

ILLINOIS POLLUTION CONTROL BOARD
June 22, 1978

IN THE MATTER OF:)
)
WATER POLLUTION CONTROL) R74-15, -16
AMENDMENTS: CYANIDE) CONSOLIDATED

ORDER OF THE BOARD (by Mr. Goodman):

The following Proposed Final Draft Order is an amendment to the original Proposed Final Draft Order which was published on November 23, 1977. The amended Proposed Final Draft Order in this matter shall be set for publication and public comment. A public comment period of 60 days from the date of this Order shall be allowed, during which time any written comment from any person shall be accepted at the office of the Clerk of the Board, pursuant to the Illinois Administrative Procedure Act and the Board's Procedural Rules. Ill. Rev. Stat., Ch. 127, §1005 (1977), as amended; Ill. PCB Regs., Ch. 1, §§103-105, 201-212 (1977). Publication pursuant to this Order shall include publication in the Illinois Register.

PROPOSED FINAL DRAFT ORDER

1. Rule 203(f) of Chapter 3: Water Pollution of the Pollution Control Board Rules and Regulations, insofar as it pertains to cyanide, shall be amended as follows:

Cyanide (<u>total</u>)	0720	0.025*
--------------------------	------	--------

*Based on a 24-hour composite sample with individual grab samples not to exceed 0.05 mg/l.

2. Rule 205 of Chapter 3: Water Pollution of the Pollution Control Board Rules and Regulations shall be amended by addition of a new subpart "(g)" as follows:

(g) Cyanide (total) shall not exceed 0.10 mg/l based on a 24-hour composite sample; an individual grab sample shall not exceed 0.20 mg/l.

3. Rule 206(c) of Chapter 3: Water Pollution of the Pollution Control Board Rules and Regulations, insofar as it sets specific water quality standards for certain chemical constituents, shall be amended by addition of a water quality standard for cyanide, as follows:

<u>Cyanide (total)</u>	<u>0720</u>	<u>0.025 mg/l</u>
------------------------	-------------	-------------------

4. Rule 408(a) of Chapter 3: Water Pollution of the Pollution Control Board Rules and Regulations, insofar as it pertains to cyanide, shall be amended as follows:

<u>Cyanide (total)</u>	<u>0720</u>	<u>0.025</u>	<u>0.10**</u>
------------------------	-------------	--------------	---------------

**Except for discharges from the Calumet Treatment Plant of the Metropolitan Sanitary District of Greater Chicago, which shall not exceed 0.15 mg/l. Compliance with cyanide effluent limitations shall be determined by 24-hour composite samples averaged over any monthly period; no single 24-hour composite sample shall exceed twice the numerical standard and no instantaneous (grab) sample shall exceed five times the numerical standard.

5. Rule 703 of Chapter 3: Water Pollution of the Pollution Control Board Rules and Regulations shall be amended as follows:

703. Cyanide (STORET number - 00720)

- (a) No waste to any public sewer system shall contain cyanide-in-excess-of-0.025-mg/l-any-time-except as-permitted-by-rule-703(b)- more than 10 mg/l total cyanide provided any sample tested shall not release more than 2 mg/l of cyanide when tested at a pH of 4.5 and at a temperature of 150°F for a period of 30 minutes, except as permitted by Rule 703(b).
- (b) Upon-application-by-a-county,-municipality,-sanitary-district-or-public-utility-and-approval-by-the-Agency-limited-amounts-of-cyanide-or cyanogen-compounds-may-be-permitted-to-be-discharged-to-a-county,-municipal-sanitary-district

~~or public utility's sewer works. Total cyanide shall not exceed 10 mg/l provided any sample tested shall not release more than 2 mg/l of cyanide when tested at a pH of 4.5 and at a temperature of 150°F. for a period of 30 minutes. Such discharges shall be permitted only when the Agency has determined that no violation of the effluent criteria of this Chapter will result from such discharge.~~

Upon application by a county, municipality, sanitary district or public utility and approval by the Agency, upon determination by the Agency that no violation of the effluent criteria of this Chapter will result and that no hazard to workers in such sewage works will result, limited additional amounts of cyanide exceeding the standards in part (a) of this Rule 703 may be discharged to the sewage works of such county, sanitary district, municipality or public utility.

- (c) Nothing in this Rule 703 shall be construed as limiting the authority of any county, municipality, sanitary district or public utility to impose any more stringent standards or limitations on cyanide discharges to its sewage works.

I, Christan L. Moffett, Clerk of the Illinois Pollution Control Board, hereby certify the above Proposed Final Draft Order was adopted on the 22ND day of June, 1978 by a vote of 5-0.

Christan L. Moffett
Christan L. Moffett, Clerk
Illinois Pollution Control Board