



**Performance of Hot Dip Galvanized Coatings**

**at**

**East Weipa Mine**

**- Dump Station -**



**CONDUCTED BY: INDUSTRIAL GALVANIZERS**



Weipa Dump Station Conveyors

Hot Dip Galvanized and Duplex Coated in some areas.



Duplex Coated steel damaged during breakdown repairs.

Note: HDG substrate still in tact protecting underlying steel from corrosion.



East Weipa Mine site – Heavy Vehicle Workshop

Erected in 1991

Coating thickness ranged from  $107\mu\text{m}$  to  $350\mu\text{m}$ ,

Well in excess of AS1650 requirement of  $84\mu\text{m}$ .





Weipa Dump Station

Duplex Coating – Hot Dip Galvanized with H.B. Epoxy top coat.

Coating thickness ranged from  $250\mu m$  to  $300\mu m$ .



Weipa Dump Station

Hot Dip Galvanized columns and beams.

Coating thickness ranged from  $114\mu m$  to  $280\mu m$ .