

Fiddlers Ferry Power Station

Client: SSE
Location: Fiddlers Ferry
Start Date: 2009 - 2014

Outline Scope:

The complete replacement of the main steam and hot re-heat pipework between the Super heater and re-heater outlets to the turbine termination points on units 1,2,3 and 4.



Client Overview

Fiddlers Ferry power station commenced a program of replacing the aged CMV pipe work that fed Steam to the Turbine from the super heater and re-heater. PJD Planned and completed the task acting as principal contractor under CDM regulations

Project Scope

In 2009 PJD commenced the partial renewal of the Main Steam pipe work on unit 1. This course of action continued in 2010 on unit 4 and also unit 3 HP & IP Loops

In 2011 SSE instructed PJD to replace all remaining Hot Reheat and HP & IP Turbine Loop Pipe work systems on all four units with work completed a full 12 months ahead of the original programme which was October 2014. SSE (the client) provided free issue new CMV large bore material.

PJD provided detailed lift plans, risk assessments and method statements which were developed for each area of the individual boilers and individual turbine areas.

PJD procurement and subcontract team arranged for the induction bending of all bends required for each unit. Specialist Machining and heat treatment companies were also engaged to assist with the replacement.

The pipe work renewals were carried out in conjunction with planned statutory outages involving header changes and major boiler and turbine works. PJD planned all of the works and completed all of the tasks within the outage timescales as required by SSE.

Total welds per unit x4 units

In 2009 PJD com



	Butt Welds	Trunnion Support	Inline Items	Main stop valve Butt Welds
Main Steam	64	16	32	8
Hot Reheat	60	12	26	
HP Loope Pipw	34		8	
IP Loop Pipe	42		12	
TOTAL	190	28	72	8

Key Performance Indicators

Hours worked on project with PJD as principal contractor 2009-2014: 1,492,106

Weld Repair Rate: 0.7%