

What is the Reactor Head?

The Reactor Head is the removable upper cover of the Reactor Pressure Vessel. Removal of the cover facilitated refueling when the Zion Station was operating. The Reactor Head is approximately 17 feet in diameter and weighs 225,000 lbs.



RPV Head

When and where will it be shipped?

The Reactor Head shipment is scheduled to begin December 1, 2011. The shipment will travel by truck from the Zion Station to EnergySolutions' licensed low-level radioactive waste disposal facility in Clive, Utah.

Will I be exposed to radiation from this shipment?

No. A person watching the shipment pass on the roadway would not receive any measurable radiation exposure. The shipment meets all Department of Transportation and Nuclear Regulatory shipping regulations and is similar to previous shipments of large pieces of equipment from other nuclear power plants.

How is the Reactor Head packaged?

The Reactor Head is packaged in a unique, specially designed strong, tight shipping container made of steel. The container is approximately 17 feet in diameter and 14 feet tall.



RPV Head Container

How will it be transported?

The transporter is an 18-axle tractor/trailer combination rig that is widely used throughout the United States and Canada for superload transport. In addition to the transporter, a push tractor will be used as necessary to assist in ascending hills. This highly maneuverable transporter will safely and effectively move the Reactor Head while easily meeting the permit requirements for axle loading allowances of each state along the route. The transporter is equipped with satellite tracking equipment and can provide daily position updates. The trip from Zion to Utah will take approximately 2-3 weeks depending on weather.



RPV Head Transporter