



STATE OF IDAHO  
DEPARTMENT OF  
ENVIRONMENTAL QUALITY

1410 North Hilton • Boise, Idaho 83706-1255 • (208) 373-0502

Dirk Kempthorne, Governor  
Toni Hardesty, Director

May 23, 2006

**Certified Mail No. 7005 1160 0000 1550 4007**

Robert L. Peterson, P.E.  
Staff Process Engineer  
Tronox, LLC  
P.O. Box 478  
Soda Springs, ID 83276

RE: Facility ID No. 029-00002, Tronox LLC (Formerly Kerr-McGee), Soda Springs  
Final Permit Letter

Dear Mr. Peterson:

The Idaho Department of Environmental Quality (DEQ) is issuing Permit to Construct (PTC) No. P-060306 to Tronox, LLC for the Lithium Manganese Oxide/Lithium Cobalt Oxide (LMO/LCO) production process in accordance with IDAPA 58.01.01.200 through 228 (Rules for the Control of Air Pollution in Idaho).

This permit is based on your permit application received on February 28, 2006, and additional information received on March 10 and 21, 2006. This permit is effective immediately, and replaces existing LMO/LCO PTC Nos. 029-00002 issued September 23 and November 25, 1994; November 4, 1996; and February 14, 2000, the terms and conditions of which will no longer apply. This permit does not release Tronox, LLC from compliance with all other applicable federal, state, or local laws, regulations, permits, or ordinances.

A representative of the Pocatello Regional Office will contact you regarding a meeting with DEQ to discuss the permit terms and requirements. DEQ recommends the following representatives attend the meeting: your facility's plant manager, responsible official, environmental contact, and any operations staff responsible for day-to-day compliance with permit conditions.

Pursuant to IDAPA 58.01.23, you, as well as any other entity, may have the right to appeal this final agency action within 35 days of the date of this decision. However, prior to filing a petition for a contested case, I encourage you to contact Dan Pitman at (208) 373-0502 or [Daniel.Pitman@deq.idaho.gov](mailto:Daniel.Pitman@deq.idaho.gov) to address any questions or concerns you may have with the enclosed permit.

Sincerely,

Martin Bauer, Administrator  
Air Quality Division

MB/CR/bf

Permit No. P-060306

Enclosures

c:     **Pete Wagner, Pocatello Regional Office**  
      **Dan Pitman, Permit Coordinator**  
      **Cheryl Robinson, Permit Writer**  
      **Marilyn Seymore/ Pat Rayne, Air Quality Division**  
      **Laurie Kral, US EPA Region 10**  
      **Permit Binder**  
      **Source File**  
      **Phyllis Heitman (Ltr Only)**  
      **Reading File (Ltr Only)**



**Air Quality  
PERMIT TO CONSTRUCT**

**State of Idaho  
Department of Environmental Quality**

**PERMIT No.:** P-060306

**FACILITY ID No.:** 029-00002

**AQCR:** 61

**CLASS:** B

**SIC:** 2899

**ZONE:** 12

**UTM COORDINATE (km):** 452.3,4725.4

**1. PERMITTEE**

Tronox, LLC

**2. PROJECT**

Add mill, classification units (sizing), and lanthanum compound to the lithium manganese oxide (LMO) process

**3. MAILING ADDRESS**

1864 North Highway 34

**CITY**

Soda Springs

**STATE**

ID

**ZIP**

83276

**4. FACILITY CONTACT**

Robert L. Peterson, P.E.

**TITLE**

Staff Process Engineer

**TELEPHONE**

(208) 547-3331, ext. 238

**5. RESPONSIBLE OFFICIAL**

Boyd Schvaneveldt

**TITLE**

Site Manager

**TELEPHONE**

(208) 547-3331, ext 230

**6. EXACT PLANT LOCATION**

1864 North Highway 34 (1.5 miles north of Soda Springs)

**COUNTY**

Caribou

**7. GENERAL NATURE OF BUSINESS & KINDS OF PRODUCTS**

Manufacture cathode materials for rechargeable batteries (emerging technologies)

**8. GENERAL CONDITIONS**

This permit is issued according to IDAPA 58.01.01.200, Rules for the Control of Air Pollution in Idaho, and pertains only to emissions of air contaminants regulated by the state of Idaho and to the sources specifically allowed to be constructed or modified by this permit.

This permit (a) does not affect the title of the premises upon which the equipment is to be located; (b) does not release the permittee from any liability for any loss due to damage to person or property caused by, resulting from, or arising out of the design, installation, maintenance, or operation of the proposed equipment; (c) does not release the permittee from compliance with other applicable federal, state, tribal, or local laws, regulations, or ordinances; (d) in no manner implies or suggests that the Department of Environmental Quality (DEQ) or its officers, agents, or employees, assume any liability, directly or indirectly, for any loss due to damage to person or property caused by, resulting from, or arising out of design, installation, maintenance, or operation of the proposed equipment.

This permit will expire if construction has not begun within two years of its issue date or if construction is suspended for one year.

This permit has been granted on the basis of design information presented with its application. Changes of design or equipment may require DEQ approval pursuant to the Rules for the Control of Air Pollution in Idaho, IDAPA 58.01.01.200, et seq.

  
TONI HARDESTY, DIRECTOR  
DEPARTMENT OF ENVIRONMENTAL QUALITY

**DATE ISSUED:** May 23, 2006

## **Table of Contents**

<b>ACRONYMS, UNITS, AND CHEMICAL NOMENCLATURE.....</b>	<b>3</b>
<b>1. PERMIT TO CONSTRUCT SCOPE.....</b>	<b>4</b>
<b>2. LITHIUM MANGANESE OXIDE – LITHIUM COBALT OXIDE PRODUCTION.....</b>	<b>6</b>
<b>3. PERMIT TO CONSTRUCT GENERAL PROVISIONS.....</b>	<b>10</b>

## Acronyms, Units, and Chemical Nomenclature

acfm	actual cubic feet per minute
AFS	AIRS Facility Subsystem
AIRS	Aerometric Information Retrieval System
AQCR	Air Quality Control Region
ASTM	American Society for Testing and Materials
Btu	British thermal unit
CAA	Clean Air Act
CFR	Code of Federal Regulations
Co	cobalt
CO	carbon monoxide
DEQ	Department of Environmental Quality
dscf	dry standard cubic feet
EPA	U.S. Environmental Protection Agency
gr	grain (1 lb = 7,000 grains)
HAPs	hazardous air pollutants
hp	horsepower
IDAPA	a numbering designation for all administrative rules in Idaho promulgated in accordance with the Idaho Administrative Procedures Act
km	kilometer
lb/hr	pound per hour
LCO	lithium cobalt oxide process
Li	lithium
LMO	lithium manganese oxide process
m	meter(s)
Mn	manganese
NESHAP	Nation Emission Standards for Hazardous Air Pollutants
NO <sub>2</sub>	nitrogen dioxide
NO <sub>x</sub>	nitrogen oxides
NSPS	New Source Performance Standards
PM	particulate matter
PM <sub>10</sub>	particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers
ppm	parts per million
PSD	Prevention of Significant Deterioration
PTC	permit to construct
PTE	potential to emit
scf	standard cubic feet
SIC	Standard Industrial Classification
SIP	State Implementation Plan
SO <sub>2</sub>	sulfur dioxide
SO <sub>x</sub>	sulfur oxides
T/yr	tons per year
µg/m <sup>3</sup>	micrograms per cubic meter
UTM	Universal Transverse Mercator
VOC	volatile organic compound

**AIR QUALITY PERMIT TO CONSTRUCT NUMBER: P-060306**

<b>Permittee:</b>	Tronox, LLC	<b>Facility ID No.</b> 029-00002	<b>Date Issued:</b>	May 23, 2006
<b>Location:</b>	Soda Springs, Idaho			

**1. PERMIT TO CONSTRUCT SCOPE**

**Purpose**

- 1.1 The purpose of this permit is to authorize the installation of an additional mill and two classification units (sizing equipment) in the lithium manganese oxide (LMO)/lithium cobalt oxide (LCO) production process, to authorize using a lanthanum compound in part of the manufacturing process, and to renew authorization to construct an annealing calciner in the LMO process line. This PTC also reflects the change in facility owner name from Kerr-McGee Chemical, LLC to Tronox, LLC.
- 1.2 This PTC replaces the following permits for the LMO production process, the terms and conditions of which no longer apply:
- PTC No.029-00002, Project No. 990160, issued February 14, 2000 for Lithium Manganese/Lithium Cobalt Material Production. Permit added the annealing calciner, changed the use of the lithium hydroxide bake calciner, and increased throughput from 200 lb/hr to 300 lb/hr.
  - PTC No. 029-00002, P-960118, issued November 4, 1996 (Lithium-Manganese Material Production). Permit was for construction of a new lithium-manganese material production plant with a throughput of 200 lb/hr.
  - PTC No. 029-00002, P-940181, issued November 25, 1994 (Lithium-Manganese Production Plant). Permit was for conversion of a lithium-manganese pilot plant to a commercial production plant with a throughput of 100 lb/hr.
  - PTC No. 029-00002, issued September 23, 1994 (permit specifying Lithium Cobalt)
- 1.3 The following permits issued for the LMO production process are still in effect:
- PTC No. 029-00002, P-970027, issued April 30, 1997 (PTC Amendment, Li-Mn/Li-Co Production). Authorizes production of lithium cobalt material using the lithium-manganese plant.
  - Permit No. 029-00002 dated October 7, 2002. Authorizes the production of lithium vanadium oxide (LVO) at this facility.

**Regulated Sources**

- 1.4 Table 1.1 lists all sources of regulated emissions for the LMO/LCO process line. Emissions sources added in this PTC are noted as "New." The annealing calciner, which was authorized in a 2000 PTC, but which has not yet been installed, is noted as "Renewed."

**Table 1.1 SUMMARY OF REGULATED SOURCES FOR THE LMO/LCO PRODUCTION PROCESS**

Permit Section	Source Description	Emission Point(s)
2	<p><b><u>LMO Mill 150 (NEW)</u></b>                      Manufacturer: CCE Technologies Model 150                      Feed Material: Manganese Dioxide                      Fuel Type: Electric                      Max Rated Capacity (Feed Input): 300 lb/hr, 1,314 tons/year                      Normal Max Output: 300 lb/hr, 1,314 tons/year</p>	<p><b><u>Collector (NEW)</u></b>                      Manufacturer: Torit                      Model: TD 573                      Mfr Grain Loading: 0.002 gr/dscf</p>

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<b>Location:</b>	Soda Springs, Idaho			

Permit Section	Source Description	Emission Point(s)
2	<b><u>LMO Classification 250 (NEW)</u></b> Manufacturer: CCE Technologies Model 250 Feed Material: Manganese Dioxide Fuel Type: Electric Max Rated Capacity (Feed Input): 300 lb/hr, 1,314 tons/year Normal Max Output: 300 lb/hr, 1,314 tons/year	<b><u>Collector (NEW)</u></b> Manufacturer: Torit Model: TD 573 Mfr Grain Loading: 0.002 gr/dscf
2	<b><u>LMO Classification 500 (NEW)</u></b> Manufacturer: CCE Technologies Model 500 Feed Material: Manganese Dioxide Fuel Type: Electric Max Rated Capacity (Feed Input): 300 lb/hr Normal Max Output: 300 lb/hr, 1,314 tons/year	<b><u>Baghouse (NEW)</u></b> Manufacturer: Mac Equipment Model: 72RT52 Mfr Grain Loading: 0.02 gr/dscf
2	<b><u>Mn<sub>2</sub>O<sub>3</sub> Calciner</u></b> Manufacturer: (not noted) Model: (not noted) Fuel/Rating: Electric Normal Max Output: 300 lb/hr, 1,314 tons/year	<b><u>Baghouse #4</u></b> Manufacturer: Micro Pul Model/Type: Model 25S-8-20 Mfr Grain Loading: 0.02 gr/dscf
2	<b><u>LiMn<sub>2</sub>O<sub>4</sub> Calciner (reaction calciner)</u></b> Manufacturer: (not noted) Model: (not noted) Fuel/Rating: Electric Normal Max Output: 300 lb/hr, 1,314 tons/year	<b><u>Baghouse #3</u></b> Manufacturer: Micro Pul Model/Type: Model 25S-8-20 Mfr Grain Loading: 0.02 gr/dscf
2	<b><u>Annealing Calciner (RENEWED)</u></b> Manufacturer: (not noted) Model: (not noted) Fuel/Rating: Electric Normal Max Output: 300 lb/hr, 1,314 tons/year	<b><u>Baghouse #2 (RENEWED)</u></b> Manufacturer: Micro Pul Model/Type: Model 25S-8-20 Mfr Grain Loading: 0.02 gr/dscf
2	<b><u>LiOH Bake Calciner</u></b> Manufacturer: (not noted) Type: Electric Heating, Static Bed, Totally Enclosed Normal Max Output: 300 lb/hr, 1,314 tons/year	<b><u>Baghouse #1</u></b> Manufacturer: Micro Pul Model/Type: Model 25S-8-20 Efficiency: 98% Mfr Grain Loading: 0.02 gr/dscf

**Other Sources**

1.5 Table 1.2 identifies all other air pollution emitting sources at the facility that do not require specific permit conditions to demonstrate compliance with applicable air quality standards.

**Table 1.2 OTHER AIR POLLUTION SOURCES AT THE LMO/LCO FACILITY**

Permit Section	Source Description	Emissions Control(s)
--	<b><u>Mill/Grinder (old)</u></b> Manufacturer: Vibra-Energy Grinder Type: Totally Enclosed	None
--	<b><u>Transfer Equipment</u></b> Type: 6-inch Screw Feeders, Totally Enclosed No. of units: 2	None

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<b>Location:</b>	Soda Springs, Idaho			

**2. LITHIUM MANGANESE OXIDE – LITHIUM COBALT OXIDE PRODUCTION**

**2.1 Process Description**

Lithium manganese oxide (LiMn<sub>2</sub>O<sub>4</sub> or LMO) or lithium cobalt oxide (LiCoO<sub>2</sub> or LCO) can be used as cathode materials in rechargeable batteries. The use of these hybrid materials is an emerging technology, and therefore requires some flexibility in the specific arrangement and use of individual heating or milling units. The LMO/LCO production plant currently consists of three electrically heated calciners, one new annealing calciner, and various material sizing and handling equipment.

Feed material is received in bags, supersacks or totes. LMO is produced in a series of batch processes that include reacting manganese oxide or cobalt oxide and a lithium-bearing material at an elevated temperature, milling and classification (sizing) of powdered product, and adding customer-specific treatment or coatings. The LMO/LCO is then fed through a screening system with a magnetic separator, and the product is then blended and packaged into containers for shipment. The product is then shipped to customers in drums or totes.

Each batch processing unit is provided with a dedicated baghouse or filter/collector to recover product. The material collected in each baghouse or filter/collector is stored separately and returned to the process, or according to the permittee, returned to the supplier. LMO/LCO process equipment and emission points are described in Table 2.1.

**Table 2.1 LMO/LCO PROCESS EQUIPMENT DESCRIPTION**

<b>Emissions Unit(s) / Process(es)</b>	<b>Product Collection Device</b>	<b>Emission Point</b>
<b><u>LMO Mill 150 (NEW)</u></b> Manufacturer: CCE Technologies Model: Model 150 Feed Material: Manganese Dioxide Fuel Type: Electric Max Rated Capacity (Feed Input): 300 lb/hr	<b><u>Collector (NEW)</u></b> Manufacturer: Torit Model: TD 573 Efficiency: 99.999% , Mfr guaranteed 0.002 gr/dscf	LMO Mill 150 Collector Stack Exit Gas Volume: 680 acfm Exit Gas Temp: 70 °F Stack: 8 ft high, 8-inch exit dia.
<b><u>LMO Classification 250 (NEW)</u></b> Manufacturer: CCE Technologies Model: 250 Feed Material: Manganese Dioxide Fuel Type: Electric Max Rated Capacity (Feed Input): 300 lb/hr	<b><u>Collector (NEW)</u></b> Manufacturer: Torit Model: TD 573 Efficiency: 99.999% Mfr guaranteed 0.002 gr/dscf	LMO Class 250 Collector Stack Exit Gas Volume: 385 acfm Exit Gas Temp: 70 °F Stack: 6 ft high, 3-inch exit dia.
<b><u>LMO Classification 500 (NEW)</u></b> Manufacturer: CCE Technologies Model: 500 Feed Material: Manganese Dioxide Fuel Type: Electric Max Rated Capacity (Feed Input): 300 lb/hr	<b><u>Baghouse (NEW)</u></b> Manufacturer: Mac Equipment Model: 72RT52 Efficiency: 99.9% , Mfr guaranteed 0.02 gr/dscf	LMO Class 500 Baghouse Stack Exit Gas Volume: 850 acfm Exit Gas Temp: 70 °F Stack: 8 ft high, 8-inch exit dia.
<b><u>Mn<sub>2</sub>O<sub>3</sub> Calciner</u></b> Manufacturer: (not noted) Model: (not noted) Fuel/Rating: Electric, 15 kW Max Rated Capacity (Feed Input): 300 lb/hr	<b><u>Baghouse #4</u></b> Manufacturer: Micro Pul Model/Type: 25S-8-20 Efficiency: (not noted) Mfr guaranteed 0.02 gr/dscf	Baghouse #4 Stack Exit Gas Volume: 811 acfm Exit Gas Temp: 70 °F Stack Parameters: Height: 25 feet Exit Diameter: 0.75 feet
<b><u>LiMn<sub>2</sub>O<sub>4</sub> Calciner (reaction calciner)</u></b> Manufacturer: (not noted) Model: (not noted) Fuel/Rating: Electric Max Rated Capacity (Feed Input): 300 lb/hr	<b><u>Baghouse #3</u></b> Manufacturer: Micro Pul Model/Type: 25S-8-20 Efficiency: (not noted) Mfr guaranteed 0.02 gr/dscf	Baghouse #3 Stack --Same as Baghouse #4--

**AIR QUALITY PERMIT TO CONSTRUCT NUMBER: P-060306**

<b>Permittee:</b>	Tronox, LLC	<b>Facility ID No.</b> 029-00002	<b>Date Issued:</b>	May 23, 2006
<b>Location:</b>	Soda Springs, Idaho			

<b>Emissions Unit(s) / Process(es)</b>	<b>Product Collection Device</b>	<b>Emission Point</b>
<b>Annealing Calciner</b> Manufacturer: (not noted) Model: (not noted) Fuel/Rating: Electric Max Rated Capacity (Feed Input): 300 lb/hr	<b>Baghouse #2</b> Manufacturer: Micro Pul Model/Type: 25S-8-20 Efficiency: (not noted) Mfr guaranteed 0.02 gr/dscf	Baghouse #2 Stack --Same as Baghouse #4--
<b>LiOH Bake Calciner</b> Manufacturer: (not noted) Model: (not noted) Type: Electric Heating Static Bed Totally Enclosed Max Rated Capacity (Feed Input): 300 lb/hr	<b>Baghouse #1</b> Manufacturer: Micro Pul Model/Type: 25S-8-20 Efficiency: (not noted) Mfr guaranteed 0.02 gr/dscf	Baghouse #1 Stack --Same as Baghouse #4--

**2.2 Emissions Control Description**

The entire LMO/LCO process takes place inside a building. Exterior doors and windows are generally kept closed during operations to limit the introduction into the product of wind-blown contaminants from other facilities in this industrial area. Material handling and transfer is done in totally-enclosed equipment that is vented to the baghouses or collectors. Stringent controls to limit loss of process materials and to protect worker safety are also imposed to control fugitive losses during material transfers within the process building.

**Emissions Limits**

**2.3 Emissions Limits**

The PM<sub>10</sub> emissions from the baghouse and filter/collector stacks shall not exceed any corresponding emissions rate limits listed in Table 2.2.

**Table 2.2 LMO/LCO PROCESS STACK EMISSIONS LIMITS**

<b>Source Description</b>	<b>PM<sub>10</sub></b>	
	<b>lb/hr</b>	<b>T/yr</b>
LiOH Bake Calciner Baghouse Stack	0.14	0.50
Mn <sub>2</sub> O <sub>3</sub> Calciner Baghouse Stack	0.14	0.50
LiMn <sub>2</sub> O <sub>4</sub> Calciner Baghouse Stack	0.14	0.50
Annealing Calciner Baghouse Stack	0.14	0.50
150 Mill Filter/Collector Stack	0.01	0.027
250 Classifier Filter/Collector Stack	0.01	0.015
500 Classifier Baghouse Stack	0.10	0.33

**2.4 Opacity Limit (IDAPA)**

Emissions from the baghouse or filter/collector stacks, or any other stack, vent, or functionally equivalent opening associated with the LMO/LCO production process, shall not exceed 20% opacity for a period or periods aggregating more than three minutes in any 60-minute period as required by IDAPA 58.01.01.625. Opacity shall be determined by the procedures contained in IDAPA 58.01.01.625.

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## ***Operating Requirements***

### **2.5 Reasonable Control of Fugitive Emissions**

All reasonable precautions shall be taken to prevent particulate matter (PM) from becoming airborne in accordance with IDAPA 58.01.01.650-651. In determining what is reasonable, consideration will be given to factors such as the proximity of dust-emitting operations to human habitations and/or activities and atmospheric conditions that might affect the movement of PM. Some of the reasonable precautions include, but are not limited to, the following:

- Use, where practical, of water or chemicals for control of dust in the demolition of existing buildings or structures, construction operations, the grading of roads, or the clearing of lands.
- Application, where practical, of asphalt, oil, water, or suitable chemicals to, or covering of, dirt roads, material stockpiles, and other surfaces which can create dust.
- Installation and use, where practical, of hoods, fans, and fabric filters or equivalent systems to enclose and vent the handling of dusty materials. Adequate containment methods should be employed during sandblasting or other operations.
- Covering, where practical, of open-bodied trucks transporting materials likely to give rise to airborne dusts.
- Paving of roadways and their maintenance in a clean condition, where practical.
- Prompt removal of earth or other stored material from streets, where practical.

### **2.6 Permitted Fuels/Energy Sources**

Each calciner shall be electrically heated.

### **2.7 Allowable Feedstocks**

- Lithium-bearing material feedstock shall be lithium carbonate or lithium hydroxide.
- Cobalt-bearing material feedstock shall be cobalt oxide.
- Manganese-bearing material feedstock shall be an oxide of manganese.

### **2.8 Production Limits**

- The production of LMO or LCO shall not exceed 7,200 pounds per day, and 1,314 tons per any consecutive 12-month period.
- Lanthanum-bearing material feedstock shall not be added to more than one calciner in the LMO/LCO production line, and shall not be added at levels exceeding five (5) weight percent of the daily LMO/LCO production.

### **2.9 Baghouse and Filter/Collector Monitoring Equipment**

The permittee shall, in accordance with manufacturer specifications, install, calibrate, maintain, and operate equipment to continuously measure the pressure differential across each baghouse and filter/collector.

**AIR QUALITY PERMIT TO CONSTRUCT NUMBER: P-060306**

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<b>Location:</b>	Soda Springs, Idaho			

**2.10 Operations and Maintenance Manual**

Within 60 days of permit issuance, the permittee shall have developed an O&M manual for the baghouses and filter/collectors which control the PM and PM<sub>10</sub> emissions from each batch processing unit. The O&M manual shall describe the procedures that will be followed to comply with General Provision 2 and the manufacturer specifications for the baghouses and filter/collectors. The manual shall contain, at a minimum, the pressure drop range for the baghouse and filter/collectors, and requirements for monthly inspections of the baghouses and filter/collectors during each month of operation. The inspections shall include but not be limited to checking the bags and filters for structural integrity and that they are appropriately secured in place. The manual shall remain on site at all times and shall be made available to DEQ representatives upon request.

**2.11 Pressure Drop Across the Baghouses and Filter/Collectors**

The pressure drop across the baghouses and filter/collectors shall be maintained within manufacturer and O&M manual specifications. Documentation of both the manufacturer and O&M manual operating pressure drop specifications shall remain on site at all times and shall be made available to DEQ representatives upon request.

***Monitoring and Recordkeeping Requirements***

**2.12 Operating Parameters**

The following parameters shall be monitored and recorded. Records of this information shall remain on site for the most recent two-year period and shall be made available to DEQ representatives upon request.

- Pressure drop across the baghouses and filter/collectors once weekly when the facility is operating;
- Date and results of monthly baghouse and filter/collector inspections;
- LMO or LCO production in pounds per day, tons per month and tons per any consecutive 12 month period (tons per year);
- Lanthanum-bearing material feedstock use in pounds per day.

***Reporting Requirements***

**2.13 Exceedance Reports**

The permittee shall submit a written report to DEQ of all exceedances of any emission limit or operational requirement specified in Sections 1 and/or 2 of this permit within a reasonable time of the exceedance. The report shall contain the date, time, and duration of the exceedance, if applicable, as well as any corrective action taken to remedy the cause of the exceedance.

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**3. PERMIT TO CONSTRUCT GENERAL PROVISIONS**

1. The permittee has a continuing duty to comply with all terms and conditions of this permit. All emissions authorized herein shall be consistent with the terms and conditions of this permit and the Rules for the Control of Air Pollution in Idaho. The emissions of any pollutant in excess of the limitations specified herein, or noncompliance with any other condition or limitation contained in this permit, shall constitute a violation of this permit and the Rules for the Control of Air Pollution in Idaho, and the Environmental Protection and Health Act, Idaho Code §39-101, et seq.
2. The permittee shall at all times (except as provided in the Rules for the Control of Air Pollution in Idaho) maintain in good working order and operate as efficiently as practicable, all treatment or control facilities or systems installed or used to achieve compliance with the terms and conditions of this permit and other applicable Idaho laws for the control of air pollution.
3. The permittee shall allow the Director, and/or the authorized representative(s), upon the presentation of credentials:
  - To enter, at reasonable times, upon the premises where an emissions source is located, or in which any records are required to be kept under the terms and conditions of this permit.
  - At reasonable times, to have access to and copy any records required to be kept under the terms and conditions of this permit, to inspect any monitoring methods required in this permit, and require stack compliance testing in conformance with IDAPA 58.01.01.157 when deemed appropriate by the Director.
4. Nothing in this permit is intended to relieve or exempt the permittee from compliance with any applicable federal, state, or local law or regulation, except as specifically provided herein.
5. The permittee shall furnish DEQ written notifications as follows in accordance with IDAPA 58.01.01.211.01 and 211.03:
  - A notification of the date of initiation of construction, within five working days after occurrence;
  - A notification of the date of completion/cessation of construction, within five working days after occurrence;
  - A notification of the anticipated date of initial start-up of the stationary source or facility not more than sixty days or less than thirty days prior to such date;
  - A notification of the actual date of initial start-up of the stationary source or facility within fifteen days after such date; and
  - A notification of the initial date of achieving the maximum production rate, within five working days after occurrence - production rate and date
6. If performance testing (air emissions source test) is required by this permit, the permittee shall provide notice of intent to test to DEQ at least 15 days prior to the scheduled test date or shorter time period as approved by DEQ. DEQ may, at its option, have an observer present at any emissions tests conducted on a source. DEQ requests that such testing not be performed on weekends or state holidays.

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All performance testing shall be conducted in accordance with the procedures in IDAPA 58.01.01.157. Without prior DEQ approval, any alternative testing is conducted solely at the permittee's risk. If the permittee fails to obtain prior written approval by DEQ for any testing deviations, DEQ may determine that the testing does not satisfy the testing requirements. Therefore, at least 30 days prior to conducting any performance test, the permittee is encouraged to submit a performance test protocol to DEQ for approval. The written protocol shall include a description of the test method(s) to be used, an explanation of any or unusual circumstances regarding the proposed test, and the proposed test schedule for conducting and reporting the test.

Within 30 days following the date in which a performance test required by this permit is concluded, the permittee shall submit to DEQ a performance test report. The written report shall include a description of the process, identification of the test method(s) used, equipment used, all process operating data collected during the test period, and test results, as well as raw test data and associated documentation, including any approved test protocol.

7. The provisions of this permit are severable, and if any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.
8. In accordance with IDAPA 58.01.01.123, all documents submitted to DEQ, including, but not limited to, records, monitoring data, supporting information, requests for confidential treatment, testing reports, or compliance certification shall contain a certification by a responsible official. The certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document(s) are true, accurate, and complete.