Kewaunee Steam Generator Replacement

Client: Ansaldo Nuclear Department

POWER 16

Fagioli PSC were employed to transport two steam generators from Ansaldo Nuclear Department, Milan up to Kewaunee NGS (Nuclear Generating Station), Wisconsin, USA. Each generator was 15 metres long with a maximum diametre of 4.5 metres and weighed 245,000 kg

The steam generators were loaded in Ansaldo Energia workshop onto a 22 axle line modular trailer and then transported from Ansaldo Energia workshop to the river port of Cremona. At the port of Cremona the steam generators were unloaded hydraulically onto a temporary support. The steam generators were then reloaded using a combination of 10 axles lines SPMT with better manoeuvrability during the ro-ro operations and providing small overall dimensions.

The steam generators were then rolled onto the barge 'Ticino' and transported on the river Po from Cremona to Porto Marghera.

In Porto Marghera the steam generators were transferred from the river barge onto the heavy lift vessel "Storm" with heavy lift gears. The vessel left Porto Marghera and sailed via Gibraltar to Montreal. At the port of Montreal the vessel stopped for the inspection related to the Great Lakes transit permits. The vessel shipped the steam generators via St. Lawrence Seaway and transited through Lake Michigan to Kewaunee. The vessel berthed at the port of Kewaunee and was safely moored to quay bollards.

Finally the steam generators were transported by road (10 miles) up to Kewanee NGS site by means of 14 axle SPMT's.

Above: Steam generators were transported from ANSALDO ENERGIA workshop to the fluvial port of Cremona.

Above: The heavy lift vessel 'Storm'berthed at the port of Kewaunee where the steam generators were lifted out with heavy lift gears onto a 14 axle SPMT.