Construction Stormwater Education During Pre-Construction Meetings

I. Construction Stormwater Management (1 min. brief introduction by MS4 staff)
   Regulations at federal, state and local levels

II. Ground Control (14:30 min. video from Excal Visual)
   Key points:
   - What are BMPs?
   - Why are BMPs present at the job site and how do they function?
   - What kinds of problems can occur which interfere with proper functioning of common BMPs?
   - What should an employee do if he/she observes a problem?
   Emphasizes how the following BMPs work, how they can fail and potential signs that they are not doing an effective job:
     - Silt fences
     - Stabilized vehicle entrances/exits ("track pads")
     - Stormwater drain inlet protection devices
     - Hay bales
     - Management of industrial materials and wastes
   After watching this video, construction site employees should be able to understand the answers to the questions listed under key points and act as spotters for stormwater compliance and should be ready to observe and act to help protect stormwater runoff.

III. Construction Stormwater Permit Compliance in NWA (7:30 min. video of PowerPoint presentation w/Camtasia voiceover by Extension staff)
   - SWPPPs:
     - Plan of action – must train project personnel responsible for implementing SWPPP activities
     - Living document, revise as needed but DOCUMENT and submit change
   - Inspections
     - ADEQ permit requires “qualified personnel” to serves as site inspector named in SWPPP
     - Inspections (by qualified site inspector) conducted every 7 days or every 14 days and within 24hrs of end of a >0.5 storm event as defined in SWPPP
     - MS4s also inspect periodically under MCM#4 of their MS4 permit and in response to complaints (direct through local citizens or passed along from ADEQ)
     - Cumulative inspection records kept onsite
     - Qualified inspector may be mandated to get additional training if MS4 is not satisfied with inspection frequency, inspection findings, timely repairs, etc.
   - Re-emphasize mud tracking, proper installation and maintenance of silt fences, construction entrances/exits, storm drain inlet protection, concrete washout areas
   - Items posted on-site: ADEQ/MS4 permit NOC, SWPPP, cumulative inspection documents, rain gauge
   - Compliance – responsibility and consequences

IV. 10-Question Quiz (10 min.)

V. Wrap-Up and Resources (5 min. discussion by MS4 staff)