

GEOSCIENCES AND ENGINEERING DIVISION

QUALITY ASSURANCE PROCEDURE

Proc. QAP-005

Revision 4 Chg 2

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Title: **QAP-005 QUALITY INDOCTRINATION AND TRAINING**

EFFECTIVITY AND APPROVAL

Revision 4 of this procedure became effective on August 15, 2005. This procedure consists of the pages and changes listed below.

| <u>Page No.</u> | <u>Change</u> | <u>Date Effective</u> |
|-----------------|---------------|-----------------------|
| 1-4 | 2 | 1/04/2006 |
| 5-7 | 0 | 08/15/2005 |

Change 1:

Change form number from DC-1-2 to QAP-2

Change 2: Treat training as a function separate from controlled document distribution (QAP-008).

Supersedes Procedure No. QAP-005, Rev. 4, Chg 1, dated 11/04/2005

Approvals

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QAP-005 QUALITY INDOCTRINATION AND TRAINING

1. PURPOSE

The purpose of this procedure is to describe the methods to be used for quality assurance (QA) indoctrination and training. This procedure implements the requirements of the Geosciences and Engineering Division (Division) Quality Assurance Manual (QAM) Section 2.

2. RESPONSIBILITY

- 2.1 The Director of QA is responsible for developing and presenting QA program indoctrination materials.
- 2.2 The responsible manager is responsible for identifying training needs and for arranging supplementary training as necessary.
- 2.3 Document control personnel are responsible for tracking training acknowledgments.
- 2.4 Individuals performing quality affecting activities for the Division are responsible for reading and acknowledging availability of documents required to conduct quality-affecting activities.

3. PROCEDURE

3.1 QA Program Indoctrination

- 3.1.1 Individuals performing activities affecting quality shall receive indoctrination to the requirements of the QA program. Indoctrination materials shall be prepared by the Director of QA. Presentations may be face to face, or through reading the presentation materials. Indoctrination shall be documented by a signed acknowledgment.
- 3.1.2 New Division employees shall receive QA program indoctrination within two weeks (10 working days) after starting. Consultants, subcontractors, and other non-Division staff shall receive indoctrination prior to being assigned activities affecting quality.
- 3.1.3 Indoctrination shall include:
 - Explanation of contract provisions, regulatory requirements, and industry guidance applicable to the Division QA program.
 - Discussion of the Division organization, interfaces with the U.S. Nuclear Regulatory Commission (NRC) and other clients, and the quality responsibilities of all personnel.

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- Discussion of the QA program documents, methodology for QA implementation, and the conduct of quality verification activities.
 - Explanation of the authorities and duties of the QA staff and of the responsibility of all personnel in identifying and reporting nonconformances and conditions adverse to quality and stopping work when nonconformances may result.
- 3.1.4 Indoctrination of all active personnel shall be repeated upon each revision of the QAM unless determined otherwise by the Director of QA.
- 3.2 Initial Training Needs Assessment and Operating Procedure Training
- 3.2.1 The responsible manager shall determine training needs before an individual begins performing activities governed by the procedures. The manager shall determine anticipated individual work assignments and identify appropriate Technical Operating, QA, and Administrative Procedures using Table 1 "Suggested Training for Work Assignments" as guidance. The quality requirements application matrix for the work assigned to the individual should be consulted when identifying training needs. The manager's determination shall be documented on form QAP-11-1, "Procedure Identification and Training Record." The completed QAP-11-1 form shall be forwarded to document control personnel to arrange for controlled document distribution.
- 3.2.2 The manager shall identify the completion dates for the required training so the appropriate training can be completed before quality affecting activities are assigned or performed. Generally, new Division employees should complete the required training within two weeks (10 working days) after reporting for work.
- 3.2.3 Document control personnel shall notify each individual of the required training identified by the manager. Training shall be completed by reading the assigned procedures, as a minimum; specialized training may be conducted in accordance with Section 3.2.5, as determined to be necessary by the individual in consultation with the responsible manager.
- 3.2.4 The completion of training shall be documented through the online acknowledgment system (at the website [tuti\QA](#)), by e-mail, or by a signed statement on the "Training Acknowledgment Record," Form QAP-2.
- 3.2.5 Additional specialized training shall be provided for procedures and methods requiring special skills and/or training as determined necessary by the manager or principal investigator.

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- 3.2.6 A training database shall be maintained by document control that identifies the training needs determined by the manager (i.e., from the QAP-11-1 form) and training acknowledgment. Information from the database will be available to managers for assessing training needs.
- 3.3 Training Needs Reassessment and Retraining
- 3.3.1 Training needs shall be reassessed when work assignments are changed and, at a minimum, after operations planning activities. The reassessment shall be documented on the lower portion of the QAP-11-1 form. The block "No Additional Training Needed" shall be checked when appropriate. Any new training needs will be added to the QAP-11-1 form and communicated to the affected individual as described in paragraph 3.2.3.
- 3.3.2 Retraining to assigned procedures shall be required when procedure revisions significantly change requirements, as determined by the manager responsible for the procedure.
- 3.3.3 Retraining may be accomplished through reviewing procedures as described in paragraph 3.2.3, use of developed training materials, or face-to-face training sessions. Retraining shall be acknowledged as described in paragraph 3.2.4 or by training session sign-in sheets, as appropriate.
4. RECORDS
- 4.1 QA program indoctrination and materials shall be maintained as QA records in accordance with QAP-012, Quality Assurance Records Control.
- 4.2 Training acknowledgments shall be retained as a QA Records as specified in QAP-012.

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Table 1. Suggested Training for Work Assignments (continued)

| Procedure | | Technical Staff | | | | | Management | Support Staff | | | |
|------------|--|-----------------|-----|-------|----------|----------|------------|------------------|---------|-----------------|-----|
| | | PI | Lab | Field | Analysis | Software | | Document Control | Finance | Word Processing | IMS |
| AP-019 | Records Management | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| AP-020 | Managing Sensitive Unclassified and Export Controlled Information | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| QAP-001 | Scientific Notebook Control | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | |
| QAP-002 | Review of Documents, Reports, and Papers | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ |
| QAP-004 | Surveillance Control | | | | | | ✓ | ✓ | | | |
| QAP-005 | Quality Indoctrination and Training | | | | | | ✓ | ✓ | | | |
| QAP-007 | Professional Personnel Qualification | | | | | | ✓ | ✓ | | | |
| QAP-008 | Document Control | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| QAP-009 | Nonconformance Control | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| QAP-010 | Corrective Action | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| QAP-011 | Audits | | | | | | ✓ | ✓ | | | |
| QAP-012 | Quality Assurance Records Control | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| QAP-013 | Quality Planning | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | |
| QAP-014 | Documentation and Verification of Scientific and Engineering Calculations | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | |
| QAP-015 | Qualification of Existing Data | ✓ | | | ✓ | | ✓ | | | | |
| QAP-016 | Procurement | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| QAP-017 | Drawing Control | ✓ | | | ✓ | | ✓ | ✓ | | | |
| QAP-018 | Procedure for Confirmatory Analyses | ✓ | ✓ | | ✓ | | ✓ | | | | |
| QAP-019 | Control of Measuring and Test Equipment | ✓ | ✓ | ✓ | | | ✓ | ✓ | | | |
| TOP-003-01 | Procedure for Preparing Electrochemical & Corrosion Test Specimens | ✓ | ✓ | | | | ✓ | | | | |
| TOP-004 | Procedure for Control, Preparation, & Characterization of Geological Materials | ✓ | ✓ | ✓ | | | ✓ | | | | |

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Table 1. Suggested Training for Work Assignments (continued)

| Procedure | Technical Staff | | | | | Management | Support Staff | | | | |
|-----------|--|-----|-------|----------|----------|------------|--------------------|---------|-----------------|-----|--|
| | PI | Lab | Field | Analysis | Software | | Administrative, QA | Finance | Word Processing | IMS | |
| TOP-012 | Identification, Control, Storage, Handling, Shipping, and Archiving of Samples | ✓ | ✓ | ✓ | | | ✓ | | | | |
| TOP-016 | Field Collection of Geologic Samples | ✓ | | ✓ | | | ✓ | | | | |
| TOP-017 | Field Collection of Water Samples | ✓ | | ✓ | | | ✓ | | | | |
| TOP-018 | Development and Control of Scientific and Engineering Software | ✓ | | | ✓ | ✓ | ✓ | | | | |
| TOP-022 | Procedure for Verification of the Performance of a Potentiostat & the Associated Data Acquisition Software | ✓ | ✓ | | | | ✓ | | | | |
| TOP-025 | Preparation of NRC Assessment Reports | ✓ | | | | | ✓ | | | | |