



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

(FSME-11-007, January, Training, Visual Sample Plan)

January 10, 2011

ALL AGREEMENT STATES, MICHIGAN

ACCEPTANCE TO THE VISUAL SAMPLE PLAN TRAINING COURSE **(FSME-11-007)**

Purpose: To provide the list of students selected for the U.S. Nuclear Regulatory Commission (NRC) Visual Sample Plan Training Course.

Background: NRC provides the list of students and instructions to the States to help ensure that States with candidates on waiting list will have an opportunity to fill vacated slots that may open up after this notification letter has been sent.

Discussion: Enclosure 1 is the list of students from the States selected to attend the March 8-11, 2011, Visual Sample Plan Training Course. This course will be held in Topeka, Kansas. Please provide the list of students and the instructions (Enclosure 2) to each individual from your program that is on the list. Enclosed for your information is a tentative schedule for the course (Enclosure 3). NRC will pay travel expenses and per diem to students attending this course. Students should make their travel arrangements through Carlson Wagonlit Travel at 1-866-250-2160, and submit their travel information to NRC to issue their travel authorization (Appendix A). The Travel Application Form can be accessed at <http://nrc-stp.ornl.gov/training.html> and sent to Brenda.Usilton@nrc.gov, or faxed to 301-415-3502.

We ask that you inform us of any cancellations 30 days prior to the course starting date or as soon as you are aware that the student cannot attend the course.¹

¹ This information request has been approved by OMB 3150-0029 expiration 11/30/2013. The estimated burden per response to comply with this voluntary collection is approximately 8 hours. Send comments regarding the burden estimate to the Records and FOIA/Privacy Services Branch (T-5F52), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by Internet e-mail to infocollects@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202 (3150-0029), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

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If you have any questions regarding this correspondence, please contact me at 301-415-3340 or the individual named below.

POINT OF CONTACT: Brenda G. Usilton
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INTERNET: Brenda.Usilton@NRC.GOV
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/RA/

Robert J. Lewis, Director
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and State Agreements
Office of Federal and State Materials
and Environmental Management Programs

Enclosures:

1. Course Participant List
2. Instructions to Students
3. Tentative Course Schedule

VISUAL SAMPLE PLAN COURSE
MARCH 8-11, 2011
TOPEKA, KANSAS

STATE	PARTICIPANT(S)
ARKANSAS Dept. of Health 4815 W. Markham St., Slot 30 Little Rock, AR 72206-3867	Steve Mack
KANSAS Bureau of Environmental Health 1000 SW Jackson St., Ste 330 Topeka, KS 6661 12-1365	Tom Conley Dave Whitfill Jason Barney David Lawrenz Maggie Weiser Jay Schalansky Corena Jaeger Isabella Busenitz Judee Walden Jessica Snook
OREGON Department of Human Services 800 NE Oregon Street, Suite 640 Portland, Oregon 97232-2162	Kevin Siebert
WASHINGTON 309 Bradley Blvd. Suite 201 Richland, WA 99352	Robert Ruben

INSTRUCTIONS TO STUDENTS

ACCEPTANCE: This is to advise you that those individuals in Enclosure 1 have been accepted for participation in the Visual Sample Plan Training Course." This course will be presented March 8-11, 2011, at the Curtis State Office Building, 1000 SW Jackson St., Computer Resource Training Room, Garden Level, Room 030, Topeka, KS 66612-1365. The contact person for any questions regarding the location of the course will be Isabelle Busenitz. She can be contacted on 785-296-8286 (work) or 785-215-3759 (cell).

COURSE: The course hours will be 8:00 a.m. - 4:00 p.m., each day with the exception of Friday, March 11, 2011. Friday's course will end at 2:30 p.m. Cellular phones and similar devices with audible capability should be disabled while classes are in session. Normal office/business attire is appropriate for students attending training. Enclosure 3 is a tentative agenda for the course. If traveling by air, please contact Carlson Wagonlit Travel at 1-866-250-2160, to book reservations. Please complete the Travel Application Form located at <http://nrc-stp.ornl.gov/training.html> and send it to Brenda Usilton at Brenda.Usilton@nrc.gov, or fax it to 301-415-3502. You can also go to the same website to receive a copy of the travel instructions and voucher for reimbursement. If you have any questions regarding the form, contact Brenda at 301-415-2348.

LODGING: You should plan to arrive on Monday, March 7, 2011, and depart on Friday, March 11, 2011. Participants must make their own lodging and travel arrangements. Individuals should request a Federal government rate at the hotel. The per diem for Topeka, Kansas is 77/46/123. This means lodging/meals/not to exceed total per day. Tax is a separate line item on your voucher. Please go to www.visittopeka.us and click on "Places To Stay" to find a hotel.

Tentative Schedule

Visual Sample Plan Training

March 8-11, 2011

Topeka, Kansas

**VSP 4 Day Training Course Outline
(2-Day General Course Followed by 2-Day Advanced Course)**

[Each participant will have a desk top with VSP on it and will work through the case studies together with the instructor and individually.

GENERAL 2-DAY VSP TRAINING SESSION

DAY 1

8:00-8:25 Course Expectations, Prior Training, Schedule, Feedback, Load VSP, etc.

8:25-9:00 VSP Overview/Demo (Executive Summary)

9:00-9:30 Review of Systematic Planning, DQO Process, and DQA

9:30-9:45 Break

9:45-11:15 VSP Maneuvering and Procedures (Part 1)

11:15-12:00 Statistical Concept Review and Intro to Sampling Design Expert Mentor

12:00-1:00 Lunch (on your own)

1:00-2:00 VSP Maneuvering and Procedures (Part 2)

2:00-2:45 Case Studies

- Judgment Sampling
- Locate Hotspot Objective
- Comparison Against a Threshold

2:45-3:00 Break

3:00-3:55 Group Case Study

- Introduce DQO/VSP Group Case Studies
- Group Breakout on DQO/VSP Case Studies

3:55- 4:00 Questions, Issues, End of Day 1

Day 2

8:00-8:15 Questions, Quick Review

8:15-9:40 Case Studies

- Comparison Against Threshold (2)
- Confidence Interval Objective
- Comparison Against Background

9:40-9:55 Break

9:55-11:00 Case Studies (Mean Based Decisions)

- Collaborative Sampling (Instructor-Led and On Your Own)
- Sequential Sampling (Instructor-Led and On Your Own)

11:00- 12:00 Case Studies (Individual Observation Based Decisions)

- Hotspot Detection with False Negative Rate (Building)
- X%/Y% Acceptance Sampling – No Excedences Allowed

12:00-1:00 Lunch (on your own)

1:00-2:40 Case Studies

- X%/Y% NonParametric UTL
- X%/Y% Parametric UTL
- X%/Y% Acceptance Sampling – Excedences Allowed (Optional)
- Trend Detection/Estimation – No Seasonality

2:40-2:55 Break

2:55-3:55 Finalize Group DQO/VSP Case Studies

3:55-4:00 Questions, Issues, End of Day 2.

ADVANCED VSP TRAINING SESSION

(This session has several modular sections. Depending on class make-up and interest, some training modules may be emphasized whereas others may be either skipped or covered only briefly; The order is flexible and breaks will be taken as needed)

Day 3: Advanced

- 8:00-8:30 MQO Features and Retrospective Evaluations
- 8:30-9:15 Presentations of DQO/VSP Case Studies
- 9:15-9:30 Expert Mentor and Data Analysis Tools
- 9:30-9:45 Overview and Prioritization of Advanced Topic Modules
- Mean Comparison Module (2 hours)
 - Multi-Increment (Composite) Sampling Intro & Case Study
 - Stratified Sampling Presentation and Case Study
 - Adaptive Cluster Sampling
 - Use of Historical Samples
 - Handling Less-Than-Detects
 - Long Term Monitoring Module (3-4 hours)
 - Well Grouping Options
 - Trend Detection/Estimation: Seasonality
 - Trend Detection- Exponential, LOWESS, Well Grouping, <Detect
 - GeoStatistical Modeling Tutorial and Case Study
 - Spatial Redundancy Evaluation Case Study
 - Analyte Redundancy Evaluation Case Study
 - Temporal Redundancy Evaluation Case Study
 - Adding Spatial Sample Locations
 - Within Building Module (2-3 hours)
 - Strategic Zone Designation and General Approach
 - Map/Building Features, Furniture/Shelves, and Maneuvering
 - Office Building Sampling Designs Case Study
 - Combined Judgment and Probabilistic Sampling Intro & Case Study
 - Airport Case Study
 - INL Facility Simulated Bio-Release Illustration (optional)
 - Radiological Surveys and Item Sampling (1 hour)
 - Radiological Survey Design and Analysis Case Study
 - Item Sampling Case Study
 - UXO Module (2 hours)
 - Problem and Approach Overview Presentation
 - Transect Design and Analysis Case Study
 - Post Remediation Validation Case Study
- 9:45-10:00 Break
- 10:00-12:00 Advanced Topic Module 1
- 12:00-1:00 Lunch (on your own)

1:00-2:45 Advanced Topic Module 2
2:45-3:00 Break
3:00-4:00 Advanced Topic Module 3 (1st half)
4:30-4:45 Issues, Questions, End of Advanced Day 1

Day 4: Advanced

8:00-8:15 Issues, Questions from Advanced Day 1.
8:15-9:30 Advanced Topic 3 (Continued)
9:30-9:45 Break
9:45-12:00 Advanced Topic 4
12:00-1:00 Lunch
1:00-2:15 Advanced Topic 5
2:15-2:30 Future VSP Directions, Evaluation Forms, Wrap Up.
2:30 Adjourn