

**CENTER FOR NUCLEAR WASTE  
REGULATORY ANALYSES**

Proc. TOP-016

Revision 0

**TECHNICAL OPERATING PROCEDURE**

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**Title**

Field Collection of Geologic Samples

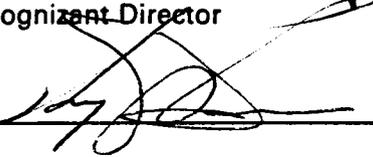
**EFFECTIVITY AND APPROVAL**

Revision 0 of this procedure became effective on 02/21/91. This procedure consists of the pages and changes listed below.

<u>Page No.</u>	<u>Change</u>	<u>Date Effective</u>
A11	0	02/21/91

Supersedes Procedure No. \_\_\_\_\_

**Approvals**

Written By 	Date 2/21/91	Technical Review John D. Russell by Michael P. Miley	Date 02/21/91
Quality Assurance 	Date 2/21/91	Cognizant Director 	Date 2/21/91

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**TOP-016  
FIELD COLLECTION OF GEOLOGIC SAMPLES**

**1. PURPOSE**

The purpose of this procedure is to provide general methods for field collection of geologic samples. This procedure establishes controls required by CQAM Sections 8 and 13.

1.1 "Geologic" samples include rock, mineral, soil, and similar materials.

**2. RESPONSIBILITY**

2.1 The Geologic Setting Element Manager is responsible for the development and maintenance of this procedure.

2.2 The cognizant Principal Investigators shall be responsible for the implementation of this procedure.

2.3 Personnel performing the tasks described in this procedure are responsible for complying with its requirements.

**3. PROCEDURE**

**3.1 Sample Collection**

3.1.1 Samples of rocks, minerals, and soils shall be placed in appropriate containers (e.g. canvas or plastic bags or jars) which are labeled with an identification code (see section 3.2). Large samples may be labeled directly by permanent marker. If jars are used, the sample identification code must be placed on the jar and may additionally be placed on the lid.

**3.2 Sample Identification**

Samples shall be identified according to TOP-012. Explanation of sample identification codes shall be entered into the appropriate field notebook.

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3.3 Field Documentation

3.3.1 Field notebooks shall be maintained in accordance with QAP-001. The field notebook shall be subject to the same requirements as a scientific notebook.

3.3.2 The following information shall be recorded in the field notebook at the time of collection:

- sample identification number
- location of collection site
- name and age of the rock unit sampled, if known
- date of collection
- a brief description of the sample
- name or initials of the person making the entry

3.3.3 A photograph may taken of the sample location, as determined necessary by the Principal Investigator, to show local relations.

3.3.4 Sketches may made in the field notebook, as determined necessary by the Principal Investigator, to show local relations.

3.3.5 The sample location may marked on an appropriate base map or air photograph, as determined necessary by the Principal Investigator.

3.3.6 Sample control, storage, handling, shipping, and archiving shall be done in accordance with TOP-012.

4.0 Records

Sample collection records (field notebooks) shall be maintained as QA records in accordance with CQAM section 17 and permanently retained.