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Subject: Meeting w/ Resna re: SubPlan 1

By: \_\_\_\_\_ Date: 11/15/91 Sheet: \_\_\_\_\_

OR: CONCRETE ENCAPSULATION

OR: REMOVE top 2"  $\uparrow$  + resample

① mitigation plan - soil conc. - 1000 ppb UCL

target concentration for remediation

same # of samples w/ same stratification

They propose soil mixing  $\rightarrow$

- submit workplan incl. site safety plan

- sampling plan

② Have recalculated using new EPA manual

③ child exposure has been calculated

④ New calculations done

⑤ new calc.

\* side issues - is Trident workshop on NW corner?

Ravi will contact DHS about similar Ala Co sites -

Resna will provide documents showing similar encaps.

Scheme (in Ala Co?) w/ DHS acceptance?

Ravi suggested cost benefit analysis for both methods

Mahdulla asked for Ravi's review of her figures



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Points of Concern: 1986

① 1986 vs 1989 EPA Manual - (DHS memo)  
DHS Guidelines

Risk Assessment  
Guidance for Superfund  
Human Health Eval.  
Manual - Part A

$$COT = \frac{VCL \times \text{intake} \times \text{exp rate}}{BW \times 70}$$

- EPA + DHS - do not allow for using half life values  
ever 70 years

DHS would require use of VCL w/out assuming degradation

RA vs RM

1-18" sampling data is used, not 2 1/2" - don't avg.

(2 VCLs)  
↓  
elim. lowest  
vs. stratification  
mean

Child's body weight vs. Child's = 15

200 mg / day intake

10% absorption vs 100% ingestion - all eaten is absorbed

full 2 Acre for inhalation

$$\frac{VCL}{\text{Total Risk}} = \frac{SPL}{10^{-6}}$$