



# FACT SHEET

## Mobile Shelter Units (MSU)

### Project Overview

Oregon CSEPP is pioneering a new concept in keeping kids safe in the event of a chemical emergency. Eight Mobile Shelter Units (MSUs) have been installed at county and state sponsored Head Start facilities as well as two MSUs at the Morrow Education Center in Irrigon.

Each MSU is a 14 x 66' modular building that has been modified to include a specialized carbon air filtration system. These buildings are Emergency Shelters, and provide a safe place for students and staff in the event of an emergency at the Umatilla Chemical Depot.

The MSUs are in addition to the Over Pressurization Systems that have already been installed in fifteen area schools, Good Shepherd Hospital, Good Samaritan Center, the Hermiston Safety Center, the Hermiston Incident Command Post, Good Shephard Day Care, Hermiston Child Development Council Day Care, the Irrigon County Annex and Fire Station, and Oregon Department of Transportation Scale House at Umatilla.

### Mobile Shelter Units

#### **Locations**

Oregon Child Development Council (OCDC), Hermiston (4)  
Highland Center Head Start, Hermiston  
Hermiston Center Head Start, Hermiston

Pine Tree Center Head Start, Umatilla  
Umatilla Center / WIC Head Start, Umatilla  
Morrow Education Center, Irrigon (2)

#### **Specifications**

Cost:	Approx. \$140,000 per MSU	External Size:	14' x 66'
Interior space:	752 square feet	Capacity:	40 adults or up to 60 children and infants
Bathrooms:	Two	Doors:	Three
Expandability:	Designed to connect multiple units side by side	Food Preparation Area	

Design Overpressure:	0.2 Indicated Water Gauge
Type of Filter:	M94 round carbon filter w/ HEPA 200 cubic feet per minute (CFM)
Total airflow:	600-800 CFM as required for pressurization
Power Required:	110VAC-200A Service
Generator:	40 KW Diesel fired generator
Fuel duration:	16 Hours minimum
Heating/Air Cond:	Recirculating Carrier 5-ton Heat Pump sized for 100% outside air loads - 2,000 CFM

#### **Design / Construction Team**

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