Elaine Jackie Paul Chet
Phil Ann Gary
Ralph Mike Jay

RETURN TO SER AR INDEX

5/31/12 NBH-ST meeting

- Phil - Shellfish mitigation. Submission has 3 options. We need to come to closure. MDEG MDMF needs to reach a decision + let us know what they plan
Gary - They understand our position. But they gave options to set the stage for us to decide. There's enough in application for the call to be made by EPA.
Phil - 2 paths are viable - reseeding outside barrier or relaying inside the barrier
Elaine - There are certain ST restrictions in relaying outside the barrier
Phil - conceptually either of 2 options would be acceptable depending on the details.
Gary will circle back to F+G + then get back to us..

map of fed. channel dredging
CAD 2 - will receive top contam. excavate from CAD 3 borrow pit, CAD 1 - will be topped w/ CAD 3 excavate
They're not positive they'll need to dredge fed. channel - current antic. vessel won't require dredging, but that could change None will draft more than 27-28'
Design vessel right now is 23½. Bec of the potential, we'll go ahead to consider it now. Worst case will be dredge to 31' (30 + 1' overdredge).

The submission calculates ~~the~~ to the bottom of the 1' overdredge, w/ 1:3 side slopes

Project sequencing - see handout const. schedule & and draft plans

SDMS DocID 517947

w/ connecting arcs

Bulkhead

drive down to ~~[illegible]~~ bedrock

interlocking sheet circles, filled w/ geotech. stable material from bottom of dredge area.

They don't antic. having weep holes on the water side. There will be on the land side ~~[illegible]~~ in case there's excessive rain (?), not GW (b/c will be above the GW)

wall near the paleosol will be traditional bulkhead

pile supported concrete ~~[illegible]~~ relieving platform to protect the vulnerable parts of the coffer dam

under cantilevered apron, will be concrete placed (rip rap) on the bottom. They need to better describe impacts: area will still be dredged, bottom will be covered w/ concrete + rip rap, the platform will ~~[illegible]~~ shade the water column, plus impacts from boat traffic.

4.06 + .67 = 4.73 .67 uc

5.67 + .67 = 6.34

Sequencing - generic schedule

21 mos. of work, last 8-9 mos not in the water

~13 mos of in water work

start of work -

Const. CAD 3 first

remove top, place in CAD 2

bottom - permits for offshore disposal; some associated w/ winter flounder mitigation

both Corps permits can be used - up to the K'er

disposal in CAD 3 - top of dredged footprint, material from n+s mooring areas + Gifford St. channel realignment

there's a 30' buffer around CAD 3 - it ~~[illegible]~~ would be cleared during construction

Next - top of dredge material gets removed + put in CAD 3

Next - intermediate dredge - not good for facility

[height caps due to navigation + habitat]
but good to cap CAD1, borrow pit, & for WF mitigation

This will provide enough depth for Kier to get in the equipment to ~~get sheets~~ install coffer cells in [sheet pile will need to first be placed to protect paleosol.]

They currently require silt curtains during all dredging activities during the sensitive winter period

Ralph - ~~AFS~~ NMFS has listed Atlantic Sturgeon. Also has to make the call by Aug 5 as to whether to "call" for listing ~~list~~ River Herring (alewife & blueback); may lead to more pressure on TOY restrictions

This was the process w/ Bedford Street dredging before. W/ CAD2 - They put silt ~~cur~~ curtain around the whole area. This may also happen with the entire

Mike - they're ~~po~~ proposing to do dredging w/in TOY restrictions

Jay - the SF activities have not adhered to the TOY restrictions; ditto for SER activities. So silt curtains have been required. Phase 3 - a lot of the dredging happened during TOY restricted time frame; also a portion of Phase 2.

Cindy - no - SF dredging doesn't occur in the fish windows. But on state lead projects, state makes the call w/ input from resource agencies.

Jay - will also be a lot of monitoring, esp. when in the TOY window. Story performance stds.

Site prep - some upland work will be occurring while dredging occurs, also excavation & disposal of contam. material

If there is any early dewatering will be placed in existing and next to water, w/ erosion & sedimentation controls

dredged material (sand) will be dewatered on land - in pla
But anything that will be placed below mean high water will be placed w/out dewatering

- cellular cofferdam work - a lot of lead time, but installations after intermediate is dredged

dredge bottom - material will be placed in + then behind cellular cofferdams
bottom material wd also be used at Dartmouth Finishing parcel, cap OU-3, cap SW swale, mitig, finish cap WF mitigation

The whole "main" parcel where big cranes will be (~ (2-15 ac); other parcels - DF, GS ramp, blade storage areas
So the "main" parcel wd be excavated down to MHW, + then the material will be added (for support/stabili

The excavation - has to be evaluated under both TSCA + MCP. There will have to be activity + use limitation. 3 feet of fill on top
Cindy asks about the lead that fails TCLP -
Kim - need to go back + make sure remaining levels will meet MCP

Stup it + Stockpile to eval. for reuse.

Scrape off the material to be able to check the load bearing capacity underneath. Then the material will be placed back on after removing "debris" (wd be supposed offsite) Any hazardous material wd have to be removed offsite or treated (eg., lead)

air monitoring for PCBs - Jay says they thought EPA would be identifying type + frequency

Coffer dam placement

much of the sandy material can be dewatered on the dredge barge

after coffer dam filled, then placement of pilings, concrete cap, utility lines, etc.

dense graded aggregate

Capping w/ 3 foot. crushed stone layer w/ fines + sand will drain but also will have stormwater drainage trenches w/ crushed stone & geotextile materials b/c DGA has lower permeability than pure crushed stone

will be vessel pump out septic tank, wh will be metered into NB WWTF

rock removal - fractured rock that needs to be removed for dredging & coffer dam placement.

Possibility of blasting - most of team doesn't think will happen.

Mike says there are typically 10y restrictions on blasting

Cindy, Mike, Ann -

Need to have at least some sort of assessment - don't have to commit to blasting, but as worst case, need to do some assessment so we can eval + public can comment

Gary will circle back to GEC.

Conversations w/ City - bulkhead plan is constructed w/ 600' deep draft w/ alternative of going to 700' deep draft

City wants options to pursue

Short sea shipping - doesn't exist right now. Would get ~~ships~~ trucks off I-95, lower carbon emissions. NB really wants this for NE

Vessels in SSS - don't exist yet. But corollary ships in other contexts - maybe > 500' long - would have to dredge deeper longer. State says will install sheet pile to accommodate, but won't dredge in anticipation of a speculative eventual project

They've provided more info on SSS w/ this ~~of~~ submission ~~that~~ than previously (?)

The City plans to ~~get~~ seek grant to do the additional dredging. Anticipates these sorts of ships might come on line

~~[illegible]~~ 250' or 300'

(~2/3 ac) .68 ac ~ 100' x ~~[illegible]~~ area that wd go from -14' to -32 - wd affect WF spawning habitat

how forseeable would this impact be?

City might give the state the money + have the state do the

* This should be included - and prob. need equivalent mitigation. Talk to Phil

Qs we sent - responses ASAP
draft plans - ASAP
diagram of project site
sample results map
~~[illegible]~~

Timing -
start date of Sept/Oct 2012.
Completion date - July 2014

Cape wind dates (which CW provided) -
foundations of ~~turbines~~ towers - ~~& construct~~
staging ~~somewhere~~ starting Jan 2014 so can construct foundations
spring 2014
receipt of nacelles & bee fabrication
process Nov 2014 - everything at terminal has to be completely done

* This is the critical date

4:00 next Thursday

The staging of foundations is new - before they were going

They need the facility for the tops; they'd like the facility for early storage of foundations - Mass is making no promises!

NSTAR - CW has to commence const. no later than Jan (or Dec) 1, 2015

28 acres - privately owned parcels still under negotiations

in one year need to put up tower, nacelles, + blades

* Jay - industry standard - get everything built in one year, a lot of lay down area w/ narrow ocean const. time frames

Paul asks Qs about dredging timing

12-14 mos dredging; hopefully would hit only 1 winter/spring season

1.5-2 mos process to post project + having bidding process - KCW review of docs, bid conference -

Not sure yet if they'd consider going to bid w/out a final decision. Certainly no K wd be let before final det. (altho maybe conditional K - e.g. contingent on receipt of final decision)