GUIDANCE FOR EVALUATING MEDICAL WASTE TREATMENT TECHNOLOGIES

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GUIDANCE FOR EVALUATING MEDICAL WASTE TREATMENT TECHNOLOGIES

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DISCLAIMER

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ABSTRACT

The Medical Waste Tracking Act of 1988 (MWTA) requires EPA, among other things to evaluate national medical waste issues. Section 11008 of the MWTA requires EPA to prepare a series of reports to Congress on various issues related to medical waste. Specifically, Sections 11008 (a)(6) and (7) require EPA to evaluate available and potentially available methods for treating medical waste and their ability to render medical waste noninfectious or less infectious, and unrecognizable and otherwise protect human health and the environment.

This document presents guidance for the evaluation of the effectiveness of medical waste treatment technologies to reduce or inactivate microorganisms that may be present in medical waste. The treatment technologies addressed in this guidance document are:

• Incineration
• Steam Autoclaving
• Chemical Treatment, Mechanical/Chemical Treatment
• Nonionizing Radiation
  Microwave Irradiation
  Radiofrequency Irradiation
• Gamma Irradiation (no test method)
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