

Basis for Human Exposures Controlled Determination

RCRIS Code CA725

at

CYRO Industries Facility

EPA ID No. MED040249096

Route 109 Sanford, ME

RCRA RECORDS CENTER
FACILITY CYRO Ind.
I.D. NO. MED 040249096
FILE LOC. R-13
OTHER _____

The purpose of this report is to provide the basis for determining that the CYRO Industries Facility can be recorded with the status code of ~~VE~~ under the RCRIS Event Code of CA725-- Human Exposures Controlled.

Based on the information available/reviewed, and subject to the limitations cited below, there are no current unacceptable risks to humans due to releases at the Facility. This determination is based on the conclusions described in number 1 below and supplemented by additional facts in number 2 and 3 below and the references listed in number 4 below.

1. CONCLUSION

There is no unacceptable human exposure to any contaminant concentration above action levels that has been detected ~~or~~ is reasonably suspected based on current contaminant concentrations and current site conditions.

2. RELEASE SUMMARY

- Soil: Compounds of potential concern are all poly-aromatic hydrocarbons (PAHs); benzo(a)anthracene, benzo(a)pyrene, benzo(b)flouranthene, benzo(g,h,i)perylene, benzo(k)flouranthene, chrysene, flouranthene, indeno(1,2,3-cd)pyrene, phenanthrene, and pyrene.
- Groundwater: Compounds of potential concern are bis(2-ethylhexyl)phthalate, chloroform, tetrachloroethane, and 1,1,1-trichloroethane, and trichloroethene.

3. RELEVANT CONDITIONS & ASSUMPTIONS

- Contaminated site soils have been removed as a result of three soil excavation interim measures. Soils remaining contain less than 1 ppm PAHs.
- Groundwater contamination is decreasing over time. No exceedances of MCLs have been observed in the last two rounds of groundwater sampling. The area of historical contamination is contained entirely within the facility property.
- There are no users of contaminated groundwater. A public supply well is located 2400 feet downgradient of the site. A set of monitoring wells 500 feet downgradient of the area of contamination and 1900 feet upgradient of the public supply well have never shown contamination. Continued sampling of the set of the facility's monitoring wells downgradient of the area of groundwater contamination until groundwater remediation is achieved is needed to maintain control of human exposures. Any increases in concentrations at these wells may trigger need for an increased monitoring network, or other control to maintain control of potential human exposure to groundwater contamination.

4. REFERENCES

- A. Phase I Interim RCRA Facility Investigation Report CYRO Industries, Inc., December, 1992.
- B. December 1995 Monthly Progress Report, CYRO Industries, Inc., January, 1996.
- C. May 1996 Monthly Progress Report, CYRO Industries, Inc., June, 1996.

4. SIGN OFF

Prepared by E = W = Date 9/5/96
Ernest Waterman, RFM

Approved by Bryan Olson Date 9/5/96
Bryan Olson, Acting Chief
RCRA Corrective Action Section