

INTERIM DREDGE DISPOSAL TASK FORCE

Date: December 8, 2010

ISSUE DATE: December 16, 2010

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Task Force Meeting Minutes

December 8, 2010

Page 2

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M. Frazier	Neighborhood	

+ Not present **Attended by phone

ACTION BY	ITEM	DESCRIPTION
INFO	1.	No comments on the November 3 meeting minutes.
INFO	2a.	Joe Kreitinger reviewed the beneficial uses of dredged material that his report will cover (see Table 1 dated 12/08/2010). The draft is expected to be issued in January 2011. The Table differentiates between short term and long term (beyond 2017). It also summarizes other disposal options that will be covered in the revised DMMP; these are Open Lake Placement and Aquatic Confined Disposal Facilities.
INFO	b.	Three options are listed under beneficial use, they include: Urban/Industrial Reclamation, Aquatic Habitat Restoration, and Construction Materials. Under land reclamation, the four types are: <ol style="list-style-type: none"> 1. daily cover or closure of landfills, 2. redevelopment of industrial/commercial properties,

Task Force Meeting Minutes

December 8, 2010

Page 3

		<p>3. reclaiming vacant properties, and 4. quarry closure.</p>
INFO	c.	<p>Within each type, there is a material handling component where the dredged material would be stockpiled and dried prior to placement. Four sites are being considered for this: a waterfront CDF, an upper river site, the CVIC site, and the Zaclon site. There are two sites being analyzed for final disposition of for landfill cover, the Silver Oaks Landfill and the Harvard Road Landfill.</p>
INFO	d.	<p>Under Redevelopment of Industrial/Commercial Properties, the material handling component would remain the same. For final disposition, the CVIC site is again listed, as well as other properties to be identified.</p>
INFO	e.	<p>Under the vacant property restoration, the report will rely on City and County initiatives as their programs are developed. Whether or not the dredged material meets OEPA's requirements (likely for unrestricted use) will be the determining criteria. This is considered to be more of a long term use due to the time necessary to gather and classify the material.</p>
INFO	f.	<p>Quarries are not currently considered acceptable by OEPA and, therefore, are not currently a viable use.</p>
INFO	g.	<p>Bill Skowronski stated 10B material is too contaminated for open lake disposal; therefore, it's too contaminated to go into a quarry. The material is currently considered to be regulated and requires a permit. If material quality improves, the quarry discussion can be re-opened. For the material is to be used in the production of asphalt or concrete, that can be done without a permit from the OEPA; it's unrestricted for that use. For use as an engineered fill, that's also doable but a permit would be required. If material is pulled from the river and analysis says it's suitable for open lake disposal, OEPA would take another look at the less restricted options. the USACE is currently looking at this through additional sampling they gathered last month.</p>
USACE	h.	<p>Under Beach Nourishment, the USACE is currently evaluating grain size and sediments from samples taken from the river and comparing that to information from Perkins Beach.</p>
PORT	i.	<p>As a construction material, the sediments potentially can be used as a structural fill and, or top soil with OEPA's approval. The suggestion was to contact major projects firms to ascertain offer dredged material as an aggregate and fill material.</p>
INFO	j.	<p>Permits needed: 401 Water Quality Certification from OEPA and Coastal Zone Consistency Authorization from ODNR. ODNR reviews the project to make sure it meets their Coastal Management policies. If there is a beach nourishment project to build a beach, it</p>

Task Force Meeting Minutes

December 8, 2010

Page 4

USACE	k.	<p>requires a shore structure permit.</p> <p>In Joe's report, there will be a ranking of the projects, associated costs, and estimated volumes.</p>
INFO JW	3a. b.	<p>Jim White reported on river sampling model that suggests 60% of the sediments could be captured. Most of the material the USACE removes from the river by the dredging operation is silt and fine sand. During low flow, the material is cleaner and has more potential to be used.</p> <p>Jim has been talking to vendors with dewatering technologies. He's also talking with sand producers to better understand site logistics of a material handling operations. Finally he's had some meetings with the solid waste district to determine the potential to be blended with yard waste.</p>
TASK FORCE	4.	<p>Brooke Furio again stated that there are programs and funding within USEPA that could be applied to help get these projects off the ground. To qualify for funding, the sooner the better to identify a project in which EPA could potentially participate.</p>
INFO	5.	<p>Will Friedman gave an overview of the Strategic Business Plan (see the Port website, "portofcleveland.com" under Presentations). This plan is meant to bring the Port Board and other stakeholders up to a common level of understanding on a range of issues that confront the Port. Currently this remains a planning document and no formal recommendations have been made.</p> <p>The Plan looks at cargo projections of existing commodities both at Cleveland Bulk Terminal and port property east of the Cuyahoga River, as well as potential new opportunities including a container service, ferry service, liquid bulk, and wind energy. In addition, the Port has taken another look at future CDF locations on the lakefront in an attempt to identify a smaller, less costly option and reviewed case studies on funding options elsewhere in the U.S.</p> <p>Will wrapped up the slide show with an overall financial assessment of current Port Authority operations, both Maritime and Development Finance. Despite the downturn in the economy, the Port is still a major part of the regional economy with 10,814 jobs attributed to port operations, \$643 million in personal income, and \$1.4 billion in total economic activity. The Port is financially solid but operating performance must improve.</p> <p>The next steps are to develop future business opportunities and find new ways to generate revenue with current infrastructure without taking on additional operating costs in both the maritime and development finance businesses.</p>
INFO	6.	<p>Subjects for next month include results from the modeling effort of</p>

Task Force Meeting Minutes

December 8, 2010

Page 5

		the bed load transport, project scope for potential USEPA funding. Please forward additional topics to the writer.
INFO	7.	The next meeting for the Task Force will be at 1:30PM on January 12, 2011.

Distribution: Task Force, Attendees

The above covers items discussed in the last Task Force meeting. Any additions or corrections should be forwarded to Skip Jacobsen (skip.jacobsen@portofcleveland.com).

Table 1. Dredged Material Management Options (Draft 12/8/2010)

Placement Option	Specific Activity	Type	Material Handling Site	Final Disposition	Short/Long Term Feasibility	
					Short Term	Long Term
Open-Lake Placement	Open Lake Disposal	Off-Shore Placement Site	N/A	Lake Placement Site		✓
	Island or Littoral Wetland Habitat Creation	Near-Shore Placement	TBD	Near Shore Habitat		✓
Aquatic Confined Disposal Facility (CDF)	Create Capacity in Existing CDFs	Create Capacity in Existing CDFs	N/A	Berm Raising	✓	
				Excavation/Recycling	✓	✓
				CDF 10B Extension	✓	
	Create New CDF	Create New CDF	N/A	New CDF		✓
				New CAD		✓
Beneficial Use	Confined Aquatic Disposal (CAD)	Confined Aquatic Disposal (CAD)	N/A			
	Landfill Use (Daily Cover or Closure)	Landfill Use (Daily Cover or Closure)	<ul style="list-style-type: none"> Waterfront CDF Upper River Site CVIC Site Zaclon Site 	Silver Oaks Landfill Cap and Cover	✓	
				Harvard Rd. Landfill Cover	✓	
				CVIC Fill & Cover ¹	✓	
				Other Prospects	✓	
	Redevelopment Industrial/Commercial Properties	Redevelopment Industrial/Commercial Properties	<ul style="list-style-type: none"> Waterfront CDF Upper River Site¹ CVIC Site Zaclon Site¹ 			
	Reclaim Vacant Properties	Reclaim Vacant Properties	<ul style="list-style-type: none"> Waterfront CDF Upper River Site CVIC Site Zaclon Site 	City/County Vacant Properties		✓
Quarry Closure	Quarry Closure	<ul style="list-style-type: none"> Waterfront CDF Upper River Site¹ CVIC Site Zaclon Site¹ 	Catholic Cemeteries ¹	✓ ²	✓ ²	
			Kelly's Island ¹	✓ ²	✓ ²	
Beach Nourishment	Beach Nourishment	<ul style="list-style-type: none"> Waterfront CDF In-Stream 	Perkins Beach	✓	✓	
Aggregate	Aggregate	<ul style="list-style-type: none"> Waterfront CDF In-Stream 	Concrete, Asphalt, Mortar & Grout	✓	✓	
Fill & Soil	Fill & Soil	<ul style="list-style-type: none"> Waterfront CDF In-Stream 	Structural Fill	✓	✓	
			Top Soil	✓	✓	

Notes: 1. Shaded material handling sites and final disposition options originally identified in preliminary screening
 2. Use of quarry sites is currently not considered acceptable by OEPA

From: "Mike Schneider" <michaels@glc.org>
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CC: "Selegian, James P LRE" <James.P.Selegian@usace.army.mil>
Date: 12/6/2010 4:41 PM
Subject: GLIN==> USACE Sediment Workshop Cleveland January, 2011

Contact: Jim Selegian, 313-226-6791,
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Managing and Understanding Sediments in Your Watershed
Dates: January 11-12, 2011
Location: Northeast Ohio Regional Sewer District, Environmental
and Maintenance Services Center, Cuyahoga Heights, OH

The United States Army Corps of Engineers (ACOE), and the Great Lakes Commission (GLC) are pleased to present a short course on erosion and sedimentation, entitled "Managing and Understanding Sediments in Your Watershed."

Sediment is a leading source of pollution to our waterways, impacting water quality, aquatic habitat, recreational opportunities and aesthetic conditions. This workshop is suitable for professionals responsible for managing sediment in rivers and watersheds. You will learn about where sediment comes from, the impact it has on aquatic resources, sources of sediment, and methods and tools for assessing, monitoring, and managing sediment in your river system.

Please visit www.glc.org/tributary or contact Michael Schneider at the Great Lakes Commission (734-971-9135 or michaels@glc.org) to obtain a registration form and an agenda for the course. A registration fee of \$30 will cover all sessions, breaks, and two lunches. Advance registration is required for the workshop. Space is limited - so please register by Wednesday, January 5, 2011.

This course is made possible by funding under the Great Lakes Tributary Modeling Program, a joint initiative between the U.S. Army Corps of Engineers (Great Lakes Region) and the Great Lakes states. By supporting state and local watershed planning measures that will reduce the loading of sediments and pollutants to tributaries, this work is helping to reduce the need for-and costs of-navigation dredging, while promoting actions to delist Great Lakes Areas of Concern (AOCs).

The above course announcement is being forwarded to you by the Great Lakes Commission as part of the Great Lakes Tributary Modeling Program. The Great Lakes Commission provides technical and administrative support to the Corps of Engineers in the implementation of this important initiative, as directed by Section 516(e) of the Water Resources Development Act of 1996. The Commission helps to facilitate the Corps' coordination with the Great Lakes states and the Great Lakes Basin Program for Soil Erosion and Sediment Control, a U.S. Department of Agriculture grant program for soil conservation that is managed by the Commission.

For more information on this program, visit www.glc.org/tributary or contact:

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