



SHORELINE CLEANUP ASSESSMENT TECHNIQUE (SCAT)- Team Member Course

May 15-17, 2018

St. Louis, MO



The National Oceanic and Atmospheric Administration's Emergency Response Division (NOAA's ERD) in partnership with the US Environmental Protection Agency Region VII is pleased to offer a Shoreline Cleanup Assessment Technique (SCAT) Team Member Level course from May 15-17, 2018 in St. Louis, Missouri. This course is

focused on providing responders with the skills necessary to be a successful member of a SCAT Team and is particularly focused on the inland zone with a regional emphasis on higher risk oil production, transportation, and storage areas of the Upper Mississippi River watershed. This course will outline methods for conducting shoreline assessments and



incorporating the results into the decision-making process for shoreline cleanup at oil spills. It will also provide you with methods you can use to plan and conduct shoreline assessments after an oil spill.

You will be shown that shoreline surveys must be conducted systematically because they are crucial components of effective decision-making. In addition, repeated surveys are needed to monitor the effectiveness and effects of ongoing treatment methods (changes in shoreline oiling conditions, as well as natural recovery), so that the need for changes in methodology, additional treatment, or constraints can be evaluated. You then will be able to incorporate your assessment results into your decision-making process for the shoreline cleanup.

Application

To apply, please send an email to Adam Davis, NOAA SSC, adam.davis@noaa.gov and Heath Smith, EPA OSC smith.heath@epa.gov. **PLEASE PUT SCAT UMR 2018 in the subject line.** There is no tuition for this course. The student is responsible to ensure they have all materials and supplies as described below (see SCAT Student Materials) and miscellaneous expenses (lodging, travel, food, etc).



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Applicant deadline is April 10, 2018. You will be advised no later than April 15, 2018 if you have been accepted to the training.

Classroom

The course will be held at the **U.S. Coast Guard** located at **US Coast Guard 1222 Spruce St, St. Louis, MO 63103**. Parking is available in the **\$3.00/day** lot south of US 40/I64 off of Historic U.S. 66 and Plum Street (see attached map).

Meals

No meals are provided. Each individual will be responsible for purchasing their own lunch or may choose to bring their own lunch, snack and beverages.

Field Trips

Field trips will be conducted each day at offsite locations **to be determined**. The locations will be within a one hour drive of St. Louis and time for travel will be incorporated into the schedule. Transportation to and from the field sites will be the responsibility of those attending. Further information on field trips will be provided prior to the course.

Lodging

A number of hotels are located in close proximity to the classroom in downtown St. Louis. Lodging arrangements are the responsibility of the attendee.

Attire

All persons will participate in field activities and classroom activities. It is recommended that **all persons wear civilian attire** which is appropriate for the seasonal temperatures and walking in rough, uneven terrain associated with creeks, along shorelines and along wetland areas. Good walking boots are required. In St. Louis, the month of November is characterized by rapidly falling daily high temperatures, with daily highs decreasing by 13°F, from 62°F to 50°F over the course of the month, and rarely exceeding 76°F or dropping below 36°F. Daily low temperatures decrease by 10°F, from 44°F to 34°F, rarely falling below 22°F or exceeding 57°F.

Like ICS, we encourage the removal of "rank" or workplace authorities to allow a free learning environment.



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Schedule

The course will begin on Tuesday, May 15th at 08:00 AM and conclude on Thursday, May 17th by 4:00 PM. There will be two to three field trips to practice SCAT, details on these locations and logistics will be provided at a later date.

SCAT Student Materials

Presentations

Presentations will be made available during the course.

Essential for Field Exercises

- ❖ **Shoreline Assessment Job Aid.** NOAA, 2007. Each student should have a laminated print copy. View, download, or order laminated print copy from NOAA: <http://response.restoration.noaa.gov/oil-and-chemical-spills/oil-spills/resources/shoreline-assessment-job-aid.html> (\$20)
- ❖ **Clipboard with rubber band or clips.** This will be essential when completing forms in the field and the rubber band will be invaluable on a windy day.
- ❖ **Pointy Shovel.** Provided by NOAA/USCG/EPA to each field team during exercises (no cost).
- ❖ **NOAA Photo Scale.** Provided by NOAA to each SCAT course attendee during course (no cost).

Highly Recommended for Field Exercises:

- ❖ **Handheld GPS.** SCAT teams are required to use GPS units during actual events and should use handheld devices during field exercises.
- ❖ **Camera.** SCAT teams use photos to document their findings and photo taking should be practiced during course.
- ❖ **Rite-in-the-Rain SCAT notebook.** Order from manufacturer: <http://www.riteintherain.com/shop-products> or other resource.

Highly Recommended for Reference:

- ❖ **Shoreline Assessment Manual.** NOAA, 2013. Outlines methods for conducting shoreline assessments and using the results to make cleanup decisions. Print copies will be provided by NOAA at the beginning of the course.



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- ❖ **Inland Response Tactics Manual.** USEPA by UMRBA, 2013. Download a printable PDF:
<http://www.rrt5.org/Documents/Habitat/InlandResponseTacticsManual2013.pdf>
- ❖ **Options for Minimizing Environmental Impacts of Inland Spill Response.** API TECHNICAL REPORT 425, OCTOBER 2016. <http://www.oilspillprevention.org/~media/Oil-Spill-Prevention/spillprevention/r-and-d/inland/options-for-minimizing-e20161228t134857.pdf>
- ❖ **Options for Minimizing Environmental Impacts of Freshwater Spill Response.** NOAA, 1994. Download a printable PDF:
http://response.restoration.noaa.gov/sites/default/files/shoreline_countermeasures_freshwater.pdf
- ❖ **Characteristic Coastal Habitats: Choosing Spill Response Alternatives.** NOAA, 2010. Supports decision-making regarding whether and how to remove oil from coastal habitats. Download a printable PDF: <http://response.restoration.noaa.gov/oil-and-chemical-spills/oil-spills/resources/characteristic-coastal-habitats.html>



ENTRANCE

\$3.00 Lot

Civic Center

St. Louis City Center

Clark Ave

Clark Ave

Wheelhouse Downtown

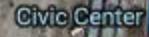
Flying Saucer
Draught Emporium

Stadium

Busch Stadium

St. Louis Cardinals

Paddy O's



40

40

64

39B

40

64

64

40

40

40A

64

S 14th St

Gratiot St

S Tucker Blvd

Gratiot St

Historic U.S. 66

Plum St

S 13th St

S 11th St

S 9th St

S 8th St

Spruce St

Spruce St

S Tucker Blvd

Spruce St

Historic U.S. 66

Clark Ave

Clark Ave

Plum St