

Southern California Dredged Material Management Team (SC-DMMT)
July 22, 2009
Meeting Notes

I. Participating Agencies* /Attendees:

- a. Jorine Campopiano (EPA)
- b. Jack Gregg[†] (CCC)
- c. Mike Lyons[†] (RWQCB - Region 4)
- d. Allan Ota[†] (EPA)
- e. Ken Wong (USACE – Regulatory)
- f. Larry Smith (USACE – Planning)
- g. Dan Swenson (USACE- Regulatory)
- h. Phuong Trinh (USACE- Regulatory)
- i. Loni Adams[†] (CDFG)
- j. Alfred Mata (City of Los Angeles)
- k. Shokoufia Marashi (City of Los Angeles)
- l. Stephanie Bacht (Parsons)
- m. Brian Murphy (CDM)
- n. Karen Schwartz (CDM)
- o. Harry Finney (Applied Environmental Technologies)
- p. Richard Parsons (Ventura Port District/City of Ventura)

[†] Agency representatives participating via teleconference.

II. Project Review and Determinations¹

A. Machado Lake Dredging draft SAP review

- a. **Discussion:** remediation dredging of Machado Lake (200k cy) and maintenance dredging of a portion of Wilmington Drain (15k cy). Dredge depth 3 ft. + 1 ft. overdepth. Dewater back into Machado Lake. Disposal options: uplands, open water, beneficial reuse around Machado Lake. Applicant plans to start sampling by August. May need to approve revised SAP before August DMMT meeting.

b. Determination:

- incorporate data from Ninyo & Moore (2008) sampling results as an attachment
- Indicate “open water” disposal explicitly in SAP.
- show sampling locations relative to outfall locations (overlay storm drain outfalls from Fig. 1 onto Fig. 4.)

* Participating agencies are composed of (1) core members that have permitting authority over dredging-related projects; (2) stakeholder agencies such California State Lands Commission, U.S. Fish and Wildlife Service, California Department of Fish and Game, and National Marine Fisheries Service.

[†] Agency representatives participating via teleconference.

¹Decisions of the CCC are partly based on recommendations provided by its staff. Therefore, DMMT determinations reflect the views of the CCC staff but not necessarily of the CCC.

- Analysis of strata C & D not required for suitability determination. Analysis of strata A (dredge depth) & B (overdepth) sufficient.
- Fig. 5 - add 1 additional sampling point at the confluence of Wilmington Drain & the concrete tributary to Wilmington Drain.
- Fig. 5 – add 1 additional sampling point upstream of the Lomita Ave. bridge where approximately 1,000 cy of material will be dredged for debris rack installation.
- Overlay existing and proposed bathymetry
- show exact boundary of dredging footprint

B. Ventura Harbor & Ventura Keys: Suitability determination for discharge of dredged material in nearshore environment.

- a. **Discussion:** Examined aerial photographs of discharge points. Applicant's dredged material discharged at mouth of Santa Clara River (Sect. 404) and in the nearshore (Sect. 404 & Sect. 103). Applicant discharged in nearshore twice since 1984. Applicability of 103 in nearshore discharges depends on purpose of discharge (beach nourishment or ocean disposal). Discussed how to best define discharge purpose.
- b. **Determination:**
 - Discussion to be continued at next DMMT. EPA to check with their office of counsel. Corps to examine RGL 06-02.

C. Bahia Marina: elutriate testing for discharge of return water

- a. **Discussion:** per July 24, 2009 DMMT meeting, applicant asked to submit (1) volume of elutriate to be discharged; (2) location and layout of discharge points; and (3) turbidity and chemistry data from other projects where the Genesis system was utilized. Applicant does not have (3). Proposes to conduct a pilot study replicating the Genesis system process to generate data. Study would analyze concentrations of metals, pesticides, and turbidity before and after treatment per EPA methods 1640, 625, & 8270C. DMMT would make suitability determination based on results.
- b. **Determinations:**
 - DMMT will make suitability determination based on pilot study data.
 - Testing of constituents in Attachment A sufficient for suitability determination. In addition to Attachment A applicant to include results for mercury, turbidity, suspended solids and settleable solids.

II. Agency only discussion

A. Draft Operating Principles

- Edits received from CSTF members reviewed, discussed and edited. Dan Swenson to incorporate DMMT's latest edits, and recirculate to CSTF members for comments.
- Participation of interested parties in DMMT meetings discussed. EPA supports such participation. Corps supports limiting DMMT meetings to members only. Per draft operating principles, DMMT will revisit the issue of public participation during October, 2009 meeting.

Attachment A - Bahia Marina testing constituents

Seawater Matrix	Method
Total Trace Metals in Seawater Analysis by EPA 1640	
Dissolved Trace Metals in Seawater Analysis by EPA 1640	
Total & Dissolved Trace Metals in Seawater Analysis by EPA 1640	
Aluminum (Al)	EPA 1640
Antimony (Sb)	EPA 1640
Arsenic (As)	EPA 1640
Beryllium (Be)	EPA 1640
Cadmium (Cd)	EPA 1640
Chromium (Cr)	EPA 1640
Cobalt (Co)	EPA 1640
Copper (Cu)	EPA 1640
Iron (Fe)	EPA 1640
Lead (Pb)	EPA 1640
Manganese (Mn)	EPA 1640
Molybdenum (Mo)	EPA 1640
Nickel (Ni)	EPA 1640
Selenium (Se)	EPA 1640
Silver (Ag)	EPA 1640
Thallium (Tl)	EPA 1640
Tin (Sn)	EPA 1640
Titanium (Ti)	EPA 1640
Vanadium (V)	EPA 1640
Zinc (Zn)	EPA 1640

Attachment A - Bahia Marina testing constituents

Semi-Volatile Organic Compounds in Water Analysis	EPA 625(m)/8270C(m)
Polynuclear Aromatic Hydrocarbons in Water Analysis	EPA 625(m)/8270C(m)
1-Methylnaphthalene	EPA 625(m)/8270C(m)
1-Methylphenanthrene	EPA 625(m)/8270C(m)
2,3,5-Trimethylnaphthalene	EPA 625(m)/8270C(m)
2,6-Dimethylnaphthalene	EPA 625(m)/8270C(m)
2-Methylnaphthalene	EPA 625(m)/8270C(m)
Acenaphthene	EPA 625(m)/8270C(m)
Acenaphthylene	EPA 625(m)/8270C(m)
Anthracene	EPA 625(m)/8270C(m)
Benz[a]anthracene	EPA 625(m)/8270C(m)
Benzo[a]pyrene	EPA 625(m)/8270C(m)
Benzo[b]fluoranthene	EPA 625(m)/8270C(m)
Benzo[e]pyrene	EPA 625(m)/8270C(m)
Benzo[g,h,i]perylene	EPA 625(m)/8270C(m)
Benzo[k]fluoranthene	EPA 625(m)/8270C(m)
Biphenyl	EPA 625(m)/8270C(m)
Chrysene	EPA 625(m)/8270C(m)
Dibenz[a,h]anthracene	EPA 625(m)/8270C(m)
Dibenzothiophene	EPA 625(m)/8270C(m)
Fluoranthene	EPA 625(m)/8270C(m)
Fluorene	EPA 625(m)/8270C(m)
Indeno[1,2,3-c,d]pyrene	EPA 625(m)/8270C(m)
Naphthalene	EPA 625(m)/8270C(m)
Perylene	EPA 625(m)/8270C(m)
Phenanthrene	EPA 625(m)/8270C(m)
Pyrene	EPA 625(m)/8270C(m)
Phthalates in Water Analysis	EPA 625(m)/8270C(m)
bis(2-Ethylhexyl) Phthalate	EPA 625(m)/8270C(m)
Butylbenzyl Phthalate	EPA 625(m)/8270C(m)
Dibutyl Phthalate	EPA 625(m)/8270C(m)
Diethyl Phthalate	EPA 625(m)/8270C(m)
Dimethyl Phthalate	EPA 625(m)/8270C(m)
Di-n-octyl Phthalate	EPA 625(m)/8270C(m)
Acid Extractable Compounds in Water Analysis	EPA 625(m)/8270C(m)
2,4,6-Trichlorophenol	EPA 625(m)/8270C(m)
2,4-Dichlorophenol	EPA 625(m)/8270C(m)
2,4-Dimethylphenol	EPA 625(m)/8270C(m)
2,4-Dinitrophenol	EPA 625(m)/8270C(m)
2-Chlorophenol	EPA 625(m)/8270C(m)
2-Methyl-4,6-dinitrophenol	EPA 625(m)/8270C(m)
2-Nitrophenol	EPA 625(m)/8270C(m)
4-Chloro-3-methylphenol	EPA 625(m)/8270C(m)
4-Nitrophenol	EPA 625(m)/8270C(m)
Pentachlorophenol	EPA 625(m)/8270C(m)
Phenol	EPA 625(m)/8270C(m)
Organochlorine Pesticides & PCBs in Water Analysis	
4,4'-DDD	EPA 625(m)/8270C(m)
2,4'-DDD	EPA 625(m)/8270C(m)
2,4'-DDE	EPA 625(m)/8270C(m)

Attachment A - Bahia Marina testing constituents

2,4'-DDT	EPA 625(m)/8270C(m)
4,4'-DDE	EPA 625(m)/8270C(m)
4,4'-DDT	EPA 625(m)/8270C(m)
Aldrin	EPA 625(m)/8270C(m)
BHC-alpha	EPA 625(m)/8270C(m)
BHC-beta	EPA 625(m)/8270C(m)
BHC-delta	EPA 625(m)/8270C(m)
BHC-gamma	EPA 625(m)/8270C(m)
Chlordane-alpha	EPA 625(m)/8270C(m)
Chlordane-gamma	EPA 625(m)/8270C(m)
cis-Nonachlor	EPA 625(m)/8270C(m)
Dieldrin	EPA 625(m)/8270C(m)
Endosulfan Sulfate	EPA 625(m)/8270C(m)
Endosulfan-I	EPA 625(m)/8270C(m)
Endosulfan-II	EPA 625(m)/8270C(m)
Endrin	EPA 625(m)/8270C(m)
Endrin Ketone	EPA 625(m)/8270C(m)
Heptachlor	EPA 625(m)/8270C(m)
Heptachlor Epoxide	EPA 625(m)/8270C(m)
Methoxychlor	EPA 625(m)/8270C(m)
Mirex	EPA 625(m)/8270C(m)
Oxychlordane	EPA 625(m)/8270C(m)
trans-Nonachlor	EPA 625(m)/8270C(m)
Aroclor PCBs in Water Analysis	EPA 625(m)/8270C(m)
Aroclor 1016	EPA 625(m)/8270C(m)
Aroclor 1221	EPA 625(m)/8270C(m)
Aroclor 1232	EPA 625(m)/8270C(m)
Aroclor 1242	EPA 625(m)/8270C(m)
Aroclor 1248	EPA 625(m)/8270C(m)
Aroclor 1254	EPA 625(m)/8270C(m)
Aroclor 1260	EPA 625(m)/8270C(m)