

The SSEPO Trailer Project

By Rich Lee M.D., SSEPO Medical Director

For years, South Skyline Emergency Preparedness Organization (SSEPO) has maintained a disaster supply container at the MROSD Skyline Ranger office and we have had several disaster drills using equipment from that container. However, we've always been concerned about the size of the South Skyline area and that the same arrangement of medical disaster supplies may be required in large quantities at another location miles away. The ideal solution for this would be some form of medical response/disaster supply trailer and the opportunity finally presented itself.

Last year, we were very lucky to have Pat O'Coffey discover that the American Red Cross was giving away small supply trailers from the Oakland facility and she was able to pick one of these up. Our goal was to have something that could house and support a team 2-4 CERT members providing disaster medical treatment, communications and logistics support for both victims and other CERT team members. Ideally, this trailer would be self sufficient with respect to providing both medical treatment and potentially housing to team members for at least 3 days.

To accomplish this, I outfitted the trailer with multiple shelves and storage containers along with steel countertops and a small sink with both a manual pump faucet and pressurized filtered water faucet. Under these is a 21-gallon water tank with a 12-volt pressure pump and massive water filter. There is also an external faucet for pressurized water supply. For both patient care and sleeping there is an adjustable cot as well as a pull-down bunk bed. Other furnishings include a communications desk outfitted with Ham/GMRS radio, and a separate fold-down table for logistics or propane stove platform. There are also several lighted whiteboards.

The trailer carries a 10'x10' shade canopy, 3'x3' bathroom/shower tent and 13'x9' cabin tent for additional shelter/treatment areas along with extra folding chairs, tables and cots. There is also a 2-burner propane stove, propane heater and lantern as well as extra blankets, pillows and sleeping bag. Extra propane and gasoline are stored in a secure box mounted on the frame behind the hitch

Electrical power is provided by a 100-watt solar panel, external house current or a 2000-watt Honda generator. Energy storage is by way of a 100-amp hour AGM battery that is charged from either the solar panel or the generator and supplies circuits for all 12 V equipment as well as a 2000-watt inverter. There are multiple 110 V output outlets that are supplied by either the inverter for the generator as well as numerous 12 volt and USB outlets, both inside and outside the trailer. Inside are multiple switched LED ceiling and task lights

Medical supplies include:

- Backboards, spine boards and stretchers for patient transport.
- A full CERT kit with Hazmat suit/respirator and extra gloves & Masks.
- Manual and electronic monitoring for vital signs including oxygen level.
- Airways, suction, intubation and tracheostomy equipment plus portable oxygen.
- Dressings, bandages, Quick Clot and tourniquets for bleeding and burns.
- Splinting and Casting supplies for orthopedic injuries.
- Solutions and supplies for intravenous hydration and wound irrigation.
- Medications for most emergency/trauma situations.
- Additional medications for victims who may have lost theirs

All of the above have been included in "Phase-1" of the trailer project. Phase-2 will include doubling the solar power & battery capacity as well as extra heating, cooling and ventilation. All of this has been made possible through 501C donations to SSEPO.



SSEPO Trailer & Canopy



SSEPO Trailer Interior