

Subject: Clarification on Corrosion Protection, Coating Thickness & Painting Requirements for Hydraulic Steel Structures and Equipment

1. Clarification on Metallic Coating (Section 2.1.17.3)

Clause 2.1.17.3 Metallic Coating (Hot Dip Galvanizing) does not clearly specify which equipment or components shall be applied with hot dip galvanizing or zinc metal spraying.

Clause 2.2.8 Surface Preparation & Painting does not specify the required coating thicknesses (dry film thickness) for any components.

We therefore request the following clarifications:

2. Corrosion Protection for Gate Leaves and Trash Rack Leaves.

Please confirm the corrosion protection scheme for gate leaves (including trash rack leaves):

- (1) Shall zinc metal spraying be adopted for corrosion protection?
- (2) Shall the thickness of zinc spray be not less than 0.060 mm?
- (3) Shall paint systems be applied over the zinc-sprayed surface?
- (4) If yes, how many paint coats are required, and what is the specified dry film thickness (DFT) for each coat?

3. Paint Coating Thickness Requirements

Please clarify the required total dry film thickness and layer-by-layer DFT for paint coatings on the following items:

- (1) Gate recesses (trash rack recesses)
- (2) Mobile gantry crane and trash rack cleaning crane
- (3) Hydraulic hoist cylinders