

# COATINGS MANUAL

## HRSD

### 1.0 THE COATINGS PROGRAM OBJECTIVE

The users of this manual shall conduct the Coating Program in accordance with the procedures and guidelines included herein.

The objectives of the Coatings Manual are as follows:

- Improve the quality of protective coating and lining work to maximize the cost effectiveness of coatings projects.
- Protect and maintain the physical properties and structural and mechanical integrity of structures and equipment by using properly selected and applied protective coating and lining materials.
- Optimize life cycle cost of protective coatings.
- Prevent premature structural deterioration and failure of structures and equipment via the proper selection and application of the correct coatings and linings materials.
- Prevent premature failure of protective coatings through the proper selection, specification and inspection of coatings work.

The Coatings Program provides the following benefits:

- a.) Reliability – The Coatings Program increases plant reliability by reducing the downtime of structures and equipment due to structural deterioration and failure.
- b.) Appearance – The Coatings Program improves the general appearance and appeal of the facilities by maintaining structures and equipment in good visual order.
- c.) Management – The Coatings Program provides convenient reference information and recommendations for the management of coating protection work.
- d.) Records – The Coatings Program provides records containing coating protection history of structures and equipment.
- e.) Knowledge – The Coatings Program provides information to personnel to enhance their knowledge of coatings and linings material selection, proper application methods, and quality control procedures.
- f.) Safety – The Coatings Program promotes plant safety by familiarizing personnel with safety hazards.

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- g.) Costs – The Coatings Program reduces costs by reducing the deterioration and subsequent repair of structures and equipment, and by extending the time interval between successive application and maintenance of coatings and linings.
  
- h.) Standardization – The Coatings Program provides a standard approach to corrosion protection throughout the facilities that ensures proper coatings selection and fosters cost savings.