

OCT 03 1986

Consolidated Aluminum Corporation
ATTN: William R. Mura
Manager
Power/Environmental Control
11960 W. Line Industrial Drive
St. Louis, MO 63141

Gentlemen:

Enclosed is Amendment No. 05 to your NRC License No. STB-1097 in accordance with your request.

Please note that we have conditioned your license, such that it will be necessary to decontaminate and decommission the thorium sludge storage area prior to the expiration of this license. Should you find that your company cannot comply with this time frame, please submit a schedule outlining the time frames to be followed in the ultimate decommissioning of your storage area.

We also direct your attention to Condition 15. of your amendment, which requires the submission of a radiation protection program which is to be followed during the decommissioning of the thorium sludge area, i.e., disposal to approved burial sites. We have enclosed NRC draft regulatory guide "Standard Format and Content of Decommissioning Plans For CFR Parts 30, 40 and 70 Licenses," and suggest that you utilize the Format outlined in Chapter 2 of the guide.

Please review the enclosed document carefully and be sure that you understand all conditions. You must conduct your program involving radioactive materials in accordance with the conditions of your NRC license, representations made in your license application, and NRC regulations. In particular, note that you must:

1. Operate in accordance with NRC regulations 10 CFR Part 19, "Notices, Instructions and Reports to Workers; Inspections," 10 CFR Part 20, "Standards for Protection Against Radiation," and other applicable regulations.
2. Possess radioactive material only in the quantity and form indicated in your license.
3. Use radioactive material only for the purpose(s) indicated in your license.

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4. Notify NRC in writing of any change in mailing address.
5. Request and obtain appropriate amendment if you plan to change ownership of your organization, change locations of radioactive material, or make any other changes in your facility or program which are contrary to your license conditions or representations made in your license application and any supplemental correspondence with NRC. Any amendment request should be accompanied by the appropriate fee specified in 10 CFR Part 170.
6. Submit a complete renewal application with proper fee or termination request at least 30 days before the expiration date on your license. You will receive a reminder notice approximately 90 days before the expiration date. Possession of radioactive material after your license expires is a violation of NRC regulations.
7. Request termination of your license if you plan to permanently discontinue activities involving radioactive material prior to your expiration date.

You will be periodically inspected by NRC. Failure to conduct your program in accordance with NRC regulations, license conditions and representations in your license application will result in enforcement action against you in accordance with the General Policy and Procedures for NRC Enforcement Actions, 10 CFR Part 2, Appendix C.

If you have any questions or require clarification of any of the above stated information, contact us at (312) 790-5625.

Sincerely,

Original Signed By
George M. McCann
Materials Licensing Section

Enclosure: Amendment No. 05

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McCann/pd
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**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License number **STB-1097**

Docket or Reference number **040-08088/040-08923**

Amendment No. **05**

Consolidated Aluminum Corporation
11960 W. Line Industrial Drive
St. Louis, MO 63141

In accordance with letter dated August 21, 1986, License Number STB-1097 is amended as follows:

Items 6., 7., 8., and 9. are amended to read:

| | | |
|-------------------------------------------------------|----------------------------------|--------------------------------------------------------------------------------|
| 6. Byproduct, source, and/or special nuclear material | 7. Chemical and/or physical form | 8. Maximum amount that licensee may possess at any one time under this license |
| A. Thorium | A. Magnesium sludge | A. 1,500,000 kilograms |

9. Authorized Use

A. Storage incident to the decontamination and decommissioning of the thorium sludge area prior to the expiration of this license.

CONDITIONS

Conditions 12. and 14. are amended to read:

- 12. The security and maintenance of material in storage shall be under the supervision of Kenneth R. Baker, Ph.D.
- 14. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents including any enclosures, listed below. The Nuclear Regulatory Commission's regulations shall govern unless the statements, representations and procedures in the licensee's application and correspondence are more restrictive than the regulations.
 - A. Application dated April 20, 1982 with enclosures thereto;
 - B. Letters dated May 23, 1983, May 15, 1984, May 2, 1985, July 2, 1985 and August 21, 1986.

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**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License No. STB-1097

Docket or Reference number 040-08088

Amendment No. 05

Condition 15. is added as follows:

15. The licensee shall submit (prior to decommissioning) the methods used to protect workers and the environment against radiation hazards during the decommissioning of the sludge storage area.

For the U.S. Nuclear Regulatory Commission

Date OCT 03 1986

Original Signed
By George M. McCann
Materials Licensing Section, Region III

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MATERIALS LICENSE
SUPPLEMENTARY SHEET

License number STB-1097

Docket or Reference number 040-08088

Amendment No. 04

Consolidated Aluminum Corporation
11960 West Line Industrial Drive
St. Louis, MO 63141

In accordance with letter dated May 2, 1985, License Number STB-1097 is amended as follows:

Conditions 12. and 14. are amended to read:

- 12. Licensed material shall be used by, or under the supervision of, B.W. Moore, B.R. Hughes, J.E. Wallace or J.P.D. Wilson.
- 14. Except as specifically provided otherwise by this license, the licensee shall possess and use licensed material described in Items 6, 7, and 8 of this license in accordance with statements, representations, and procedures contained in application dated April 20, 1982 with enclosures thereto; and letters dated May 23, 1983, May 15, 1984, May 2, 1985 and July 2, 1985. The Nuclear Regulatory Commission's regulations shall govern the licensee's statements in applications or letters, unless the statements are more restrictive than the regulations.

For the U.S. Nuclear Regulatory Commission

Date July 19, 1985

Original Signed
By B.J. Holt
Materials Licensing Section, Region III

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