

# Kaiser Aluminum

## Corporate Environmental Affairs

May 9, 2003  
Project No. 5427L-01

U.S. Nuclear Regulatory Commission  
Washington, DC 20555  
Attn: Document Control Desk

Transmittal  
Final Revised Technical Documents  
Kaiser Phase II Decommissioning Plan and Addendum  
Tulsa, Oklahoma Facility  
Kaiser Aluminum & Chemical Corporation

Dear Sir or Madam:

Enclosed please find one copy each of the final revised Phase II Decommissioning Plan (DP) and Decommissioning Plan Addendum (DPA) for the Kaiser Aluminum & Chemical Corporation (Kaiser) Tulsa, Oklahoma facility. The DP addresses the remediation of the affected portions of the 14-acre "pond parcel" at the facility and the DPA focuses on an approximate 3.5-acre land area of the facility known as the "former operational area."

The DP and DPA were revised to incorporate Kaiser's December 20, 2002 Response to Nuclear Regulatory Commission's (NRC) Request for Additional Information (RAI). NRC's RAI (dated October 30, 2002) was based on information submitted by Kaiser in (1) the June 6, 2002 response to comments letter regarding the June 2001 DP; and (2) the May 2002 DPA. The June 6, 2002 Kaiser letter provided a response to NRC's written comments provided during the April 25, 2002 Kaiser-NRC meeting at NRC's headquarters regarding the June 2001 DP submittal. The final revised documents also address NRC's informal comments regarding the December 20, 2002 Kaiser Response to RAI.

Please note the following additional revisions made by Kaiser to the DP and DPA documents:

- Chapter 1.0, Executive Summary – The Executive Summaries of the DP and DPA were updated to reflect the revised facility operating history and facility description information as provided in Chapters 2.0 and 3.0 of the subject documents.
- Chapter 3.0, Facility Description – Section 3.8.1, Groundwater Flow Data, of the DP was updated to reflect current groundwater monitoring event data.
- Chapter 4.0, Radiological Status of Facility – Sections 4.4, Surface Water and 4.5, Groundwater of the DP were updated to reflect current surface water and groundwater monitoring event data. Tables 4-1 through 4-6 were also updated to present current surface water and groundwater monitoring information.

- Chapter 15.0, Budgetary Cost Estimate – The preliminary cost estimates provided in Chapter 15.0 (including Table 15-1) of the DP and DPA were revised to reflect the 2003 Heavy Construction Cost Data provided in R.S. Means.
- Relevant text sections of the DP were updated to discuss the closure of the Freshwater Pond.
- Appendix E of the June 2001 DP (Kaiser's Environmental Health and Safety Plan) was removed from the subject document as agreed upon during the April 25, 2002 Kaiser-NRC meeting.
- Appendix E of the revised DP now contains supporting technical documentation for the Th-230-to-(Th-232+Th-228)/2 radionuclide ratios cited in Chapter 2.0 of the DP.
- Appendix F, which has been added to the revised DP, contains supporting technical documentation for background soil concentrations of Th-232.

Kaiser considers the budgetary cost information contained in Chapter 15.0 of the DP and DPA to be privileged and confidential information. As a result, Chapter 15.0 is being submitted to the NRC under separate cover as such. If you should have any questions concerning the two enclosures, please do not hesitate to call me at (225) 231-5116.

Respectfully submitted,



J. W. (Bill) Vinzant  
Manager, Corporate Environmental Affairs

JWV:tls

Enclosures

cc: Mr. John Buckley – U.S. Nuclear Regulatory Commission  
Mr. Dwight Chamberland – U.S. Nuclear Regulatory Commission, Region IV  
Ms. Pamela Bishop – Oklahoma Department of Environmental Quality  
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Mr. Scott Van Loo – City of Tulsa