

SUBJECT REMOVAL OF CARBORUNDUM FROM GLASS
CUT ON WATER WHEEL

All glass tubing (up to 1-1/4" dia) cut on the water wheel is to be cleaned according to the following procedure before use. Glass so cut and cleaned may be stored for a period not to exceed one month. If stored longer than one month, the glass should be cleaned again before use.

I. PROCEDURE: To be performed by the Chemical Section

1. Allow glass to stand in a 5%(by weight) solution of ammonium bifluoride (NH₄F.HF) for 2 min. at room temperature. Agitate parts if necessary. Nichrome or Wax lined steel or glass may be used as a container for the bifluoride. A Nichrome basket should be used as a container for small glass parts.

NOTES: The life of the bath is uncertain, but 400 sq. inches of glass surface has been effectively cleaned with 500 cc of solution. It is suggested that this be used as a guide until more reliable data can be obtained.

2. Rinse parts thoroughly for 2 - 3 mins. in running tap water.
3. Rinse parts in acetone and dry (high pressure air or infrared)

DANGER

HYDROFLUORIC ACID HANDLING PRECAUTIONS: See S.N. 33-2-7A.

** AMMONIUM BIFLUORIDE HANDLING PRECAUTIONS: See S.N. 33-2-7C.

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