



Janet Napolitano
Governor

ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY

1110 West Washington Street • Phoenix, Arizona 85007-2935
(602) 771-2300 • <http://www.azdeq.gov>



Stephen A. Owens
Director

**CERTIFIED MAIL
RETURN RECEIPT REQUESTED**

FILE

AQD:PS:CTS:125256

December 11, 2006

Dale Van Vliet, Plant Manager
Chemical Lime Company - Nelson Plant
P.O. Box 370
Peach Spring, AZ 86434

Dear Mr. Vliet:

Subject: Air Quality Control Permit No. 39904
Mine - Place ID: 5992

The Arizona Department of Environmental Quality has received payment of the fee requested. Enclosed is a minor permit revision for the referenced facility. In accordance with Arizona Revised Statutes, §49-430, this minor permit revision should be readily available at all times on the premises.

The minor permit revision remains in effect until the expiration of Air Quality Control Permit No. 1000045. Please continue to keep us informed of any changes that would affect your air pollution status during this period.

You are advised that this minor permit revision is a legally enforceable document. If your facility fails to comply with the provisions contained in this minor permit revision, you will be subject to enforcement action and could incur civil fines of up to ten thousand dollars per day under A.R.S. §49-463 and/or be subject to criminal penalties in accordance with A.R.S. §49-464.

If you have any questions, please contact the Permits Section of the Air Quality Division at (602) 771 - 2358.

Sincerely,

Nancy C. Wrona, Director
Air Quality Division

NCW: PKT

Enclosures:

ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY

Air Quality Division

1110 W. Washington Street® Phoenix, AZ 85007® Phone: (602) 771-2316

MINOR PERMIT REVISION TO AIR QUALITY CONTROL PERMIT

(As required by Title 49, Chapter 3, Article 2, Section 49-426, Arizona Revised Statutes)

This air quality control permit does not relieve applicant of responsibility for meeting all air pollution regulations

1. PERMIT TO BE ISSUED TO (Business license name of organization that is to receive permit) _____

Chemical Lime Company - Nelson Plant

2. NAME (OR NAMES) OF OWNER OR PRINCIPALS DOING BUSINESS AS THE ABOVE ORGANIZATION _____

Chemical Lime Plant

3. MAILING ADDRESS **P.O. Box 370**

Peach Spring, AZ 86434

4. ORIGINAL EQUIPMENT LOCATION/ADDRESS **2.5 miles south US 66 mile marker 112**


Nelson, Yavapai County, AZ 86434

5. FACILITIES OR EQUIPMENT DESCRIPTION **Solid Fuel Handling System**

6. THIS PERMIT ISSUED SUBJECT TO THE FOLLOWING **Conditions as described in attached**

7. ADEQ MINOR REVISION NUMBER **39904** PERMIT CLASS **I**

MINOR REVISION ISSUED THIS **11th** DAY OF **December**, **2006**


SIGNATURE

Nancy C. Wrona, Director, Air Quality Division
TITLE

MINOR PERMIT REVISION DESCRIPTION

This minor permit revision for Chemical Lime Company (CLC)-Nelson facility authorizes the company to use Solid Fuel Hopper and Weigh Belt 504 C for handling of coal. This will be in addition to handling of coke.

There are two streams for feeding solid fuel to Kilns. Presently, first stream comprising of Track Hopper, Feeders 504 A, B, Crusher 505, and Belt Conveyor 506 is being used for feeding either coal or coke. Second stream comprising of Solid Fuel Hopper and Weigh Belt 504 C is being used for handling coke only. Under this minor revision, CLC plan to use second stream for feeding coal as well. Under the new permitted process, Solid Fuel Hopper, the first equipment to which coal enters is comparable to Track Hopper. From Solid Fuel Hopper, coal goes to Weigh Belt 504 C. This belt is underground. Underground transfer points are assumed to have 100 percent control efficiency. The new permitted process for coal will thus have one less process unit (Crusher 505) and one less transfer point (track hopper to feeders 504 A, B). There will be no increase in emissions under the planned change. The proposed change meet all the gatekeepers for a minor permit revision as outlined in A.A.C. R 18-2-319 (A).

ATTACHMENT "B"

SPECIAL CONDITIONS

Addenda (Minor Revision) to Operating Permit No. 1000045

for

Chemical Lime Company - Nelson Plant

This minor permit revision #39904 issued to Chemical Lime Company permits the use of Solid Fuel Hopper and Weigh Belt 504 C for feeding coal to Kiln 1 and Kiln 2 in the Solid Fuel Handling system at the Nelson facility.

The following conditions shall be amended in the requirements set forth in Section V of Attachment "B" of Operating Permit No. 1000045:

Condition V.B and V.C of Attachment "B" shall be amended to read as:

V. SOLID FUEL HANDLING SYSTEM

B. Emission Limits/Standards

1. Opacity

- a. The opacity of any plume or effluent from any source affected under this Section, except Belt Conveyor 516, Solid Fuel Bin 517-2, Weigh Feeder 601-2, Ball Mill 602-2, Classifier 2-604, Solid Fuel Hopper, and Weigh Belt 504C shall not exceed 20%, as determined by EPA Reference Method 9 in 40 CFR 60, Appendix A. [A.A.C. R 18-2-702.B]
- b. At all times except during periods of startup, shutdown, and malfunction, the Permittee shall not cause to be discharged into the atmosphere from Belt Conveyor 516, Solid Fuel Bin 517-2, Weigh Feeder 601-2, Ball Mill 602-2, Classifier 2-604, Solid Fuel Hopper, and Weigh Belt 504C, gases which exhibit 20 percent opacity or greater. Compliance with the opacity standard shall be determined by conducting observation in accordance with EPA Reference Method 9 in 40 CFR § 60, Appendix A.

[40 CFR §60.252(c), §60.11 (b) and (c)]

C. Air Pollution Control Requirements

1. The Permittee shall operate the baghouse DC 527 for minimizing particulate emissions from the process sources associated with the baghouse.
2. The Permittee shall operate the water spray control, sealed control, enclosed control, underground control, or DC 527 control at process sources affected under this Section other than Belt conveyor 516, Solid Fuel Bin 517-2, Weigh Feeder 601-2, Ball Mill 602-2, Classifier 2-604, Solid Fuel Hopper, and Weigh Belt 504 C, as appropriately demonstrated in Figure E-2, E-3, and E-4, Attachment E of the Permit, for minimizing particulate emissions from the process sources. [A.A.C. R 18-2-306(A) (2)]
3. At all times including periods of startup, shutdown, and malfunction, the Permittee shall, to the extent practicable, maintain, and operate the sealed control, enclosed control, or DC 527 control at Belt Conveyor 516, Solid Fuel Bin 517-2, Weigh Feeder 601-2, Ball Mill 602-2, Classifier 2-604, Solid Fuel Hopper, and Weigh Belt 504C, as appropriately demonstrated in Figure E-2, E-3, and E-4, Attachment E of the Permit, in a manner consistent with good air pollution control practices for minimizing particulate emissions from the process sources. [40 CFR §60.11 (d)]

**ATTACHMENT "C"
EQUIPMENT LIST**

Addenda (Minor Permit Revision #39904) to Operating Permit No. 1000045 for

Chemical Lime Company-Nelson Facility

Table C-1: Process and Air Pollution Control Equipment Description

Requirements in Attachment C, Table C-1, Solid Fuel Handling System; Last Column, "Affected by" shall be changed for following two equipments:

Name/ Identification	Make	Model	S. No.	Date of Installation	Capacity	Affected By
Solid Fuel Hopper	ua	ua	ua	1973	ua	Subpart Y
Weigh Belt 504C	ua	ua	ua	2001	ua	Subpart Y

**ATTACHMENT "E"
PLANT SCHEMATICS**

Addenda (Minor Permit Revision #39904) to Operating Permit No. 1000045 for

Chemical Lime Company-Nelson Facility

Figure E-4 shall be replaced by the following figure E-4.

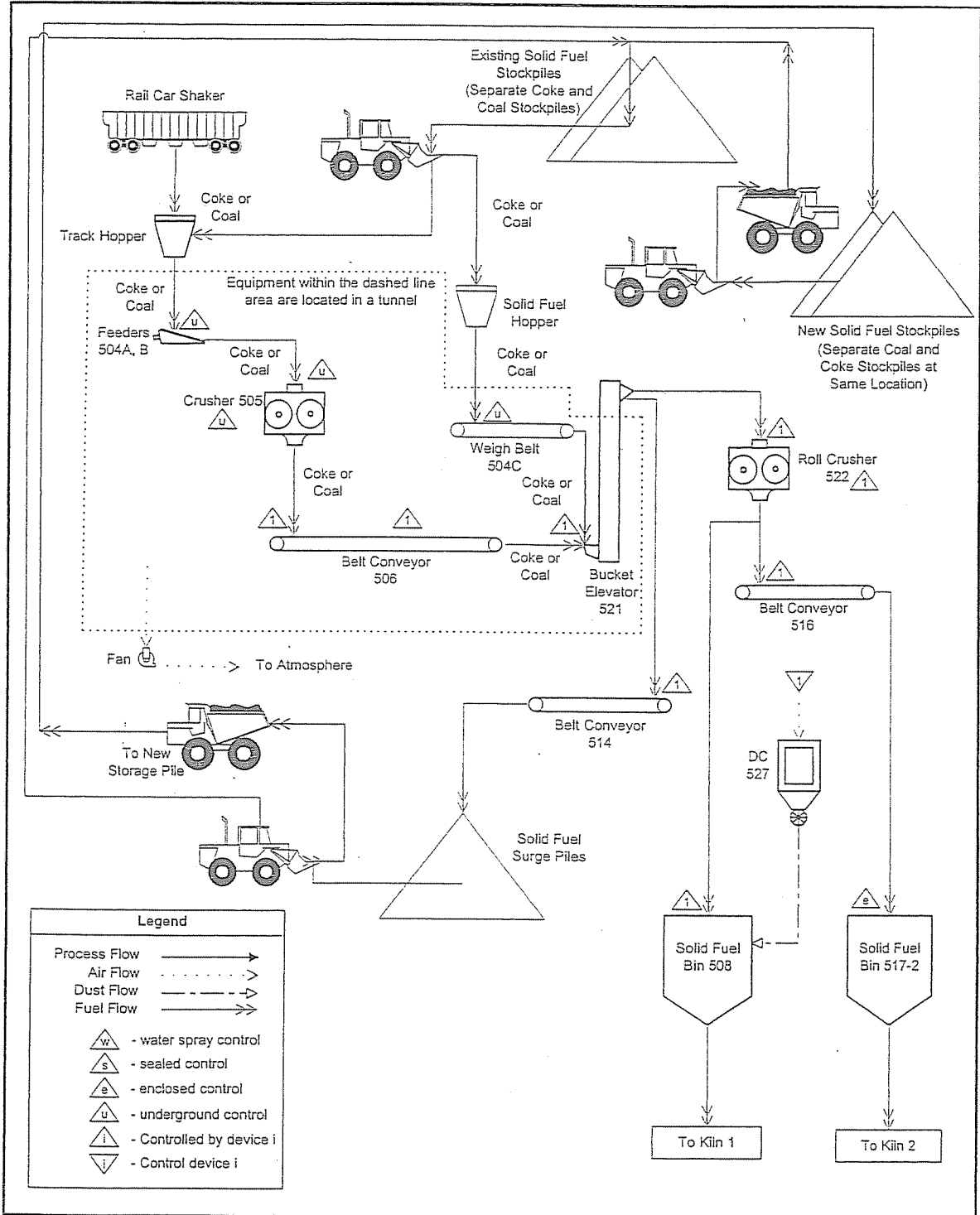


Figure E-4 Process Flow Diagram of the Solid Fuel Handling System.

