



Highway Heavy Haul

Out with the Old, in with the New

Perkins Performs First of Many Radioactive Shipments

The first of many radiologically contaminated shipments was successfully executed after months of planning, training and coordination.

The project at a WI nuclear power plant first required delivery of the new Reactor Head/Control Rod Drive Assembly. Under contract to the manufacturer of the new head assembly, Perkins delivered the 107-ton assembly from shipside in Houston to plant site in WI (upper right).

During the plant outage, the contractor removed the old head and replaced it with the new. Shortly thereafter, Perkins accepted the old reactor head/CRD assembly and shielding on the shores of Lake Michigan (right). Seven days later our first radioactive shipment was delivered to Clive, UT, some 1900+ routed miles from origin (page 2).



Pictured above:
Unloading of the new
Reactor Head/Control
Rod Drive Assembly in
Wisconsin



Pictured left: Loaded
old Reactor
Head/Control Rod
Drive Assembly on the
banks of Lake Michigan

Perkins Specialized Transportation Contracting

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Below: The 24 axle rig (named “C.D. Perkins” for the company founder) rounds a turn into the customer’s nuclear facility at Clive, Utah with the radiologically contaminated cargo—7 states at 18’ wide, grossing *over 450,000 pounds GVW* with plenty of Federal and State scrutiny—safely delivered by Perkins without incident.

Though hauling the old head assembly required only seven actual days, literally **ten months** of detailed effort preceded the work. Extensive coordination with the disposal contractor, plant personnel, Federal agencies including **DOE, DOT, NRC, Homeland Security** and each of the seven states through which the radioactive / contaminated load would pass on public highways.



An industry **HAZMAT** consultant trained Perkins’ drivers and management staff to the requirements of **49 CFR 107**. An extensive effort was required to develop both a comprehensive **Transportation Security Plan** and a **Risk Management Plan** for federal approval. Compliance on both was audited and special insurance requirements invoked.

Perkins Specialized Transportation Contracting is one of few firms in the US that is both licensed to haul radiological cargo and equipped to move such large, heavy components.

When your cargo is “**Hot and Heavy**”, Perkins is the team...*when execution matters most.*