

**SECTION 1.0**  
**INTRODUCTION**

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### INTRODUCTION

The Environmental Survey and Site Assessment Program (ESSAP) of the Oak Ridge Institute for Science and Education (ORISE) conducts radiological survey activities under a contract with the U.S. Department of Energy (DOE) and for the U.S. Nuclear Regulatory Commission (NRC) under several interagency agreements. ORISE and its programs are operated by Oak Ridge Associated Universities (ORAU) through a contract with DOE.

Sites surveyed under this program are primarily those where residual contamination from previous operations may pose a potential risk to the environment of the site or the health and safety of those occupying the site presently or in the future. Other activities include monitoring of radioactive effluents from currently operating facilities and miscellaneous technical assistance to the funding agencies.

The purpose of this Procedures Manual is to provide a standardized set of procedures that document activities of the program in an auditable manner. These procedures are applicable to both the DOE and NRC operations. Procedures presented here are limited to those associated with site survey activities; procedures related to laboratory and radiological analytical functions are presented in a separate document. A separate manual detailing the quality assurance program has also been prepared. Detailed operating procedures for various program equipment are not provided here; the reader is referred to manufacturers instructional manuals for such information.

It is important to note that the information presented within this document is intended to serve as the standard operating procedures (SOPs) for ESSAP's survey activities. However, due to site- and project-specific requirements that may occur or be requested, the SOPs may be modified or revised procedures adapted to meet project requirements. In accordance with the ESSAP Quality Assurance Manual, any deviations to procedures are documented with the technical basis for the modification.

This manual was produced through the combined effort of many ESSAP staff members, both past and present. Their contributions are greatly appreciated.