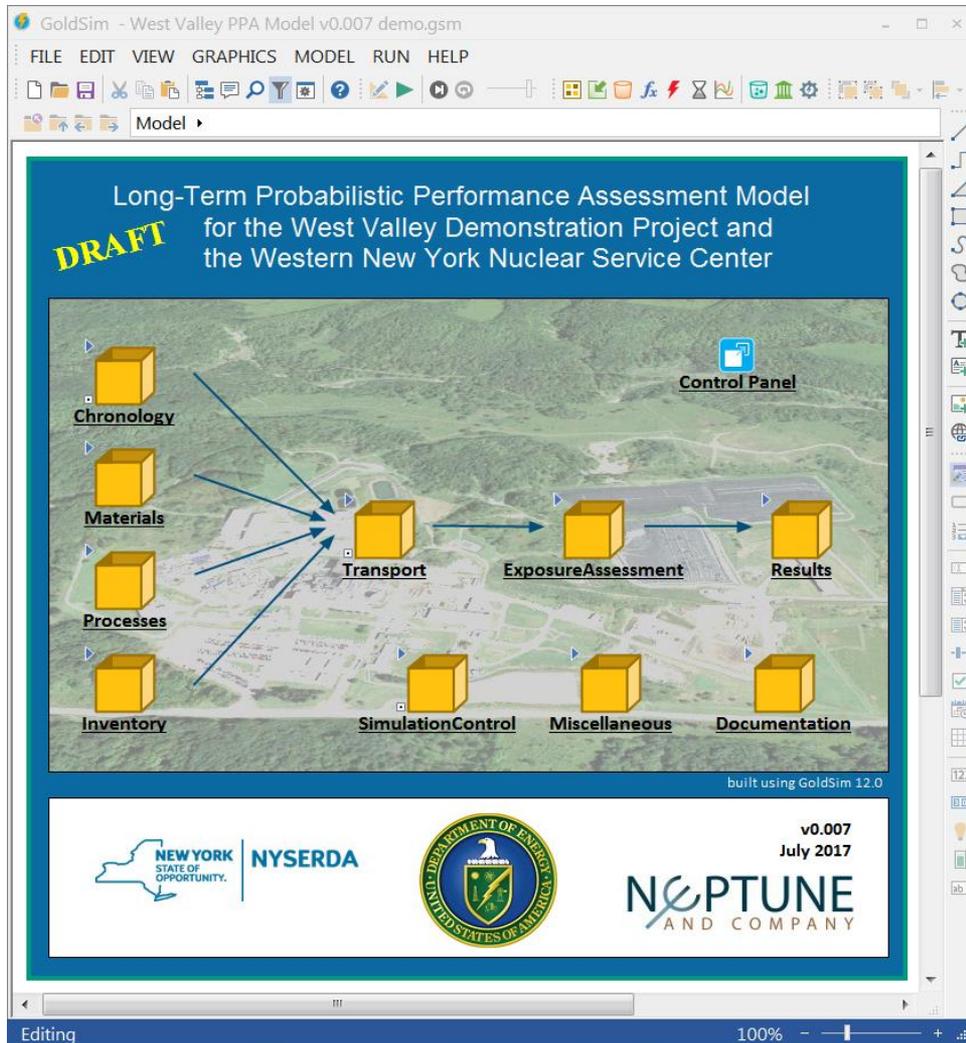


An Update for the West Valley PPA Model

Neptune and Company
23 August 2017



The West Valley PPA Model

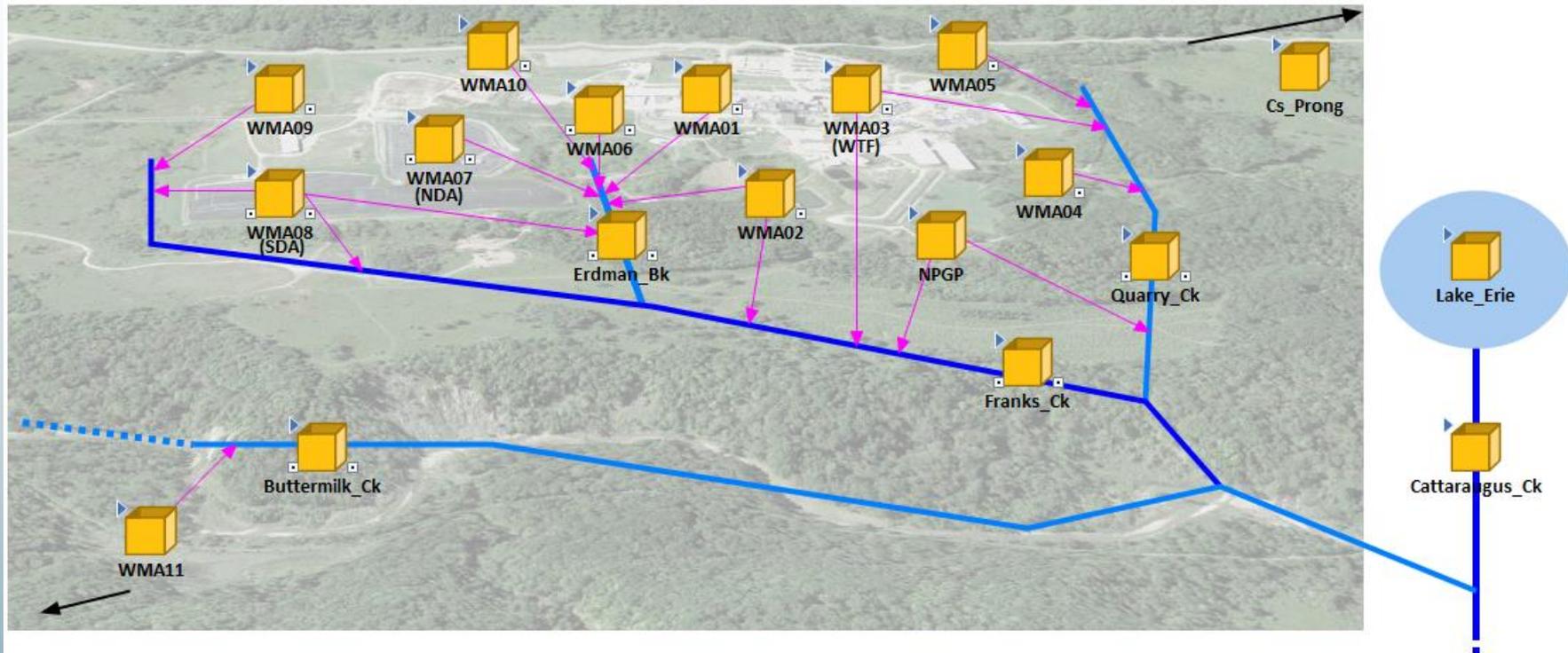


Model development continues...

This presentation follows from the Quarterly Public Meeting presentation of 10 May 2017.

Focus is on the representation of Facilities and Decision Units and manipulation in the model.

High-Level Layout of the Model



- Calculations are organized by Waste Management Area (WMA), Facilities within each WMA, and Decision Units within those Facilities.
- Off-Site modeling includes creeks and Lake Erie.

Main Control Panel

Control Panel for the West Valley Probabilistic Performance Assessment Model

Welcome to the West Valley Probabilistic Performance Assessment Model

Brief explanation of the model and its results goes here.

Model Settings

Select Facilities and Decision Units to include in the modeling. Simulate the effect of Phase 2 source removal by deselecting any given decision unit. These are organized by WMA and are accessed by the WMA Control button below.

WMA Controls

Model Results

Model results of regulatory interest include future doses and risks to human and ecological systems, and the ground surface flux of radon.

Results Dashboard

Browse Model Simulation Settings Run Model



WMA Controls

Selection of Decision Unit Inventories within the Waste Management Areas

Select to run all Decision Unit inventories in all WMAs overriding other selections:

Run ALL Inventories

Instructions

This control panel allows the user to include or exclude individual Decision Units for modeling so that the effects of Phase 2 decision may be evaluated. The Run ALL Inventories checkbox overrides all other selections, so that the effect of including all inventories can be

WMA-Specific Controls

WMA 1: No Decision Units; residual contamination remains after Phase 1 cleanup

User-Select WMA 2: Phase 2 Decision Units exist in addition to Phase 1 residuals

North Plateau Groundwater Plume (NPGP) in WMA 2

Permeable Treatment Wall

User-Select WMA 3: WTF Decision Units and residuals (detailed controls available) WMA 3 Controls

Select ALL WMA 4: Phase 2 Decision Units exist in addition to residuals

NPGP in WMA 4

Construction and Demolition Debris Landfill (CDDL)

WMA 5: No Decision Units; residual contamination remains after Phase 1 cleanup

Select NONE WMA 6: A Phase 2 Decision Unit exists in addition to residuals

Rail Spur in WMA 6

User-Select WMA 7: NDA Facilities (detailed controls available)

Special Holes (East) Deep Holes

Special Holes (North) WVDP Trenches

Special Holes (West) Other NDA

User-Select WMA 8: SDA Facilities (detailed controls available)

SDA North Facilities SDA South Facilities

WMA 9: No Decision Units; residual contamination remains after Phase 1 cleanup

WMA 10: No Decision Units; residual contamination remains after Phase 1 cleanup

Control Panel
Layout of WMAs
Run Model



WMA 3 (WTF) Controls

Selection of WMA 3 Decision Units

Instructions

- In order to make selections for all WMA 3 Decision Units, make sure that the WMA 3 Decision Units are user-selectable using the list box control at the left. This control may also be used to force the selection of all Decision Units or none of them.
- If User-Select is chosen use the checkboxes either in the list or on the map to select the Decision Units to be included in the

WMA 3 Decision Units

User-Select ▾

User req.	Incl.
HLW Tanks	
<input type="checkbox"/> Tank 8D-1	<input type="checkbox"/>
<input checked="" type="checkbox"/> Tank 8D-1 STS*	<input type="checkbox"/>
<input checked="" type="checkbox"/> Tank 8D-2	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Tank 8D-3	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Tank 8D-4	<input checked="" type="checkbox"/>
Other structures	
<input checked="" type="checkbox"/> HLWTT	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> PVS	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> STSSB	<input checked="" type="checkbox"/>

* The Supernatant Treatment System (STS) is part of HLW Tank 8D-1, but may be removed separately.

Interactive Map

Waste Management Area 3
Waste Tank Farm
Decision Units

The map shows the layout of the Waste Tank Farm. Structures are represented by icons: rectangles for buildings (STSSB, PVS, HLWTT) and circles for tanks (8D-1, 8D-2). Each icon has a small checkbox. The STS is shown as a smaller circle inside the 8D-1 tank icon. A network of pipes connects the structures. A north arrow is located in the top right corner of the map area.

WMA Controls

Run Model

WMA 7 (NDA) Layout Detail

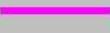
Map of NDA Facilities and containers for contaminant transport calculations

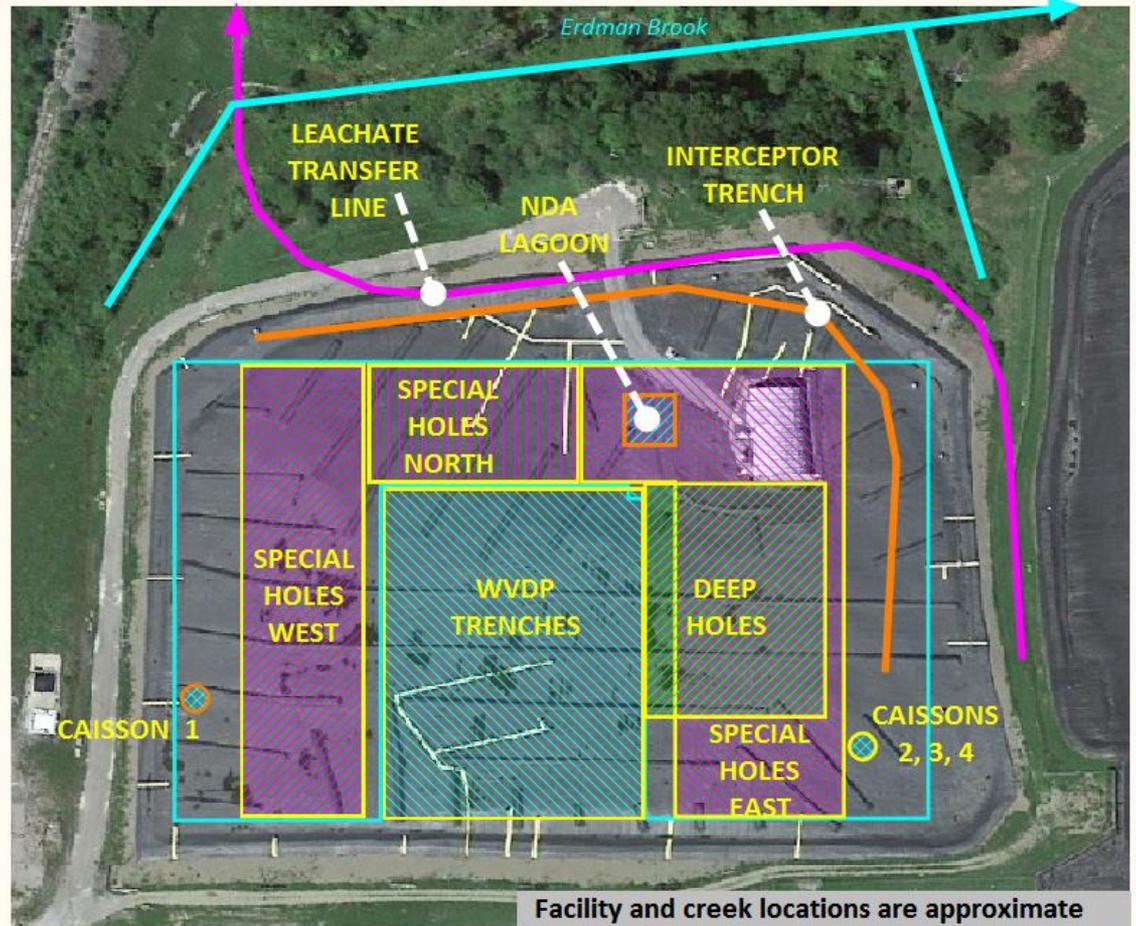


Modeled NDA Facilities:

-  Deep Holes
-  Special Holes West
-  Special Holes North
-  Special Holes East
-  WVDP Trenches
-  Caisson 1
-  Caissons 2, 3, and 4

NDA other Facilities (as a group):

-  Former NDA Lagoon
-  Interceptor Trench
-  Leachate Transfer Line



NDA WVDP Trenches

Selection of NDA WVDP Trench Decision Units • Controls

NDA Facilities
User-Select ▾

WVDP Trenches
User-Select ▾

User req.	Incl.
<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Instructions
• In order to make selections for all NDA Facilities, just the WVDP Trenches Facility, or individual WVDP Trench Decision Units using this dashboard, make sure that the NDA Facilities are user-selectable using the list box control at the upper left corner. This control may also be used to force the

Interactive Map

WMA Controls

Run Model

NDA Deep Holes • Map Controls

NDA Facilities
User-Select ▼

NDA Deep Holes
User-Select ▼

Examine the list controls in order to see which requested Decision Units are included in the modeling.
(Use button below.)

Switch to List Controls for the Deep Holes

Selection of NDA Deep Holes Decision Units

Instructions

- In order to make selections for all NDA Facilities, just the Deep Holes Facility, or individual

Interactive Map for requesting Deep Hole Decision Units.

21*

Not located:

<input checked="" type="checkbox"/> 2-1	<input checked="" type="checkbox"/> 11-3
<input checked="" type="checkbox"/> 3	<input checked="" type="checkbox"/> 103
<input checked="" type="checkbox"/> 3-1	<input checked="" type="checkbox"/> unk
<input checked="" type="checkbox"/> 3-5&2-5	

WMA Controls

*Green disposal units are part of the collection of Special Holes. Disposal units with names in gray have no inventory information.

Run Model



NDA Deep Holes • Table Controls

NDA Facilities
User-Select ▾

NDA Deep Holes
User-Select ▾

Switch to Interactive Map Controls for the Deep Holes

Selection of NDA Deep Holes Decision Units

Instructions

• In order to make selections for all NDA Facilities, just the Deep Holes Facility, or individual Decision Units, use the checkboxes in the table below. The final inclusion status is indicated by the green check.

For each Decision Unit listed below, use the left checkbox to request inclusion in the modeling. This User-Selected request may be overridden by higher-level selections, such as selecting or deselecting the entire NDA. The final inclusion status is indicated by the green check.

<input checked="" type="checkbox"/> 1-1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 6-3	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 45	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 65	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 85	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> 1-2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 6-6	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 46	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 66	<input checked="" type="checkbox"/>	<input type="checkbox"/> 86	<input type="checkbox"/>
<input checked="" type="checkbox"/> 1-3	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 7-1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 47	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 67	<input checked="" type="checkbox"/>	<input type="checkbox"/> 87	<input type="checkbox"/>
<input type="checkbox"/> 1-4	<input type="checkbox"/>	<input checked="" type="checkbox"/> 7-2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 48	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 68	<input checked="" type="checkbox"/>	<input type="checkbox"/> 88	<input type="checkbox"/>
<input type="checkbox"/> 1-5	<input type="checkbox"/>	<input checked="" type="checkbox"/> 7-3	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 49	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 69	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 89	<input checked="" type="checkbox"/>
<input type="checkbox"/> 1-6	<input type="checkbox"/>	<input checked="" type="checkbox"/> 8-1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 50	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 70	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 90	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> 2-1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 8-2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 51	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 71	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 91	<input checked="" type="checkbox"/>
<input type="checkbox"/> 2-4	<input type="checkbox"/>	<input checked="" type="checkbox"/> 8-3	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 52	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 72	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 92	<input checked="" type="checkbox"/>
<input type="checkbox"/> 2-5	<input type="checkbox"/>	<input checked="" type="checkbox"/> 8-6	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 53	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 73	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 93	<input checked="" type="checkbox"/>
<input type="checkbox"/> 2-6	<input type="checkbox"/>	<input checked="" type="checkbox"/> 9-1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 54	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 74	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 94	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> 3	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 9-2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 55	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 75	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 95	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> 3-1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 10-1	<input checked="" type="checkbox"/>	<input type="checkbox"/> 56	<input type="checkbox"/>	<input checked="" type="checkbox"/> 76	<input checked="" type="checkbox"/>	<input type="checkbox"/> 96	<input type="checkbox"/>
<input type="checkbox"/> 3-4	<input type="checkbox"/>	<input checked="" type="checkbox"/> 10-2	<input checked="" type="checkbox"/>	<input type="checkbox"/> 57	<input type="checkbox"/>	<input checked="" type="checkbox"/> 77	<input checked="" type="checkbox"/>	<input type="checkbox"/> 97	<input type="checkbox"/>
<input type="checkbox"/> 3-5	<input type="checkbox"/>	<input checked="" type="checkbox"/> 10-3	<input checked="" type="checkbox"/>	<input type="checkbox"/> 58	<input type="checkbox"/>	<input checked="" type="checkbox"/> 78	<input checked="" type="checkbox"/>	<input type="checkbox"/> 98	<input type="checkbox"/>
<input checked="" type="checkbox"/> 3-5+2-5	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 11-3	<input checked="" type="checkbox"/>	<input type="checkbox"/> 59	<input type="checkbox"/>	<input checked="" type="checkbox"/> 79	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 99	<input checked="" type="checkbox"/>
<input type="checkbox"/> 3-6	<input type="checkbox"/>	<input checked="" type="checkbox"/> 12	<input checked="" type="checkbox"/>	<input type="checkbox"/> 60	<input type="checkbox"/>	<input checked="" type="checkbox"/> 80	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 100	<input checked="" type="checkbox"/>
<input type="checkbox"/> 4-5	<input type="checkbox"/>	<input checked="" type="checkbox"/> 13	<input checked="" type="checkbox"/>	<input type="checkbox"/> 61	<input type="checkbox"/>	<input checked="" type="checkbox"/> 81	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 101	<input checked="" type="checkbox"/>
<input type="checkbox"/> 4-6	<input type="checkbox"/>	<input checked="" type="checkbox"/> 42	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 62	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 82	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 102	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> 6-1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 43	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 63	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 83	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 103	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> 6-2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 44	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 64	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 84	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> unk	<input checked="" type="checkbox"/>

NDA Special Holes – East Group

Selection of NDA Special Holes, East Group

NDA Facilities
User-Select ▾

Instructions

- In order to make selections for all NDA Facilities, just the Special Holes East Group, or individual Special Hole Decision Units using this dashboard, make sure that the NDA Facilities are user-selectable using the list box control at the upper left corner. This control may also be used to force the

Special Holes, East

User-Select ▾

Using the check boxes on the left in each column or on the map, select specific Decision Units to include in the

<input checked="" type="checkbox"/> SH-1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> SH-17	<input checked="" type="checkbox"/>
<input type="checkbox"/> SH-2	<input type="checkbox"/>	<input checked="" type="checkbox"/> SH-18	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> SH-3	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> SH-19	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> SH-4	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> SH-20	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> SH-5	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> SH-21	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> SH-6	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> SH-22	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> SH-7	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> SH-38	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> SH-8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> SH-42	<input checked="" type="checkbox"/>
<input type="checkbox"/> SH-10	<input type="checkbox"/>	<input type="checkbox"/> SH-52	<input type="checkbox"/>
<input checked="" type="checkbox"/> SH-11	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> SH-54	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> SH-13	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> SH-55	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> SH-14	<input checked="" type="checkbox"/>	<input type="checkbox"/> SH-78	<input type="checkbox"/>
<input checked="" type="checkbox"/> SH-15	<input checked="" type="checkbox"/>	<input type="checkbox"/> SH-99	<input type="checkbox"/>
<input type="checkbox"/> SH-16	<input type="checkbox"/>		

Interactive Map

location of Deep holes

WWDP Trenches

WMA Controls

Run Model

NDA Special Holes – North Group

Selection of NDA Special Holes, North Group

NDA Facilities
User-Select ▾

Instructions

- In order to make selections for all NDA Facilities, just the Special Holes North Group, or individual Special Hole Decision Units using this dashboard, make sure that the NDA Facilities are user-selectable using the list box control at the upper left corner. This control may also be used to force the

Special Holes, North
User-Select ▾

Using the check boxes on the left in each column or on the map, select specific Decision Units to include in the modeling. This selection may be overridden by higher-level controls that

<input type="checkbox"/> SH-24	<input type="checkbox"/> SH-40	<input checked="" type="checkbox"/> SH-58	<input checked="" type="checkbox"/>
<input type="checkbox"/> SH-25	<input checked="" type="checkbox"/> SH-41	<input checked="" type="checkbox"/> SH-59	<input checked="" type="checkbox"/>
<input type="checkbox"/> SH-26	<input checked="" type="checkbox"/> SH-43	<input checked="" type="checkbox"/> SH-60	<input checked="" type="checkbox"/>
<input type="checkbox"/> SH-27	<input checked="" type="checkbox"/> SH-44	<input checked="" type="checkbox"/> SH-61	<input checked="" type="checkbox"/>
<input type="checkbox"/> SH-28	<input checked="" type="checkbox"/> SH-45	<input checked="" type="checkbox"/> SH-62	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> SH-29	<input checked="" type="checkbox"/> SH-46	<input checked="" type="checkbox"/> SH-63	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> SH-30	<input checked="" type="checkbox"/> SH-47	<input checked="" type="checkbox"/> SH-64	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> SH-31	<input checked="" type="checkbox"/> SH-48	<input checked="" type="checkbox"/> SH-65	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> SH-32	<input type="checkbox"/> SH-49	<input checked="" type="checkbox"/> SH-66	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> SH-34	<input type="checkbox"/> SH-50	<input checked="" type="checkbox"/> SH-67	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> SH-35	<input type="checkbox"/> SH-51	<input checked="" type="checkbox"/> SH-68	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> SH-36	<input type="checkbox"/> SH-53	<input type="checkbox"/> SH-70	<input type="checkbox"/>
<input checked="" type="checkbox"/> SH-37	<input checked="" type="checkbox"/> SH-56	<input checked="" type="checkbox"/> SH-71	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> SH-39	<input checked="" type="checkbox"/> SH-57	<input checked="" type="checkbox"/> SH-73	<input checked="" type="checkbox"/>

Interactive Map

Inset for Special Holes 60-66

Disposal units with names in gray have no inventory information.

WMA Controls

Run Model

NDA Special Holes – West Group

Selection of NDA Special Holes, West Group

NDA Facilities
User-Select

Sp. Holes, West
User-Select

Instructions

- In order to make selections for all NDA Facilities, just the Special Holes West Group, or individual Special Hole Decision Units using this dashboard, make sure that the NDA Facilities are user-selectable using the list box control at the upper left corner. This control may also be used to force the selection of

<input checked="" type="checkbox"/> SH-9 <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> SH-79 <input checked="" type="checkbox"/>	<input type="checkbox"/> SH-87 <input type="checkbox"/>	<input checked="" type="checkbox"/> SH-95 <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> SH-104 <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> SH-112 <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> SH-120 <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> SH-128 <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> SH-136 <input checked="" type="checkbox"/>
<input type="checkbox"/> SH-12 <input type="checkbox"/>	<input checked="" type="checkbox"/> SH-80 <input checked="" type="checkbox"/>	<input type="checkbox"/> SH-88 <input type="checkbox"/>	<input checked="" type="checkbox"/> SH-96 <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> SH-105 <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> SH-113 <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> SH-121 <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> SH-129 <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> SH-137 <input checked="" type="checkbox"/>
<input type="checkbox"/> SH-69 <input type="checkbox"/>	<input type="checkbox"/> SH-81 <input type="checkbox"/>	<input type="checkbox"/> SH-89 <input type="checkbox"/>	<input checked="" type="checkbox"/> SH-97 <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> SH-106 <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> SH-114 <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> SH-122 <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> SH-130 <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> SH-138 <input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> SH-72 <input checked="" type="checkbox"/>	<input type="checkbox"/> SH-82 <input type="checkbox"/>	<input type="checkbox"/> SH-90 <input type="checkbox"/>	<input checked="" type="checkbox"/> SH-98 <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> SH-107 <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> SH-115 <input checked="" type="checkbox"/>	<input type="checkbox"/> SH-123 <input type="checkbox"/>	<input checked="" type="checkbox"/> SH-131 <input checked="" type="checkbox"/>	
<input type="checkbox"/> SH-74 <input type="checkbox"/>	<input type="checkbox"/> SH-83 <input type="checkbox"/>	<input type="checkbox"/> SH-91 <input type="checkbox"/>	<input checked="" type="checkbox"/> SH-100 <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> SH-108 <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> SH-116 <input checked="" type="checkbox"/>	<input type="checkbox"/> SH-124 <input type="checkbox"/>	<input checked="" type="checkbox"/> SH-132 <input checked="" type="checkbox"/>	
<input type="checkbox"/> SH-75 <input type="checkbox"/>	<input type="checkbox"/> SH-84 <input type="checkbox"/>	<input type="checkbox"/> SH-92 <input type="checkbox"/>	<input checked="" type="checkbox"/> SH-101 <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> SH-109 <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> SH-117 <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> SH-125 <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> SH-133 <input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/> SH-76 <input checked="" type="checkbox"/>	<input type="checkbox"/> SH-85 <input type="checkbox"/>	<input type="checkbox"/> SH-93 <input type="checkbox"/>	<input checked="" type="checkbox"/> SH-102 <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> SH-110 <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> SH-118 <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> SH-126 <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> SH-134 <input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/> SH-77 <input checked="" type="checkbox"/>	<input type="checkbox"/> SH-86 <input type="checkbox"/>	<input type="checkbox"/> SH-94 <input type="checkbox"/>	<input checked="" type="checkbox"/> SH-103 <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> SH-111 <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> SH-119 <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> SH-127 <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> SH-135 <input checked="" type="checkbox"/>	

Interactive Map

WMA Controls

Run Model

NDA Other Facilities

Selection of NDA Other Facilities

All NDA Facilities
Select ALL ▾

Instructions

- In order to make selections for all NDA Facilities, or just the "NDA Other" Facilities using this dashboard, make sure that the NDA Facilities are user-selectable using the list box control at the upper left corner. This control may also be used to force the selection of all Facilities or none of

NDA Other Facilities (Decision Units)

User-Select ▾

User req.	Incl.
<input checked="" type="checkbox"/> Caisson 1	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Caissons 2, 3, _4	<input checked="" type="checkbox"/>

Other Facilities:

<input checked="" type="checkbox"/> Intercep. Trench	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Leach. Tr. Line	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> NDA Lagoon	<input checked="" type="checkbox"/>

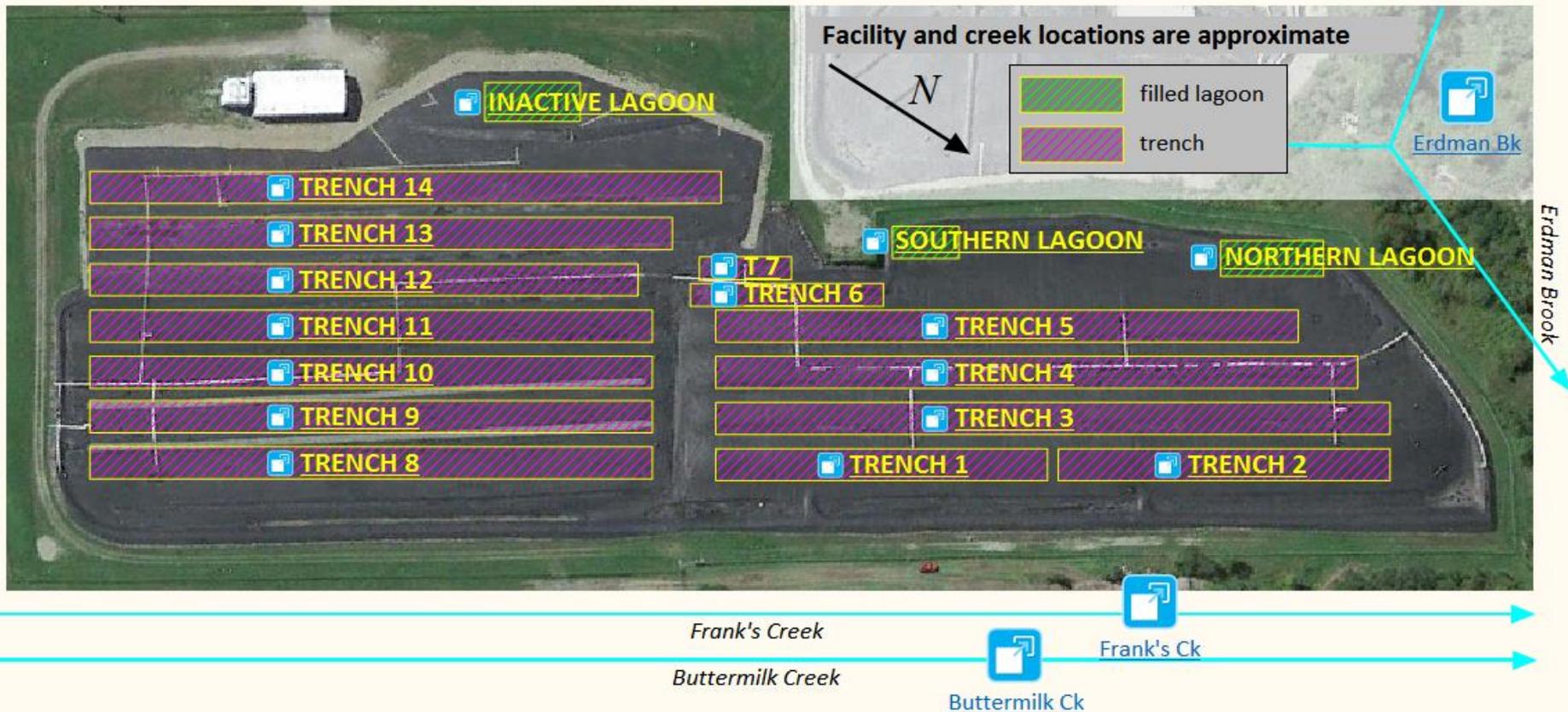
Interactive Map

The map displays several NDA facilities with checkboxes for selection: 'Leachate Transfer Line' (checked), 'Interceptor Trench' (checked), 'Former NDA Lagoon' (checked), and 'Caisson 1' (checked). A callout box for the 'Former NDA Lagoon' contains the text: 'These "other" NDA Facilities consist of: • Caisson 1, • Caissons 2, 3, and 4, and • the Lagoon, Intercept Trench and Leachate Transfer Line, combined (though each is a separate Decision Unit).' A north arrow is located in the top left of the map area.

WMA ControlsRun Model

WMA 8 (SDA) Layout Details

Map of SDA Facilities and containers for contaminant transport calculations



SDA North Facilities Controls

Selection of SDA Facilities and Decision Units: North Disposal Area

SDA Facilities

User-Select ▾

Instructions

- In order to make selections of individual SDA Trenches and Lagoons (Facilities) and 50-ft Intervals (Decision Units) using this dashboard, make sure that the SDA Facilities are user-selectable using the list box control at the upper left corner. This control may

SDA South Disposal Area

SDA South

SDA Trench 1	SDA Trench 2	SDA Trench 3	SDA Trench 4	SDA Trench 5	SDA Trench 6	SDA Trench 7																																																																																																																																							
<p>User-Select ▾</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">User req.</th> <th style="width: 50%;">Incl.</th> </tr> </thead> <tbody> <tr><td><input checked="" type="checkbox"/> 0-50 ft</td><td><input checked="" type="checkbox"/></td></tr> <tr><td><input checked="" type="checkbox"/> 50-100</td><td><input checked="" type="checkbox"/></td></tr> <tr><td><input checked="" type="checkbox"/> 100-150</td><td><input checked="" type="checkbox"/></td></tr> <tr><td><input checked="" type="checkbox"/> 150-200</td><td><input checked="" type="checkbox"/></td></tr> <tr><td><input checked="" type="checkbox"/> 200-250</td><td><input checked="" type="checkbox"/></td></tr> <tr><td><input type="checkbox"/> empty</td><td><input type="checkbox"/></td></tr> <tr><td><input checked="" type="checkbox"/> 300-350</td><td><input checked="" type="checkbox"/></td></tr> <tr><td><input checked="" type="checkbox"/> 350-351</td><td><input checked="" type="checkbox"/></td></tr> </tbody> </table>	User req.	Incl.	<input checked="" type="checkbox"/> 0-50 ft	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 50-100	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 100-150	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 150-200	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 200-250	<input checked="" type="checkbox"/>	<input type="checkbox"/> empty	<input type="checkbox"/>	<input checked="" type="checkbox"/> 300-350	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 350-351	<input checked="" type="checkbox"/>	<p>User-Select ▾</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">User req.</th> <th style="width: 50%;">Incl.</th> </tr> </thead> <tbody> <tr><td><input type="checkbox"/> 0-50 ft</td><td><input type="checkbox"/></td></tr> <tr><td><input type="checkbox"/> 50-100</td><td><input type="checkbox"/></td></tr> <tr><td><input type="checkbox"/> 100-150</td><td><input type="checkbox"/></td></tr> <tr><td><input type="checkbox"/> 150-200</td><td><input type="checkbox"/></td></tr> <tr><td><input checked="" type="checkbox"/> 200-250</td><td><input checked="" type="checkbox"/></td></tr> <tr><td><input checked="" type="checkbox"/> 250-300</td><td><input checked="" type="checkbox"/></td></tr> <tr><td><input checked="" type="checkbox"/> 300-350</td><td><input checked="" type="checkbox"/></td></tr> <tr><td><input checked="" type="checkbox"/> 350-351</td><td><input checked="" type="checkbox"/></td></tr> </tbody> </table>	User req.	Incl.	<input type="checkbox"/> 0-50 ft	<input type="checkbox"/>	<input type="checkbox"/> 50-100	<input type="checkbox"/>	<input type="checkbox"/> 100-150	<input type="checkbox"/>	<input type="checkbox"/> 150-200	<input type="checkbox"/>	<input checked="" type="checkbox"/> 200-250	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 250-300	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 300-350	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 350-351	<input checked="" type="checkbox"/>	<p>User-Select ▾</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">User req.</th> <th style="width: 50%;">Incl.</th> </tr> </thead> <tbody> <tr><td><input type="checkbox"/> 0-50 ft</td><td><input type="checkbox"/></td></tr> <tr><td><input type="checkbox"/> 50-100</td><td><input type="checkbox"/></td></tr> <tr><td><input type="checkbox"/> 100-150</td><td><input type="checkbox"/></td></tr> <tr><td><input type="checkbox"/> 150-200</td><td><input type="checkbox"/></td></tr> <tr><td><input checked="" type="checkbox"/> 200-250</td><td><input checked="" type="checkbox"/></td></tr> <tr><td><input checked="" type="checkbox"/> 250-300</td><td><input checked="" type="checkbox"/></td></tr> <tr><td><input checked="" type="checkbox"/> 300-350</td><td><input checked="" type="checkbox"/></td></tr> <tr><td><input checked="" type="checkbox"/> 350-400</td><td><input checked="" type="checkbox"/></td></tr> <tr><td><input checked="" type="checkbox"/> 400-450</td><td><input checked="" type="checkbox"/></td></tr> <tr><td><input checked="" type="checkbox"/> 450-500</td><td><input checked="" type="checkbox"/></td></tr> <tr><td><input checked="" type="checkbox"/> 500-550</td><td><input checked="" type="checkbox"/></td></tr> <tr><td><input checked="" type="checkbox"/> 550-600</td><td><input checked="" type="checkbox"/></td></tr> <tr><td><input checked="" type="checkbox"/> 600-650</td><td><input checked="" type="checkbox"/></td></tr> <tr><td><input checked="" type="checkbox"/> 650-698</td><td><input checked="" type="checkbox"/></td></tr> </tbody> </table>	User req.	Incl.	<input type="checkbox"/> 0-50 ft	<input type="checkbox"/>	<input type="checkbox"/> 50-100	<input type="checkbox"/>	<input type="checkbox"/> 100-150	<input type="checkbox"/>	<input type="checkbox"/> 150-200	<input type="checkbox"/>	<input checked="" type="checkbox"/> 200-250	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 250-300	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 300-350	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 350-400	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 400-450	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 450-500	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 500-550	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 550-600	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 600-650	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 650-698	<input checked="" type="checkbox"/>	<p>User-Select ▾</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">User req.</th> <th style="width: 50%;">Incl.</th> </tr> </thead> <tbody> <tr><td><input type="checkbox"/> 0-50 ft</td><td><input type="checkbox"/></td></tr> <tr><td><input type="checkbox"/> 50-100</td><td><input type="checkbox"/></td></tr> <tr><td><input type="checkbox"/> 100-150</td><td><input type="checkbox"/></td></tr> <tr><td><input type="checkbox"/> 150-200</td><td><input type="checkbox"/></td></tr> <tr><td><input checked="" type="checkbox"/> 200-250</td><td><input checked="" type="checkbox"/></td></tr> <tr><td><input checked="" type="checkbox"/> 250-300</td><td><input checked="" type="checkbox"/></td></tr> <tr><td><input checked="" type="checkbox"/> 300-350</td><td><input checked="" type="checkbox"/></td></tr> <tr><td><input checked="" type="checkbox"/> 350-400</td><td><input checked="" type="checkbox"/></td></tr> <tr><td><input checked="" type="checkbox"/> 400-450</td><td><input checked="" type="checkbox"/></td></tr> <tr><td><input checked="" type="checkbox"/> 450-500</td><td><input checked="" type="checkbox"/></td></tr> <tr><td><input checked="" type="checkbox"/> 500-550</td><td><input checked="" type="checkbox"/></td></tr> <tr><td><input checked="" type="checkbox"/> 550-600</td><td><input checked="" type="checkbox"/></td></tr> </tbody> </table>	User req.	Incl.	<input type="checkbox"/> 0-50 ft	<input type="checkbox"/>	<input type="checkbox"/> 50-100	<input type="checkbox"/>	<input type="checkbox"/> 100-150	<input type="checkbox"/>	<input type="checkbox"/> 150-200	<input type="checkbox"/>	<input checked="" type="checkbox"/> 200-250	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 250-300	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 300-350	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 350-400	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 400-450	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 450-500	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 500-550	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 550-600	<input checked="" type="checkbox"/>	<p>User-Select ▾</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">User req.</th> <th style="width: 50%;">Incl.</th> </tr> </thead> <tbody> <tr><td><input checked="" type="checkbox"/> SPH 1</td><td><input checked="" type="checkbox"/></td></tr> <tr><td><input checked="" type="checkbox"/> SPH 2</td><td><input checked="" type="checkbox"/></td></tr> <tr><td><input checked="" type="checkbox"/> SPH 3</td><td><input checked="" type="checkbox"/></td></tr> <tr><td><input checked="" type="checkbox"/> SPH 4</td><td><input checked="" type="checkbox"/></td></tr> <tr><td><input checked="" type="checkbox"/> SPH 5</td><td><input checked="" type="checkbox"/></td></tr> <tr><td><input checked="" type="checkbox"/> SPH 6</td><td><input checked="" type="checkbox"/></td></tr> <tr><td><input checked="" type="checkbox"/> SPH 7</td><td><input checked="" type="checkbox"/></td></tr> <tr><td><input checked="" type="checkbox"/> SPH 8</td><td><input checked="" type="checkbox"/></td></tr> <tr><td><input checked="" type="checkbox"/> SPH 9</td><td><input checked="" type="checkbox"/></td></tr> <tr><td><input checked="" type="checkbox"/> SPH 10</td><td><input checked="" type="checkbox"/></td></tr> <tr><td><input checked="" type="checkbox"/> SPH 11</td><td><input checked="" type="checkbox"/></td></tr> <tr><td><input checked="" type="checkbox"/> SPH 12</td><td><input checked="" type="checkbox"/></td></tr> <tr><td><input checked="" type="checkbox"/> SPH 13</td><td><input checked="" type="checkbox"/></td></tr> <tr><td><input checked="" type="checkbox"/> SPH 14</td><td><input checked="" type="checkbox"/></td></tr> <tr><td><input checked="" type="checkbox"/> SPH 15</td><td><input checked="" type="checkbox"/></td></tr> <tr><td><input checked="" type="checkbox"/> SPH 16</td><td><input checked="" type="checkbox"/></td></tr> <tr><td><input checked="" type="checkbox"/> SPH 17</td><td><input checked="" type="checkbox"/></td></tr> <tr><td><input checked="" type="checkbox"/> SPH 18</td><td><input checked="" type="checkbox"/></td></tr> <tr><td><input checked="" type="checkbox"/> SPH 19</td><td><input checked="" type="checkbox"/></td></tr> </tbody> </table>	User req.	Incl.	<input checked="" type="checkbox"/> SPH 1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> SPH 2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> SPH 3	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> SPH 4	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> SPH 5	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> SPH 6	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> SPH 7	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> SPH 8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> SPH 9	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> SPH 10	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> SPH 11	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> SPH 12	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> SPH 13	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> SPH 14	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> SPH 15	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> SPH 16	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> SPH 17	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> SPH 18	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> SPH 19	<input checked="" type="checkbox"/>	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">User req.</th> <th style="width: 50%;">Incl.</th> </tr> </thead> <tbody> <tr><td><input checked="" type="checkbox"/> 0-75 ft</td><td><input checked="" type="checkbox"/></td></tr> </tbody> </table>	User req.	Incl.	<input checked="" type="checkbox"/> 0-75 ft	<input checked="" type="checkbox"/>
User req.	Incl.																																																																																																																																												
<input checked="" type="checkbox"/> 0-50 ft	<input checked="" type="checkbox"/>																																																																																																																																												
<input checked="" type="checkbox"/> 50-100	<input checked="" type="checkbox"/>																																																																																																																																												
<input checked="" type="checkbox"/> 100-150	<input checked="" type="checkbox"/>																																																																																																																																												
<input checked="" type="checkbox"/> 150-200	<input checked="" type="checkbox"/>																																																																																																																																												
<input checked="" type="checkbox"/> 200-250	<input checked="" type="checkbox"/>																																																																																																																																												
<input type="checkbox"/> empty	<input type="checkbox"/>																																																																																																																																												
<input checked="" type="checkbox"/> 300-350	<input checked="" type="checkbox"/>																																																																																																																																												
<input checked="" type="checkbox"/> 350-351	<input checked="" type="checkbox"/>																																																																																																																																												
User req.	Incl.																																																																																																																																												
<input type="checkbox"/> 0-50 ft	<input type="checkbox"/>																																																																																																																																												
<input type="checkbox"/> 50-100	<input type="checkbox"/>																																																																																																																																												
<input type="checkbox"/> 100-150	<input type="checkbox"/>																																																																																																																																												
<input type="checkbox"/> 150-200	<input type="checkbox"/>																																																																																																																																												
<input checked="" type="checkbox"/> 200-250	<input checked="" type="checkbox"/>																																																																																																																																												
<input checked="" type="checkbox"/> 250-300	<input checked="" type="checkbox"/>																																																																																																																																												
<input checked="" type="checkbox"/> 300-350	<input checked="" type="checkbox"/>																																																																																																																																												
<input checked="" type="checkbox"/> 350-351	<input checked="" type="checkbox"/>																																																																																																																																												
User req.	Incl.																																																																																																																																												
<input type="checkbox"/> 0-50 ft	<input type="checkbox"/>																																																																																																																																												
<input type="checkbox"/> 50-100	<input type="checkbox"/>																																																																																																																																												
<input type="checkbox"/> 100-150	<input type="checkbox"/>																																																																																																																																												
<input type="checkbox"/> 150-200	<input type="checkbox"/>																																																																																																																																												
<input checked="" type="checkbox"/> 200-250	<input checked="" type="checkbox"/>																																																																																																																																												
<input checked="" type="checkbox"/> 250-300	<input checked="" type="checkbox"/>																																																																																																																																												
<input checked="" type="checkbox"/> 300-350	<input checked="" type="checkbox"/>																																																																																																																																												
<input checked="" type="checkbox"/> 350-400	<input checked="" type="checkbox"/>																																																																																																																																												
<input checked="" type="checkbox"/> 400-450	<input checked="" type="checkbox"/>																																																																																																																																												
<input checked="" type="checkbox"/> 450-500	<input checked="" type="checkbox"/>																																																																																																																																												
<input checked="" type="checkbox"/> 500-550	<input checked="" type="checkbox"/>																																																																																																																																												
<input checked="" type="checkbox"/> 550-600	<input checked="" type="checkbox"/>																																																																																																																																												
<input checked="" type="checkbox"/> 600-650	<input checked="" type="checkbox"/>																																																																																																																																												
<input checked="" type="checkbox"/> 650-698	<input checked="" type="checkbox"/>																																																																																																																																												
User req.	Incl.																																																																																																																																												
<input type="checkbox"/> 0-50 ft	<input type="checkbox"/>																																																																																																																																												
<input type="checkbox"/> 50-100	<input type="checkbox"/>																																																																																																																																												
<input type="checkbox"/> 100-150	<input type="checkbox"/>																																																																																																																																												
<input type="checkbox"/> 150-200	<input type="checkbox"/>																																																																																																																																												
<input checked="" type="checkbox"/> 200-250	<input checked="" type="checkbox"/>																																																																																																																																												
<input checked="" type="checkbox"/> 250-300	<input checked="" type="checkbox"/>																																																																																																																																												
<input checked="" type="checkbox"/> 300-350	<input checked="" type="checkbox"/>																																																																																																																																												
<input checked="" type="checkbox"/> 350-400	<input checked="" type="checkbox"/>																																																																																																																																												
<input checked="" type="checkbox"/> 400-450	<input checked="" type="checkbox"/>																																																																																																																																												
<input checked="" type="checkbox"/> 450-500	<input checked="" type="checkbox"/>																																																																																																																																												
<input checked="" type="checkbox"/> 500-550	<input checked="" type="checkbox"/>																																																																																																																																												
<input checked="" type="checkbox"/> 550-600	<input checked="" type="checkbox"/>																																																																																																																																												
User req.	Incl.																																																																																																																																												
<input checked="" type="checkbox"/> SPH 1	<input checked="" type="checkbox"/>																																																																																																																																												
<input checked="" type="checkbox"/> SPH 2	<input checked="" type="checkbox"/>																																																																																																																																												
<input checked="" type="checkbox"/> SPH 3	<input checked="" type="checkbox"/>																																																																																																																																												
<input checked="" type="checkbox"/> SPH 4	<input checked="" type="checkbox"/>																																																																																																																																												
<input checked="" type="checkbox"/> SPH 5	<input checked="" type="checkbox"/>																																																																																																																																												
<input checked="" type="checkbox"/> SPH 6	<input checked="" type="checkbox"/>																																																																																																																																												
<input checked="" type="checkbox"/> SPH 7	<input checked="" type="checkbox"/>																																																																																																																																												
<input checked="" type="checkbox"/> SPH 8	<input checked="" type="checkbox"/>																																																																																																																																												
<input checked="" type="checkbox"/> SPH 9	<input checked="" type="checkbox"/>																																																																																																																																												
<input checked="" type="checkbox"/> SPH 10	<input checked="" type="checkbox"/>																																																																																																																																												
<input checked="" type="checkbox"/> SPH 11	<input checked="" type="checkbox"/>																																																																																																																																												
<input checked="" type="checkbox"/> SPH 12	<input checked="" type="checkbox"/>																																																																																																																																												
<input checked="" type="checkbox"/> SPH 13	<input checked="" type="checkbox"/>																																																																																																																																												
<input checked="" type="checkbox"/> SPH 14	<input checked="" type="checkbox"/>																																																																																																																																												
<input checked="" type="checkbox"/> SPH 15	<input checked="" type="checkbox"/>																																																																																																																																												
<input checked="" type="checkbox"/> SPH 16	<input checked="" type="checkbox"/>																																																																																																																																												
<input checked="" type="checkbox"/> SPH 17	<input checked="" type="checkbox"/>																																																																																																																																												
<input checked="" type="checkbox"/> SPH 18	<input checked="" type="checkbox"/>																																																																																																																																												
<input checked="" type="checkbox"/> SPH 19	<input checked="" type="checkbox"/>																																																																																																																																												
User req.	Incl.																																																																																																																																												
<input checked="" type="checkbox"/> 0-75 ft	<input checked="" type="checkbox"/>																																																																																																																																												
<p>SDA North Disposal Area Lagoons</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">User req.</th> <th style="width: 50%;">Incl.</th> </tr> </thead> <tbody> <tr><td><input type="checkbox"/> SDA Northern Lagoon</td><td><input type="checkbox"/></td></tr> <tr><td><input checked="" type="checkbox"/> SDA Southern Lagoon</td><td><input checked="" type="checkbox"/></td></tr> </tbody> </table>						User req.	Incl.	<input type="checkbox"/> SDA Northern Lagoon	<input type="checkbox"/>	<input checked="" type="checkbox"/> SDA Southern Lagoon	<input checked="" type="checkbox"/>																																																																																																																																		
User req.	Incl.																																																																																																																																												
<input type="checkbox"/> SDA Northern Lagoon	<input type="checkbox"/>																																																																																																																																												
<input checked="" type="checkbox"/> SDA Southern Lagoon	<input checked="" type="checkbox"/>																																																																																																																																												

WMA Controls

Run Model

SDA South Facilities Controls

Selection of SDA Facilities and Decision Units: South Disposal Area

SDA Facilities

User-Select ▼

Instructions

• In order to make selections of individual SDA Trenches and Lagoons (Facilities) and 50-ft Intervals (Decision Units) using this dashboard, make sure that the SDA Facilities are user-selectable using the list box control at the upper left corner. This control may

SDA North Disposal Area

SDA North

SDA Trench 8	SDA Trench 9	SDA Trench 10	SDA Trench 11	SDA Trench 12	SDA Trench 13	SDA Trench 14
Select NONE ▼	User-Select ▼	User-Select ▼	User-Select ▼	User-Select ▼	User-Select ▼	User-Select ▼
User req. Incl.	User req. Incl.	User req. Incl.	User req. Incl.	User req. Incl.	User req. Incl.	User req. Incl.
<input checked="" type="checkbox"/> 0-50 ft <input type="checkbox"/>	<input checked="" type="checkbox"/> 0-50 ft <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 0-50 ft <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 0-50 ft <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 0-50 ft <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 0-50 ft <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 0-50 ft <input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> 50-100 <input type="checkbox"/>	<input checked="" type="checkbox"/> 50-100 <input checked="" type="checkbox"/>					
<input checked="" type="checkbox"/> 100-150 <input type="checkbox"/>	<input checked="" type="checkbox"/> 100-150 <input checked="" type="checkbox"/>					
<input checked="" type="checkbox"/> 150-200 <input type="checkbox"/>	<input checked="" type="checkbox"/> 150-200 <input checked="" type="checkbox"/>	<input type="checkbox"/> 150-200 <input type="checkbox"/>	<input checked="" type="checkbox"/> 150-200 <input checked="" type="checkbox"/>			
<input checked="" type="checkbox"/> 200-250 <input type="checkbox"/>	<input checked="" type="checkbox"/> 200-250 <input checked="" type="checkbox"/>					
<input checked="" type="checkbox"/> 250-300 <input type="checkbox"/>	<input checked="" type="checkbox"/> 250-300 <input checked="" type="checkbox"/>					
<input checked="" type="checkbox"/> 300-350 <input type="checkbox"/>	<input checked="" type="checkbox"/> 300-350 <input checked="" type="checkbox"/>					
<input checked="" type="checkbox"/> 350-400 <input type="checkbox"/>	<input checked="" type="checkbox"/> 350-400 <input checked="" type="checkbox"/>					
<input type="checkbox"/> 400-450 <input type="checkbox"/>	<input type="checkbox"/> 400-450 <input type="checkbox"/>	<input type="checkbox"/> 400-450 <input type="checkbox"/>	<input type="checkbox"/> 400-450 <input type="checkbox"/>	<input type="checkbox"/> 400-450 <input type="checkbox"/>	<input type="checkbox"/> 400-450 <input type="checkbox"/>	<input type="checkbox"/> 400-450 <input type="checkbox"/>
<input type="checkbox"/> 450-500 <input type="checkbox"/>	<input type="checkbox"/> 450-500 <input type="checkbox"/>	<input type="checkbox"/> 450-500 <input type="checkbox"/>	<input type="checkbox"/> 450-500 <input type="checkbox"/>	<input type="checkbox"/> 450-500 <input type="checkbox"/>	<input type="checkbox"/> 450-500 <input type="checkbox"/>	<input type="checkbox"/> 450-500 <input type="checkbox"/>
<input type="checkbox"/> 500-564 <input type="checkbox"/>	<input type="checkbox"/> 500-550 <input type="checkbox"/>	<input type="checkbox"/> 500-550 <input type="checkbox"/>	<input type="checkbox"/> 500-550 <input type="checkbox"/>	<input type="checkbox"/> 500-550 <input type="checkbox"/>	<input type="checkbox"/> 500-550 <input type="checkbox"/>	<input type="checkbox"/> 500-550 <input type="checkbox"/>
	<input type="checkbox"/> 550-561 <input type="checkbox"/>	<input type="checkbox"/> 550-554 <input type="checkbox"/>	<input type="checkbox"/> 550-554 <input type="checkbox"/>	<input type="checkbox"/> 550-554 <input type="checkbox"/>	<input type="checkbox"/> 550-600 <input type="checkbox"/>	<input type="checkbox"/> 550-600 <input type="checkbox"/>
					<input type="checkbox"/> 600-610 <input type="checkbox"/>	<input type="checkbox"/> 600-659 <input type="checkbox"/>

SDA South Disposal Area Lagoon

User req. Incl.

SDA Inactive Lagoon

WMA Controls

Run Model

Results Dashboards

Control Panel for the West Valley Probabilistic Performance Assessment Model

Welcome to the West Valley Probabilistic Performance Assessment Model

Brief explanation of the model and its results goes here.

Model Settings

Select Facilities and Decision Units to include in the modeling. Simulate the effect of Phase 2 source removal by deselecting any given decision unit. These are organized by WMA and are accessed by the WMA Control button below.

WMA Controls

Model Results

Model results of regulatory interest include future doses and risks to human and ecological systems, and the ground surface flux of radon.

Results Dashboard

Browse Model Simulation Settings Run Model



Results Index

Contaminant Transport Results Index by WMA

This is an index to results for areas of interest, including each of the WMAs.



Control Panel

Results Dashboard

Simulation Settings

Run Model

SDA Contaminant Transport Results

Contaminant Transport Results for WMA 8 (SDA)

These are results for WMA 8 (the SDA), showing concentrations of contaminants in different layers of interest.
These are some examples of what might be displayed.

SDA Facilities

	northern trenches and lagoons									southern trenches and lagoon							
conc. in Top Soil (0-1 cm)	1	2	3	4	5	6	7	LN	LS	8	9	10	11	12	13	14	LI
conc. in TopSoil+Soil (0-15 cm)	1	2	3	4	5	6	7	LN	LS	8	9	10	11	12	13	14	LI
conc. in TopSoil+Soil+Cover	1	2	3	4	5	6	7	LN	LS	8	9	10	11	12	13	14	LI
conc. in Waste	1	2	3	4	5	6	7	LN	LS	8	9	10	11	12	13	14	LI
conc. in well water	1	2	3	4	5	6	7	LN	LS	8	9	10	11	12	13	14	LI
Rn222 ground surface flux	1	2	3	4	5	6	7	LN	LS	8	9	10	11	12	13	14	LI
ctt. flux from Soil layer to creeks	1	2	3	4	5	6	7	LN	LS	8	9	10	11	12	13	14	LI
ctt. flux from Waste layer to creeks	1	2	3	4	5	6	7	LN	LS	8	9	10	11	12	13	14	LI

Control Panel

Results Index

Erosion Results

Simulation Settings

Run Model

SDA Erosion Results

Erosion Breaching Results for WMA 8 (SDA)

These are results for WMA 8 (the SDA), showing the timing and culprit in breaching of SDA Facilities by erosion. **These are some examples of what might be displayed.**

southern trenches and lagoon					northern trenches and lagoons						
	time of breach	FS	FE	EB	BC		time of breach	FS	FE	EB	BC
Inactive Lagoon	0 yr	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Northern Lagoon	0 yr	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Trench 14	0 yr	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Trench 7	0 yr	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Trench 13	0 yr	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Trench 6	0 yr	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Trench 12	0 yr	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Trench 5	0 yr	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Trench 11	0 yr	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Trench 4	0 yr	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Trench 10	0 yr	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Trench 3	0 yr	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Trench 9	0 yr	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Trench 2	0 yr	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Trench 8	0 yr	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Trench 1	0 yr	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

FS: Frank's Creek (south)

EB: Erdman Brook

FE: Frank's Creek (east)

BC: Buttermilk Creek

Control Panel

Results Index

Model Layout

Simulation Settings

Run Model

Dose to On-Site Resident Farmer

Radiological Dose Results for the On-Site Resident Farmer

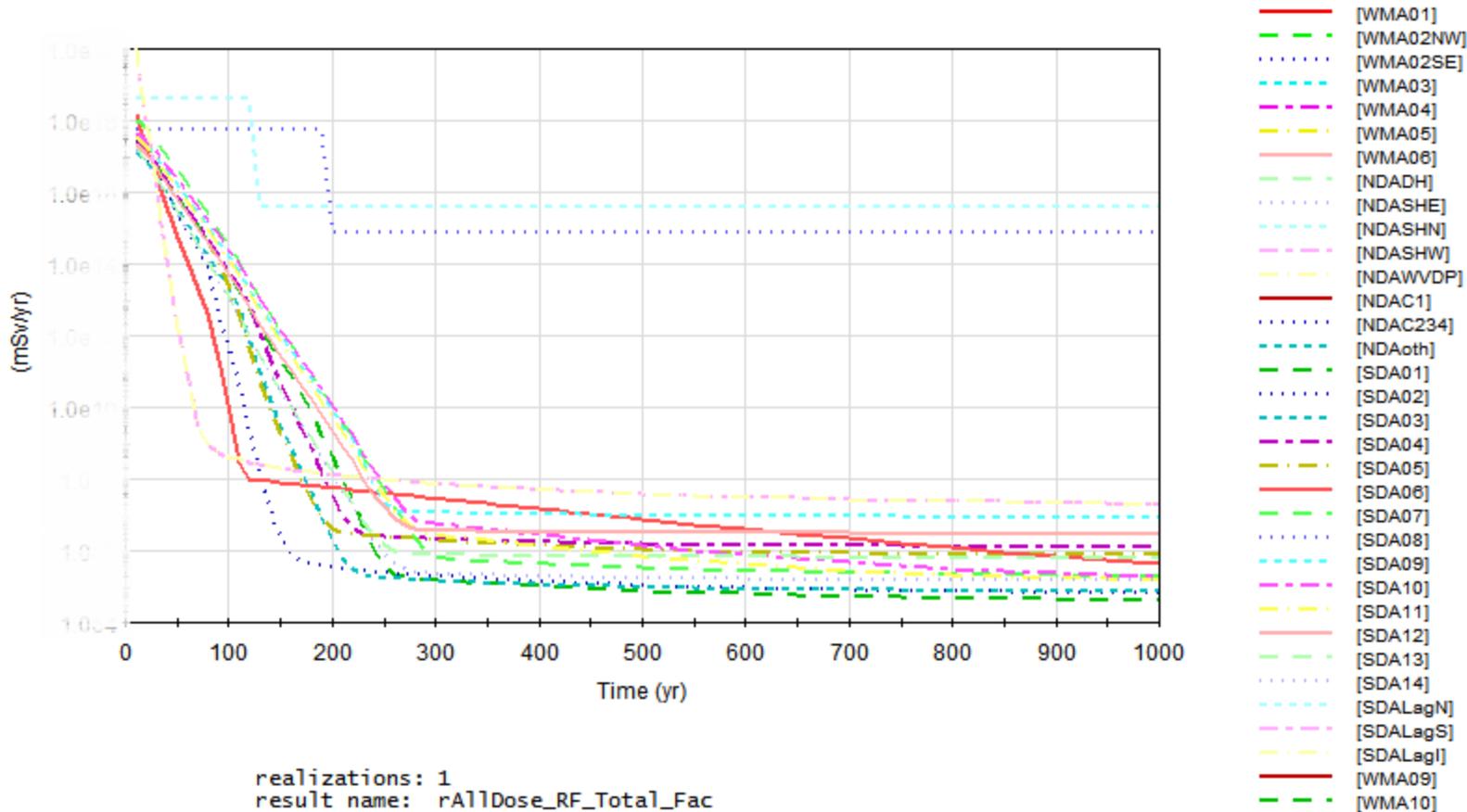
This control panel has buttons to display results of the radiological dose calculations for the On-Site Resident Farmer. One result shows the total dose from all exposure pathways to the Resident Farmer assuming s/he is residing on a specific Facility, showing all Facilities on one time series graph. Additional results are available for each Facility including

By Facility:	dose from all exp pathways	peak dose (mSv in a year)	time of peak (year)	dose by radionuclide	dose by exp pathway	dose from external, ingestion, inhalation		
WMA 1	All Dose	8.808 mSv/yr	0 yr	by Radionuclide	by Pathway	Ext	Ing	Inh
WMA 2 NW	All Dose	8.808 mSv/yr	0 yr	by Radionuclide	by Pathway	Ext	Ing	Inh
WMA 2 SE	All Dose	8.808 mSv/yr	0 yr	by Radionuclide	by Pathway	Ext	Ing	Inh
WMA 3 (WTF)	All Dose	8.808 mSv/yr	0 yr	by Radionuclide	by Pathway	Ext	Ing	Inh
WMA 4	All Dose	8.816 mSv/yr	0 yr	by Radionuclide	by Pathway	Ext	Ing	Inh
WMA 5	All Dose	8.808 mSv/yr	0 yr	by Radionuclide	by Pathway	Ext	Ing	Inh
WMA 6	All Dose	8.808 mSv/yr	0 yr	by Radionuclide	by Pathway	Ext	Ing	Inh
WMA 7 (NDA)	WMA 7 Doses							
WMA 8 (SDA)	WMA 8 North	WMA 8 South						
WMA 9	All Dose	8.808 mSv/yr	0 yr	by Radionuclide	by Pathway	Ext	Ing	Inh
WMA 10	All Dose	8.808 mSv/yr	0 yr	by Radionuclide	by Pathway	Ext	Ing	Inh
All Facilities	Dose by Facility							



RF Dose by Facility

Dose from All Exposure Pathways to the Resident Farmer on each Facility



realizations: 1
 result name: rAllDose_RF_Total_Fac
 model file: West Valley PPA Model v0.007 demo.gsm
 timestamp: 2 Aug 2017 13:59:17
 GoldSim 12.0.0379



RF Dose for SDA South Facilities

Rad. Dose Results for the On-Site Resident Farmer at WMA 8 (the SDA) Southern Facilities

This control panel has buttons to display results of the radiological dose calculations for the On-Site Resident Farmer located over Facilities in the NY State-Licensed Disposal Area (the SDA, or WMA 8) Southern Trenches and Lagoons. One result shows the total dose from all exposure pathways to the Resident Farmer assuming s/he is residing on a specific Facility, showing all Facilities on one time series graph

Radiological Dose
WMA 8 (SDA) Southern Trenches and Lagoons

	dose from all exp pathways	peak dose (mSv in a year)	time of peak (year)	dose by radionuclide	dose by exp pathway	dose from external, ingestion, inhalation		
Trench 8	All Dose	0 mSv/yr	0 yr	by Radionuclide	by Pathway	Ext	Ing	Inh
Trench 9	All Dose	0 mSv/yr	0 yr	by Radionuclide	by Pathway	Ext	Ing	Inh
Trench 10	All Dose	0 mSv/yr	0 yr	by Radionuclide	by Pathway	Ext	Ing	Inh
Trench 11	All Dose	0 mSv/yr	0 yr	by Radionuclide	by Pathway	Ext	Ing	Inh
Trench 12	All Dose	0 mSv/yr	0 yr	by Radionuclide	by Pathway	Ext	Ing	Inh
Trench 13	All Dose	0 mSv/yr	0 yr	by Radionuclide	by Pathway	Ext	Ing	Inh
Trench 14	All Dose	0 mSv/yr	0 yr	by Radionuclide	by Pathway	Ext	Ing	Inh
Inact. Lagoon	All Dose	0 mSv/yr	0 yr	by Radionuclide	by Pathway	Ext	Ing	Inh

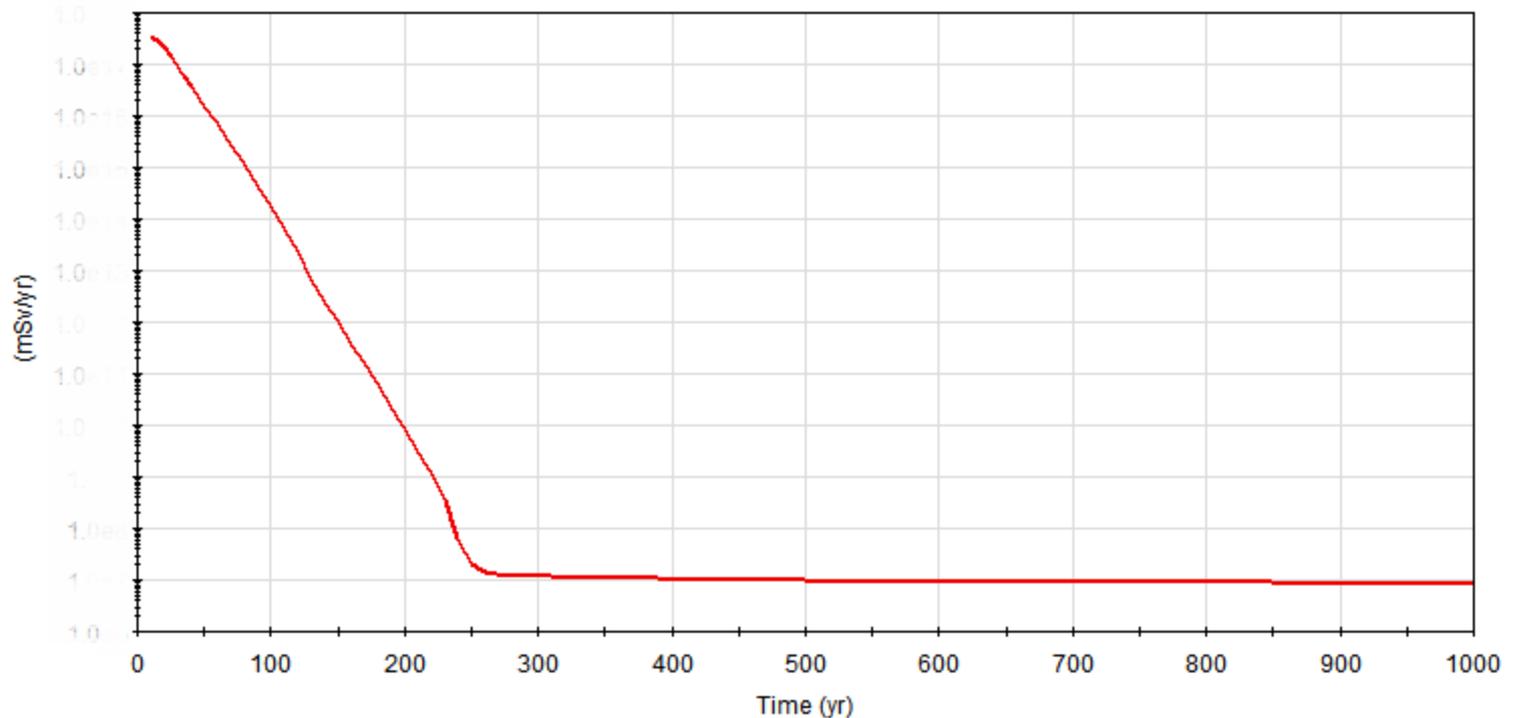
Controls: SDA South

Control Panel Doses SDA North Doses NDA Facilities Doses Other WMAs Simulation Settings Run Model



RF Dose for SDA Trench 9

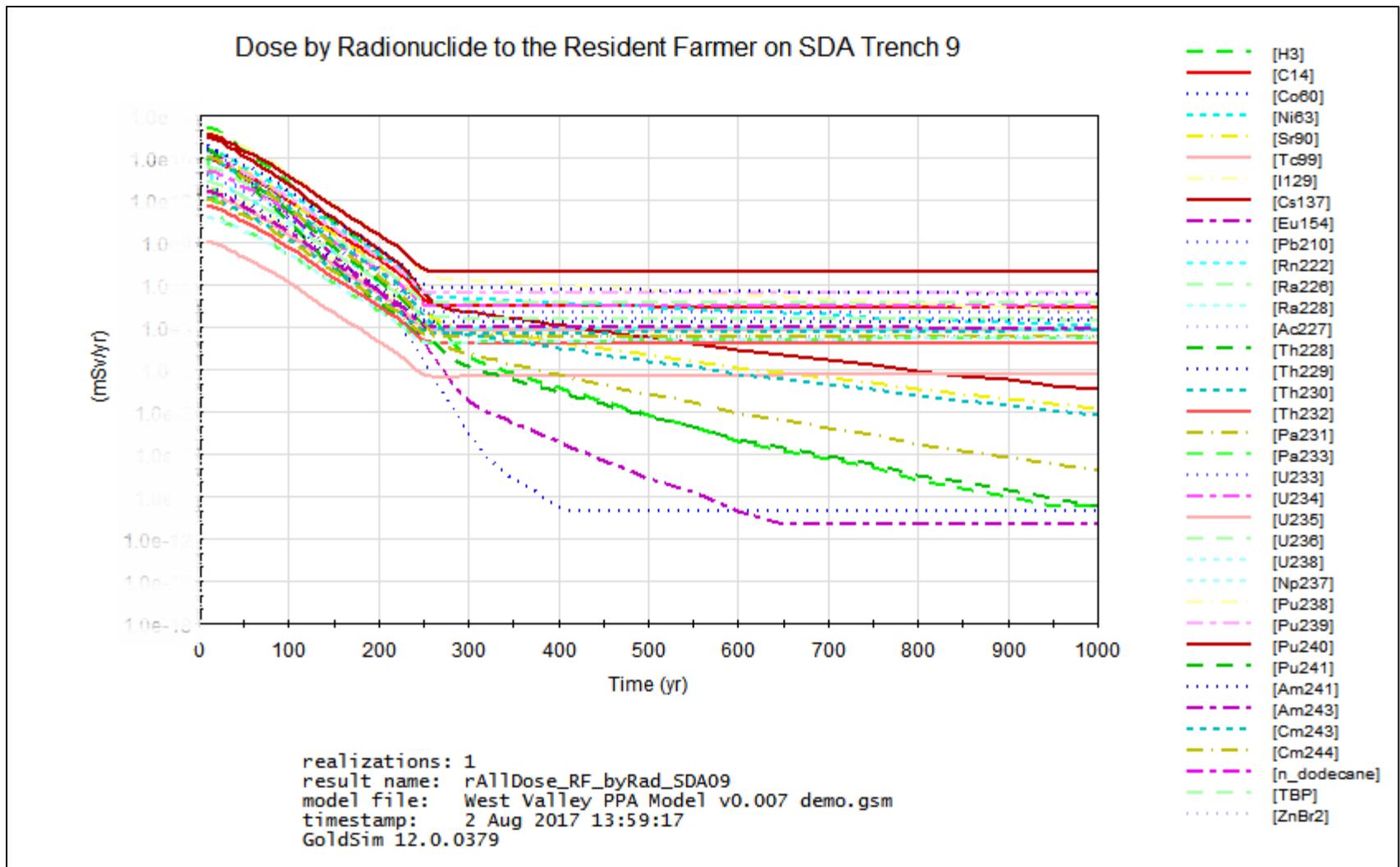
Dose from All Exposure Pathways to the Resident Farmer on SDA Trench 9



realizations: 1
result name: rAllDose_RF_Total_SDA09
model file: West Valley PPA Model v0.007 demo.gsm
timestamp: 2 Aug 2017 13:59:17
GoldSim 12.0.0379

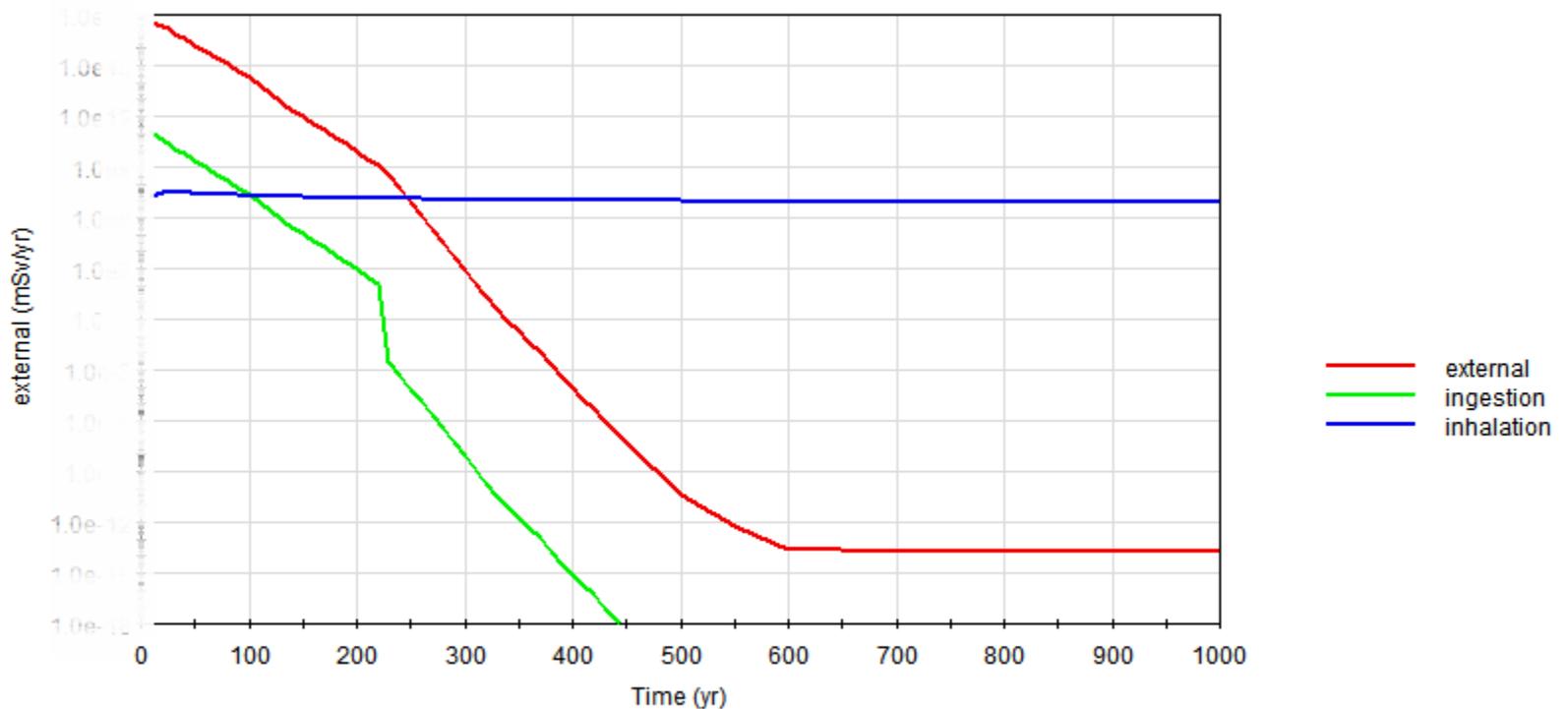


RF Dose • SDA 9, by Radionuclide



RF Dose • SDA 9, by Pathway

Dose by Exposure Pathway to the Resident Farmer on SDA Trench 9



realizations: 1
result name: rDose_RF_byPath_SDA09
model file: West Valley PPA Model v0.007 demo.gsm
timestamp: 2 Aug 2017 13:59:17
GoldSim 12.0.0379



RF Dose • SDA 9, External Irradiation

