

FRMAC Monitoring and Sampling Historical Training Videos: Disclaimers and Comments

Purpose

In 2006, 2013, and 2018, FRMAC created training videos to use in responder training courses. In an effort to preserve some history, we decided to post these training videos to the FRMAC website. Since these videos were made some time ago, it is important to remember that some of the content is out of date as FRMAC evolves its operations. Some disclaimers and comments about each video are provided in this document. Please reference the current FRMAC Monitoring and Sampling Manuals (Volume I and II) for current operations and procedures.

General Disclaimers/Comments:

- Any reference to the FRMAC Monitoring and Sampling Manual is out of date.
- The videos frequently show survey instrumentation that is no longer used by CMRT/FRMAC.
- Not all the mentioned sampling equipment is used by CMRT/FRMAC field teams.
- The labels of Sample Technician, Survey Technician, and Support Technician are not readily used in the FRMAC Monitoring Division.
- The videos reference recording data on a paper log. Current operations would record the data via an electronic means, with the monitoring log as a backup.

2006 Videos: Specific Comments

- Air Sampling
 - This is a 3-minute video which demonstrates how to take an air sample. FRMAC does not deploy with large filter sizes.
- Soil Sampling
 - This is a 3-minute video which demonstrates how to collect a soil sample.
- Water Sampling
 - This is a 4-minute video which demonstrates one way to collect a surface water sample.
- FMT Briefing
 - This is an 11-minute video which provides an example of a field team briefing. Volume I of the FRMAC Monitoring and Sampling Manual provides topics to be discussed at the field team briefing.
- Hotline Setup
 - This is a 4-minute video which demonstrates how to establish and basic operations of a contamination control line (known as a hotline).
- Sample Processing
 - This is an 8-minute video which highlights sample processing. General principles are taught. Sample Control operations have incorporated more technology since the making of this video. Please refer to the FRMAC Laboratory Analysis Manual for current guidance on sample processing and control.

2013 Videos: Specific Comments

These videos are referenced in the PowerPoints titled “Module 1 Field Monitoring Instrumentation” and “Module 2 Environmental Sample Collection” located on the FRMAC Monitoring and Sampling section of the FRMAC website.

- “Air Sampling”
 - This 20 minute video is blurry. Generally, the source content is fine.
 - Needed Corrections for 2020 operations:
 - The air filter is marked on the front side now, not the backside as instructed in the video.
- “Dispatch and site selection - Final”
 - This 14 minute video is clear. Generally, the source content is fine.
 - Needed Corrections for 2020 operations:
 - Recording open/closed window measurements at each sample location is not necessary (may be implied by the video).
- “Intro to Instrumentation – Final”
 - This 18 minute video is clear. Generally, the source content discusses survey instrumentation that is no longer used by CMRT/FRMAC. The operational checks section of the video contains general principles that are still valid, but uses outdated instrumentation as examples.
 - Needed Corrections for 2020 operations:
 - The video is no longer applicable to CMRT/FRMAC.
- “Soil Sampling”
 - This 15 minute video is clear. Generally, the source content is fine.
 - Needed Corrections for 2020 Operations:
 - The size dimensions for the trench size is a recommendation.
- “Vegetation Sampling”
 - This 15 minute video is somewhat blurry. Generally, the source content is fine.
 - Needed Corrections for 2020 Operations:
 - Sample volume for vegetation will be documented on the ICS-204FRMAC form.
- “Water Sampling”
 - This 12 minute video is somewhat blurry. Generally, the source content is fine.
 - Needed Corrections for 2020 Operations:
 - Rinsing of the water container and lid should be done using clean water, not using sample water as instructed in the video.

- The following videos are embedded in the PowerPoints titled “Module 1 Field Monitoring Instrumentation” and “Module 2 Environmental Sample Collection:”
 - “alpha monitoring_no audio”: 1-minute video with no audio shows a technician surveying an object with an alpha probe.
 - “beta gamma monitoring1_no audio”: 13-second video with no audio shows a technician surveying the ground using an open and closed beta window.
 - “beta gamma monitoring2_no audio”: 1-minute video with no audio shows a technician surveying an object with a beta gamma probe with an open and closed window.
 - “beta monitoring_no audio”: 1-minute video with no audio shows a technician surveying an object with a beta probe.
 - “Smear Sampling_no audio”: 1-minute video with no audio shows a technician surveying a car hood and also performing a swipe of the car hood.

2018 Videos: Specific Comments

- Air Sampling
 - This is a 10-minute video which explains the basic concepts of air sampling and demonstrates how to take an air sample.
- Soil Sampling
 - This is a 4-minute video which explains the basic concepts of soil sampling and demonstrates how to collect a soil sample.