

A GUIDE TO  
POWERING R.C.A. 50 S/W SENDERS  
(S.82-S.86)  
AT O.S.E. 10

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Assuming that transmitter is dead and safety lights on:-

- (1) Check that any work on apparatus is finished and that personnel are out of enclosures. Remove any earth wands (1 in R.F. Enclosure, 2 in Mod. Enclosure and 3 in Transformer Enclosure), and after locking up Mod. Enclosure and Transformer Enclosure, make the 11 KV O.C.B. Also, make the (Red) Cooling Supply Isolator, Auxiliary Supply Switch, and, if broken, the 2.3 KV O.C.B. It is assumed that supplies to P.I.E. ~~and F.S.C.U.~~ are made.
- (2) Check that components, coil taps, settings etc., are correct for the particular transmission. Also that correct aerial has been selected and F/A output coupling run to minimum. Check that Output Line Tune has been set at maximum. Set Tuning Indicator supply to 5 on meter.
- (3) Make "Start" switch and check that water-flows are normal, also that all valve filaments are alight and that the appropriate indicator lamps are lit. Also inspect for water leaks.  
*CLOSE FEEDER ISOLATING SWITCH.*
- (4) If drive has been fed from Control Room and settings, etc., are correct, grid current should be apparent on 1st stage Ig meter.
- (5) Close R.F. Channel door, R.F. Exciter door, and put Earthing Switch (referred to as "X Bolt") to "Earth off" position.

