

# POWELL ELECTRICAL MFG. CO.

## SERVICE ADVISORY

**SA# 003**

Date: 2/21/97

To: Users of ITI CPT's, Models CPT5-95-25-XXX & CPT5-95-37.5-XXX

From: Dennis R. Thonsgard  
Manager Powell Apparatus Service Division

Subject: ITI CPT high partial discharge.

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Our supplier of 15kV control power transformers has informed us of a possible problem with two models. The models are 25 & 37.5 kVA ratings with 13.2kV through 14.4kV primary windings. This notice is prompted by the discovery that a partial discharge condition may exist on some models. The condition, if present, may cause unacceptable levels of corona that would lead to early failure of the CPT. Experience with this model has led us to believe that the presence of this condition would cause visible signs of dielectric degradation within the first months of energization.

We advise visual inspection of these units as soon as possible. If any tracking is discovered the vicinity of the high voltage taps or high voltage terminals, contact us immediately.

The construction design of these models led to difficulties in reducing and controlling partial discharge. Due to this difficulty, these models have been superseded by a new "partial discharge free" model. The new design is not a direct physical replacement, but will fit in most existing CPT mounting locations.

Our records indicate that the equipment on the attached list, contains one or more of the suspect control power transformers. Please respond with your acknowledgment of receipt of this notice. Feel free to contact me if you have any further questions.