

## Technician Duties

### Daily logs

- Complete daily log once/day for the MATE data and twice/day for the generator (start, stop).
- Also - complete log if any action is taken as a result of the alarm.
- Follow actions on Battery Charging Sheet and note any actions on log.
- Log all errors and warnings when occur.

### Monthly logs

- Complete monthly log at the end of each month.
- Check the Batteries:
  - Be sure the tops are clean and dry.
  - Check fluid level.
  - Add distilled water if necessary but do not overfill.

### Solar panels

- Inspect the panels weekly.
- Clean the solar panels when required to keep dust off.
- Be sure that there is nothing shading the panels.

### Alarms

- The Horn and Light come on at 47.2V.
- The Horn can be silenced for up to 6 hours, by the timer on the side of the AC cabinet.
- Once the Horn/Light alarm is triggered, it will not turn off until the batteries reach 53V, through charging. This charging can be by the sun or by a generator.

### Battery equalization

- Equalize the batteries each quarter, in the last week of March, June, September and December.
- Before equalization, all battery plates must be covered. The specific gravity of each cell must be measured and recorded before and after the equalization charge.
- The generator will need to be started, and the batteries will need to be topped off when finished, with distilled water.
- Technician must be present during equalization charge and monitor battery temperature, measure and record specific gravity, and add water as necessary. System must not be unattended during this charge.

### Generator