

# International Cooperation on Treatment of Wastewater of A Dye Manufacturer HCY in China

## I. Background

Located in Hubei Province, China, HCY is a large dye and dye intermediates manufacturer, which has been keeping steady business growth for years. As a dye company HCY is always committed to promoting environment-friendly development and pollution-control operation. In recent years Chinese government and environment protection agency have launched more environment protection regulations and implemented tighter emission criteria on industrial wastewater discharge. Currently HCY is seeking for an international technology partner to collaborate on the management and treatment of its dye manufacture associated wastewater, which has been a big challenge for HCY to meet national standards on wastewater discharge.

## II. Some Key Facts of Dye Wastewater Treatment Project

1. Goal: To find a solution including implementing chemical procedures and installing new facilities etc to reduce COD, salt content, ammonia, pH, and Chroma in the wastewater
2. Wastewater type: spent liquor (mother solution) of T acid, H acid, condensation, G salt, G Acid, and  $\beta$ -salt.
3. Major compositions of the wastewater: ammonium salts, potassium salts, sodium salts, mirabilite and organic compounds.
4. Wastewater discharge rate: more than 1,000 tons/ day

## III. Collaboration

A contract will be signed between HCY and its partner after initial communication. Any potential partner is welcome to contact Dr. Shaoyu Zhou for more information. The potential partner needs to provide its general and key technology background, including successful case if there is any.

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