NBH

10/14/10 mtg w/ Apex

Ellen W
Cindy C
Dave D

Kim
AW
Olga G

Chet Myers
Jay Bookland

RETURN TO SER AR INDEX

Meeting to discuss Sampling

Jay - They want our input on what programs to address thru sampling

- marine sediments - potential for contam. excavate & dispose in CDF or CAD
  - from dredging & from CAD upper layer
- glacial fluvial sediment (parent material)
- CDF area - fill on top of intertidal & subtidal areas

will be doing seismic studies to get rippability quotient

subtidal - ocean bottom; existing marine sediments - organic silts but not as muddy as north of Rt 6 mix of fine sands & silts. PCBs but not as high as above Cogshall St Not sure whether will strip off material & mix w/ other stuff in CDF or CAD

intertidal - more sandy
upland - will be covered w/ some thickness of material

In 1930s, used to be manu. facility (textile) Foundations still there

As part of engineering aspects - some GPR to determine any latent voids or other physical features left behind

Site assessment at 21E area -

Kim - Last time we talked Apex was going to develop something for our consideration

Jay - GW - not sure if GW assessment needs to be done. Modflow

Chet - they thought all interested agencies/offices wd be represented so they cd find out everyone's concerns and then develop a plan

SDMS DocID 517951

Kim · GW monitoring of upland site to be sure no migration of contamination off site

Std Phase I / Phase 2 site assessment - review history, remote sensing, drilling test borings, getting some GW monitoring. They'd hire ESP

Kim - again we'd like to see a recommended sampling plan

Ellen - scope of sampling?
Jay - volatiles, PAHs, metals, PCBs

Some material in place now may be left in CDF & some may come out. From geotechnical stdpt, it may be appropriate to leave in place

Matt - we want to know what's in the area to be filled ~~to~~ in light of the state's claim that the area isn't ecologically valuable (that it's contaminated, impaired, & a net contributor of pollutants.

Olga suggests taking gross samples & then based on results expand outward to look for trends

Ellen - confirms importance of getting GW samples
Dave - wd be good if wells cd be preserved for future monitoring post construction (may or may not be possible)
Ellen - also upland soil sampling?
Jay - yes
Ellen - important to know contamination of upper surficial soil. Either crushed stone

Jay says there may be a parking lot on the site, maybe down at the currently paved area
They may be leaving existing building on site
~~Wh~~

Ellen - what kind of contaminants cd get into SW?

looking at modified vertical assembly - not full vertical assembly, to take out on skips. A portion of the tower wd not be fixed

I point to sections (BMPs) in Sept - submission indicating various materials to be stored on site that cd contaminate SW - we need to understand better what will occur

Jay - need to know better what operations will be that cd contaminate
I indicate construction as well as operation
Some discussion of holding SW on site for certain size storm - Not sure what size, not sure if will just run out the weep holes

Jay -
Dredging -
org. sediment
parent material
segregation in past activities - get good char of where the break point is They use the Corps methodology - Phase 3 CAD cells
Cd do something similar in dredge footprint to be able to differentiate bet 2 types of material. If there additional concerns about the contam. sediment, cd do more refined testing We may want more aggressive testing if will go into CDF rather than CAD (based on geotechnical suitability) They may do worst case
Frequency + what to test for

Qs to be answered -
1) if stuff is put in CDF, what wd be the GW flux coming out of the CDF - what wd be contaminant levels
2) during dredging what wd become avail. to biota as a result of release to water column
Kim - can't overlay sediments to average out results for PCBs Has to be representative sampling so there's confidence that inappropriate PCB levels aren't missed
1 sample by every 100'x100' area ~ 70 samples

Combination of logistics, geotechnical usability, & cost → decision how much organic material goes into the CDF

Matt - what to sample for re watercolumn effects

Jay - 3 kinds of sampling they've done in the past
"record keeping" sampling
standard analyte train that matches 401 WQ tests
~~For dredging projects in past~~ -
1 out of 4 samples wd be sufficient for sampling for water column effects (samples for TSCA in 100' grid)

Q ask Q about what kind of textile manufacturing occurred & whether that shd prompt a particular pollutant to be tested for vs. what they normally would test for
They'll propose something for our consideration

In CDF area - do same type of sampling

No need to do as much sampling of parent material - maybe just 10% or so of samples - focus on the areas where highest concentrations are in the upper layers

RCRA concern - Cindy noted need to confirm
A few samples of "T-clip"; the "20 times rule"
~~wd dec~~

There may be some parking & building kept on the northern parcel? Chet & Jay seem to be giving contradictory messages
Chet clarifies the current version is the building will stay but not the pavement & no parking.

They'll try to get proposed plan to us mid week next week