

Statement of Basis

**Permit to Construct No. P-2006.0327
Project ID 61418**

**Lhoist North America of AZ, Inc - Tenmile Plant
Bancroft, Idaho**

Facility ID 029-00029

Final

September 26, 2014 *Syl*
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The purpose of this Statement of Basis is to satisfy the requirements of IDAPA 58.01.01. et seq, Rules for the Control of Air Pollution in Idaho, for issuing air permits.

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ACRONYMS, UNITS, AND CHEMICAL NOMENCLATURE

acfm	actual cubic feet per minute
AFS	AIRS Facility Subsystem
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	carbon monoxide
DEQ	Department of Environmental Quality
dscf	dry standard cubic feet
EPA	U.S. Environmental Protection Agency
gpm	gallons per minute
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
MACT	Maximum Achievable Control Technology
MMBtu	million British thermal units
NESHAP	Nation Emission Standards for Hazardous Air Pollutants
NO ₂	nitrogen dioxide
NO _x	nitrogen oxides
NSPS	New Source Performance Standards
PM	particulate matter
PM ₁₀	particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers
PM _{2.5}	particulate matter with an aerodynamic diameter less than or equal to a nominal 2.5 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
SM	synthetic minor
SO ₂	sulfur dioxide
SO _x	sulfur oxides
T/yr	tons per year
VOC	volatile organic compound

FACILITY INFORMATION

Description

Lhoist North America of Arizona, Inc. - Tenmile Plant operates a limestone quarry, crushing and screening operations, and a lime kiln to produce lime. Detailed process descriptions can be found in the permit.

Permitting History

The following information was derived from a review of the permit files available to DEQ. Permit status is noted as active and in effect (A) or superseded (S).

March 27, 2007	PTC No. P-060327, permit revision requiring only water spray on days with no precipitation and when temp is above 32°F, permit status (A, will be S upon issuance of this PTC)
March 16, 1995	PTC No. 029.00029, including crushing, screening, downhill belt conveyor, kiln, lime handling, and spall handling; baghouse pressure drop monitoring being changed to maintain within manufacturer specs, permit status (S)
May 23, 1994	PTC No. 029-00029, including crushing, screening, downhill belt conveyor, kiln, lime handling, and spall handling, permit status (S)
August 18, 1993	PTC No. 029-00029, including crushing, screening, downhill belt conveying, kiln, and lime handling, permit status (S)
March 2, 1993	PTC No. 029-00029, including crushing, screening, downhill belt conveying, kiln, and lime handling, permit status (S)
March 2, 1993	PTC No. 029-00026, Quarry, permit status (A)
March 30, 1992	PTC No. 0420-0029, Lime Kiln project and permit for the production and distribution of lime, permit status (S)
March 30, 1992	PTC No. 0420-0029, Quarry, permit status (S)
June 24, 1991	PTC No. 0420-00026 (facility ID 029-00028), Lime Quarry PTC, permit status (S)
June 24, 1991	PTC No. 0420-00026, Lime Kiln PTC and permit for the production and distribution of lime; including primary crushing (DC-120), primary screening (DC-123), downhill belt conveying system (DC-126, 129 & 132), secondary crushing and screening (DC-236), kiln feed bin (DC-230), vertical lime kiln (DC-308), lime handling (DC-316, 504, 518, 527, 531 & 534), permit status (S)

Application Scope

This PTC is a revision of an existing permit for a facility name change from Chemical Lime Company to Lhoist North America of Arizona, Inc. - Tenmile Plant.

Application Chronology

August 25, 2014	DEQ received an application.
September 18, 2014	DEQ determined that the application was complete.
September 26, 2014	DEQ issued the final permit and statement of basis.

TECHNICAL ANALYSIS

This project is for a facility name change; no technical analysis is required.

REGULATORY ANALYSIS

Attainment Designation (40 CFR 81.313)

The facility is located in Caribou County, which is designated as attainment or unclassifiable for PM_{2.5}, PM₁₀, SO₂, NO₂, CO, and Ozone. Refer to 40 CFR 81.313 for additional information.

Facility Classification

Because this project is for a facility name change, emissions calculations were not provided in the application. According to the statement of basis for the existing PTC issued on March 27, 2007, the facility was classified as a synthetic minor facility because the facility's potential to emit is limited to less than major source thresholds.

Permit to Construct (IDAPA 58.01.01.201)

IDAPA 58.01.01.201 Permit to Construct Required

The permittee has requested that a PTC be issued to the facility for a facility name change. Therefore, a permit to construct is required to be issued in accordance with IDAPA 58.01.01.220. This permitting action was processed in accordance with the procedures of IDAPA 58.01.01.200-228.

NSPS Applicability (40 CFR 60)

This project is for a facility name change and does not change NSPS applicability or requirements.

NESHAP Applicability (40 CFR 61 and 63)

This project is for a facility name change and does not change NESHAP applicability or requirements.

Permit Conditions Review

This section describes only those permit conditions that have been added, revised, modified or deleted as a result of this permitting action.

The current PTC template is used for this PTC revision. The General Provisions of the existing PTC have been replaced with the ones from the current template.

PUBLIC REVIEW

Public Comment Opportunity

Because this permitting action does not authorize an increase in emissions, an opportunity for public comment period was not required in accordance with IDAPA 58.01.01.209.04.