



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
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PDR

Regulatory Guides  
5.6, 5.16, 5.19,  
5.40, and 5.47

REGULATORY GUIDE DISTRIBUTION LIST (DIVISION 5)

SUBJECT: WITHDRAWAL OF FIVE DIVISION 5 REGULATORY GUIDES

The regulatory guides identified below were issued as indicated to provide guidance to licensees and applicants for implementing specified portions of the Commission's regulations.

Regulatory Guide 5.6, "Standard Methods for Chemical, Mass Spectrometric, and Spectrochemical Analysis of Nuclear-Grade Plutonium Dioxide Powders and Pellets and Nuclear-Grade Mixed Oxides ([U, Pu]O<sub>2</sub>)," was issued in 1973. It endorses two out-of-date ASTM standards, C697-72a, "Standard Methods for Chemical, Mass Spectrometric, and Spectrochemical Analysis of Nuclear-Grade Mixed Oxides ([U, Pu]O<sub>2</sub>)," and C698-72a, "Standard Methods for Chemical, Mass Spectrometric and Spectrochemical Analysis of Nuclear-Grade Plutonium Dioxide Powders and Pellets."

Regulatory Guide 5.16, "Standard Methods for Chemical, Mass Spectrometric, Spectrochemical, Nuclear, and Radiochemical Analysis of Nuclear-Grade Plutonium Nitrate Solutions and Plutonium Metal," was revised in 1975. It endorses two out-of-date ASTM standards, C758-73, "Standard Methods for Chemical, Mass Spectrometric, Spectrochemical, Chemical, Nuclear, and Radiochemical Analysis of Nuclear-Grade Plutonium Metal," and C759-73, "Standard Methods for Chemical, Mass Spectrometric, Spectrochemical, Nuclear, and Radiochemical Analysis of Nuclear-Grade Plutonium Nitrate Solutions."

Regulatory Guide 5.19, "Methods for the Accountability of Plutonium Nitrate Solutions," was issued in 1974. It endorses WASH 1282, "Methods for the Accountability of Plutonium Nitrate Solutions." This report, also published in 1974, is based on 1973 plutonium technology and is no longer state of the art.

Regulatory Guide 5.40, "Methods for the Accountability of Plutonium Dioxide Powder," was issued in 1974. It endorses WASH 1335, "Methods of Accountability of Plutonium Dioxide Powder," a report published in 1974 that is no longer state of the art.

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