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SDMS DocID 517942

6/28/11 NBH - South Terminal

1) the shellfish relay dispute
Gary - understand the need to address the various concerns

2) Sediments
Jay - always a possibility wd need more CAD cell capacity
Didn't have enough data until recently to estimate sand vs mud + potential contam.
The subtidal zone - has sig. thickness of mud, w/ deeper layers of contam. sediment. Thought wd be sand underneath but it's mud. The total volume of mud will be > than 10-15% in the CDF
Also the loading requirements have gone up which limits % of mud that can go there even when healed w/ concrete
Excess of contamin. muddy material compared can be put behind the wall.
CAD cell is most cost effective
only other option is upland disposal
Not SF levels of contamination
Not suitable for ocean disposal due to PCBs
Chief - the top 3 ft too contam for ODS; the lower layers cd qualify for ocean disposal he thinks

Surficial samples 2-7 ppm (1-2') ; second foot down - 5-20 ppm ; below that low (very) sample in sand itself - nondetect
Thickness → higher proportion being fine grained material wd be very difficult to treat that amt of material on site, incl. stormwater issues, so better to dispose of in CAD cell.
He'll separately send the boring data

All data < 50. Highest in the 20's
Mud is thicker in the northern maintenance area compared to southern
~100,000 cu yds wd need to be disposed of in the CAD

The wall - they've decided to go w/ a coffer dam

→ The state very much wants to anticipate the industry and develop the terminal in a way to support many future installations

They'll evaluate whether can mix cement + lime w/ some of the muddy material to fill in the coffer dams

Most standard terminals - cranes rated 40-50 tons
Here designing to transport 250 tons 1000-1300 ton crane rotor 100 tons; nacelle 150 tones - assembled + lifted together. Need heavy crane plus counterweight

Very little cumulative operations in the US. Need to use crawler cranes - only 2 kinds avail. in US

Looking to reduce fill to reduce both impacts + costs
Edge of the coffer dam will be set back a bit + some solid fill will now be piles (under the "fender")

500 psf - 1000 psf - typical marine terminal
Siemens est. 4000 psf
Apex later research - 4000-5000 psf

CAD cell must be constructed in dredged materials mgt area - "prevetted" for the whole area - archeological, NEPA, EFH, etc. 2001 - CZM office
CAD #2 - const. 2009 - not full yet, space is for accepting top of next CAD cell. SER process has been utilizing that area for all the navigational dredging

EPB is going to have a CAD cell in same area. Apex will design it. May be separate or may be joint

There was CAD cell 3 for phase IV dredging but no money for it. But now need CAD cell 3 for disposal of ST material and there is money for that - Jay says that's what Apex is being told There's contingency funding set aside that wd be tapped

AGH marine - Corps permitted the dredging but didn't deal w/ the dredged material - relied solely on that material being handled under the SER

NHPA consultation -
Gary - Mass met w/ Wampanoags. Thought

it was very productive.
~1 month later Bettina requested urgent follow up mtg b/c she learned about Cape Wind angle
Gary assumed that info was already in the public domain.
Tribe has been "too busy" to meet w/ State.
Lois is trying to set up the mtg
Lois thinks the technical concerns have been adequately addressed

Some slight adjustments to the bulkhead to address the paleosol - they should reflect that in their update of the application

Shellfish

Fishery folks (?) - want reseeding + relaying into area where Recreational & Commercial fishing isn't allowed.
EPA std - not able to be harvested for consumption
Fish + Game - want to be able to capture by commercial fisherman - relies on FDA #s after a couple years of depuration and New Bedford fishermen

Matt - relaying to areas not accessible to harvesting but able to do seeding, w/in area 1 of the harbor, is what we want. Our info is that PCB contaminated shellfish don't depurate. These studies we rely on are more recent than what Fish + Game is relying on

Elaine -
Mass DPH also wrote letter in 2007 opposing (or recommending against) relaying

Gary -
reminds that it's important to state to get a decision
BSAP
Wd also like to pin down a schedule that wd lead to a hearing date - wd like this worked out next week