GENERAL ELECTRIC COMPANY
HUDSON RIVER PCB SUPERFUND SITE
PRELIMINARY DESIGN REPORT

FINAL CANDIDATE SITES
BEING EVALUATED BY USEPA

REFERENCE:
NOTES:
1. These are conceptual layouts and are not meant to represent all possible combinations.
2. Certain sections of silt curtain may be temporarily removed to allow vessel access.
Sheetpile wall control for near shoreline dredge area.

Sheetpile wall control for near shoreline dredge area near sensitive structure (as needed).

Sheetpile wall control utilizing air curtain to provide access for vessels.

Sheetpile wall control for mid-river dredge area with silt curtain for gate protection.

Partial sheetpile wall control utilizing silt curtains for mid-river dredge area. Silt curtain may be removed to allow vessel access.

Sheetpile wall control with internal silt curtains to separate work areas and allow area access protection.

NOTES:
1. These are conceptual layouts and are not meant to represent all possible combinations.
2. Certain sections of silt curtain may be temporarily removed to allow vessel access.
NOTE:
Curtain will ride up and down as the water level changes.
This Conceptual Process Flow is preliminary and will be modified, as appropriate, as the design progresses.
Disposal or Beneficial Use (See Final T&D)

Coarse Solids Staging & Testing

Solidified Cake Staging & Testing

Filter Cake Staging & Testing

Load to Barge, Truck, or Rail

Material Acceptable for Beneficial Use

FIGURE 8-3

PROCESS FLOW SCHEMATIC
HYDRAULIC DREDGING - 5DAYS/WEEK

KEY:

= Sampling and Analysis

= Water Transport

= Alternative Route

= Primary Route

= NA

NOTE:

This Conceptual Process Flow is preliminary and will be modified, as appropriate, as the design progresses.
NOTE:
1. DREDGING RATE IS 4000 CY/DAY IN-PLACE SEDIMENT.
2. PROCESSED SEDIMENT IS 6600 TONS/DAY.
3. CIVIL AND STRUCTURAL FEATURES ARE NOT SHOWN.
4. UTILITIES ARE NOT SHOWN.

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- MECHANICAL DREDGING -
5 DAYS/WEEK

FIGURE 8-5
NOTE:
1. DREDGING RATE IS 3000 CY/DAY IN-SITU SEDIMENT.
2. PROCESSED SEDIMENT IS 4700 TONS/ DAY.
3. CIVIL AND STRUCTURAL FEATURES ARE NOT SHOWN.
4. UTILITIES ARE NOT SHOWN.
NOTE:
1. DREDGING RATE IS 4000 CY/DAY IN-SITU SEDIMENT.
2. PROCESSED SEDIMENT IS 6300 TONS/DAY.
3. CIVIL AND STRUCTURAL FEATURES ARE NOT SHOWN.
4. UTILITIES ARE NOT SHOWN.

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GENERIE PROCESSING FACILITY LAYOUT
- HYDRAULIC DREDGING -
5 DAYS/WEEK

FIGURE 8-7
**NOTE:**
1. DREDGING RATE IS 3000 CY/DAY IN-SITU SEDIMENT.
2. PROCESSED SEDIMENT IS 4500 TONS/DAY.
3. CIVIL AND STRUCTURAL FEATURES ARE NOT SHOWN.
4. UTILITIES ARE NOT SHOWN.