

Aerial Measuring System (AMS) Baseline Surveys for Emergency Planning

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ABSTRACT

Originally established in the 1960s to support the Department of Energy's (formerly the Atomic Energy Commission) Nuclear Weapons Testing Program, the AMS mission is to provide a worldwide rapid and comprehensive aerial measurement, analysis, and interpretation capability in response to a nuclear or radiological emergency. In addition, the AMS program has conducted numerous large-area aerial environmental surveys. From approximately 1967 to 1998, the Nuclear Regulatory Commission sponsored aerial baseline surveys of all operating reactors in the United States. This presentation will discuss the history of the AMS and the nuclear power plant survey program, survey techniques and data analysis products, as well as describe the current capabilities and survey options for resumption of nuclear power plant baseline surveys. Also presented, is the Geographical Information System (GIS) options for the presentation of the survey results to federal and state regulators as well as community stakeholders.

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