

ILLINOIS POLLUTION CONTROL BOARD
December 14, 1994

IN THE MATTER OF:)
)
PETITION OF KEYSTONE STEEL) AS 93-7
AND WIRE COMPANY FOR ADJUSTED) (Adjusted Standard)
STANDARD FROM HAZARDOUS WASTE)
FROM SPECIFIC SOURCES, 35 ILL.)
ADM. CODE 721.132)

SUPPLEMENTAL OPINION AND ORDER OF THE BOARD (by E. Dunham):

On October 24, 1994, Keystone Steel and Wire Company (Keystone) filed a "Motion for Modification". Keystone requests modification of the Board's March 17, 1994 order which granted Keystone a RCRA delisting adjusted standard for its facility in Bartonville, Illinois. Keystone is requesting that the adjusted standard be extended to include an additional site at the facility. On November 2, 1994, the Illinois Environmental Protection Agency (Agency) filed a response to the motion stating that it has no objection to the granting of the motion. On November 3, 1994, the Board issued an order requiring Keystone to supply additional information in support of its motion. Keystone filed additional information with the Board on November 21, 1994. On November 28, 1994, the Agency filed a response to Keystone's submittal of additional information, restating it has no objection to the modification.

Keystone seeks modification of the adjusted standard due to the discovery of additional contaminated soil during the construction phase of the remediation process. The newly discovered contaminated soil is located near the southeast corner of the planned staging pad area and is referred to as the "Staging Area Waste Pile". The contaminated soils in the new area are similar in color, texture, and total metal concentrations to the K-062 listed hazardous waste sediments included in the adjusted standard. The concentrations of cadmium, chromium, lead and zinc are also similar. Lead is the predominate contaminate in the waste and is comparable to the concentration of lead found at other sites. The concentration of the waste differs in the amount of slag, rubble, railroad ballast and native soils mixed within the K-062 sediments. Keystone maintains that the contaminated material can successfully be treated under the same treatment method and standards provided in the adjusted standard. The contaminated soil in the staging area is estimated to be approximately 2,560 cubic yards covering an area approximately 29,200 square feet.

In granting the adjusted standard delisting the waste, the Board found that Keystone demonstrated that the treated sediment does not exhibit the toxicity characteristic for which U.S. EPA listed K062 wastes and that there is no other reasonable basis that warrants retaining the treated sediment as RCRA hazardous

waste. (See 35 Ill. Adm. Code 720.122(a) and (d), 721.111(a)(3), 721.131, and 721.Appendix G.) Additionally, the Board found that Keystone demonstrated that the waste will be generated or managed in Illinois (35 Ill. Adm. Code 720.122(p)), and the adjusted standard was consistent with the federal RCRA program. (35 Ill. Adm. Code 720.122(q).)

The Board finds that Keystone has demonstrated that the newly discovered waste are from the same or similar source and of characteristics similar to the wastes that are included in the original adjusted standard so that the same treatment method will be effective to achieve the standards originally adopted and herein made applicable to the waste in the new area. Finally, the Board finds that requiring a new adjusted standard procedure for the newly discovered waste is not necessary and would hinder the remediation at the site.

The Board hereby grants Keystone's motion for modification and adds the newly discovered site to the adjusted standard. To avoid confusion, the Board will reproduce the entire adjusted standard order with the modifications in this supplemental opinion and order. The order adds the Staging Area to paragraph 1 of the adjusted standard.

This supplemental opinion constitutes the Board's supplemental findings of fact and conclusions of law in this matter.

ORDER

Pursuant to the authority of Section 28.1 of the Environmental Protection Act (415 ILCS 5/28.1 (1992)), the Board hereby grants a RCRA delisting adjusted standard to Keystone Wire and Steel for the treated sediment from its Bartonville facility. The adjusted standard as modified is effective on the date of this order and is subject to the following conditions:

1. Performance testing of the lime stabilization/Portland cement solidification process of the sediments located in the North Ditch, Mid-Mill Ditch, South Ditch-North Half, South Ditch-South Half, Surface Drainage Ditch, North Dredge Pile, South Dredge Pile, Lower South Ditch and the Staging Area: (Performance testing of the Retention Reservoir treatment project has already been documented.)

The alkalinity of the sediment will be tested in each treatment cell following the initial mixing of quicklime and Portland cement. A treatment cell shall be no larger than 100 cubic yards in volume. Treatment will be considered acceptable if the alkalinity is within the range of 130,000 mg/kg to 192,000 mg/kg.

Where the measured alkalinity is within the range of 115,000 mg/kg to 130,000 mg/kg or 192,000 mg/kg to 215,000 mg/kg, the sample also will be analyzed for TCLP lead. Sample where TCLP analysis is performed will be considered passing if the TCLP value for lead does not exceed 0.246 mg/l.

2. Verification testing of the tested sediments located in the Retention reservoir and all of the other waste management units. Verification testing will consist of sampling roll-off or other containers a minimum of 20 cubic yards in size ("containers") of the treated sediment during the removal of the sediments from the waste management units. The sampling frequency shall be as follows:
 - a) For Day 1 of treated sediment excavation and removal, every container will be sampled with a minimum of sixty (60) containers being sampled on Day 1, the Day 1 sampling frequency shall carry over into succeeding days until sixty (60) containers have been sampled. Each sample will be analyzed for alkalinity. Every third sample in addition will be analyzed for TCLP cadmium, chromium, lead and zinc.
 - b) After Day 1, but not before sixty (60) containers have been sampled, every tenth container will be sampled. Each sample will be analyzed for alkalinity. Every second sample in addition will be analyzed for TCLP cadmium, chromium, lead and zinc.
 - c) Samples where only alkalinity is measured will be considered passing if the alkalinity is within the range of 130,000 mg/kg to 192,000 mg/kg. Samples where only alkalinity is measured and where the alkalinity is within the range of 115,000 mg/kg to 130,000 mg/kg or 192,000 mg/kg to 215,000 mg/kg will then be subject to TCLP analysis for cadmium, chromium lead and zinc. Samples where TCLP analysis is performed will be considered passing if the TCLP values are less than the delisting values as follows:

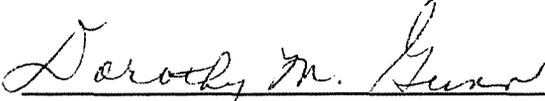
ANALYTE	TCLP LEVEL
Cadmium	0.082 mg/l
Chromium	1.64 mg/l
Lead	0.246 mg/l
Zinc	115 mg/l

- d) The sediments in all containers where the alkalinity lies outside the range of 115,000 mg/kg to 215,000 mg/kg, and the TCLP values exceed the levels given in item (c) will be retreated and resampled.
- e) Following Day 1, if any sample fails to meet the criteria outlined in (c), the subsequent sampling frequency for containers will revert to Day 1 sampling schedule.

IT IS SO ORDERED.

Section 41 of the Environmental Protection Act, (415 ILCS 5/41 (1992)), provides for appeal of final orders of the Board within 35 days of the date of service of this order. The Rules of the Supreme Court of Illinois establish filing requirements. (See also 35 Ill. Adm. Code 101.246, Motion for Reconsideration.)

I, Dorothy M. Gunn, Clerk of the Illinois Pollution Control Board, hereby certify that the above supplemental opinion and order was adopted on the 14th day of December, 1994, by a vote of 6-0.



Dorothy M. Gunn, Clerk
Illinois Pollution Control Board