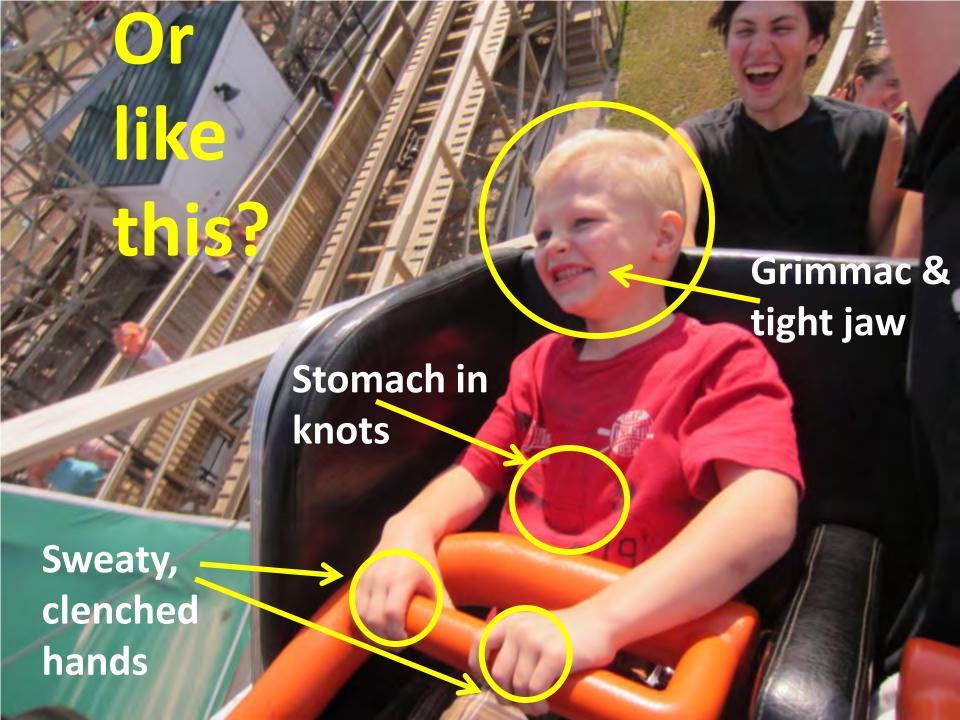
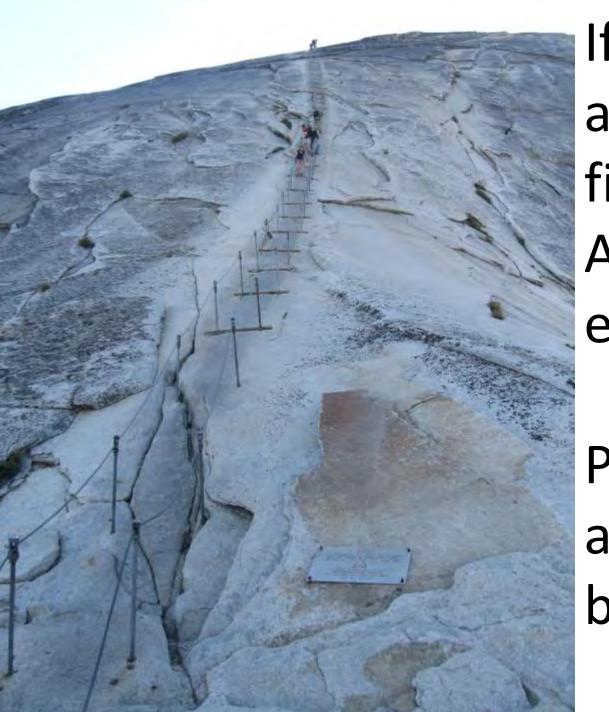
MI County Engineers' Workshop February 13, 2013 Kewadin Casino Hotel & Convention Center

by Koetje, Mitch (MDEQ)

AUDIT

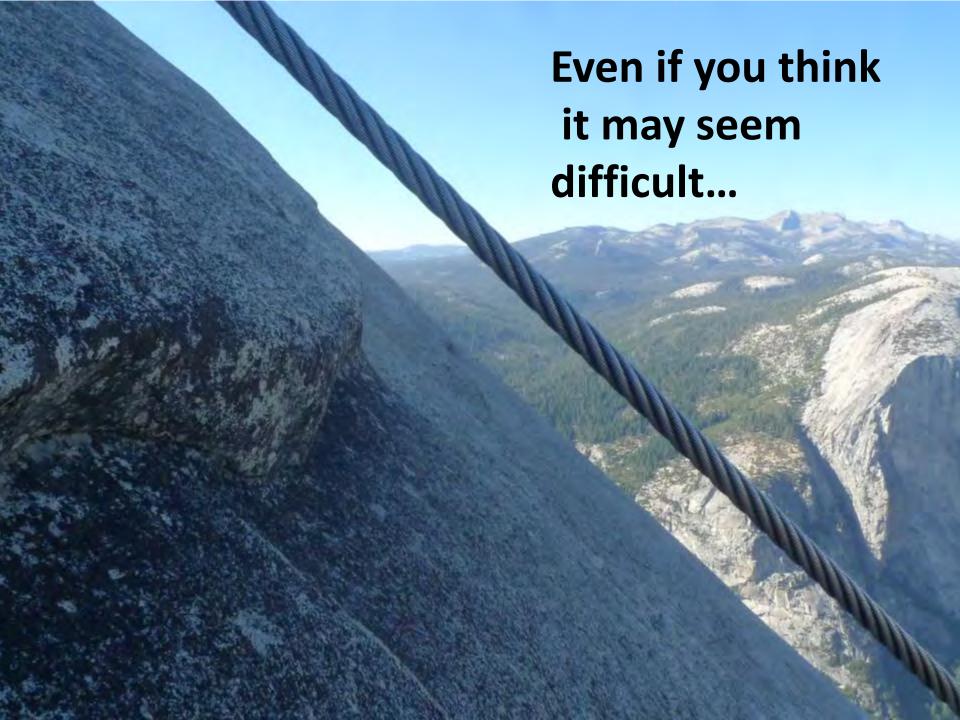






If you are awaiting your first SESC Audit experience

Program approval can be achieved!







Water Resources



- Protect and Monitor
 - 4 Great Lakes
 - 11,000 Inland Lakes
 - **36,000** river miles
 - 5 million acres of wetlands
 - 70,000 acres of coastal dunes

For swimming, fishing, drinking water and aquatic ecosystems.

Audit Timeline Getting started with the SESC Audit

MDEQ conducts SESC audits approximately every 5 years:

- 1. DEQ calls to schedule date and time
- DEQ sends a digital questionnaire and audit confirmation email requesting the following items:

Digital Questionnaire Information Requested

- a) Completed digital questionnaire
- b) The approved APA SESC Operating Procedures
- c) Inspection Form/Checklist
- d) Sample copies of SESC plans for maintenance projects
- e) Written guidelines or procedures used in lieu of plans for maintenance projects
- f) Sample bid language used for enforcing Part 91 with contractors,

Audit Timeline Cont....

- 3. APA staff complete digital questionnaire, collect requested submittals, and return to DEQ (preferably digitally).
- DEQ staff will review the contents of submittals and <u>may</u> try to inform APA of necessary changes prior to the field visit.
- 5. Scheduled field visit (typically 1 day)
 - a) Review digital questionnaire
 - b) Review files (permits, plans, inspections, etc.)
 - c) On-site visits/inspections
 - d) Audit can also include inspections performed between audits.

Audit Timeline Cont....

- 6. DEQ will compile the audit results and send a letter indicating one of the following:
 - a) APA Approval
 - b) Violation Notice (includes required changes and gives 60 days to correct)
- 7. DEQ and APA will work together to make any changes necessary in ~60 days.
- 8. DEQ sends a preliminary Procedures approval
- 9. APA commissioners pass SESC Procedures
- 10. DEQ sends official SESC Procedures approval
- 11. DEQ will send one of the following letters:
 - a) APA Approval
 - b) Proposal to Disapprove

Audit Contents

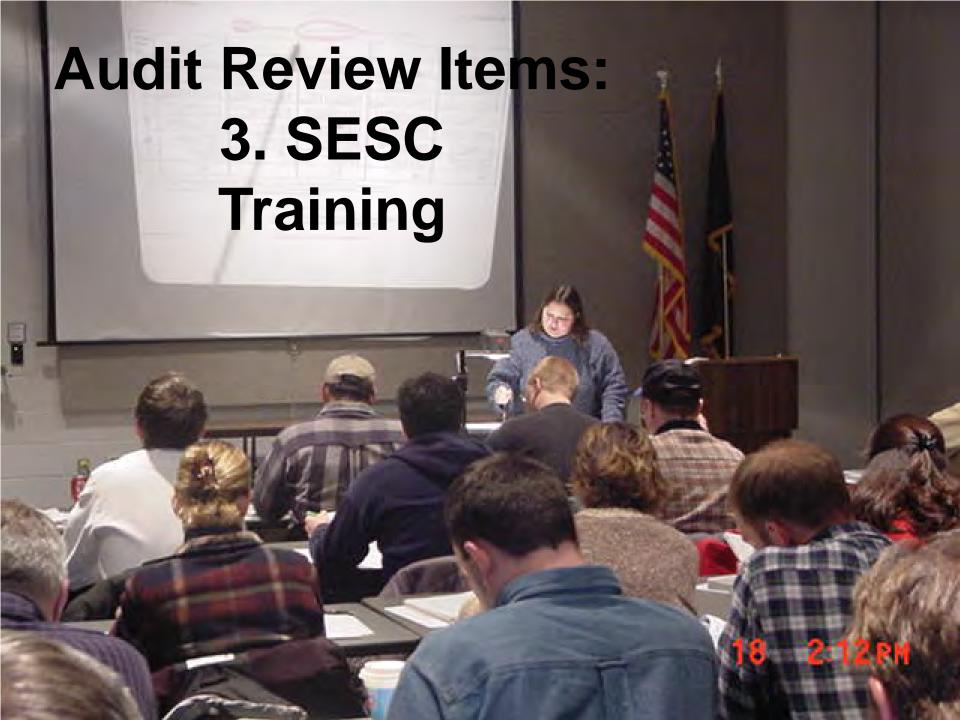
(Sec. 9110 Authorized Public Agencies)

- 1. SESC Operating Procedures
- 2. Funding
- 3. Staff Training
- 4. Inspections
- 5. Compliance & Enforcement
- 6. SESC Plans
- 7. Site Conditions

Audit Review Items: 1. SESC Operating Procedures

- The SESC Operating Procedure is a document describing the practices & methods used by an APAs to meet Part 91 SESC Program requirements.
- APA must have a current, adopted, and MDEQ approved procedure.





Training is required for <u>all</u> individuals with decision-making authority

OPTION 1 – SESC & Construction Site Storm Water Operator <u>Inspector Training</u> allows staff to:

- Inspect sites to determine compliance with the SESC Plan
- Document Inspections
- Identify SESC measures that are failing or require maintenance
- Identify areas where additional measures <u>MAY</u>
 be needed
- Report Findings to the landowner or Comprehensive Certified individual for the APA







- Long, gradual ditch slope is eroding and discharging sediment to stream
- No SESC measures identified in the SESC Plan
- Additional measures are needed immediately to prevent further discharge
- Inspection report goes to Comprehensive Trained staff for further action

Training is required for all individuals with decision-making authority

OPTION 2 – <u>Comprehensive</u> SESC Training allows staff to:

- *** All <u>Comprehensive</u> SESC Trained Staff must first receive their <u>Inspector</u> Training Certificate
- Review and/or design SESC Plans.
- Make determinations to pursue enforcement action for non compliance with Part 91 & Rules
- Make SESC Plan updates for the APA
- Review and/or design SESC measures or make determinations that design assistance is needed.



- Ditch slope length longer/left open longer than anticipated, and eroding from light
- No SESC measures identified in the SESC Plan and additional measures are needed.
- Action now: Install 3 combination check dams and sediment traps to prevent discharge.
- Actions completed faster, easier, and Inspection report goes to the boss and file.











Without **Inspections:** Inadequate **SESC Plan** and inadequate **SESC** measures are not identified and become...



A discharge Violation

2 weeks later After a rain

Inspection Frequency

APAs must conduct adequate site inspections to assure minimization of soil erosion and off-site sedimentation.

 Inspections must be documented in order to be considered complete inspections during the SESC audit.

Soil Erosion Inspection Log		
Project Name or Description:	Page of	
NPDES Number:		
Date: Time: Certified Operator: Reason for Inspection: Weekly Inspection Inspection After Storm Observations:	n Water Runoff	
Corrective Actions Taken/Needed:		
Signature:	Operator Number:	
Print Name:		

REMEMBER TO REFER TO THE SITE PLANS OR SKETCH

Considerations for Site Prioritization

- Size of disturbance
- Time length of disturbance
- Proximity to surface waters
- Direct Connection to surface waters (pipes channels)
- Soil types
- Slopes
- Permittee historical performance
- Setback from property boundaries
- Others?

Minimum Inspection Frequency SESC

- All earth changes greater than 1 acre without a discharge to waters of the state
 OR within 500 feet of a lake or stream
 - A starting goal is Inspections by a SESC certified inspector an avg. of 1X/month OR more frequently depending on the likelihood of an off-site sediment discharge.
 - An APA may choose to develop a DEQ approved site prioritization matrix that defines an appropriate inspection frequency based on site risk factors.

CSW minimum frequency:

- Earth Changes 5 acres or greater with a discharge to surface waters of the state requires a Construction Site Storm Water Notice of Coverage (NOC), AND
- Earth Changes between 1 and 5 acres with a discharge to surface waters of the state is covered by Permit-by-Rule (PBR)
 - Both must be...
 - inspected by a Certified Storm Water Operator (CSWO) at least once per week and within 24 hours of a precipitation event resulting in a discharge from the site.



Audit Review Items:

5. APA Compliance and Enforcement

APAs are responsible for Part 91 compliance on projects in their right of way conducted on their behalf.

The APA is responsible for their contractor's Part 91 violations and their violations of APA SESC Procedures.

As an APA you cannot issue your own permit that places Part 91 responsibility on another entity.

Most enforcement actions are dealt with through contractual language and SESC Plans.

Audit Review Items: 6. SESC Plans Rule 1703 SESC Plan Requirements:

- a) A map or maps at a scale of not more than 200 feet to the inch.
- b) A legal description of the site.
- c) A site location sketch that includes proximity of any proposed earth change to lakes and streams.
- d) Predominant land features.
- e) Contour intervals or slope description.
- f) Soil survey or a written description of the soils types of the exposed land area contemplated for the earth change.
- g) A description and the location of the physical limits of each proposed earth change.

Rule 1703 SESC Plan Requirements Con't:

- h) A description and the location of all existing and proposed on-site drainage and dewatering facilities.
- The timing and sequencing of each proposed earth change.
- j) The location and description for installing and removing all proposed temporary SESC measures.
- k) A description and location of all proposed permanent erosion and sedimentation control measures.
- A program proposal for the continued maintenance of all permanent SESC measures that remain after project completion, including the designation of the person responsible for maintenance.





