

COLORADO STATE DEPARTMENT OF PUBLIC HEALTH
 Division of Sanitation
 Industrial Wastes Inventory

DATE: November 22, 1966

COUNTY: Boulder

Company Name & Address General Chemical Division, Allied Chemical Corporation

P.O. Box 228 Boulder, Colorado

Company Representatives Mr. Glenn E. Allen, Superintendent

Type of Industry Fluorspar flotation mill

Products Fluorspar Concentrate CaF₂

Raw Materials & Chemicals Crude ores 100 nt./day, Soda Ash 1200#/day, Fatty acids 400#/day
 (Amount per day or month)
Sodium Silicate 350#/day.

Plant Operation (hrs./day - days/wk. - mos./yr.) 24 hrs./day 7days/Wk. 12 mos./yr.

No. of Employees 12 - 15

<u>Water Supply</u>	<u>Source</u>	<u>Av. gpd</u>	<u>Max. gpd</u>	<u>Treatment</u>
Drinking	<u>Well</u>	<u>100</u>		<u>none</u>
Process	<u>Irrigation ditch</u>	<u>97,000</u>		<u>None</u>
Cooling				

Quantity of Liquid Plant Wastes Discharged 97,000 Gal./day

Treatment & Disposition of Liquid Plant Wastes Solids are settled in two settling ponds.

Treatment & Disposition of Sanitary Sewage Septic tank

<u>Solid Wastes</u>	<u>Quantity</u>	<u>Disposition</u>
<u>Mill tailings</u>	<u>50 to 70nt/day</u>	<u>Retained in settling ponds</u>

Waste Process Streams:

Name of Process or Operation Flotation plant tailings
Rate of Flow of Waste Stream Approx. 97,000 Gal. per day
Strength (BOD, solids, toxic materials, etc.-ppm) After Settling - Ammonia
(NH3) 0.35 ppm, Iron (Fe) 1.0 ppm, Manganese (Mn) 0.20 ppm, Alkalinity, total
140 ppm, ABS 0.01 ppm, Chloride (Cl) 17 ppm, Fluoride (F) 60. ppm, Sulfate (SO
365 ppm, Total solids 813 ppm
Amount of BOD, solids, etc. per unit processed & per day _____

Treatment & Disposition of Waste Stream Tailings are settled in two retention
ponds, clear water is pumped to Public Service Co. ponds.

Name of Process or Operation _____
Rate of Flow of Waste Stream _____
Strength (BOD, solids, toxic materials, etc.-ppm) _____
Amount of BOD, solids, etc. per unit processed & per day _____

Treatment & Disposition of Waste Stream _____