Nuclear Training Course 227
TIMS Ref. 22007

Nuclear Theory

August 1992

ABSTRACT OF CURRENT REVISION

Aug. 1992 ⇔ Added revision index to the course.

Objectives added in module 227.00-0 (objectives module) to address the text added to module 227.00-14.

227.00-1, Page 3. Changed the fission reaction used in the example because one of the fission fragments could not be found in Handbook of Chemistry and Physics 71st edition (section 11) to verify amu values.

227.00-2, Pages 14-17. Revised/corrected "Energy Release From Fission" section and added Figure 8 for clarity.

227.00-6, Page 7, Deleted reference to 133 Reactor, Boilers and Auxiliaries course (not part of training program) and minor revision to text.

Page 10. Revised table to delete DPNGS and NPD and to indicate that BNGSB uses differential burnup for flux flattening.

Page 11. Deleted assignment reference to NPD.

227.00-11, Pages 15-17. Revised to expand discussion of xenon oscillations to include the effects of iodine on the transient.

227.00-13. Page 5, Table 2 was revised to delete references to NPD and DPNGS.

Page 9, deleted reference to BNGSA booster licence in 1979.

Page 16, Table 3 was revised to delete references to NPD and DPNGS and updated to include recent PNGSA modifications, DNGS and CANDU 600 values.

227.00-14, all. Revised to discuss the power doubling technique for determining criticality. Added discussion on the approach to critical after poison outages and extended outages. An assignment was also added to this module.

Revised by: N. Ritter, WNTD

227.00

ABSTRACT OF PREVIOUS REVISIONS

Aug. 1980 ⇔ Previous issue.

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NUCLEAR TRAINING COURSE

COURSE 227

2 - Level
2 - Science Fundamentals
7 - NUCLEAR THEORY

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