



Distribution: Apex Environmental Compliance Manual

Subject: Water Conservation Plan

1.0 SCOPE:

Nevada law (NRS 540.151) requires each supplier of water which supplies water for municipal, industrial or domestic purposes shall adopt a plan to provide incentives:

- (a) To encourage water conservation in its service area;
- (b) To retrofit existing structures with plumbing fixtures designed to conserve the use of water; and
- (c) For the installation of landscaping that uses a minimal amount of water.

This procedure is intended to address the requirements of the water conservation plan

2.0 RESPONSIBILITY:

- 4.1 Plant Chemist** – Takes samples of the Apex water system (PWS) to meet State and Federal requirements for water quality testing and reporting.
- 4.2 Environmental Manager** – Acts as certified water operator for the system, and as such must maintain Nevada Water Operator Certification, manages overall compliance of the system with State and Federal requirements and reporting.
- 4.3 Maintenance Manager**- Provides maintenance services to the wells and water distribution system, coordinates with contractors when required services for the wells are beyond the capabilities of Lhoist North America.
- 4.4 Quarry Manager**- Monitors operation of distribution system between holding tanks. Monitors use of water for dust control within quarry operations.

3.0 PROCEDURE:

3.1 System Description.

- 3.1.1 Lhoist North America Company operates a water system consisting of two wells, two water storage tanks and associated piping and distribution hardware.
- 3.1.2 The vast majority of water pumped is used for environmental dust control, as required by our operating permits.

3.2 Water Conservation -encourage water conservation in its service area.

- 3.2.1 Lhoist North America's use of water falls into several categories:
 - 3.2.1.1 Control of environmental dust. The most intense use of water in our operations is for the control of environmental dust. Our Air Quality Operating Permit requires that we

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minimize the generation of fugitive dust by the application of water to stone handling systems and to unpaved haul roads.

3.2.1.1.1 Water spray systems used for dust control on moving belts and stone crushing systems are operated at the minimum rate that insures that we meet permit required moisture contents.

3.2.1.1.2 Magnesium chloride is used as a dust palliative on unpaved haul roads to increase efficiency of water applied to the roads for dust control. Water trucks are operated on a continuous basis, and the drivers trained to apply water where needed, and to minimize over watering.

3.2.1.2 Processing plant-cooling equipment. All cooling systems are closed loop, and consume only water required for system maintenance.

3.2.1.3 Domestic uses, such as lunch rooms, restrooms, showers etc. are supplied through three point of entry arsenic treatment and reverse osmosis systems as prescribed by Nevada State Health authorities, and meet all current EPA drinking water standards, and are permitted as such.

3.2.2 Public Awareness- Lhoist North America promotes "public awareness" of our water conservations efforts by inclusion in our employee training in general environmental awareness.

3.3 Use of water conserving plumbing fixtures

3.3.1 Lhoist North America will require that all plumbing fixtures installed after the date of this procedure will be of water conserving design.

3.4 Landscaping

3.4.1 Lhoist North America Company has installed only natural landscaping, requiring no watering in addition to that provided by nature.

3.5 Evaluation of plan effectiveness

3.5.1 Lhoist North America will evaluate the effectiveness of our water conservation efforts by recording and analyzing water use on a monthly basis.

Water use by our plant will be evaluated and controlled to maintain water use within permitted limits and to drive for continued improvement in water use efficiency

4.0 TRAINING REQUIREMENTS:

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Any employee in charge of operating the installations within the scope of this plan have received documented training on the tasks pertaining to their responsibilities.

5.0 RECORDS:

.All records of water consumption required by the State of Nevada are maintained on the companies LAN/WAN and are subject to regular back-up.

6.0 REFERENCES: (Maintained on Site)

Public Water System I.D. – CL100012NT

Nevada Revised Statutes 540.131 through 540.151

7.0 TRACK OF MODIFICATIONS:

Revision 2 (3-15-14) is updated and produced on standardized LNA format

Removed references to Cemex

Added RO treatment for TDS

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