



PAGE : 1 OF 1
DATE : 27/8/90
REVISION : New
DISTRIBUTION : VOLUME 1 HOLDERS
PREPARED BY : G. MCKINNON
AUTHORISED BY : BRIAN KENT

**STANDARDS BRANCH
— Power Division**

STANDARDS BULLETIN No. : S1-037

SUBJECT: **LINE POLE CORROSION PROTECTION**

PAWA has until now made a practice of applying protective coatings to all line poles prior to placement in the field.

After extensive investigation of this practice there has been little evidence to suggest that this improves the longevity of the poles, particularly as they are encased in concrete full depth in ground. Of the poles that were inspected, only direct buried poles displayed significant corrosion at ground level, and this type of pole placement has been discontinued.

In future poles will not require corrosion protection currently undertaken.

Once the pole is placed, the top of the concrete foundation is to have a batter sufficient to allow any water to flow away from the pole base at ground level. Concrete is also to be placed within the confines of the pole base up to the top of the Ground Level gussets and trowelled flat. Drawing S1-2-5-4 depicts the concrete batter requirement at Ground Level.

The only exception to the above will be those poles located in corrosive environments as determined by the Project Supervisor. In these cases, corrosion protection will be undertaken prior to the pole(s) being transported to site and will require the painting of all surfaces of the pole 450 mm above and below the Ground Level gusset plates, being either:-

- two (2) coats of rust stabilizing primer paint OR
- one (1) coat of a two pack epoxy resin.

Amended pole drawings S1-1-1-2 and S1-1-1-3 no longer have any reference to corrosion protection.

**BRIAN KENT
STANDARDS MANAGER POWER**