford Site-wide Dangerous Waste Permit, WA7890008967. Ecology may request additional information to support the addition of the above items to the list of authorized discharges to the SALDS as part of the ST4500 permit renewal evaluation.

The waste streams identified above will be routed through treatment at the ETF prior to discharge at the SALDS. Therefore, the USDOE must ensure that these wastewaters meet Waste Acceptance Criteria at the LERF and 200 Area ETF and that the treated effluent meets the discharge limits of ST4500.

This letter of approval is limited to the waste streams and chemical constituents identified in the Reference's attachments as routing through the ETF for treatment. Ecology requests that the Permittee notify Ecology when the list of the chemical products identified in the attachments is added to or lessened. The notification must identify the name of the chemical product being added or removed. This requirement does not apply to product substitutions if the active ingredients remain the same.

Brian T. Vance
March 16, 2021
Page 2 of 2

21-NWP-043

Approval of the remaining items within the Reference are pending evaluation by Ecology and a separate response will be prepared. This letter of approval is valid until the ST4500 permit is renewed, at which point the conditions of the renewed permit will supersede the terms of this letter.

For questions, please contact Katie Hall, Permit Lead, at katie.hall@ecy.wa.gov or (509) 372-7885, or John Temple, Project Manager, at john.temple@ecy.wa.gov or (509) 372-7929.

Sincerely,



Digitally signed by Bowen,
David (ECY)
Date: 2021.03.16 15:06:33
-07'00'

David B. Bowen
Program Manager
Nuclear Waste Program

Reference: Letter 20-ECD-0034, dated July 22, 2020, "Request for Washington State Department of Ecology Authorization for Discharges to the State-Approved Land Disposal Site Approved Via Permit ST0004500"

kh/jlg

cc electronic:

Rana Evans, USDOE-ORP
Chris Kemp, USDOE-ORP
Elizabeth Raney, PNNL
Michael Stephenson, PNNL
Clyde Allen, WRPS
James Hamilton, WRPS
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David Bowen, Ecology
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Ellie Ott, Ecology
John Temple, Ecology
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Administrative Record
Environmental Portal
Hanford Facility Operating Record
USDOE-ORP Correspondence Control
PNNL Correspondence Control
WRPS Correspondence Control