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- (1) Testing of the power supply subsystems (e.g. RTG, DC-DC converter) either individually or collectively.
- (2) Testing of the power supply system either as a whole or with one or more subsystems simulated.
- (3) Calibration of the telemetry unit.
- (4) Monitoring of power supply system performance.

Consisting of four racks of equipment integrated to form a single unit, the GSTC is mounted on casters for limited mobility. The console is designed for indoor use in a protected area, such as a launch complex assembly building or an industrial environment. Current Viking requirements do not dictate a need for the GSTC. However, if required, the GSTC would require minor modifications to be useful in monitoring the RTG's and system qualification and acceptance tests.

2. Power Supply Rack

The caster-mounted power supply rack is smaller and more mobile than the GSTC and provides a convenient method of supplying power to electrically heated generators (ETG's). The rack is used when ETG's are tested individually. To use the power supply rack, the power supply panel (A15, A16, or A21) and the heater power supply control panel (A7) are removed from the GSTC and installed in the rack, as illustrated in Fig. V-34.

3. Fuel Capsule Shipping Cask

The fuel capsule shipping cask is used to transport the heat source from the Monsanto Research Laboratory fueling facility in Miamisburg, Ohio, to the Isotopes, Inc., plant in Middle River, Maryland. The cask ensures

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