

PURATE™ Nuclear Engineering Change Package

CHEMStaff will assist your Chemistry and Engineering personnel in the implementation of PURATE, including completing applicable portions of the Design Process and ensuring all engineering technical requirements associated with the project are satisfied for modification packages.

CHEMStaff's expert support of the nuclear engineering change package reduces resource burden while delivering high-efficiency execution, cost avoidance, and accelerated PURATE savings through extensive experience.



CHEMStaff experts will:

- Establish testing requirements
- Provide design support
- Develop inputs for licensing and safety evaluation
- Support the engineering/design change package
- Assess changes to plant operation with new chemical additions
- Revise procedures
- Develop necessary training modules
- Provide project management and oversight (run status meetings and project tracking)

BENEFITS



COSTS

Minimize Re-Work

Overall cost reduction through avoiding errors due to familiarity with technology, industry experience and best practices.

50% re-work cost reduction;
200 hrs to 100 hrs

\$7,000



COSTS

Reduce Internal Labor Cost for Site Engineers

Reduced resource burden on understaffed plants.

75% labor cost reduction;
800 hrs to 200 hrs

\$39,000



COSTS

Reduce Architectural Engineering Firm Costs

Reduced external third-party engineering firm costs.

\$100,000 AE firm price drop

\$100,000



PROFITABILITY

Faster Actualized PURATE Savings

Comprehensive planning and experience reduces delays. Enables faster installation of PURATE.

Installation reduction;
3 years to 1 year

\$600,000

Total Value Created **\$746,000**

CHEMStaff Price **\$200,000**

eROISM
by Ecolab

273%

Nalco Water, an Ecolab Company

North America: 1601 West Diehl Road • Naperville, Illinois 60563 • USA

Europe: Richtstrasse 7 • 8304 Wallisellen • Switzerland

Asia Pacific: 2 International Business Park • #02-20 The Strategy Tower 2 • Singapore 609930

Greater China: 18G • Lane 168 • Da Du He Road • Shanghai China • 200062

Latin America: Av. Francisco Matarazzo • nº 1350 • Sao Paulo - SP Brazil • CEP: 05001-100

Middle East and Africa: Street 1010, Near Container Terminal 3, Jebel Ali Free Zone, PO BOX 262015, Dubai UAE

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