

The 2015 Innovation in Governance Awards Program

Contact Information:

Municipality: Wildwood City

Population:

County: Cape May

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City: Wildwood

Zip: 08260

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Project Information

Initiative Title: Wildwood Landfill Closure Initiative

Description: Ocean City Dredge Material Utilized as Cover Soils for Wildwood Landfill

The judges will be looking for successful innovative efforts by a municipality or a partnership among several municipalities or a municipal/county joint effort.

Project Specific Details: *(Please explain your innovation. Include up to 3 supplemental attachments if needed.)*

- How has this initiative successfully met the local needs of your municipality?
- How have the stakeholders benefited & responded to this initiative?
- Are there any measured savings or program improvements?
- Please include whether the innovation is temporary or permanent
- How can this innovation be replicated in other communities across the state?

Please Attach a Supplemental Sheet(s) Noting the Details of Your Initiative.

(Supplemental Attachments NOT to exceed 3 pages)

Application Deadline: Applications must be received no later than Thursday, October 1, 2015. Mail applications to NJLM Innovation in Government 222 West State St., Trenton, NJ 08608 or send by email to JMoran@njslom.org

*If you have any questions, please contact Jon Moran at the League of Municipalities
609-695-3481 ext 121 or JMoran@njslom.org*

Beneficial Use of Bayside Dredge Material for Local Landfill Closure

Project Description:

Ocean City operates Confined Disposal Facility (CFD) No. 83 (Site 83) located within their municipality which currently contains approximately 200,000 cubic yards of previously dredged bayside sediments. Ocean City needs to dispose of this material in order to reopen additional storage space for subsequent bayside maintenance dredging. The Wildwood City landfill closure plan was designed to utilize approximately 140,000 cubic yards of dewatered dredged material from Ocean City as the soil cap portion of the landfill closure design. Wildwood City petitioned the NJDEP for specific approval to import the dredge material from Ocean City to utilize as landfill cap material. Implementing this particular type of project, which involves a landfill within a coastal zone and a separate dredging project, typically requires significant time and effort to secure the required permits and approvals from multiple State and Federal agencies. The NJDEP Land Use Division worked with the City of Wildwood and provided an expedited specific approval for the import of 83,000 yards of the stored dredge material from Site 83 in Ocean City.

Environmental Benefits:

Environmental benefits associated with the integration of sediment disposal needs of Ocean City and the fill requirement for the Wildwood City Landfill site include a reduction in resources, associated equipment emissions, and heavy truck traffic on coastal roads and causeways that would be required to move the Site 83 material to a more distant disposal site. The savings in similar resources and emissions that would be required to bring landfill cap fill into Wildwood City from a more remote location are also realized. The NJDEP Sediment Technology Group has recognized these benefits for some time and has promoted sediment beneficial re-use projects whenever possible, although finding opportunities where the dredge material meets the needs or is suitable for an available receptor site have been limited. Overall this type of beneficial use project can significantly reduce the carbon footprint of a large earthworks project.

Financial Benefits:

Significant cost savings were realized by both municipalities. Ocean City was able to utilize a local destination where the material is put to beneficial use at a significant cost savings and reduced transport costs. The City of Wildwood collects a fee for the import of the dredge material based on the cubic yards delivered, and 100% the fees collected are set aside to offset the costs of the final landfill closure. This

funding for the landfill closure is in addition to the cost savings to the City by the elimination of the need to import fill material from another source.

The benefits realized through this project are permanent, in that the dredge material utilized for the landfill cap has reached its final disposal destination. The future use of the landfill site has not been finalized and several potential re-use options are being evaluated by the City. The landfill capping through the beneficial use of the dredge sediments does not limit the future options for use and/or redevelopment of the site. The initial approval for the import of 83,000 yards of dredge material into the Wildwood Landfill will be increased in the future after the final landfill closure plan is approved and the additional volume of material that can be imported to complete the closure is determined.

The suitability of fine grained bayside dredge materials for fill projects may be limited based on geotechnical demands of the available receiving sites. However, these sediments can be mixed with other available materials such as recycled concrete or other aggregates to create fill suitable for more potential uses.