

Chemistry - PI 24

CHEMICAL CLEANING - NGD EXPERIENCE

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Objectives:

Given access to articles on chemical cleaning jobs done in NGD, discuss on a general level (for two jobs of the trainee's choice):

1. The reasons that required the chemical cleaning job.
2. Any alternate methods that were attempted.
3. The reagent chosen and the reason for that choice.
4. The relative success of the job.
5. The use of Ion Exchange resins for radioactive decontamination cleaning.

At the Course Manager's discretion, the discussion could be verbal or written.

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References:

1. Decontamination of the DP NGS Reactor by the CAN-DECON Process; Pettit, LeSurf, Stewart, Strickert, Vaughan; NACE; 1978.
  2. Heat Exchanger Fouling and Cleaning Experience in Ontario Hydro's Nuclear Generation Divisions; Roberts; 1981.
  3. Summary of PNGS-IFSB-HX cleaning.
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Here's What To Do:

1. For your convenience, the three references have been printed here.
2. Peruse the articles and prepare for discussion along the objective's lines.
3. Ask the Course Manager if he wants oral or written discussion.