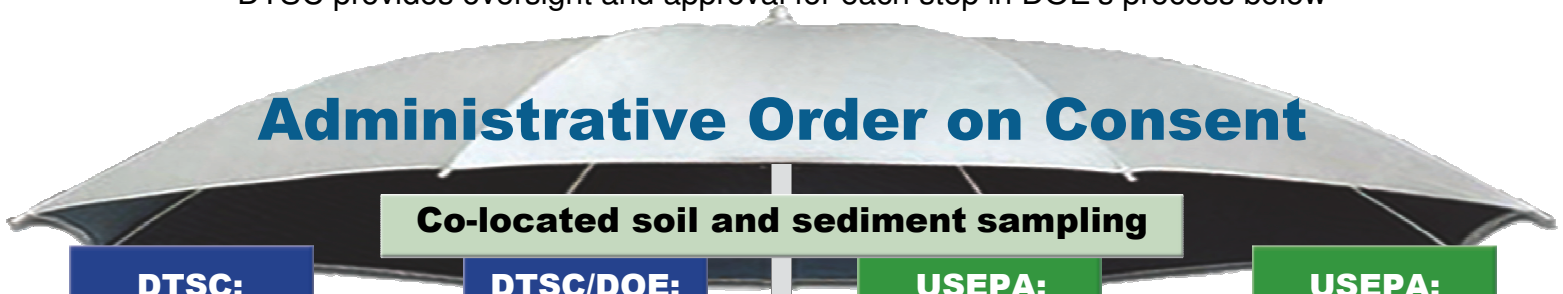
Process for SSFL Area IV Studies Under AOC

DTSC provides oversight and approval for each step in DOE's process below



Co-located soil and sediment sampling

DTSC: Background Chemical Study

DTSC/DOE: Area IV chemical sampling at co-located USEPA sites

USEPA: Area IV Radiological sampling

USEPA: Background Radiological Study

DTSC/DOE
Submit samples to certified laboratory, analyze results, identify potential data gaps, conduct further sampling as necessary, compare results with background, identify remaining chemical contamination at Area IV

USEPA
Submit samples to certified laboratory, analyze results, conduct further sampling as necessary, compare results with background identify remaining radiological contamination at Area IV

Results feed to ***Results feed to***

DTSC/DOE: Develop potential options for cleanup of chemicals and radionuclides

DTSC/DOE: Conduct Treatability Studies as necessary to determine best course of action for site cleanup

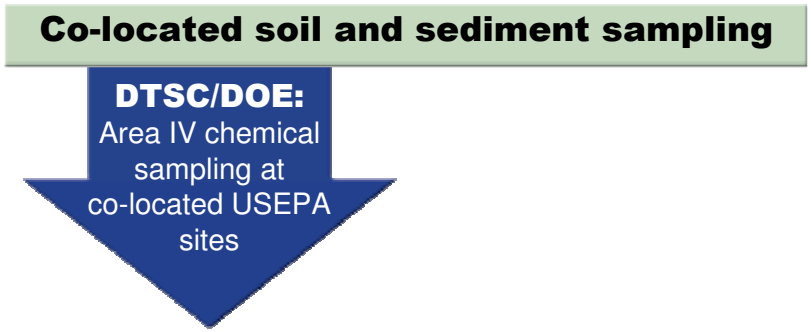
DTSC: Prepare CEQA study **DOE:** Prepare Remedial Action Implementation Plan

DTSC/DOE: Solicit public comment throughout

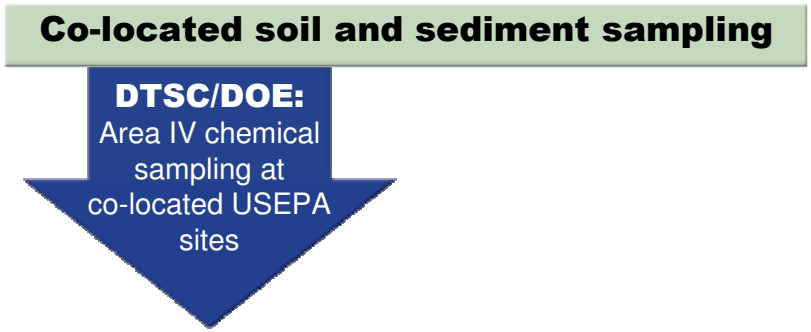
DOE: Complete final cleanup

USEPA: Confirmation testing

DOE: Closure actions by 2017



- Detection limits
  - Cleanup to background translates to very low chemical concentrations
  - A key parameter is the ability of a laboratory to “see” concentrations at those low levels
- Rural residential risk based screening levels (RBSLs) are now available for use in the decision process
  - Laboratories are using RBSLs for targeting MDLs for background and chemical co-located sampling
  - The chemical co-located sampling decision criteria will use RBSLs as one factor for the need to collect additional samples



- Although we are using targeted Method Detection Limits, the question remains what are current reasonable and defensible Method Detection Limits?
- The MDL study will produce validated data to answer this question.
  - Data from labs used for the RFI, the chemical co-located sampling effort, and the MDL study will be used

DTSC/DOE: Develop potential options for cleanup of chemicals and radionuclides

- Getting to lookup values
  - Rural residential RBSLs
  - MDLs
  - MRLs
  - Background results
- Community input will be sought at key points throughout these processes. Technical breakout sessions will be held to carefully ensure that the community is part of the decision-making process