

1 Q. Explain chemical cleaning and advise why it had to be done in 2006.

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4 A. Chemical cleaning is a process to remove deposits from the insides of boiler
5 waterwall tubes. To remove this material, a controlled volume of chemical is
6 added to the boiler to dissolve and remove the deposits, followed by a
7 passivation stage to protect the newly cleaned and exposed metal from
8 corrosion. The chemicals required for the cleaning are determined by
9 elemental analysis of the tube deposits. This process has to be completed
10 following any major waterwall tube replacement as well as routine work
11 following any 8 - 10 year operating cycle as per EPRI guidelines.

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13 This work was completed in 2006 following the replacement of a significant
14 number of waterwall sections.