



**Savannah River
Remediation**

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H-Tank Farm NDAA Section 3116 Draft Basis Document Public Presentation (General Information)



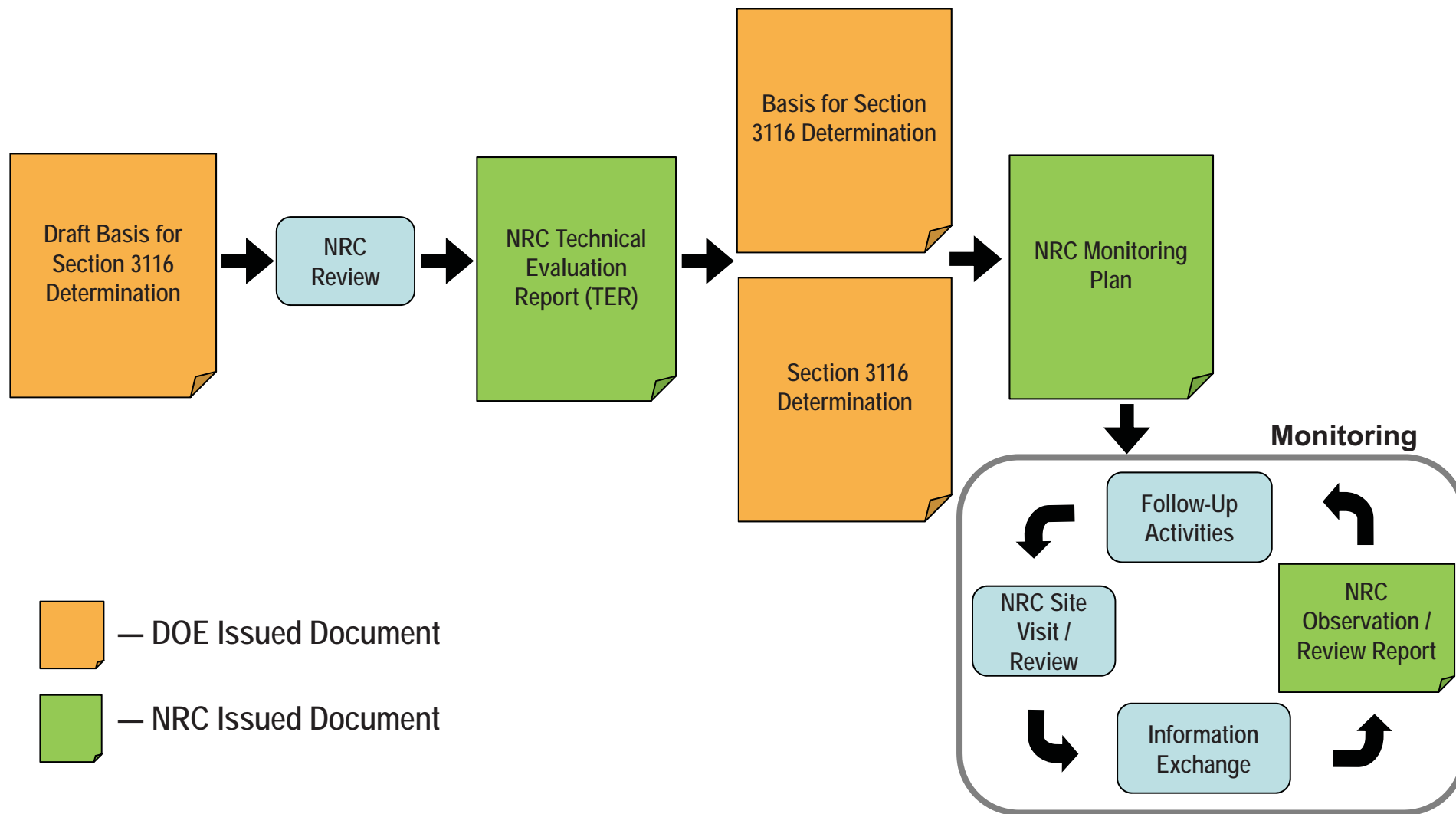
**Steve Thomas
Savannah River Remediation LLC
Closure & Waste Disposal Authority**

March 14, 2013

SRR-CWDA-2013-00043

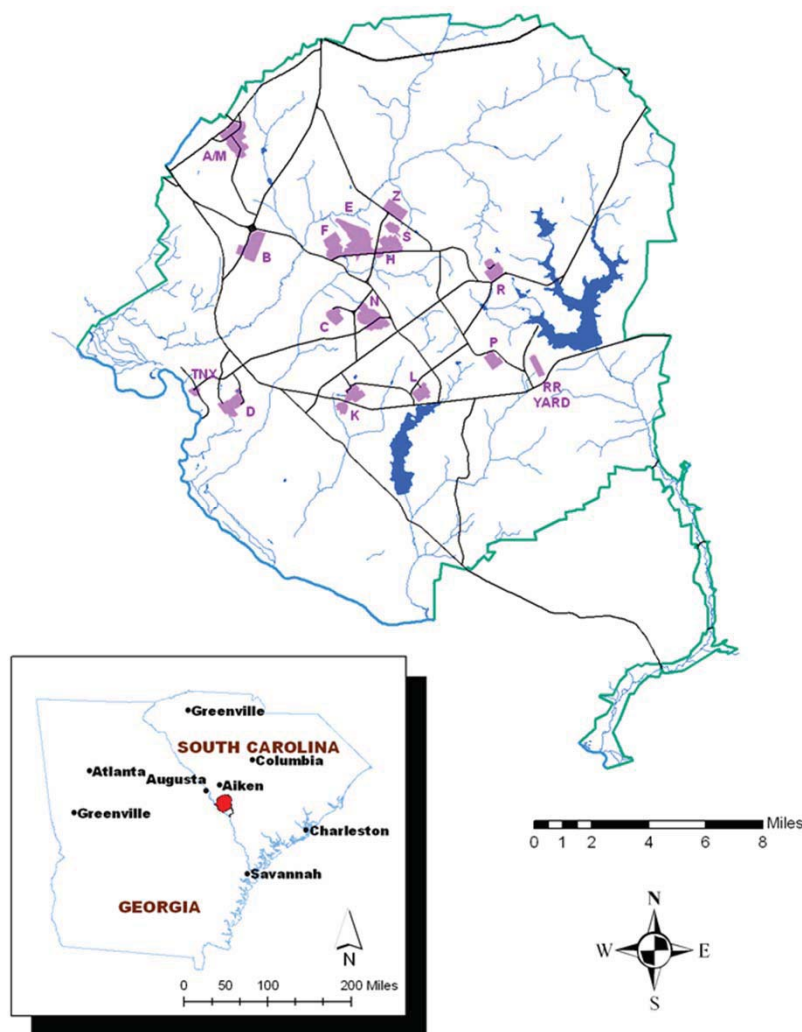
Basis Document Development

We do the right thing.



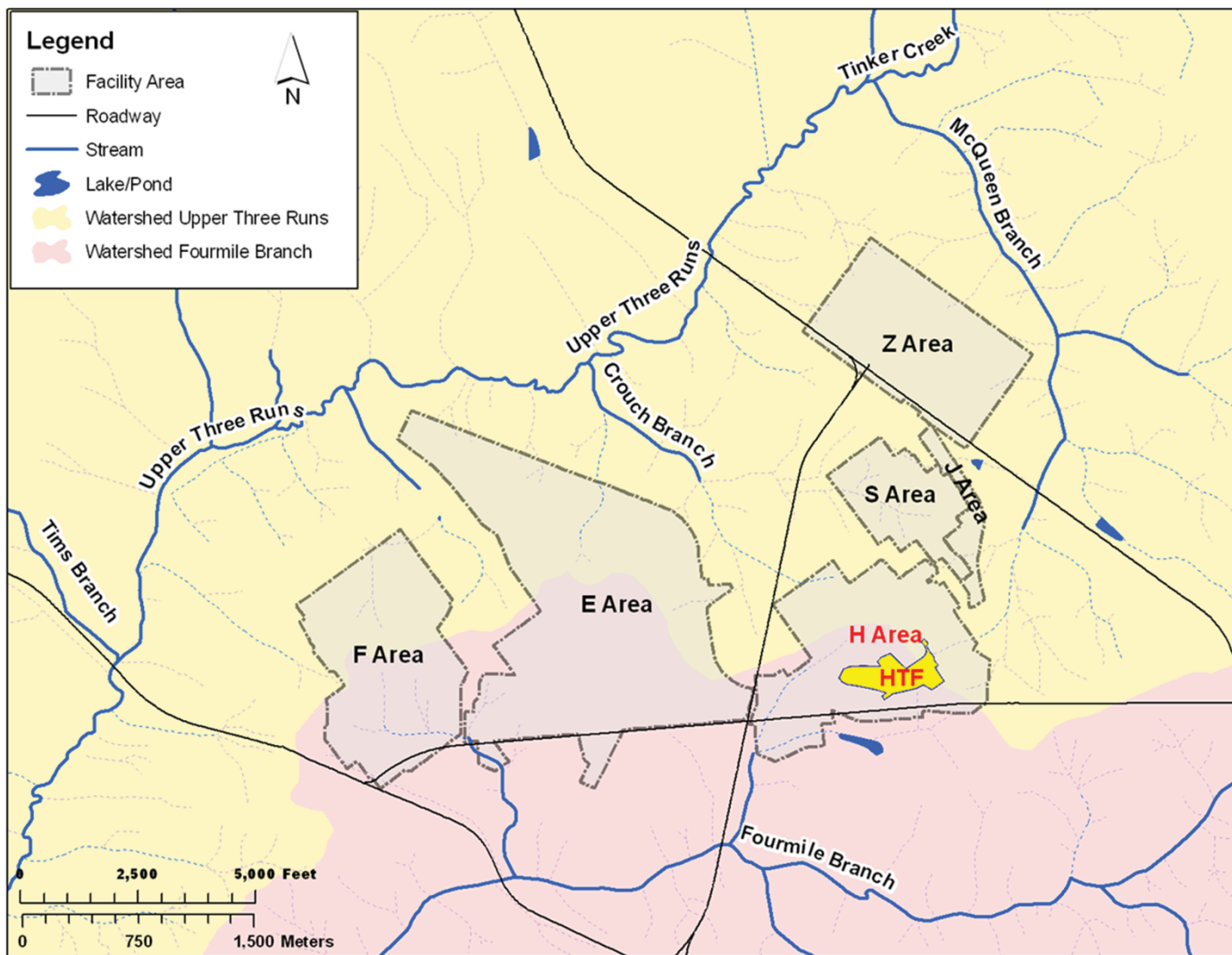
Savannah River Site

We do the right thing.



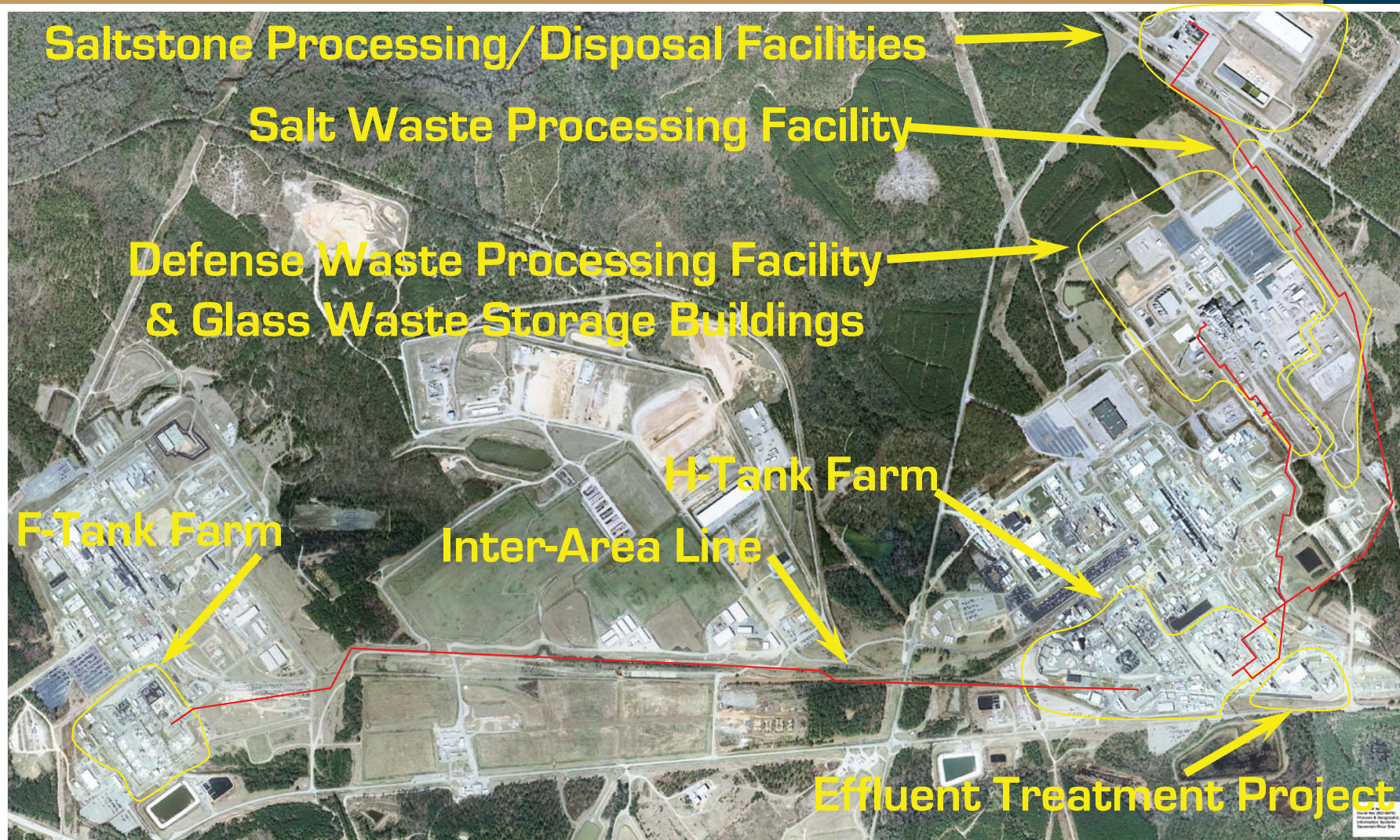
General Separations Area

We do the right thing.



General Separations Area

We do the right thing.



H-Tank Farm Layout

We do the right thing.



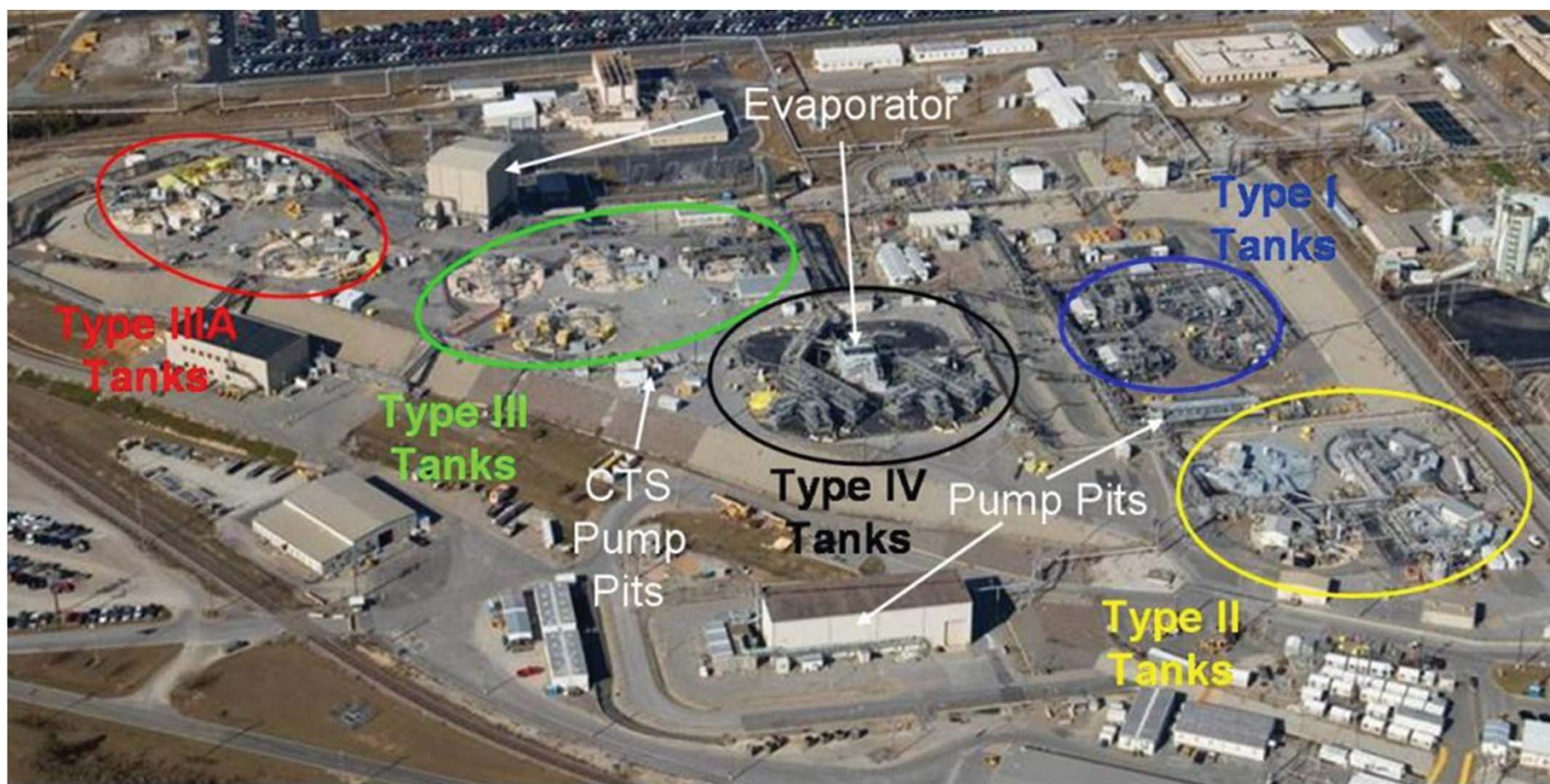
H-Tank Farm

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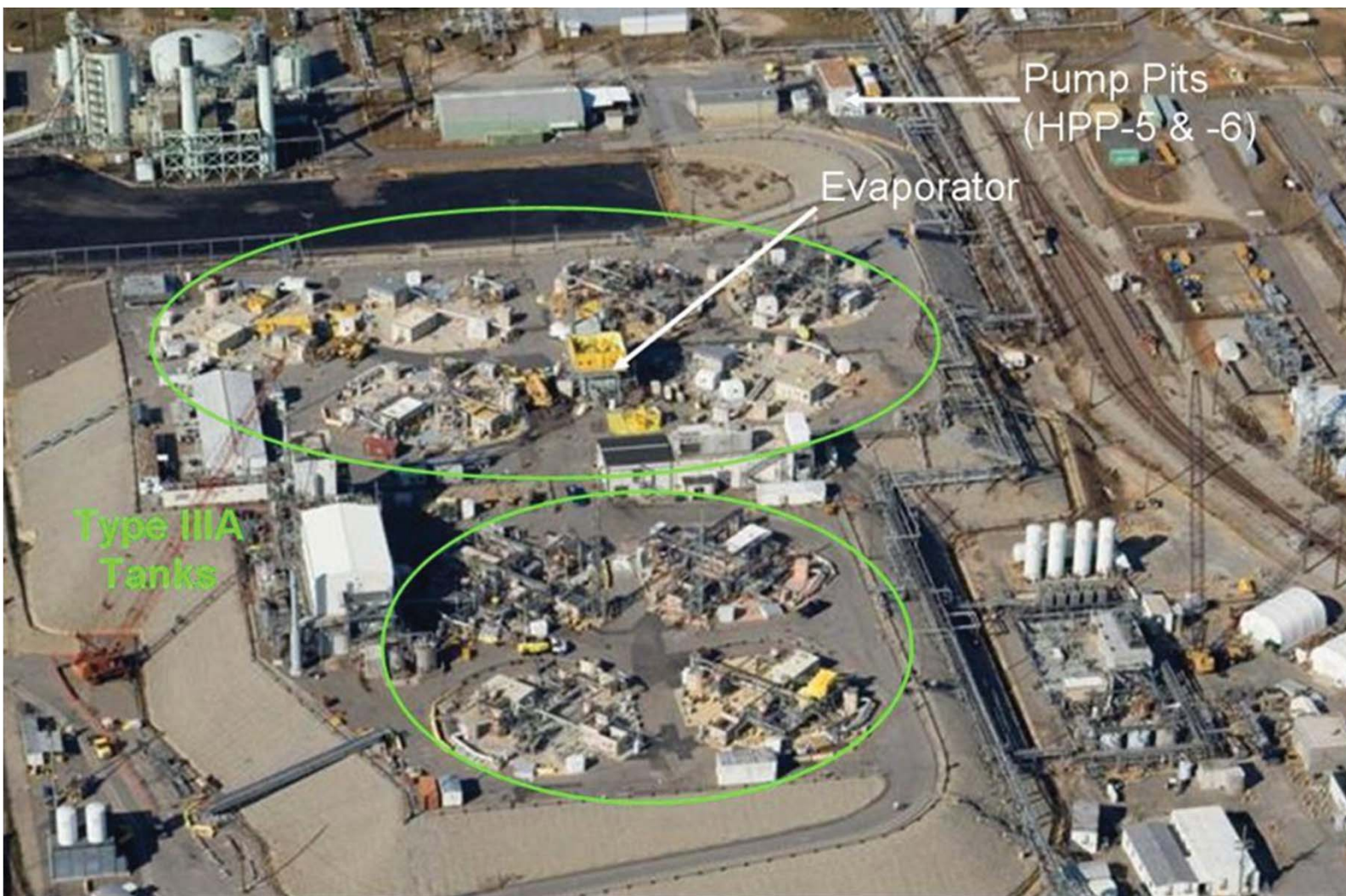
H-Tank Farm (West)

We do the right thing.



H-Tank Farm (East)

We do the right thing.



We do the right thing.

F-Tank Farm

- 22 waste tanks
 - 8 Type I tanks
 - No Type II tanks
 - 2 Type III tanks
 - 8 Type IIIA tanks
 - 4 Type II tanks
- 2 evaporators
- ~45,000 feet of transfer lines

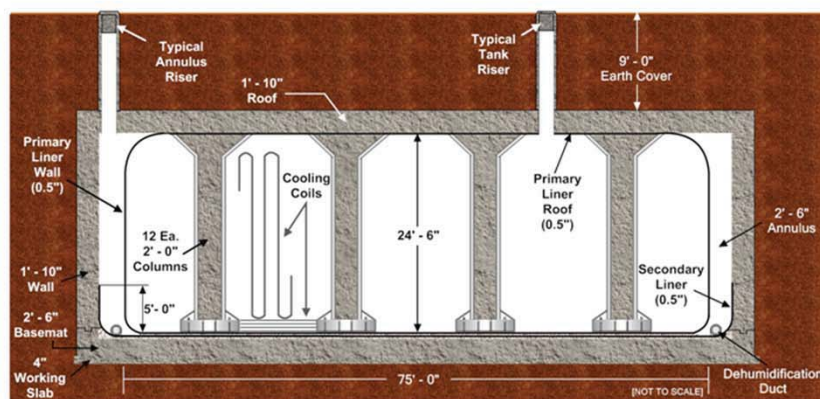
H-Tank Farm

- 29 waste tanks
 - 4 Type I tanks
 - 4 Type II tanks
 - 4 Type III tanks
 - 13 Type IIIA tanks
 - 4 Type IV tanks
- 3 evaporators
- ~75,000 feet of transfer lines

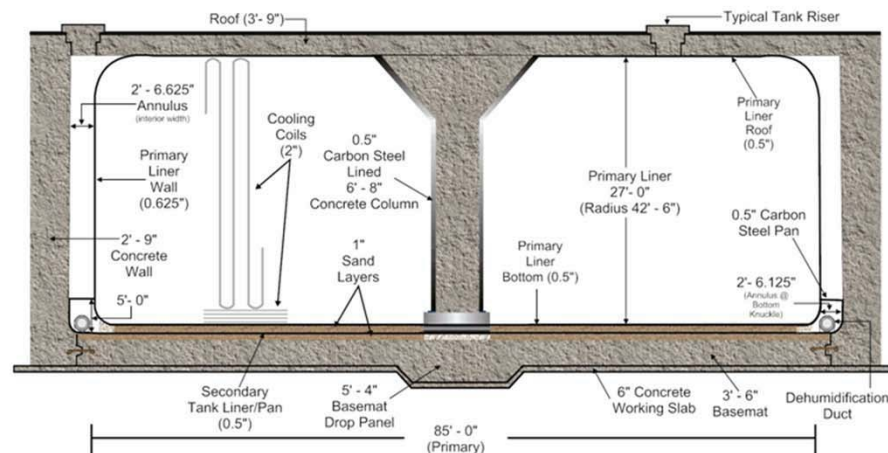
HTF Tank Types

We do the right thing.

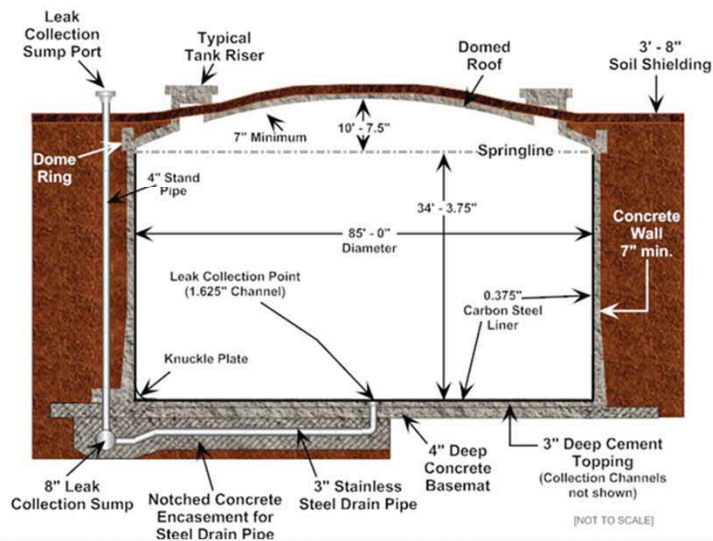
TYPICAL TYPE I WASTE TANK



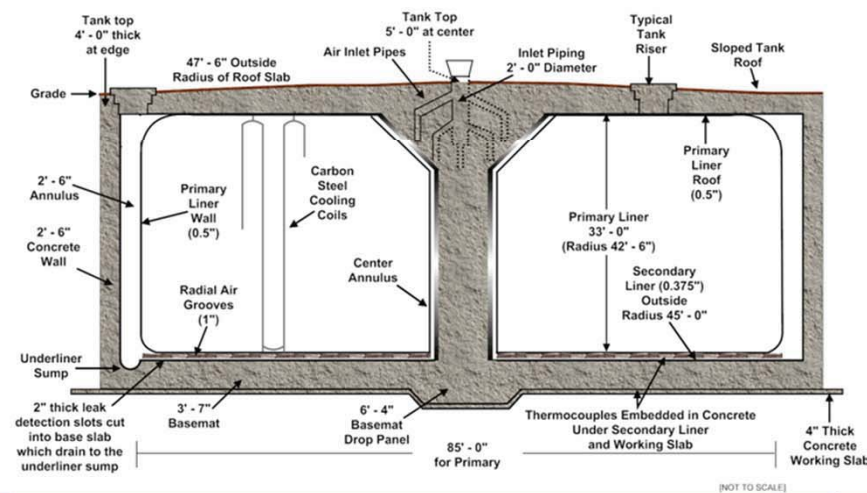
TYPICAL TYPE II WASTE TANK



TYPICAL TYPE IV WASTE TANK

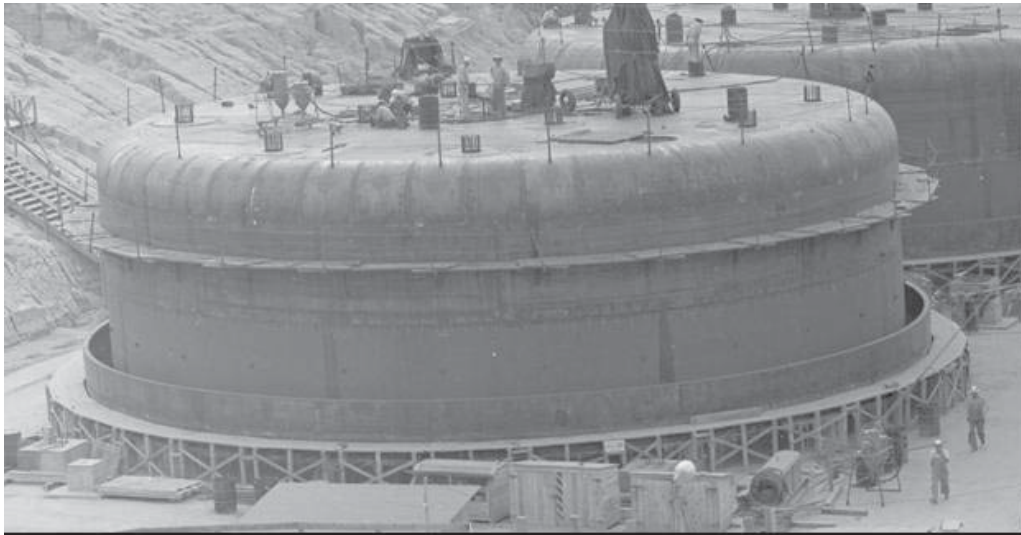


TYPICAL TYPE IIIA WASTE TANK

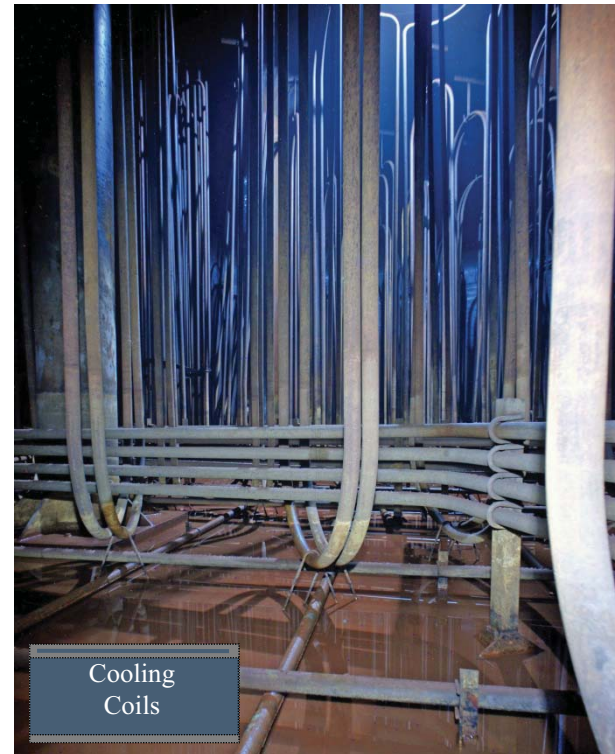


Type I Tank

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HTF Contains Four Type I Tanks
(Tanks 9, 10, 11, 12)



Type II Tank

We do the right thing.

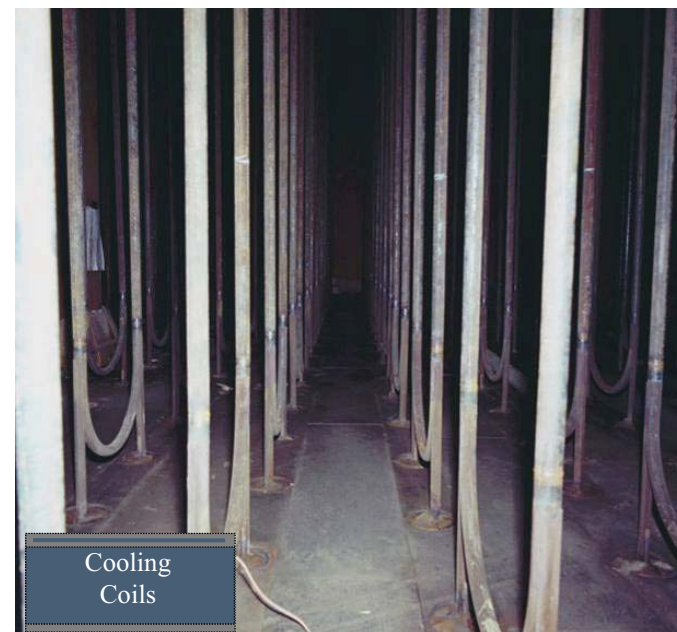


HTF Contains Four Type II Tanks
(Tanks 13, 14, 15, 16)



Type III/IIIA Tank

We do the right thing.



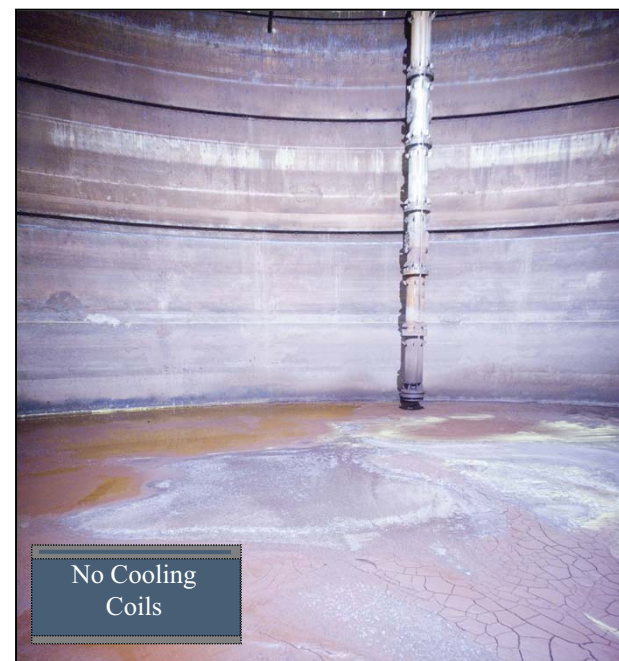
HTF Contains Seventeen Type III/IIIA Tanks
(Type III: Tanks 29 through 32)
(Type IIIA: Tanks 35 through 43 & 48 through 51)

Type IV Tank

We do the right thing.



HTF Contains Four Type IV Tanks
(Tanks 21, 22, 23, 24)

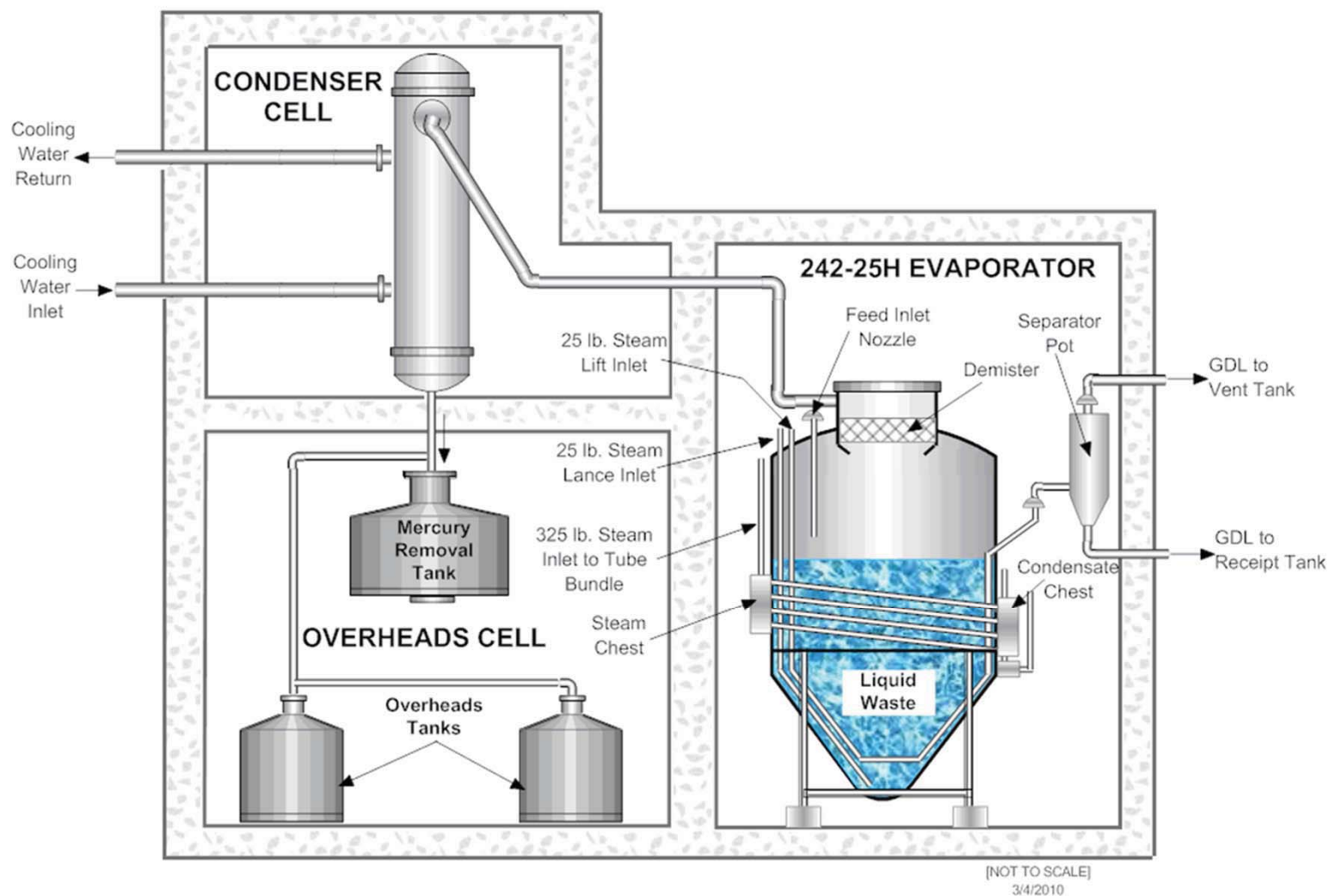


We do the right thing.

- Three - Evaporator Systems
- Transfer Line System
 - Transfer Lines
 - Leak Detection Boxes
 - Modified Leak Detection Boxes
- Eight - Diversion Boxes
- Ten - Pump Pits
- Nine - Pump Tanks
- Eleven - Valve Boxes
- One - Catch Tank
- Two - Concentrate Transfer Systems

Evaporator

We do the right thing.



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2H Evaporator

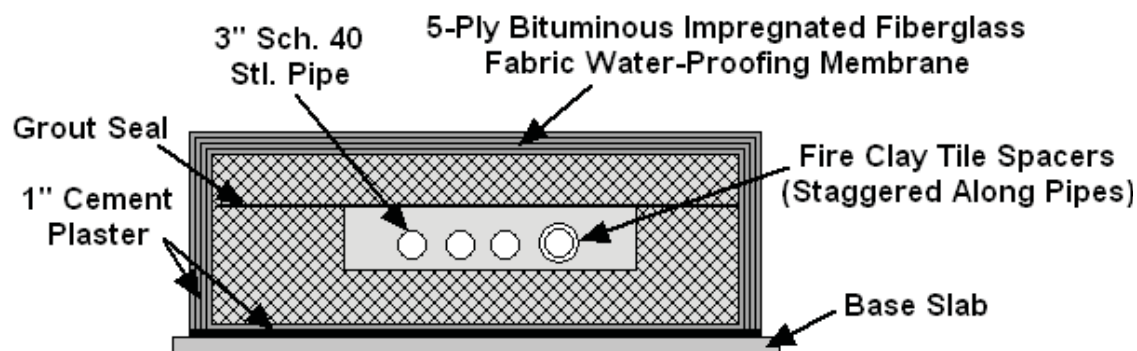
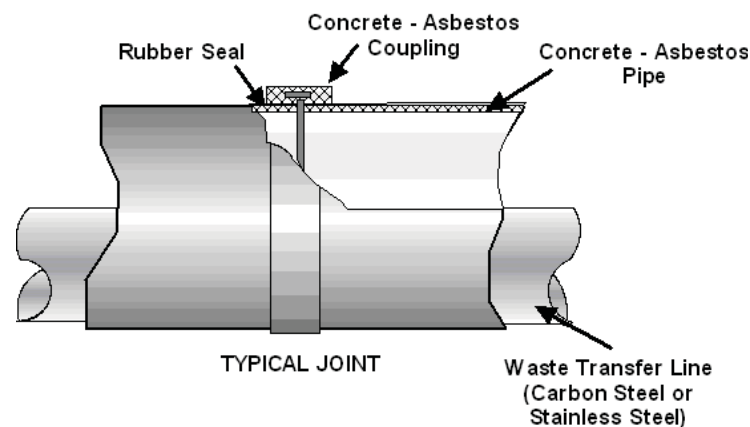
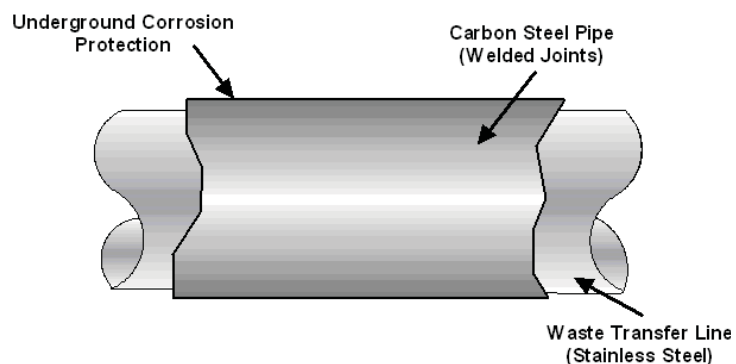


3H Evaporator



Transfer Lines

We do the right thing.



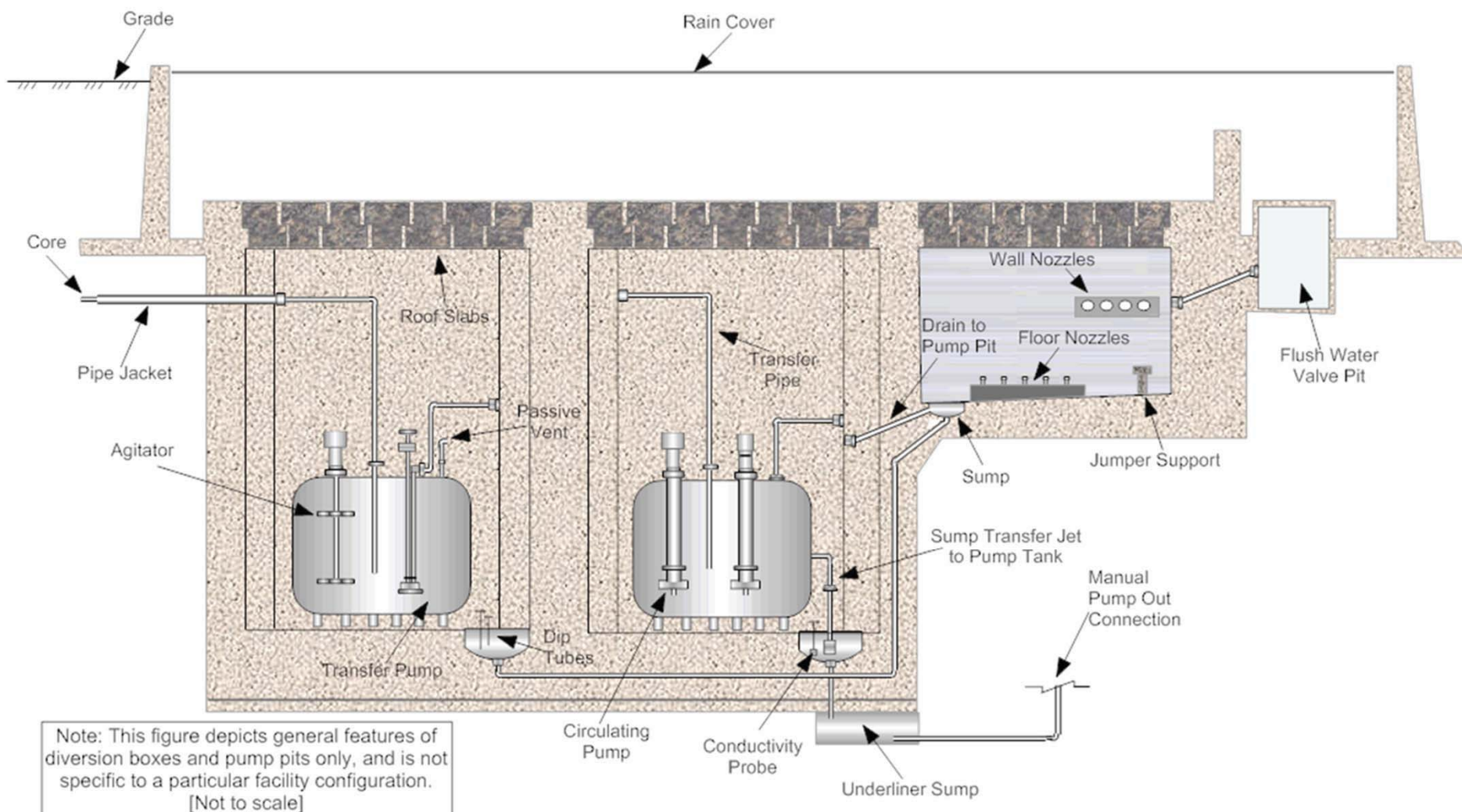
Transfer Lines

We do the right thing.



Pump Pit & Diversion Box

We do the right thing.



Pump Pit & Pump Tank

We do the right thing.



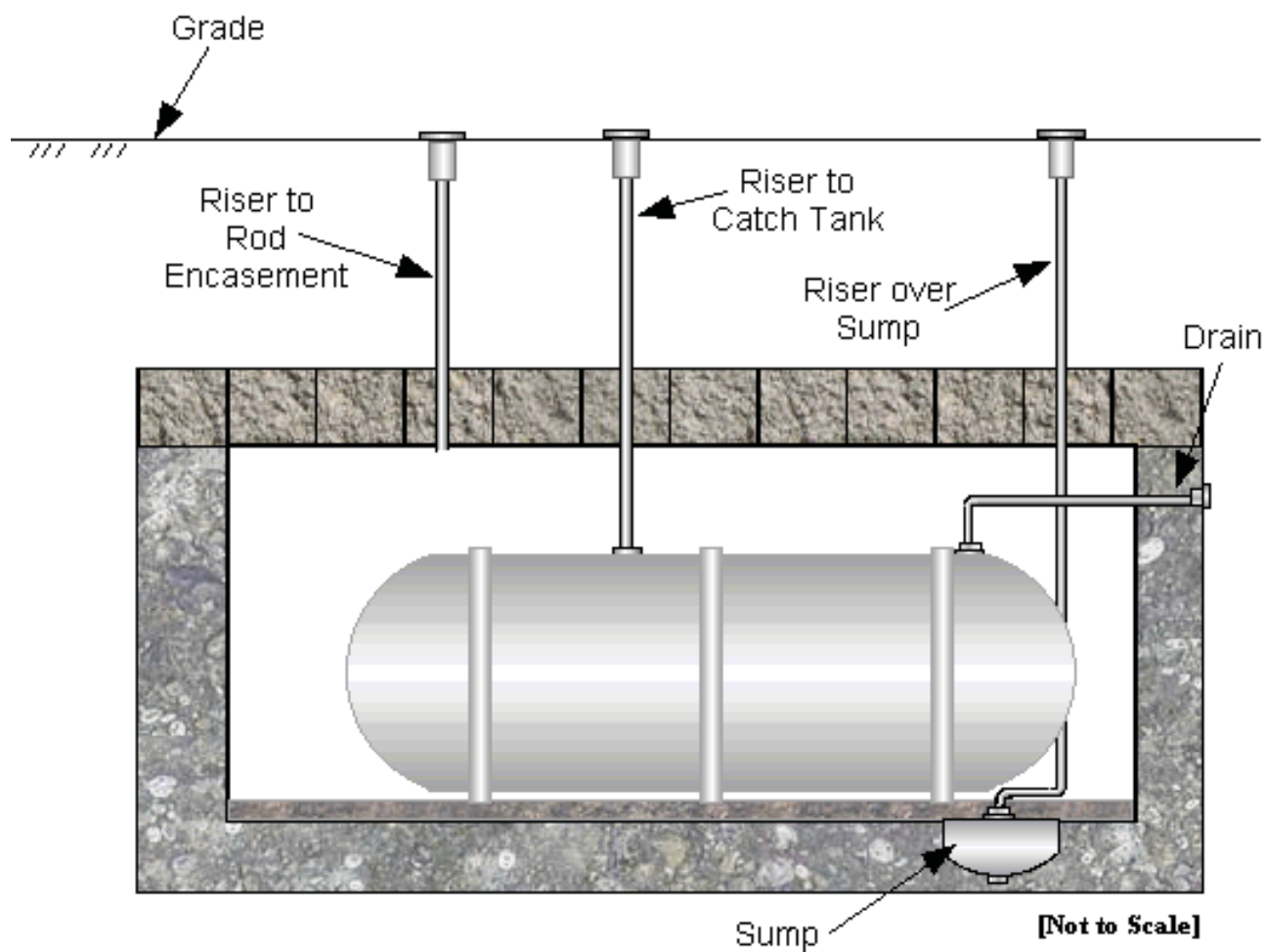
Diversion Box

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Catch Tank

We do the right thing.



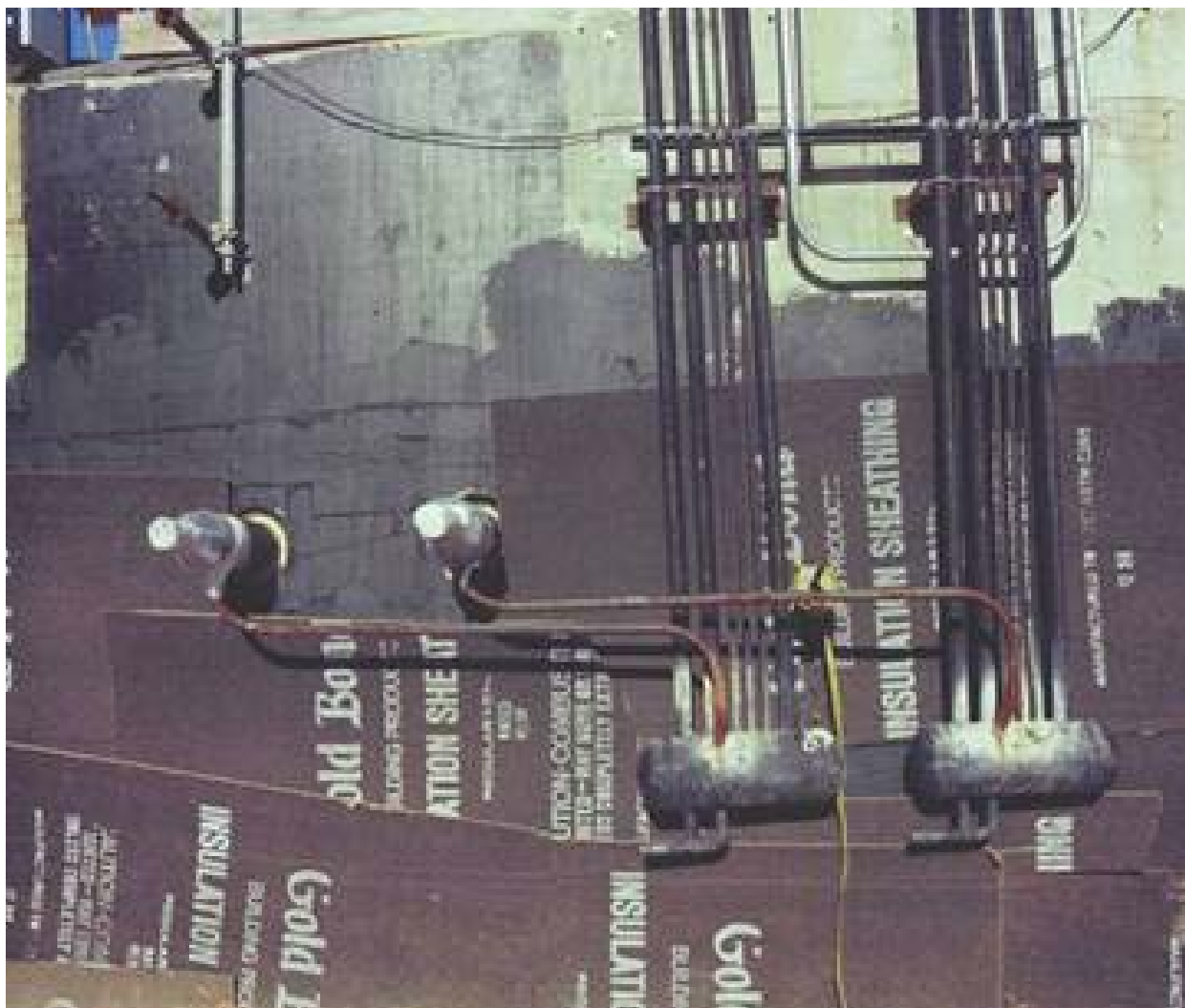
Catch Tank

We do the right thing.



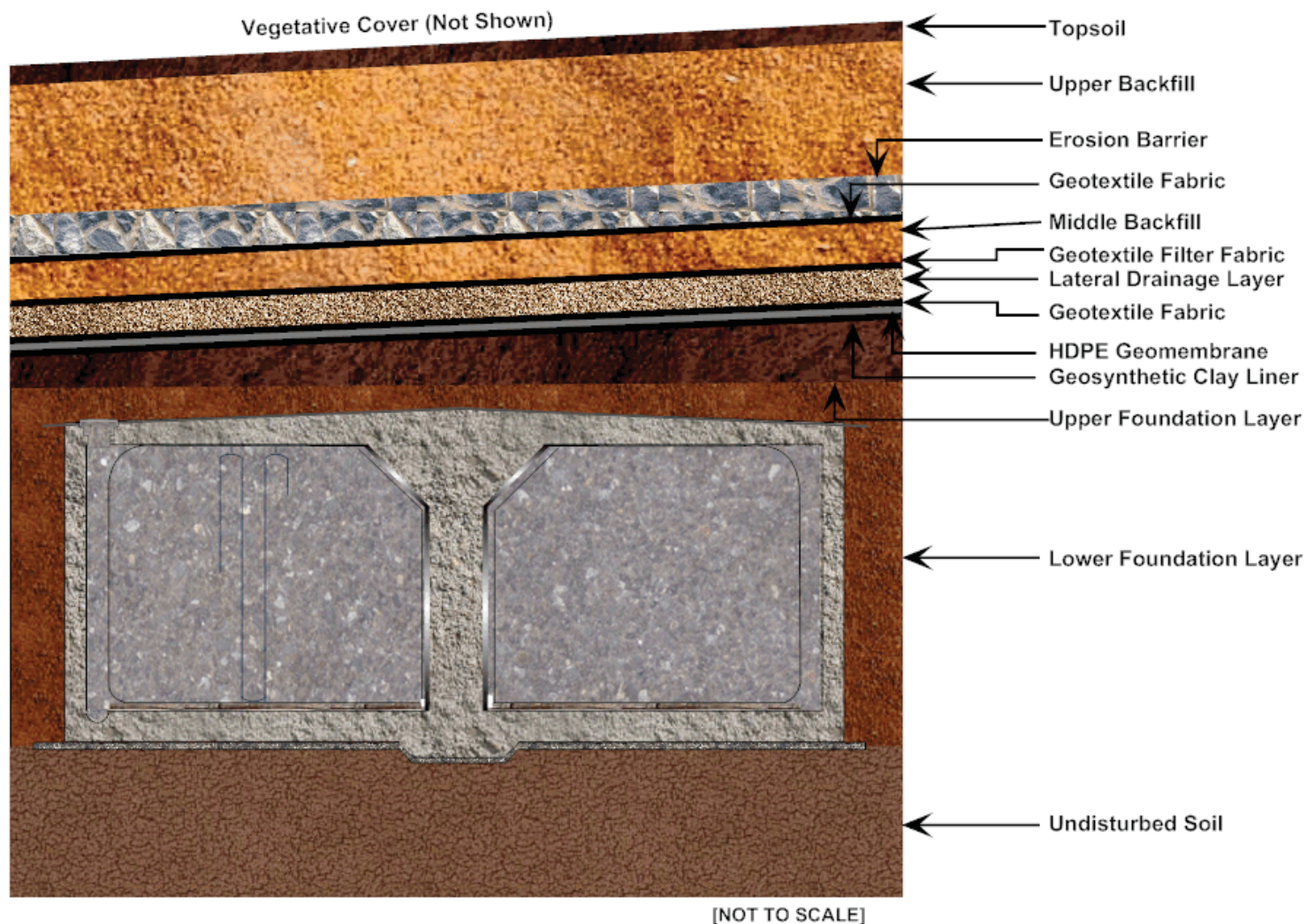
Leak Detection Boxes

We do the right thing.



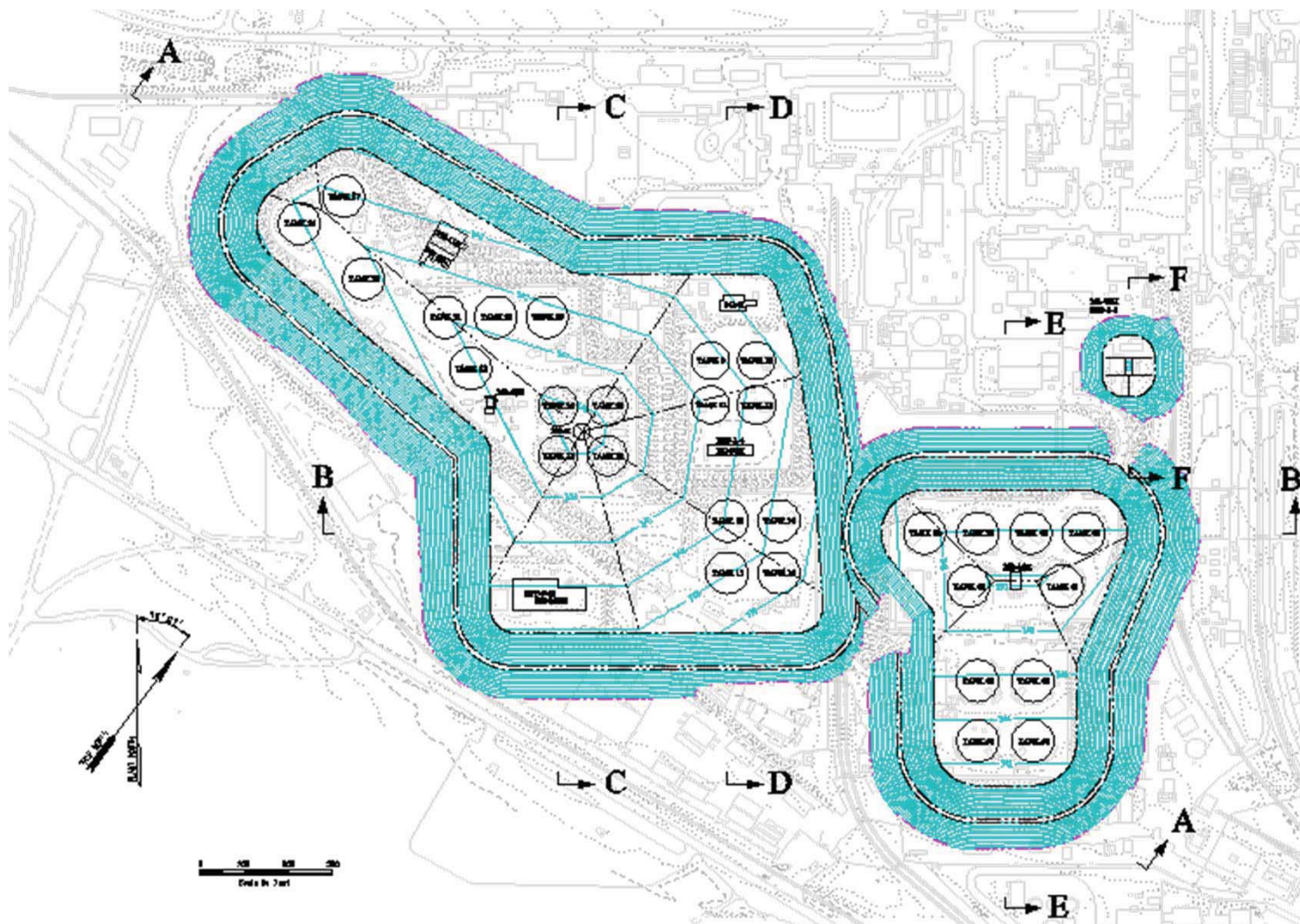
Closure Cap General Layout

We do the right thing.



Closure Cap General Layout

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- Previous waste removal activities to support tank farm operations and sludge batch preparation for the Defense Waste Processing Facility.
 - Bulk sludge removal performed on
 - Tanks 9, 10 and 11 (Type I tanks)
 - Tank 15 (Type II tank)
 - Tanks 21 and 22 (Type IV tanks)
 - Tank 42 (Type IIIA tank)
 - Bulk saltcake removal performed on
 - Tanks 22 and 24 (Type IV tanks)
 - Tanks 37 and 42 (Type IIIA tanks)
 - Tanks subsequently re-used to support ongoing tank farm operations.

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- Tank 16 has undergone an extensive waste removal campaign (Type II tank)
- Tank 12 is in the process of heel removal (Type I tank)
- Tank 11 has completed bulk waste removal efforts (Type I tank)
- Tank 13 is undergoing bulk waste removal efforts (Type II tank)
- Tank 10 is undergoing preparation for bulk waste removal efforts (Type I tank)
- Waste removal activities, for the purpose of final waste tank closure, have not been initiated on one Type I tank (Tank 9), two Type II tanks (Tanks 14 and 15), the four Type IV tanks or the seventeen Type III/IIIA tanks located in HTF