



Mud to Parks

Dredge Material Sampling and Analysis Recommendations for Mud to Parks Program

Applicants for the Mud to Parks Program should submit a site sampling and analysis plan that describes the sampling and analysis methods used at both the dredge site and dredged material placement site, and the results. It should also include a discussion of why this material meets or is likely to meet appropriate health and safety requirements and will not adversely impact the environment.

Decisions involving reuse of dredge material are site dependant, and some projects will require more data and analysis than others. The DNR cannot provide prescriptive instructions on how each applicant will determine that any applicable rules/regulations are being followed, and that human health/safety and/or the environmental will not be adversely impacted.

The applicant's plan at a minimum should include or identify:

- Location of water body, the amount of dredge material (volume and aerial extent), potential for contamination, and depth of dredge cut.
- Historical and existing land uses that may have caused contaminants to enter the sediment. Planned future land uses should also be considered as well as potential impacts to human health/safety and the environment.
- A discussion of how the number and location of samples for the proposed dredge project were determined.
- Proposed plan for management of dredged material.
- Location of placement site, the size of area to receive the material and depth of coverage.
- Explanation for where, how many and what compounds were analyzed in both dredge materials and placement site(s) (where the dredge material will be placed i.e., at least one sample to define background levels). A collection of multiple samples may be necessary to describe the chemical properties of the sediment. The chemical analysis list should include USEPA 's list of Target Compounds at <http://www.epa.gov/superfund/programs/clp/target.htm> or justification for using a different list.
- Sediment physical properties such as agronomic fertility and grain size should be included. If they are not included, please justify.
- Ensure the laboratory conducting sample analysis is certified by the IEPA to perform the required analyses. See IEPA's list of certified labs at <http://www.epa.state.il.us/labs> .
- Description of how the proposed use and management of dredged material will protect the public health and safety and the environment.

***Based on the sampling plan and supporting material the DNR may request additional samples or information*