

Beneficial Reuse of Dredged Materials in the Mid-Atlantic Region: Laboratory Considerations and a Review of Significant Projects

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Background: Beneficial upland reuse of amended dredge has been routine in New Jersey for over 20 years. Over last several years beneficial use of both amended and raw dredge has been gaining regulatory acceptance in New York, and new regulations and guidance have been enacted in New York and other nearby states. Laboratory analysis plays a major role in determining the suitability of dredge materials for these applications.

Approach/Activities. This poster will provide an overview of a significant beneficial reuse project in New York and discuss the highlights of the updated regulations or guidance to the region, and how the current regulations and guidance can be applied. Related topics such as dredge sampling program planning, laboratory coordination, analytical method selection, and dredge materials amendments will also be discussed.

Results/Lessons Learned. The poster will provide an understanding of the processes required to obtain regulatory approval for reuse of project materials, and it will provide advice to decrease the resources required to reach a project end point for dredge reuse and placement. Key considerations for successfully planning the laboratory analytical and sediment amendment task will be presented along with a summary of “do’s and don’ts”. Considerations that have an impact on successful project outcome will be stressed.