

**Commentor No. 2118: Maye Thompson**

Dear Secretary Richardson,

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor:

*I know there is a need for the medical products to be made by the fast flux reactor, but we absolutely must clean up the current mess before we make more nuclear waste*

Sincerely,

Name Maye Thompson, RN Address 734 SE 47th Ave  
City Portland State OR ZIP 97215

Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.

|| 2118-1 || 2118-2

2118-1

**Response to Commentor No. 2118**

- 2118-1:** DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement.
- 2118-2:** DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF.

**Commentor No. 2119: Daphne Hyde**

Dear Secretary, Washington,

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor:

|| 2119-1 || 2119-2

I am extremely concerned regarding the  
leaching of Nuclear waste towards the pristine  
Columbia River. — We do NOT want  
further Nuclear Waste deposited at this site  
which is a peril as it is, at present! We  
do not want the Reactor activated causing  
further Nuclear Waste & pollutants

2119-1

2119-3

Sincerely,

Name Daphne Hyde Address P.O. Box 5485  
 City Kent State WA ZIP 98064

Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns. ✓

**Response to Commentor No. 2119**

- 2119-1:** DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement. As stated in Section N.3.2, implementation of the nuclear infrastructure alternatives would not divert or reprogram budgeted funds designated for Hanford cleanup, regardless of the alternative(s) selected.
- FFTF is approximately 4.5 miles from the Columbia River. There are no discharges to the river from FFTF and no radioactive or hazardous discharges to groundwater. As indicated in analyses presented in Chapter 4 of Volume 1 (e.g., Sections 4.3.1.1.4, 4.3.3.1.4, 4.4.3.1.4, 4.5.3.2.4, and 4.6.3.2.4), there would be no discernible impacts to groundwater or surface water quality at Hanford from operation of Hanford facilities that would support the nuclear infrastructure missions described in Section 1.2 of Volume 1.
- 2119-2:** DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF, and opposition to Alternative 1, Restart FFTF.
- 2119-3:** See response 2119-2.

## Commentor No. 2120: Lyndra Saunders

Dear Secretary Richardson,

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor:

*Because of deregulation, NRC downsided staff, which means less tests... NOT including aging. (OPB radia, 8/18/00) We must not allow the dangerous FFTF Nuclear Reactor to restart. Our water, fish, + quality of life will suffer. Nuclear industry must be monitored <sup>more</sup> carefully.*

Sincerely,

Name LYNDRA SAUNDERS Address 13790 S.W. KNAUS Rd.  
City LAKE OSWEGO State OR ZIP 97034

Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.

|| 2120-1 || 2120-2

2120-3

2120-4

2120-5

## Response to Commentor No. 2120

- 2120-1:** DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement.
- 2120-2:** DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF, and opposition to Alternative 1, Restart FFTF.
- 2120-3:** See response to comment 2120-2.
- 2120-4:** All air emissions and wastewater discharges would be in accordance with applicable permit and regulatory requirements. The releases of air pollutants and contaminated liquid are addressed in Section 4.3 of the draft NI PEIS. The release of air pollutants would result in concentrations well below Federal and state air standards (Table 4-13). The release of radioactivity and hazardous chemicals into the atmosphere would have a negligible effect on human health (Tables 4-17 and 4-19, respectively). There would be no discernible impacts to groundwater or surface water quality (Section 4.3.1.1.4). All impacts on ecological resources, including animals and fish, associated with operation of the FFTF would be small (Section 4.3.1.1.6). It is concluded that operation of the FFTF would have small adverse effects on the environment.
- 2120-5:** DOE notes the commentor's concern over safety of the nuclear industry, although this general issue is beyond the scope of this Nuclear Infrastructure PEIS. The health and safety of workers and the public is a priority of the nuclear infrastructure program, regardless of which approach is chosen. Operation of the facilities would comply with applicable Federal, State, and local laws and regulations governing radiological and hazardous chemical releases.

**Commentor No. 2121: Michael R. Maine**

Dear Secretary NICHOLSON,

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor:

*You have a schedule and a "Plan" Let Schedule  
To go / speed things up and get the CLEANUP  
DONE!!*

*Also, until you clean-up what's there now, it  
makes no sense to "Make" more.*

Sincerely, *Michael R. Maine*

Name *Michael R. Maine* Address *3001 So. 288th #165*

City *Federal Way* State *WA* ZIP *98003*

Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.

|| 2121-1 || 2121-2

2121-1

**Response to Commentor No. 2121**

**2121-1:** DOE notes the commentor's opposition to Alternative 1, Restart FFTF, and concerns regarding the existing cleanup mission at Hanford. DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement. As stated in Section N.3.2, implementation of the nuclear infrastructure alternatives would not divert or reprogram budgeted funds designated for Hanford cleanup, regardless of the alternative(s) selected.

As identified in Section 4.3.1.1.13 of the NI PEIS, the restart of FFTF would generate about 63 cubic meters of additional radioactive waste (e.g., solid low-level radioactive waste) annually, in addition to nonhazardous wastes. This would account for about 2,205 cubic meters of additional radioactive waste to be generated over the 35-year period of nuclear infrastructure operations and is small in comparison to the waste generated by current Hanford activities. It is DOE's policy that all wastes be managed (i.e., treated, stored and disposal) in a safe and environmentally protective manner and in compliance with all applicable Federal and state laws and regulations and applicable DOE orders.

The NI PEIS addressed the environmental impacts due to the treatment, storage, and disposal of the waste generated by the proposed actions for all alternatives and alternative options. Waste minimization programs at each of the proposed sites are also addressed. These programs will be implemented for the alternative selected in the Record of Decision.

**2121-2:** DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF.

## Commentor No. 2122: Bruce Howard

Dear Secretary Richardson,

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor:

NO GOOD, HOWEVER MEASURED, JUSTIFIES THE  
 MANY THOUSANDS OF YEARS OF RISK FROM THE  
 NUCLEAR PROGRAM WASTE. IF YOU BELIEVE  
 IT IS SAFE TO CONTINUE, TAKE ONE CORE  
 URANIUM FUEL ROD HOME WITH YOU  
 THEN SHOW IT UP YOUR ASS.

Sincerely, ANOTHER STUPID HUMAN,

Name BRUCE HOWARD Address 1615 TAYLOR  
 City HOOD RIVER State OR ZIP 97031

Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.

|| 2122-1 || 2122-2

2122-3

## Response to Commentor No. 2122

- 2122-1: DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement.
- 2122-2: DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF.
- 2122-3: The commentor's positions on nuclear programs and spent nuclear fuel disposition are noted. DOE policy regarding the risk associated with the storage of nuclear waste has been developed on the basis of extensive review and analysis of data, as well as development of waste management technologies. The PEIS is premised on and consistent with such DOE policy, and confirms small additional risks associated with proposed actions.

**Commentor No. 2123: Linda Malan**

Dear Secretary Richardson,

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor:

*Please focus on the clean-up  
and do not add more waste  
to an already dangerous sit-  
uation. Please do not restart  
the FFTF reactor*

Sincerely,

*Linda Malan*

Name LINDA MALAN Address 830 OLYMPIC AVE  
City EDMONDS State WA ZIP 98020

*Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.*

|| 2123-1 || 2123-2

2123-1

2123-3

**Response to Commentor No. 2123**

**2123-1:** DOE notes the commentor's opposition to Alternative 1, Restart FFTF, and concerns regarding the existing cleanup mission at Hanford. DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement. As stated in Section N.3.2, implementation of the nuclear infrastructure alternatives would not divert or reprogram budgeted funds designated for Hanford cleanup, regardless of the alternative(s) selected.

As identified in Section 4.3.1.1.13 of the NI PEIS, the restart of FFTF would generate about 63 cubic meters of additional radioactive waste (e.g., solid low-level radioactive waste) annually, in addition to nonhazardous wastes. This would account for about 2,205 cubic meters of additional radioactive waste to be generated over the 35-year period of nuclear infrastructure operations and is small in comparison to the waste generated by current Hanford activities. It is DOE's policy that all wastes be managed (i.e., treated, stored and disposal) in a safe and environmentally protective manner and in compliance with all applicable Federal and state laws and regulations and applicable DOE orders.

The NI PEIS addressed the environmental impacts due to the treatment storage, and disposal of the waste generated by the proposed actions for all alternatives and alternative options. Waste minimization programs at each of the proposed sites are also addressed. These programs will be implemented for the alternative selected in the Record of Decision.

**2123-2:** DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF, and opposition to Alternative 1, Restart FFTF.

**2123-3:** See response to comment 2123-2.

**Commentor No. 2124: Don Pennell**

Dear Secretary Richardson,

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor: || 2124-1 || 2124-2

*We join with Oregon in  
trying to protect the  
Columbia River!  
And why are we burying  
NEW waste there?*

2124-1

Sincerely,

Name M/M DON PENWELL Address 9029 NE 36TH ST.  
City BELLEVUE State WA ZIP 98004-1201

( Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns. )

**Response to Commentor No. 2124**

**2124-1:** DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement. As stated in Section N.3.2, implementation of the nuclear infrastructure alternatives would not divert or reprogram budgeted funds designated for Hanford cleanup, regardless of the alternative(s) selected.

FFTF is approximately 4.5 miles from the Columbia River. There are no discharges to the river from FFTF and no radioactive or hazardous discharges to groundwater. As indicated in analyses presented in Chapter 4 of Volume 1 (e.g., Sections 4.3.1.1.4, 4.3.3.1.4, 4.4.3.1.4, 4.5.3.2.4, and 4.6.3.2.4), there would be no discernible impacts to groundwater or surface water quality at Hanford from operation of Hanford facilities that would support the nuclear infrastructure missions described in Section 1.2 of Volume 1.

The Hanford Site has both commercial and DOE waste disposal sites permitted by the State of Washington. The permit conditions ensure hazardous wastes are treated, stored, and disposed in a safe manner.

**2124-2:** DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF.

**Commentor No. 2125: Nancy Hannah**

Dear Secretary Richardson,

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor:

*It is difficult for me to understand why you would even be considering a move to restart the FFTF nuclear reactor. The danger seems overwhelming. We need to take care of the mess we have already created - Please do not start this reactor up again.*

Sincerely,

Name Nancy Hannah Address 7526 27<sup>th</sup> Ave NE  
City Seattle, State WA ZIP 98115

Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.

Secretary Richardson,

|| 2125-1 || 2125-2

2125-3

**Response to Commentor No. 2125**

- 2125-1:** DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement.
- 2125-2:** DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF.
- 2125-3:** DOE notes commentor's opposition to Alternative 1, Restart FFTF.

**Commentor No. 2126: Jacquet Weisen**

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor:

*Restarting the nuclear reactor will increase the  
scope of accidents + further contamination in the  
Northwest. Don't do it. Shut it down as quickly. Prevent  
ion of Columbia River contamination is vital for all  
human communities. We can't risk more high-level  
nuclear waste production. Honor your clean up plan!*

Sincerely,

*Jacquet Weisenbach*

Name Jacquet Weisenbach Address 67A 56<sup>th</sup> Ave. So

City Seattle State WA ZIP 98118

*Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.*

|| 2126-1 || 2126-2

|| 2126-3

|| 2126-1

|| 2126-4

|| 2126-1

**Response to Commentor No. 2126**

**2126-1:** DOE notes the commentor's opposition to Alternative 1, Restart FFTF, and concerns regarding the existing cleanup mission at Hanford and the protection of the Columbia River. DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement. As stated in Section N.3.2, implementation of the nuclear infrastructure alternatives would not divert or reprogram funds designated for Hanford cleanup, regardless of the alternative(s) selected.

FFTF is approximately 4.5 miles from the Columbia River. There are no discharges to the river from FFTF and no radioactive or hazardous discharges to groundwater. As indicated in analyses presented in Chapter 4 of Volume 1 (e.g., Sections 4.3.1.1.4, 4.3.3.1.4, 4.4.3.1.4, 4.5.3.2.4, and 4.6.3.2.4), there would be no discernible impacts to groundwater or surface water quality at Hanford from operation of Hanford facilities that would support the nuclear infrastructure missions described in Section 1.2 of Volume 1.

**2126-2:** DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF.

**2126-3:** FFTF can be safely operated to support the nuclear infrastructure missions described in Section 1.2 of Volume 1. Section 4.3 of Volume 1 provides the results of the evaluation of potential health impacts that would be expected to result from implementation of Alternative 1, including normal operations and a spectrum of accidents that included severe accidents. The environmental analysis showed that radiological and nonradiological risks associated with restarting FFTF would be small.

**2126-4:** DOE notes the commentor's concern regarding high-level radioactive waste generation. The NI PEIS addressed the environmental impacts due to the treatment, storage, and disposal of the waste generated by the proposed action for all alternatives and alternative options. Waste minimization programs at each of the proposed sites are also addressed.

***Commentor No. 2126: Jacquinet Weisen (Cont'd)***

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***Response to Commentor No. 2126***

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These programs will be implemented for the alternative selected in the Record of Decision. The waste generated from any of the proposed alternatives in the NI PEIS will be managed (i.e., treated, stored and disposed) in a safe and environmentally protective manner and in compliance with all applicable Federal and state laws and regulations and applicable DOE orders.

**Commentor No. 2127: Kathy Lobry**

Dear Secretary Richardson,

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor:

We are having a hard enough time trying to clean up and contain the waste that is already there.  
Why would we want to create more waste and start all over again???

We need to clean up the waste. It is already too close to a major water source. Please do not create more problems!!

Sincerely,

*Kathy Lobry*Name Kathy Lobry Address 8519 N.E. 19th Ave.City Vancouver, State WA, ZIP 98665

Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.

|| 2127-1 || 2127-2

2127-1

**Response to Commentor No. 2127**

**2127-1:** DOE notes the commentor's opposition to Alternative 1, Restart FFTF, and concerns regarding the existing cleanup mission at Hanford and the protection of the Columbia River. DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement. As stated in Section N.3.2, implementation of the nuclear infrastructure alternatives would not divert or reprogram funds designated for Hanford cleanup, regardless of the alternative(s) selected.

FFTF is approximately 4.5 miles from the Columbia River. There are no discharges to the river from FFTF and no radioactive or hazardous discharges to groundwater. As indicated in analyses presented in Chapter 4 of Volume 1 (e.g., Sections 4.3.1.1.4, 4.3.3.1.4, 4.4.3.1.4, 4.5.3.2.4, and 4.6.3.2.4), there would be no discernible impacts to groundwater or surface water quality at Hanford from operation of Hanford facilities that would support the nuclear infrastructure missions described in Section 1.2 of Volume 1.

**2127-2:** DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF.

**Commentor No. 2128: Gene Derig**

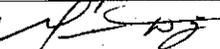
Dear Secretary Richardson,

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor: || 2128-1 || 2128-2

I've written to you before on this  
subject so I'll be brief for this time:  
- Shut down the FFTF Reactor.  
- Stop violating the clean-up agreement  
- Footdragging is causing delays that  
only add to the chances of disaster.

2128-2

2128-1

Sincerely, 

Name GENE DERIG Address 1302 K. AVE (P.O. Box 34)  
City Anacortes State WA ZIP 98221

*Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.*

**Response to Commentor No. 2128**

- 2128-1:** DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement.
- 2128-2:** DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF.

**Commentor No. 2129: Anonymous**

Dear Secretary Richardson,

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor:

Is DOE saying the DEIS of Hanford's  
FFTF is NONsignificant by their  
Determination? --WRONG!!!

Please Mr. Richardson, speak the  
Truth about this travesty of justice.

Jerome + JoAnn Klacsan

Sincerely,

Name \_\_\_\_\_ Address POB 533  
City North Bend State WA ZIP 98045

Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.

|| 2129-1 || 2129-2

2129-3

**Response to Commentor No. 2129**

- 2129-1:** DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement.
- 2129-2:** DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF.
- 2129-3:** It is not suggested that there are no environmental impacts associated with restart and operation of the FFTF. However, the impacts to the biosphere would indeed be small as demonstrated by the results of the detailed assessments performed for the NI PEIS. All air emissions and wastewater discharges to the environment would be in accordance with applicable permit and regulatory requirements. The releases of air pollutants and contaminated liquids associated with FFTF operations are addressed in detail in Section 4.3 of the draft NI PEIS. The release of criteria air pollutants would result in concentrations well below Federal and state air standards (Table 4-13); the releases of radioactivity and hazardous chemicals into the atmosphere would have a negligible effect on human health (Tables 4-17 and 4-19, respectively); and no discernible impacts to groundwater or surface water quality would result from water discharges (Section 4.3.1.1.4).

**Commentor No. 2130: Florence B. Wager**

Dear Secretary Richardson,

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor:

*It would appear that citizens down  
river from Hanford have more to fear about  
a nuclear threat from their own country  
than from a foreign foe. No more  
nuclear waste should be added to the  
leaking tanks existing. Clean it up!*

Sincerely,

Name Florence B Wager Address 7100 Topika In  
City Unconville State WA ZIP 98664

Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.

|| 2130-1 || 2130-2

2130-3

2130-4

**Response to Commentor No. 2130**

- 2130-1:** DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement.
- 2130-2:** DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF.
- 2130-3:** The commentors's opposition to the restart of FFTF is noted. This PEIS has provided an estimate of the incremental potential human health impacts associated with a reasonable range of alternatives (including the restart of FFTF) for the production of isotopes for medical uses, research and development, and as heat sources for radioisotope power systems. The methodology used is intended to provide realistic results based upon our current knowledge of the health impact of low doses of radiation. Section 4.3 of Volume 1 provides the results of the evaluation of potential health impacts that would be expected to result from implementation of Alternative 1 (which includes restart of FFTF), including normal operations and a spectrum of accidents that included severe accidents. The environmental analysis showed that radiological and nonradiological risks associated with restarting FFTF would be small.  
  
FFTF is approximately 4.5 miles from the Columbia River. There are no discharges to the river from FFTF and no radioactive or hazardous discharges to groundwater. As indicated in analyses presented in Chapter 4 of Volume 1 (e.g., Sections 4.3.1.1.4, 4.3.3.1.4, 4.4.3.1.4, 4.5.3.2.4, and 4.6.3.2.4), there would be no discernible impacts to groundwater or surface water quality at Hanford from operation of Hanford facilities that would support the nuclear infrastructure missions described in Section 1.2 of Volume 1.  
  
The NI PEIS identifies (in Chapter 3 of Volume 1) endangered species that live on or near all of the candidate sites, as well as aquatic and wetlands areas that may be impacted by operations at candidate locations

**Commentor No. 2130: Florence B. Wager (Cont'd)**

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**Response to Commentor No. 2130**

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According to an International Atomic Energy Agency (IAEA) publication (IAEA Technical Report Series No. 332, Effects of Ionizing Radiation on Plants and Animals at Levels Implied by Current Radiation Protection Standards), a dose rate of 100 millirem per year to the most exposed human will lead to dose rates to plants and animals of less than 0.1 rad per day. The IAEA concluded that a dose rate of 0.1 rad per day or less for animals and 1 rad per day or less for plants would not affect these populations. The largest individual dose for any of the nuclear infrastructures alternatives under normal operations would be less than 0.1 millirem, which is three orders of magnitude less than the IAEA threshold for adverse effects. Therefore, implementation of any of the range of reasonable nuclear infrastructure alternatives analyzed would not be expected to result in adverse impacts on plants and animals living in potentially affected areas around the candidate sites.

- 2130-4:** As discussed throughout Section 4.3 of Volume 1, none of the proposed alternatives would add waste to the high-level waste tanks at Hanford. The NI PEIS addressed the environmental impacts due to the treatment, storage, and disposal of the waste generated by the proposed action for all alternatives and alternative options. Waste minimization programs at each of the proposed sites are also addressed. These programs will be implemented for the alternative selected in the Record of Decision. The waste generated from any of the proposed alternatives in the NI PEIS will be managed (i.e., treated, stored and disposed) in a safe and environmentally protective manner and in compliance with all applicable Federal and state laws and regulations and applicable DOE orders.

**Commentor No. 2131: Evelyn Swann**

Dear Secretary Richardson,

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor: || 2131-1 || 2131-2

We already have despoiled our land  
and water by so-called nuclear "defense",  
plus powerplants, to add to our  
suicidal evolution. THE FFTF will only  
serve to hasten the day. Please come  
to your senses!

Sincerely,

Name Evelyn Swann Address 1016 Key St.  
City Bellingham State WA. ZIP 98225  
Evelyn Swann S A M

Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.

2131-2

**Response to Commentor No. 2131**

- 2131-1:** DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement.
- 2131-2:** DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF; however, it should be noted that FFTF would not have any defense missions under the proposed action.

### Commentor No. 2132: Marjorie Worthington

Dear Secretary Richardson,

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor:

*Once again, I find myself shocked & saddened that rather than attempt to have changed the DOE's agenda, to shut down the FFTF Reactor, with its devastating potential to add more toxic waste to the most polluted area in Washington, cleanup of which has met delay after delay over many years since the Tri-Party Agreement. Why are the citizens of this area - those most affected by the mess of toxic waste being ignored by a government agency with that much capability to answer, to continue to assert power that denies the rights of citizens in this area to Sincerely live in a safe environment. This agenda is clearly not in the public interest!*

Name Marjorie Worthington Address 1947 Clovercrest St.  
City Enumclaw State WA ZIP 98022

*\* I have attended many public hearings over the last few years (and sent letters of protest) but please honor the cleanup agreement & shut down the FFTF Reactor or shut it down!*  
Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.

2132-1 | 2132-2  
2132-1  
2131-3  
2131-4  
2131-3

### Response to Commentor No. 2132

- 2132-1: DOE notes the commentor's opposition to Alternative 1, Restart FFTF, and concerns regarding the existing cleanup mission at Hanford. DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement. As stated in Section N.3.2, implementation of the nuclear infrastructure alternatives would not divert or reprogram budgeted funds designated for Hanford cleanup, regardless of the alternative(s) selected.  
  
As identified in Section 4.3.1.1.13 of the NI PEIS, the restart of FFTF would generate about 63 cubic meters of additional radioactive waste (e.g., solid low-level radioactive waste) annually, in addition to nonhazardous wastes. This would account for about 2,205 cubic meters of additional radioactive waste to be generated over the 35-year period of nuclear infrastructure operations and is small in comparison to the waste generated by current Hanford activities. It is DOE's policy that all wastes be managed (i.e., treated, stored and disposal) in a safe and environmentally protective manner and in compliance with all applicable Federal and state laws and regulations and applicable DOE orders.
- 2132-2: DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF.
- 2132-3: DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S.

***Commentor No. 2132: Marjorie Worthington (Cont'd)***

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***Response to Commentor No. 2132***

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Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement.

**2132-4:** The purpose of this NI PEIS is to evaluate the environmental impacts of a range of reasonable alternatives to fulfill the requirements of the stated missions, which include the production of medical and industrial isotopes, the production of plutonium-238 for future NASA missions, and civilian nuclear research and development.

DOE policy encourages effective public participation in its decision making process. In compliance with NEPA and CEQ regulations, DOE provided opportunity to the public to comment on the scope of the NI PEIS and the environmental impact analysis of DOE's proposed alternatives. DOE gave equal consideration to all comments. In preparing the Final NI PEIS, DOE carefully considered comments received from the public.

**Commentor No. 2133: Carol Gordon**

Dear Sirs / Madam,

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor:

*It has been proven that the leaking tanks are a danger to our Columbia River. Nothing has been done to remedy this problem and now the DOE wants to restart the FFTF. What is to become of our natural resources? Shame on the DOE.*

Sincerely,

Name Carol Gordon Address 9021 26<sup>th</sup> Ave S.  
City Lakewood State WA ZIP 98499

Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.

|| 2133-1 || 2133-2

2133-1

**Response to Commentor No. 2133**

**2133-1:** DOE notes the commentor's opposition to Alternative 1, Restart FFTF, and concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement. As stated in Section N.3.2, implementation of the nuclear infrastructure alternatives would not divert or reprogram budgeted funds designated for Hanford cleanup, regardless of the alternative(s) selected.

As identified in Section 4.3.1.1.13 of the NI PEIS, the restart of FFTF would generate about 63 cubic meters of additional radioactive waste (e.g., solid low-level radioactive waste) annually, in addition to nonhazardous wastes. This would account for about 2,205 cubic meters of additional radioactive waste to be generated over the 35-year period of nuclear infrastructure operations and is small in comparison to the waste generated by current Hanford activities. It is DOE's policy that all wastes be managed (i.e., treated, stored and disposal) in a safe and environmentally protective manner and in compliance with all applicable Federal and state laws and regulations and applicable DOE orders.

The NI PEIS addressed the environmental impacts due to the treatment, storage, and disposal of the waste generated by the proposed actions for all alternatives and alternative options. Waste minimization programs at each of the proposed sites are also addressed. These programs will be implemented for the alternative selected in the Record of Decision.

FFTF is approximately 4.5 miles from the Columbia River. There are no discharges to the river from FFTF and no radioactive or hazardous discharges to groundwater. As indicated in analyses presented in Chapter 4 of Volume 1 (e.g., Sections 4.3.1.1.4, 4.3.3.1.4, 4.4.3.1.4, 4.5.3.2.4, and 4.6.3.2.4), there would be no discernible impacts to groundwater or surface water quality at Hanford from operation of Hanford facilities that would support the nuclear infrastructure missions described in Section 1.2 of Volume 1.

**2133-2:** DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF.

**Commentor No. 2134: David Austin**

Dear Secretary Richardson,

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor:

We haven't figured out how to safely store  
the high level waste already present -  
I don't think we should ask to it.

Sincerely,

Name David Austin Address 2107 N. 62nd  
City Seattle State WA ZIP 98103

*Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.*

|| 2134-1 || 2134-2

2134-1

**Response to Commentor No. 2134**

- 2134-1:** DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement. As discussed throughout Section 4.3 of Volume 1, none of the proposed alternatives would add waste to the high-level waste tanks at Hanford.
- 2134-2:** DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF.

**Commentor No. 2135: Suesanne Feather**

Dear Secretary Richardson,

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor:

*We have been advised by a friend who is a chemical engineer at the US W NEVER to eat fish coming from the hook area of the Columbia River. The river is already seriously compromised - please help future generations.*

Sincerely,

Name Suesanne Feather Address 104 Driftwood Shores Rd.  
City Camano Island State Wa. ZIP 98282

Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.

|| 2135-1 || 2135-2

2135-1

**Response to Commentor No. 2135**

**2135-1:** DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NIPeIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement.

FFTF is approximately 4.5 miles from the Columbia River. There are no discharges to the river from FFTF and no radioactive or hazardous discharges to groundwater. As indicated in analyses presented in Chapter 4 of Volume 1 (e.g., Sections 4.3.1.1.4, 4.3.3.1.4, 4.4.3.1.4, 4.5.3.2.4, and 4.6.3.2.4), there would be no discernible impacts to groundwater or surface water quality at Hanford from operation of Hanford facilities that would support the nuclear infrastructure missions described in Section 1.2 of Volume 1.

No food or water restrictions are in place outside the Hanford Reservation as a result of Hanford activities.

**2135-2:** DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF.

## Commentor No. 2136: Howard Pellett

Dear Secretary Richardson,

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor:

|| 2136-1 || 2136-2

*It is disgraceful that we are still talking about clean-up  
of the Hanford site after all the taxpayers' money that  
has been spent and all the hearings and all of the public  
testimony. We will not tolerate more danger, more waste,  
and more plutonium production at Hanford. It's time to  
listen to the public!*

2136-1

Sincerely,

Name Howard Pellett Address 5293 SUMNER ISLAND RD  
City ANACORTES State WA ZIP 98221-9841

*Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.*

## Response to Commentor No. 2136

**2136-1:** DOE notes the commentor's opposition to Alternative 1, Restart FFTF, and concerns regarding the existing cleanup mission at Hanford. DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement. As stated in Section N.3.2, implementation of the nuclear infrastructure alternatives would not divert or reprogram budgeted funds designated for Hanford cleanup, regardless of the alternative(s) selected.

As identified in Section 4.3.1.1.13 of the NI PEIS, the restart of FFTF would generate about 63 cubic meters of additional radioactive waste (e.g., solid low-level radioactive waste) annually, in addition to nonhazardous wastes. This would account for about 2,205 cubic meters of additional radioactive waste to be generated over the 35-year period of nuclear infrastructure operations and is small in comparison to the waste generated by current Hanford activities. It is DOE's policy that all wastes be managed (i.e., treated, stored and disposal) in a safe and environmentally protective manner and in compliance with all applicable Federal and state laws and regulations and applicable DOE orders.

FFTF can be safely operated to support the nuclear infrastructure missions described in Section 1.2 of Volume 1. Section 4.3 of Volume 1 provides the results of the evaluation of potential health impacts that would be expected to result from implementation of Alternative 1, including normal operations and a spectrum of accidents that included severe accidents. The environmental analysis showed that radiological and nonradiological risks associated with restarting FFTF would be small.

**2136-2:** DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF.

**Commentor No. 2137: Irene Kelly**

Please honor the Clean-up Agreement and

we shall not tolerate  
more danger, waste  
and plutonium production  
at Hanford.

Sincerely,

*Irene R. Kelly*  
Name Irene Kelly Address 361 Sudbury Rd  
City Walla Walla State WA ZIP 99362

Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.

|| 2137-1 || 2137-2

2137-1

**Response to Commentor No. 2137**

**2137-1:** DOE notes the commentor's opposition to Alternative 1, Restart FFTF, and concerns regarding the existing cleanup mission at Hanford. DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement. As stated in Section N.3.2, implementation of the nuclear infrastructure alternatives would not divert or reprogram budgeted funds designated for Hanford cleanup, regardless of the alternative(s) selected.

As identified in Section 4.3.1.1.13 of the NI PEIS, the restart of FFTF would generate about 63 cubic meters of additional radioactive waste (e.g., solid low-level radioactive waste) annually, in addition to nonhazardous wastes. This would account for about 2,205 cubic meters of additional radioactive waste to be generated over the 35-year period of nuclear infrastructure operations and is small in comparison to the waste generated by current Hanford activities. It is DOE's policy that all wastes be managed (i.e., treated, stored and disposal) in a safe and environmentally protective manner and in compliance with all applicable Federal and state laws and regulations and applicable DOE orders.

FFTF can be safely operated to support the nuclear infrastructure missions described in Section 1.2 of Volume 1. Section 4.3 of Volume 1 provides the results of the evaluation of potential health impacts that would be expected to result from implementation of Alternative 1, including normal operations and a spectrum of accidents that included severe accidents. The environmental analysis showed that radiological and nonradiological risks associated with restarting FFTF would be small.

**2137-2:** DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF.

**Commentor No. 2138: Kathryn Rolery**

Dear Secretary (Kernaruski),

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor:

*I am very concerned about the move  
of rehashing the FFTF. Money needs to be  
spent in clean up + CANCER prevention  
programs - not in destruction. When  
are we going to shut building - not  
destroying life! SAY NO to ALL!*

Sincerely,  
Name Kathryn Rolery Address 722 W. Allen  
City Walla Walla State WA ZIP 99362

Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.

|| 2138-1 || 2138-2

2138-3

2138-4

**Response to Commentor No. 2138**

- 2138-1: DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement.
- 2138-2: DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF.
- 2138-3: As stated in Section N.3.2, implementation of the nuclear infrastructure alternatives would not divert or reprogram funds designated for Hanford cleanup, regardless of the alternative(s) selected.  
  
There is no relationship between monies appropriated by Congress for DOE and those set aside for cancer prevention programs; thus, there will be no impact on funding for cancer research whether or not Alternative 1 is selected as a record of Decision.
- 2138-4: The NI PEIS provides an estimate of the incremental potential human health impacts associated with each of the alternatives proposed for the production of isotopes for medical uses, research and development, and as heat sources for radioisotope power systems. The methodology used is intended to provide realistic results based upon our current knowledge of the health impact of low doses of radiation. Section 4.3 through 4.6 of Volume 1 provide the results of the evaluation of potential health impacts that would be expected to result from implementation of a range of reasonable alternative, including normal operations and a spectrum of accidents that included severe accidents. The environmental analysis showed that radiological and nonradiological risks associated with implementation of any of the analyzed alternatives would be small.

## Commentor No. 2139: Susan Hamilton

Dear Secretary Richardson,

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor:

*It is of utmost concern that we take measures to contain and hopefully eliminate the highly explosive ~~contaminants~~ contaminants and toxic wastes that are stored and seeping inches away from the Columbia River. This is a global concern. we have to do something we can no longer wait.*

Sincerely,  
 Name Susan Hamilton Address 443 Washington St.  
 City Walla Walla State WA ZIP 99362

Please include my comments in the official record for the Pu-238/FFTF Environmental Impact

|| 2139-1 || 2139-2

2139-1

## Response to Commentor No. 2139

**2139-1:** DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement.

FFTF is approximately 4.5 miles from the Columbia River. There are no discharges to the river from FFTF and no radioactive or hazardous discharges to groundwater. As indicated in analyses presented in Chapter 4 of Volume 1 (e.g., Sections 4.3.1.1.4, 4.3.3.1.4, 4.4.3.1.4, 4.5.3.2.4, and 4.6.3.2.4), there would be no discernible impacts to groundwater or surface water quality at Hanford from operation of Hanford facilities that would support the nuclear infrastructure missions described in Section 1.2 of Volume 1.

**2139-2:** DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF.

**Commentor No. 2140: Fred E. Schilling**

Dear Secretary Richardson,

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor:

Since WWII we have been waiting  
in vain for some bright person to  
solve the problem of nuclear waste  
No luck! It's about time we face it.  
Best we can do is start trying to clean  
up the mess we have - not make more.

Sincerely,

Name Fred E. Schilling Address 8307 54<sup>th</sup> Ave. S.  
City Seattle State WA ZIP 98118

*Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.*

|| 2140-1 || 2140-2

|| 2140-1

**Response to Commentor No. 2140**

- 2140-1:** DOE notes the commentor's opposition to Alternative 1, Restart FFTF, and concerns regarding the existing cleanup mission at Hanford. DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement. As stated in Section N.3.2, implementation of the nuclear infrastructure alternatives would not divert or reprogram budgeted funds designated for Hanford cleanup, regardless of the alternative(s) selected.
- 2140-2:** DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF.

**Commentor No. 2141: Edith Fairhall**

Dear Secretary Richardson,

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor:

This is important - do  
not add to our nuclear  
waste. It is already a  
public menace.

Sincerely,

Edith Fairhall

Name EDITH FAIRHALL Address 933 N. Northlake #7

City Seattle State WA ZIP 98103

Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.

|| 2141-1 || 2141-2

2141-1

**Response to Commentor No. 2141**

- 2141-1:** DOE notes the commentor's opposition to Alternative 1, Restart FFTF, and concerns regarding the existing cleanup mission at Hanford. DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement. As stated in Section N.3.2, implementation of the nuclear infrastructure alternatives would not divert or reprogram budgeted funds designated for Hanford cleanup, regardless of the alternative(s) selected.
- 2141-2:** DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF.

**Commentor No. 2142: Stephen J. Curley**

Dear Secretary Richardson,

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor:

After reviewing the EIS on the start up  
of the FFTF there is no way you  
can justify starting up FFTF - do  
not start up FFTF and clean up the mess  
you have already created

Sincerely,

Name Stephen J. Curley Address PO Box 511  
City Nood Noo State OR ZIP 97031

*Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.*

|| 2142-1 || 2142-2

2142-3

2142-4

2142-1

**Response to Commentor No. 2142**

- 2142-1:** DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement.
- 2142-2:** DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF, and opposition to Alternative 1, Restart FFTF.
- 2142-3:** Consistent with its mandates under the Atomic Energy Act, DOE seeks to maintain and enhance its infrastructure for the purposes of addressing three primary needs:
- 1) to support the need for increased domestic production of isotopes for medical, research, and industrial uses, as initially identified by a panel of experts in the medical field and reaffirmed by the Nuclear Energy Research Advisory Committee;
  - 2) to support future NASA space exploration missions by re-establishing a domestic capability to produce plutonium-238, a fuel source that is required for deep space missions and which the U.S. has no long-term, assured supply; and
  - 3) to support civilian nuclear research and development needs in order to maintain the clean, safe, and reliable use of nuclear power as a viable component of the United States' energy portfolio. The NI PEIS evaluates a range of reasonable alternatives for accomplishing the proposed action, one of which includes use of FFTF. Section 1.2 of Volume 1 was revised to clarify the purpose and need of the proposed action.
- 2142-4:** See response to comment 2142-2.

## Commentor No. 2143: Roy G. Farrell

Dear Secretary Richardson,

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor:

WE DO NOT NEED MEDICAL ISOTOPE  
PRODUCTION FROM THE FFTF, NOR  
DO WE NEED ANY MORE WASTE  
PRODUCTION AT HANFORD. PLEASE  
FOCUS ALL ACTIVITY & ATTENTION ON  
CLEAN UP.

Sincerely,

Name ROY G. FARRELL, MD Address ROY G. FARRELL, MD  
1403 McGILVRA BLVD. E.  
SEATTLE, WA 98112

City \_\_\_\_\_ State \_\_\_\_\_ ZIP \_\_\_\_\_

Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.

|| 2143-1 || 2143-2

2143-3

2143-1

## Response to Commentor No. 2143

- 2143-1:** DOE notes the commentor's opposition to Alternative 1, Restart FFTF, and concerns regarding the existing cleanup mission at Hanford. DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NIEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement. As stated in Section N.3.2, implementation of the nuclear infrastructure alternatives would not divert or reprogram budgeted funds designated for Hanford cleanup, regardless of the alternative(s) selected.
- 2143-2:** DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF.
- 2143-3:** DOE notes the commentor's opposition to restarting FFTF for medical isotope production. Currently, approximately 50 percent of DOE's isotope production capability is being used. Much of the remaining isotope production capability is dispersed throughout the DOE complex. This capability supports secondary missions, but cannot be effectively used due to the operating constraints associated with the facilities' primary missions (basic energy sciences or defense). DOE is currently meeting most of its short-term requirements. However, in the long-term next 5 to 10 years) there will be a shortfall in available DOE capacity to meet demand. Should the isotope demand grow consistent with the Expert Panel Report, as it has recently, or if DOE's market share increases, there will be a need for expanded isotope production capacity in the short-term (less than 5 years). Section 1.2.1 of Volume 1 has been revised to clarify DOE's isotope production role and other producers' capabilities to fulfill U.S. isotope needs.

**Commentor No. 2144: Michaela M. Buchanan**

Dear Secretary Richardson,

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Sincerely, Michaela M. Buchanan

Name Michaela Buchanan Address 2414 NE Rebecca Ln

City Poulsbo State WA ZIP 98370

*Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.*

**Response to Commentor No. 2144**

|| 2144-1 || 2144-2

2144-1:

DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement.

2144-2:

DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF.

## Commentor No. 2145: Dawn Marie Dancey

Dear Secretary Richardson,

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor:

*I am strongly opposed to the restart of the FFTF AT Hanford. My concerns are those of safety both physically and environmentally for this generation and future. This would also delay or stop the already indefinite clean up plan of Hanford*

Sincerely, Dawn Marie Dancey

Name DAWN MARIE DANCEY Address 2123 NE 53RD  
City PORTLAND State OR ZIP 97213

Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.

|| 2145-1 || 2145-2

|| 2145-3

|| 2145-4

|| 2145-1

## Response to Commentor No. 2145

**2145-1:** DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. As stated in Section N.3.2, implementation of the nuclear infrastructure alternatives would not divert or reprogram budgeted funds designated for Hanford cleanup, regardless of the alternative(s) selected.

**2145-2:** DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF, and opposition to Alternative 1, Restart FFTF.

**2145-3:** See response to comment 2145-2.

**2145-4:** This EIS has provided an estimate of the potential human health impacts associated with a range of reasonable alternatives for the production of isotopes for medical uses, research and development, and as heat sources for radioisotope power systems. The methodology used is intended to provide realistic results based upon our current knowledge of the health impact of low doses of radiation. Sections 4.3 through 4.6 of Volume 1 provide the results of the evaluation of potential health impacts that would be expected to result from implementation of a range of reasonable alternatives (Alternative 1 includes restart of FFTF), including normal operations and a spectrum of accidents that included severe accidents. The environmental analysis showed that radiological and nonradiological risks associated with any of the analyzed alternatives and with restarting FFTF would be small.

Chapter 4 of the PEIS provides a comprehensive assessment of the environmental consequences of each of a range of reasonable alternatives. (The results of these assessments are also summarized in Chapter 2.) These analyses include assessments of the impacts on land resources, water resources, air quality, geology and soils (in addition to the human health impacts discussed in the preceding paragraph). For all alternatives that consider the use of facilities at Hanford, the environmental impact on all of these resources is small. The NI PEIS identifies (in Chapter 3 of Volume 1) endangered species that live on or

***Commentor No. 2145: Dawn Marie Dancey (Cont'd)***

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***Response to Commentor No. 2145***

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near all of the candidate sites, as well as aquatic and wetlands areas that may be impacted by operations at candidate locations. According to an International Atomic Energy Agency (IAEA) publication (IAEA Technical Report Series No. 332, Effects of Ionizing Radiation on Plants and Animals at Levels Implied by Current Radiation Protection Standards, a dose rate of 100 millirem per year to the most exposed human will lead to dose rates to plants and animals of less than 0.1 rad per day. The IAEA concluded that a dose rate of 0.1 rad per day or less for animals and 1 rad per day or less for plants would not affect these populations. The largest individual dose for any of the nuclear infrastructures alternatives under normal operations would be less than 0.1 millirem, which is three orders of magnitude less than the IAEA threshold for adverse effects. Therefore, implementation of any of the analyzed nuclear infrastructure alternatives would not be expected to result in adverse impacts on plants and animals.

**Commentor No. 2146: Marilyn D. Ream**

Dear Secretary Richardson,

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor: || 2146-1 || 2146-2

*We have no coherent plan for coping with the nuclear waste already threatening the Columbia River. The FFTF Nuclear Reactor is in no way needed to produce medical isotopes.*

2146-1

2146-3

*This is a political travesty to consider restarting the FFTF.*  
Sincerely,  
*Marilyn D. Ream M.D.*  
Name Marilyn D. Ream M.D. Address 324 W. Gibbs Rd  
City Spokane State WA ZIP 99224

Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.

**Response to Commentor No. 2146**

- 2146-1:** DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement. As stated in Section N.3.2, implementation of the nuclear infrastructure alternatives would not divert or reprogram budgeted funds designated for Hanford cleanup, regardless of the alternative(s) selected. FFTF is approximately 4.5 miles from the Columbia River. There are no discharges to the river from FFTF and no radioactive or hazardous discharges to groundwater. As indicated in analyses presented in Chapter 4 of Volume 1 (e.g., Sections 4.3.1.1.4, 4.3.3.1.4, 4.4.3.1.4, 4.5.3.2.4, and 4.6.3.2.4), there would be no discernible impacts to groundwater or surface water quality at Hanford from operation of Hanford facilities that would support the nuclear infrastructure missions described in Section 1.2 of Volume 1.
- 2146-2:** DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF.
- 2146-3:** DOE notes the commentor's opposition to restarting FFTF for medical isotope production. Currently, approximately 50 percent of DOE's isotope production capability is being used. Much of the remaining isotope production capability is dispersed throughout the DOE complex. This capability supports secondary missions, but cannot be effectively used due to the operating constraints associated with the facilities' primary missions (basic energy sciences or defense). DOE is currently meeting most of its short-term requirements. However, in the long-term (next 5 to 10 years) there will be a shortfall in available DOE capacity to meet demand. Should the isotope demand grow consistent with the Expert Panel Report, as it has recently, or if DOE's market share increases, there will be a need for expanded isotope production capacity in the short-term (less than 5 years). Section 1.2.1 of Volume 1 has been revised to clarify DOE's isotope production role and other producers' capabilities to fulfill U.S. isotope needs.

**Commentor No. 2147: William C. Burns**

Dear Secretary Richardson,

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor: || 2147-1 || 2147-2

Since I live in the area and like my drinking water sans the nuclear waste, I can understand in difference you don't live here. But what would you do if you did? It's not your family but what if it were? Would you want your mother, grand mother threatened by this accident waiting to happen? me either!!!!

2147-1

Sincerely,  
Name William C. Burns Address 2905 NE 13<sup>th</sup>  
City GRESHAM State OR ZIP 97030

Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.

**Response to Commentor No. 2147**

- 2147-1:** DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement.
- 2147-2:** DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF.

**Commentor No. 2148: D. Bullington**

Dear Secretary Richardson,

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor:

BASING RESTART UPON IRRADIATION OF  
HIGHLY ENRICHED METALLIC URANIUM FUEL  
THAT WAS FOUND BY ARGONNE NATIONAL  
LABORATORY TO BE DIMENSIONALLY UNSTABLE  
UNDER IRRADIATION APPEARS TO ME TO  
BE IRRESPONSIBLE.

Sincerely,

Name D BULLINGTON Address 610 S. MILROU ST  
 City OLYMPIA State WA ZIP 98502 5126

*Please include my comments in the official record for the Pu-239/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.*

|| 2148-1 || 2148-2

2148-3

**Response to Commentor No. 2148**

- 2148-1:** DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement.
- 2148-2:** DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF.
- 2148-3:** Metallic uranium nuclear fuel has been successfully used in power and research nuclear reactors worldwide for over 40 years. The nuclear fuel which is planned to be used at FFTF is oxide fuel and not metallic uranium fuel.

**Commentor No. 2149: James Leeman**

Dear secretary richardson,

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor:

We cannot handle more radioactivity or pollution than is already seeping into the Columbia River and soil. And as a quaker - our churches stand for no war & less money on missiles and destroying our environment.

Sincerely,  
Name James Leeman Address 11717 S.E Beckman  
City Milwaukie State OR ZIP 97222

Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.

|| 2149-1 || 2149-2

2149-1

2149-3

**Response to Commentor No. 2149**

**2149-1:** DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement. As stated in Section N.3.2, implementation of the nuclear infrastructure alternatives would not divert or reprogram budgeted funds designated for Hanford cleanup, regardless of the alternative(s) selected.

FFTF is approximately 4.5 miles from the Columbia River. There are no discharges to the river from FFTF and no radioactive or hazardous discharges to groundwater. As indicated in analyses presented in Chapter 4 of Volume 1 (e.g., Sections 4.3.1.1.4, 4.3.3.1.4, 4.4.3.1.4, 4.5.3.2.4, and 4.6.3.2.4), there would be no discernible impacts to groundwater or surface water quality at Hanford from operation of Hanford facilities that would support the nuclear infrastructure missions described in Section 1.2 of Volume 1.

**2149-2:** DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF.

**2149-3:** DOE notes the commentor's views on defense and preservation of the environment. As discussed in Section 1.2 of Volume 1, the nuclear infrastructure missions are concerned with civilian applications and research only. They are unrelated to national defense. Environmental effects that would result from implementation of the nuclear infrastructure alternatives are described in Chapter 4 of Volume 1.

## Commentor No. 2150: Holly G. Graham

Dear Secretary Richardson,

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor:

It is appalling that all these years after we shut down Hanford's DIRTY operations, you even consider this disastrous, hazardous, & blatantly unnecessary act a cover-up for US's increased ARMS industry, Star Wars, TMD, etc. WE SAY NO! NO!!!

Sincerely,

Name Holly Quinn Graham Address 5900 Bivinner NW  
City Olympia State WA ZIP 98502

Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.

|| 2150-1 || 2150-2

2150-3

## Response to Commentor No. 2150

- 2150-1:** DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement.
- 2150-2:** DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF.
- 2150-3:** DOE notes the commentor's views. The NI PEIS evaluates a range of reasonable alternatives for expanding DOE's existing nuclear facility infrastructure for the purposes of addressing three primary needs: 1) to support the need for increased domestic production of isotopes for medical, research, and industrial uses, as initially identified by a panel of experts in the medical field and reaffirmed by the Nuclear Energy Research Advisory Committee; 2) to support future NASA space exploration missions by re-establishing a domestic capability to produce plutonium-238, a fuel source that is required for deep space missions and which the U.S. has no long-term, assured supply; and 3) to support civilian nuclear research and development needs in order to maintain the clean, safe, and reliable use of nuclear power as a viable component of the United States' energy portfolio. However, no component of the proposed action is for the purpose of supporting any defense or weapons related mission.

**Commentor No. 2151: Lucile Wyers**

Dear Secretary Richardson,

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor:

*I have stated my conviction that this is the correct course of action many times. I was disappointed to learn that you Sir have not been hearing what even the Mid-Columbia area have been saying. Please No*

Sincerely, *Lucile A. Wyers* *Don't start on FFTF*

Name *Lucile Wyers* Address *2320 Windswept*  
City *HOOD RIVER* State *OR* ZIP *97031*

Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.

|| 2151-1 || 2151-2

2151-3

2151-4

**Response to Commentor No. 2151**

- 2151-1: DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement.
- 2151-2: DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF, and opposition to Alternative 1, Restart FFTF.
- 2151-3: DOE is committed to providing the public with comprehensive environmental reviews of its proposed actions in accordance with NEPA, and to providing ample opportunity for public comment on those actions. Further, DOE, and the Secretary of Energy in particular, is aware that there is a considerable difference of public opinion regarding the alternatives evaluated in this NI PEIS to accomplish the DOE missions, including direct support as well as opposition to Alternative 1, Restart FFTF. In preparing the Final NI PEIS, DOE carefully considered comments received from the public. All pertinent information and public input will be provided to the Secretary so that he may make an informed and unbiased decision with respect to the alternatives presented in this NI PEIS. DOE's Record of Decision for the NI PEIS will be based on a number of factors including environmental impacts, public input, costs, nonproliferation impacts, schedules, technical assurance, and other policy and programmatic objectives.
- 2151-4: See response to comment 2151-2.

### Commentor No. 2152: Michelle Samuel

Dear Secretary Richardson,

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor:

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Sincerely,

Name Michelle Samuel Address 4124 SE 33rd Ave  
 City Portland State OR ZIP 97202

*Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.*

|| 2152-1 || 2152-2

### Response to Commentor No. 2152

- 2152-1:** DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement.
- 2152-2:** DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF.

**Commentor No. 2153: Carol G. Watts**

Dear Secretary Richardson,

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor:

|| 2153-1 || 2153-2

*We're got enough problems with leaking waste tanks already - leaks that threaten to invade the Columbia River very shortly. Let's not get into activities that will generate more waste, not to mention increasing the danger of accidents. Let's honor the clean-up agreement and focus on cleaning up the existing mess.*

2153-1

2153-3

2153-1

Name Carol G. Watts Address 6247 26th Ave NE  
City Seattle State WA ZIP 98115

*Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.*

**Response to Commentor No. 2153**

**2153-1:** DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement. As stated in Section N.3.2, implementation of the nuclear infrastructure alternatives would not divert or reprogram budgeted funds designated for Hanford cleanup, regardless of the alternative(s) selected.

FFTF is approximately 4.5 miles from the Columbia River. There are no discharges to the river from FFTF and no radioactive or hazardous discharges to groundwater. As indicated in analyses presented in Chapter 4 of Volume 1 (e.g., Sections 4.3.1.1.4, 4.3.3.1.4, 4.4.3.1.4, 4.5.3.2.4, and 4.6.3.2.4), there would be no discernible impacts to groundwater or surface water quality at Hanford from operation of Hanford facilities that would support the nuclear infrastructure missions described in Section 1.2 of Volume 1.

As identified in Section 4.3.1.1.13 of the NI PEIS, the restart of FFTF would generate about 63 cubic meters of additional radioactive waste (e.g., solid low-level radioactive waste) annually, in addition to nonhazardous wastes. This would account for about 2,205 cubic meters of additional radioactive waste to be generated over the 35-year period of nuclear infrastructure operations and is small in comparison to the waste generated by current Hanford activities. It is DOE's policy that all wastes be managed (i.e., treated, stored and disposal) in a safe and environmentally protective manner and in compliance with all applicable Federal and state laws and regulations and applicable DOE orders.

As discussed throughout Section 4.3 of Volume 1, none of the proposed alternatives would add waste to the high-level waste tanks at Hanford.

**2153-2:** DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF.

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***Commentor No. 2153: Carol G. Watts (Cont'd)***

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***Response to Commentor No. 2153***

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**2153-3:** FFTF can be safely operated to support the nuclear infrastructure missions described in Section 1.2 of Volume 1. Section 4.3 of Volume 1 provides the results of the evaluation of potential health impacts that would be expected to result from implementation of Alternative 1, including normal operations and a spectrum of accidents that included severe accidents. The environmental analysis showed that radiological and nonradiological risks associated with restarting FFTF would be small.

**Commentor No. 2154: Sandra Crespinel**

Dear Secretary Richardson,

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor: || 2154-1 || 2154-2

*We don't need to add more waste  
to Hanford already having  
waste. It's very important  
we do not update the  
Hanford Clean Up Agreement & further  
include the Columbia River. Any  
benefit would not outweigh the  
contamination of the people & animals*

Sincerely,

Name  Sandra Crespinel  SS  
City  4817 SW Findlay St.   
Seattle, WA 98136  ZIP



Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.

**Response to Commentor No. 2154**

- 2154-1:** DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement.
- 2154-2:** DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF.

**Commentor No. 2155: Margaret L. McCluskey/Kelly  
McCluskey**

Dear Secretary Richardson,

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor:

Lets get SOLAR !

|| 2155-1 || 2155-2  
|| 2155-3

Margaret L McCluskey  
Capt Kelly McCluskey WWII D.A.V.  
Sincerely,  
Name KELLY McCLUSKEY Address 20804 CRAWFORD RD  
City NEW IRELAND State WA ZIP 98036-8645  
Synnwood

Please include my comments in the official record for the Pu-239/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.

**Response to Commentor No. 2155**

- 2155-1:** DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement.
- 2155-2:** DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF.
- 2155-3:** DOE notes the commentor's interest in alternative energy sources, although issues of research and development of alternative energy sources are beyond the scope of this Nuclear Infrastructure PEIS. The DOE missions to be addressed in this EIS, which include the production of medical and industrial isotopes, the production of plutonium-238, and civilian nuclear energy research and development, can currently only be met using nuclear reactor or accelerator technologies.

**Commentor No. 2156: Debra Morrison**

Dear Secretary Richardson,

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor: || 2156-1 || 2156-2

*I am getting really tired of constantly going to hearings to try to convince the DOE to honor the clean up Agreement and stop trying to re-start the FFTF. We don't need anymore waste - let's clean up the mountains of it we have. Sincerely, Are you listening? Enough already!!!*

|| 2156-3

|| 2156-1

|| 2156-4

Name Debra Morrison Address 401 N. 46<sup>th</sup> St.  
City Seattle State WA ZIP 98103

*Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.*

**Response to Commentor No. 2156**

**2156-1:** DOE notes the commentor's opposition to Alternative 1, Restart FFTF, and concerns regarding the existing cleanup mission at Hanford. DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement. As stated in Section N.3.2, implementation of the nuclear infrastructure alternatives would not divert or reprogram budgeted funds designated for Hanford cleanup, regardless of the alternative(s) selected.

As identified in Section 4.3.1.1.13 of the NI PEIS, the restart of FFTF would generate about 63 cubic meters of additional radioactive waste (e.g., solid low-level radioactive waste) annually, in addition to nonhazardous wastes. This would account for about 2,205 cubic meters of additional radioactive waste to be generated over the 35-year period of nuclear infrastructure operations and is small in comparison to the waste generated by current Hanford activities. It is DOE's policy that all wastes be managed (i.e., treated, stored and disposal) in a safe and environmentally protective manner and in compliance with all applicable Federal and state laws and regulations and applicable DOE orders.

**2156-2:** DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF, and opposition to Alternative 1, Restart FFTF.

**2156-3:** See response to comment 2156-2.

**2156-4:** DOE policy encourages effective public participation in its decision making process. In compliance with NEPA and CEQ regulations, DOE provided opportunity to the public to comment on the scope of the NI PEIS and the environmental impact analysis of DOE's proposed alternatives. DOE gave equal consideration to all comments. In preparing the Final NI PEIS, DOE carefully considered comments received from the public.

**Commentor No. 2157: Robbie Ferron**

Dear Secretary Richardson,

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor:

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\_\_\_\_\_  
\_\_\_\_\_

Sincerely,

Name Robbie Ferron Address 214 Bayville Road  
City Bellingham State WA ZIP 98225

*Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.*

|| 2157-1 || 2157-2

**Response to Commentor No. 2157**

- 2157-1:** DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement.
- 2157-2:** DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF.

**Commentor No. 2158: Ted Grudowski**

Dear Secretary Richardson,

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor:

NASA DOES NOT NEED IT, THE STATE OF  
WASHINGTON DOES NOT NEED IT. STOP THIS  
INSANITY! THE DAY YOU STORE THE  
NUCLEAR WASTE IN YOUR HOME IS THE DAY  
YOU CAN RESTART THE REACTOR

Sincerely,

Name TED GRUDOWSKI Address 1409 NE 65TH ST  
City SEATTLE State WA ZIP 98115

*Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.*

|| 2158-1 || 2158-2

2158-3

2158-4

**Response to Commentor No. 2158**

**2158-1:** DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement.

**2158-2:** DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF, and opposition to Alternative 1, Restart FFTF.

**2158-3:** DOE notes the commentor's opposition to expanding its existing nuclear facility infrastructure. Consistent with its mandates under the Atomic Energy Act, DOE seeks to maintain and enhance its infrastructure for the purposes of addressing three primary needs:

1) to support the need for increased domestic production of isotopes for medical, research, and industrial uses, as initially identified by a panel of experts in the medical field and reaffirmed by the Nuclear Energy Research Advisory Committee;

2) to support future NASA space exploration missions by re-establishing a domestic capability to produce plutonium-238, a fuel source that is required for deep space missions and which the U.S. has no long term, assured supply; and

3) to support civilian nuclear research and development needs in order to maintain the clean, safe, and reliable use of nuclear power as a viable component of the United States' energy portfolio. The NI PEIS evaluates a range of reasonable alternatives for accomplishing the proposed action, one of which includes use of FFTF. Section 1.2 of Volume 1 was revised to clarify the purpose and need of the proposed action.

Through a Memorandum of Understanding with NASA, DOE provides radioisotope power systems, and the plutonium-238 that fuels them, for space missions that require or would be enhanced by their use. In addition, under the National Space Policy issued by the Office of Science and Technology Policy in September 1996, and consistent with DOE's charter under the Atomic Energy Act, DOE is responsible for maintaining

***Commentor No. 2158: Ted Grudowski (Cont'd)***

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***Response to Commentor No. 2158***

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the capability to provide the plutonium-238 needed to support these missions. There are approximately 9 kilograms (19.8 pounds) of plutonium-238 in the U.S. inventory available to support future NASA space missions. Although research to identify other potential fuel sources to support these space exploration missions has been conducted, no viable alternative to using plutonium-238 has been established. Based on NASA guidance to DOE on the potential use of radioisotope power systems for upcoming space missions, it is anticipated that the existing plutonium-238 inventory will be exhausted by approximately 2005. Without an assured domestic supply of plutonium-238, DOE's ability to support future NASA space exploration missions may be lost. Section 1.2.2 of Volume 1 was revised to further clarify the purpose and need for reestablishing a domestic plutonium-238 production capability to support NASA space exploration missions.

**2158-4:** See response to comment 2158-2.

**Commentor No. 2159: Rosemary Harris/Howard R. Harris**

Dear Secretary Richardson,

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor: || 2159-1 || 2159-2

*Nuclear waste has become the next century's primary problem. We must begin to solve it, not create more. Military waste is the worst. We must eliminate nuclear weapons, not plan to increase them. The idea of restarting the FFTF nuclear reactor alarms us.*

Sincerely,  
*Rosemary Harris*  
Name *Howard R. Harris* Address *1825 22nd St.*  
City *Bellingham* State *WA* ZIP *98225*

Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.

2159-3

2159-4

2159-5

**Response to Commentor No. 2159**

**2159-1:** DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement.

**2159-2:** DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF, and opposition to Alternative 1, Restart FFTF.

**2159-3:** DOE notes the commentor's concern regarding waste generation. The NI PEIS addressed the environmental impacts due to the treatment, storage, and disposal of the waste generated by the proposed action for all alternatives and alternative options. Waste minimization programs at each of the proposed sites are also addressed. These programs will be implemented for the alternative selected in the Record of Decision. The waste generated from any of the proposed alternatives in the NI PEIS will be managed (i.e., treated, stored and disposed) in a safe and environmentally protective manner and in compliance with all applicable Federal and state laws and regulations and applicable DOE orders.

The purpose of the NI PEIS is to evaluate the environmental impacts of reasonable alternatives to enhancing DOE's existing nuclear facility infrastructure to support production of isotopes for medical, research, and industrial uses, production of plutonium-238 for use in future NASA space exploration missions, and U.S. nuclear research and development needs for civilian application. No component of the proposed action is for the purpose of supporting any other defense or weapons-related mission.

**2159-4:** Consistent with its mandates under the Atomic Energy Act, DOE seeks to maintain and enhance its infrastructure for the purposes of addressing three primary needs:

1) to support the need for increased domestic production of isotopes for medical, research, and industrial uses, as initially identified by a panel of experts in the medical field and reaffirmed by the Nuclear Energy Research Advisory Committee;

***Commentor No. 2159: Rosemary Harris/Howard R. Harris  
(Cont'd)***

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***Response to Commentor No. 2159***

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2) to support future NASA space exploration missions by re-establishing a domestic capability to produce plutonium-238, a fuel source that is required for deep space missions and which the U.S. has no long-term, assured supply; and

3) to support civilian nuclear research and development needs in order to maintain the clean, safe, and reliable use of nuclear power as a viable component of the United States' energy portfolio. No component of the proposed action is for the purpose of supporting any defense or weapons-related mission. Section 1.2 of Volume 1 was revised to clarify the purpose and need of the proposed action.

**2159-5:** See response to comment 2159-2.

**Commentor No. 2160: Jill Refschneider**

Dear Secretary Richardson,

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor:

I cannot believe that anyone  
would dream up a plan to produce  
plutonium on a site which currently  
threatens our safety and environment.  
Clean Up Hanford! Do not create  
new High-Level Nuclear Waste!

Sincerely,

*Jill Refschneider*  
Name Jill Refschneider Address 14846 74<sup>th</sup> PINE  
City Kenmore State WA ZIP 98028

*Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.*

|| 2160-1 || 2160-2

2160-1

2160-3

**Response to Commentor No. 2160**

**2160-1:** DOE was tasked by Congress in the Atomic Energy Act of 1954, as amended, to "ensure the availability of isotopes for medical, industrial, and research applications, meeting the nuclear material needs of other federal agencies, and undertaking research and development of activities related to development of nuclear power for civilian use." The purpose of this PEIS is to determine the environmental and other impacts to accomplishing this mission from all reasonable existing and new DOE resources. The FFTF at the Hanford Site was one of several existing DOE resources that was assessed for this mission.

DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement.

**2160-2:** DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF.

**2160-3:** DOE notes the commentor's concern regarding the generation of high level radioactive waste. The NI PEIS addressed the environmental impacts due to the treatment, storage, and disposal of the waste generated by the proposed action for all alternatives and alternative options. Waste minimization programs at each of the proposed sites are also addressed. These programs will be implemented for the alternative selected in the Record of Decision. The waste generated from any of the proposed alternatives in the NI PEIS will be managed (i.e., treated, stored and disposed) in a safe and environmentally protective manner and in compliance with all applicable Federal and state laws and regulations and applicable DOE orders.

**Commentor No. 2161: Judith Alexander**

Dear Secretary Richardson,

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor: || 2161-1 || 2161-2

*There is too much risk  
to the Columbia River coast  
the environment to all  
more liquid High Level Nuclear  
Waste at Hanford. Please  
shut down the FFTF Reactor*

2161-3

Sincerely,

Name *Judith Alexander* Address *1831 14<sup>th</sup> St*  
City *Seattle* State *WA* ZIP *98145*

Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.

**Response to Commentor No. 2161**

**2161-1:** DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement.

**2161-2:** DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF.

**2161-3:** The commentor's concern about high-level radioactive waste generation at Hanford is noted. As identified in Section 4.3.1.1.13 of the NI PEIS, the restart of FFTF would generate about 63 cubic meters of additional radioactive waste (e.g., solid low-level radioactive waste) annually, in addition to nonhazardous wastes. This would account for about 2,205 cubic meters of additional radioactive waste to be generated over the 35 year period of nuclear infrastructure operations and is small in comparison to the waste generated by current Hanford activities. High level radioactive waste would not be generated from merely operating FFTF.

The use of proposed alternative facilities associated with reprocessing of neptunium-237 targets would have no impact on schedules or available funding for high-level radioactive waste programs at either Hanford or the INEEL sites. The higher activity waste would be treated as a solid form via a stand-alone vitrification system, separate from any tank waste treatment system. The existing Hanford high-level radioactive waste facilities would also not be used, and as analyzed in the PEIS, no existing or planned high-level radioactive waste facilities would be used to treat the wastes resulting from processing the irradiated targets.

The NI PEIS addressed the environmental impacts due to the treatment, storage, and disposal of the waste generated by the proposed action for all alternatives and alternative options. Waste minimization programs at each of the proposed sites are also addressed. It is DOE's policy that all wastes be managed (i.e., treated, stored and disposed) in a safe and environmentally protective manner and in compliance with all applicable Federal and state laws and regulations and applicable DOE orders.

***Commentor No. 2161: Judith Alexander (Cont'd)***

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***Response to Commentor No. 2161***

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FFTF is approximately 4.5 miles from the Columbia River. There are no discharges to the river from FFTF and no radioactive or hazardous discharges to groundwater. As indicated in analyses presented in Chapter 4 of Volume 1 (e.g., Sections 4.3.1.1.4, 4.3.3.1.4, 4.4.3.1.4, 4.5.3.2.4, and 4.6.3.2.4), there would be no discernible impacts to groundwater or surface water quality at Hanford from operation of Hanford facilities that would support the nuclear infrastructure missions described in Section 1.2 of Volume 1.

**Commentor No. 2162: Russ and Meg Hamlet**

Dear Secretary Richardson,

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor:

PLEASE DON'T ADD TO THE HARM ALREADY  
DONE TO OUR ENVIRONMENT AND PUT ALL  
OF US IN GREATER DANGER. DO YOU WANT  
TO BE REMEMBERED AS A SHORT SIGHTED  
INDUSTRY INFLUENCED PERSON OR A HOLISTIC  
VISIONARY?

Sincerely,

Name RUSS + MEG HAMLET Address 10501 MANITOU PARK NE  
 City B.I. State WA ZIP 98110

*Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.*

|| 2162-1 || 2162-2

2162-3

**Response to Commentor No. 2162**

**2162-1:** DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement.

**2162-2:** DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF.

**2162-3:** The commentors's opposition to the restart of FFTF is noted. This PEIS has provided an estimate of the incremental potential human health impacts associated with a reasonable range of alternatives (including the restart of FFTF) for the production of isotopes for medical uses, research and development, and as heat sources for radioisotope power systems. The methodology used is intended to provide realistic results based upon our current knowledge of the health impact of low doses of radiation. Section 4.3 of Volume 1 provides the results of the evaluation of potential health impacts that would be expected to result from implementation of Alternative 1 (which includes restart of FFTF), including normal operations and a spectrum of accidents that included severe accidents. The environmental analysis showed that radiological and nonradiological risks associated with restarting FFTF would be small.

FFTF is approximately 4.5 miles from the Columbia River. There are no discharges to the river from FFTF and no radioactive or hazardous discharges to groundwater. As indicated in analyses presented in Chapter 4 of Volume 1 (e.g., Sections 4.3.1.1.4, 4.3.3.1.4, 4.4.3.1.4, 4.5.3.2.4, and 4.6.3.2.4), there would be no discernible impacts to groundwater or surface water quality at Hanford from operation of Hanford facilities that would support the nuclear infrastructure missions described in Section 1.2 of Volume 1.

The NI PEIS identifies (in Chapter 3 of Volume 1) endangered species that live on or near all of the candidate sites, as well as aquatic and wetlands areas that may be impacted by operations at candidate locations. According to an International Atomic Energy Agency (IAEA) publication (IAEA Technical Report Series No. 332, Effects of Ionizing

***Commentor No. 2162: Russ and Meg Hamlet (Cont'd)***

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***Response to Commentor No. 2162***

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Radiation on Plants and Animals at Levels Implied by Current Radiation Protection Standards), a dose rate of 100 millirem per year to the most exposed human will lead to dose rates to plants and animals of less than 0.1 rad per day. The IAEA concluded that a dose rate of 0.1 rad per day or less for animals and 1 rad per day or less for plants would not affect these populations. The largest individual dose for any of the nuclear infrastructures alternatives under normal operations would be less than 0.1 millirem, which is three orders of magnitude less than the IAEA threshold for adverse effects. Therefore, implementation of any of the range of reasonable nuclear infrastructure alternatives analyzed would not be expected to result in adverse impacts on plants and animals living in potentially affected areas around the candidate sites.

## Commentor No. 2163: Marge Stamper

Dear Secretary Richardson,

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor:

*It is scandalous that DOE would consider restarting  
FFTF & producing more radioactive materials  
when they have yet to deal with the serious  
hazards posed by Hanford's status as the EPA's  
biggest Superfund site. Contaminants are already  
leaking into the environment, endangering  
the public & workers. The recent  
fire at Hanford is further proof of the*

Name Marge Stamper Address 5214 S. Brandon St  
City Seattle State WA ZIP 98118

*Hazards there to DOE's contempt for public &  
worker health, exemplified by their denials of  
radiation release during the fires.*

Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.

|| 2163-1 || 2163-2

2163-1

## Response to Commentor No. 2163

**2163-1:** DOE notes the commentor's opposition to Alternative 1, Restart FFTF, and concerns regarding the existing cleanup mission at Hanford. DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement. As stated in Section N.3.2, implementation of the nuclear infrastructure alternatives would not divert or reprogram budgeted funds designated for Hanford cleanup, regardless of the alternative(s) selected.

As identified in Section 4.3.1.1.13 of the NI PEIS, the restart of FFTF would generate about 63 cubic meters of additional radioactive waste (e.g., solid low-level radioactive waste) annually, in addition to nonhazardous wastes. This would account for about 2,205 cubic meters of additional radioactive waste to be generated over the 35-year period of nuclear infrastructure operations and is small in comparison to the waste generated by current Hanford activities. It is DOE's policy that all wastes be managed (i.e., treated, stored and disposal) in a safe and environmentally protective manner and in compliance with all applicable Federal and state laws and regulations and applicable DOE orders.

The NI PEIS addressed the environmental impacts due to the treatment, storage, and disposal of the waste generated by the proposed actions for all alternatives and alternative options. Waste minimization programs at each of the proposed sites are also addressed. These programs will be implemented for the alternative selected in the Record of Decision.

FFTF is approximately 4.5 miles from the Columbia River. There are no discharges to the river from FFTF and no radioactive or hazardous discharges to groundwater. As indicated in analyses presented in Chapter 4 of Volume 1 (e.g., Sections 4.3.1.1.4, 4.3.3.1.4, 4.4.3.1.4, 4.5.3.2.4, and 4.6.3.2.4), there would be no discernible impacts to groundwater or surface water quality at Hanford from operation of Hanford facilities that would support the nuclear infrastructure missions described in Section 1.2 of Volume 1.

***Commentor No. 2163: Marge Stamper (Cont'd)***

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***Response to Commentor No. 2163***

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In regards to the Hanford wildfire of 2000, the DOE Richland Operations Office, the State of Washington Department of Health, and U.S. Environmental Protection Agency performed environmental monitoring on and around the Site to assess potential radiological impacts. The wildfire did not cause a release of radioactive materials from any Hanford facilities but did result in resuspension of radioactive materials which were already in the environment. The very low levels of radioactive materials that were resuspended were slightly above natural background levels and required several days of analysis to quantify. Information on this event has been made available to the public and can be accessed at <http://www.Hanford.gov/envmon/indes.html>. This site also provides a link to information on the independent offsite air monitoring that was conducted by the U.S. Environmental Protection Agency.

**2163-2:** DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF.

**Commentor No. 2164: Alicelia and Robert Warren**

Dear Secretary Richardson,

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor:

*We already don't know what to do with the nuclear waste we have, & clean-up of what exists is way behind schedule & over budget. We urge you NOT to restart the FFTF nuclear reactor. Please protect the Columbia River & the citizens & wildlife in the Northwest.*

Sincerely,

*Alicelia & Robert Warren*

Name *Alicelia & Robert Warren* Address *2122 Bridgeport Hwy W.*

City *University Place* State *WA* ZIP *98466*

Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.

|| 2164-1 || 2164-2

2164-1

2164-3

2164-1

**Response to Commentor No. 2164**

**2164-1:** DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement. As stated in Section N.3.2, implementation of the nuclear infrastructure alternatives would not divert or reprogram budgeted funds designated for Hanford cleanup, regardless of the alternative(s) selected.

FFTF is approximately 4.5 miles from the Columbia River. There are no discharges to the river from FFTF and no radioactive or hazardous discharges to groundwater. As indicated in analyses presented in Chapter 4 of Volume 1 (e.g., Sections 4.3.1.1.4, 4.3.3.1.4, 4.4.3.1.4, 4.5.3.2.4, and 4.6.3.2.4), there would be no discernible impacts to groundwater or surface water quality at Hanford from operation of Hanford facilities that would support the nuclear infrastructure missions CCdescribed in Section 1.2 of Volume 1.

**2164-2:** DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF.

**2164-3:** See response to comment 2164-2.

**Commentor No. 2165: J. Wade Michaelis**

Dear Secretary Richardson,

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor:

*If we don't ~~stop~~ <sup>store</sup> the ~~waste~~ we exploit our natural resources and start using alternate sources of energy such as biomass fuels (hemp) we will end up exterminating ourselves for the sake of our own convenience.*

Sincerely,

Name J. Wade Michaelis Address 3815 Woodland Park Ave  
City Seattle State WA ZIP 98103

*Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.*

|| 2165-1 || 2165-2

2165-3

**Response to Commentor No. 2165**

- 2165-1:** DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement.
- 2165-2:** DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF.
- 2165-3:** DOE notes the commentor's interest in alternative energy sources, although issues of research and development of alternative energy sources are beyond the scope of this Nuclear Infrastructure PEIS. The DOE missions to be addressed in this EIS, which include the production of medical and industrial isotopes, the production of plutonium-238, and civilian nuclear energy research and development, can currently only be met using nuclear reactor or accelerator technologies.

**Commentor No. 2166: Charlene Osman**

Dear Secretary Richardson,

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor:

*I know the short term benefits of running the reactor may seem to make it worthwhile, but the long term problems negate any gains. To run the reactor is to kill your grandchildren in order to feed your children. There has got to be a better way.*

Sincerely, *Charlene M. Osman*

Name Charlene Osman Address 3815 Woodland Pl Ave N#104  
City Seattle State WA ZIP 98103

Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.

|| 2166-1 || 2166-2

2166-3

**Response to Commentor No. 2166**

- 2166-1:** DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement.
- 2166-2:** DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF.
- 2166-3:** This PEIS has provided an estimate of the incremental potential human health impacts associated with a range of reasonable alternatives (one of which includes the restart of FFTF) for the production of isotopes for medical uses, research and development, and as heat sources for radioisotope power systems. The methodology used is intended to provide realistic results based upon our current knowledge of the health impact of low doses of radiation. Section 4.3 of Volume 1 provides the results of the evaluation of potential health impacts that would be expected to result from implementation of these alternatives, including normal operations and a spectrum of accidents that included severe accidents. The environmental analysis showed that radiological and nonradiological risks associated with each alternative and with restarting FFTF would be small. As stated in Appendix H of the EIS, other human health impacts (non-fatal cancers and genetic mutations) occur with a lower frequency for the same level of exposure to low levels of radiation. Since the most likely impact on the population from all of the alternatives is no additional fatalities, it follows that the expected result for these other health impacts is no additional impact.

**Commentor No. 2167: E. L. Ellefron-Bauer**

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Dear Secretary NICHOLSON,

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor:

|| 2167-1 || 2167-2  
"DEAR SIRS OR MADAM:  
"SHUT DOWN" THE FFTF  
NUCLEAR REACTOR."  
\_\_\_\_\_  
\_\_\_\_\_

Sincerely,

Name E.L. Ellefron-Bauer Address 21919 MARIAN ROAD  
City Woodbury State WA ZIP 98020

*Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.*

**Response to Commentor No. 2167**

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- 2167-1:** DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement.
- 2167-2:** DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF.

## Commentor No. 2168: Gloria Abbenhouse

Dear Secretary Richardson,

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor:

*I am a grandmother. Need I  
say more.  
Can you tell me, for sure, what  
the long range effects are?*

Sincerely,

Name GLORIA ABENHOUSE Address 23431 MARANTHA WAY  
City ARLINGTON State WA ZIP 98223

Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.

|| 2168-1 || 2168-2

2168-3

## Response to Commentor No. 2168

- 2168-1:** DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement.
- 2168-2:** DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF.
- 2168-3:** The concern expressed in this comment with respect to the possible long range health and environmental effects of FFTF operation, has been noted. The environmental impacts associated with operation of the FFTF and support facilities at Hanford during normal operations and from postulated accidents are presented and discussed in Section 4.3 of the NI PEIS. All impacts to human health and to ecological resources would be small both in the immediate area of the Hanford site and at all distant locations. Long-term adverse health effects, including cancer, are discussed in Chapter 4 (Tables 4-17, 4-19, and 4-22 of the NI PEIS).

**Commentor No. 2169: Laurel Dillard**

Dear Secretary Richardson,

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor:

*do not let the beautiful Columbia River be further destroyed. We must keep the Northwest pristine and protected from further man-provoked destruction.*

Sincerely, *Laurel Dillard*

Name Laurel Dillard Address 425 Vint St. # 424  
City Seattle State WA ZIP 98121

*Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.*

2169-1 | 2169-2

2169-1

**Response to Commentor No. 2169**

**2169-1:** DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement. As stated in Section N.3.2, implementation of the nuclear infrastructure alternatives would not divert or reprogram budgeted funds designated for Hanford cleanup, regardless of the alternative(s) selected.

FFTF is approximately 4.5 miles from the Columbia River. There are no discharges to the river from FFTF and no radioactive or hazardous discharges to groundwater. As indicated in analyses presented in Chapter 4 of Volume 1 (e.g., Sections 4.3.1.1.4, 4.3.3.1.4, 4.4.3.1.4, 4.5.3.2.4, and 4.6.3.2.4), there would be no discernible impacts to groundwater or surface water quality at Hanford from operation of Hanford facilities that would support the nuclear infrastructure missions described in Section 1.2 of Volume 1

**2169-2:** DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF.

## Commentor No. 2170: D. Spring Svart

Dear Secretary Richardson,

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor:

We, my family, constitutes 8  
 native Oregonians who WANT  
 intensive clean-up operations  
 to continue at Hanford with NO  
 restart of the Fast-flux test facility  
 for ANY reason. Your reply requested  
 sincerely, D Spring Svart

Name D. Spring Svart Address 3416 ne 30<sup>th</sup> Ave.  
 City Portland State OR ZIP 97212

Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.

|| 2170-1 || 2170-2

2170-1

2170-3

## Response to Commentor No. 2170

- 2170-1:** DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement.
- 2170-2:** DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF, and opposition to Alternative 1, Restart FFTF.
- 2170-3:** See response to comment 2170-2.

**Commentor No. 2171: M. Shafer**

Dear Secretary Richardson,

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor: || 2171-1 || 2171-2

WE NEED LESS POLLUTION IN THE  
STATE OF WASHINGTON, NOT MORE !!

|| 2171-1

Sincerely,

Name M. Shafer Address 1619 2<sup>ND</sup> AVE. N.  
City SEATTLE State WA ZIP 98109-  
3113

*Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.*

**Response to Commentor No. 2171**

**2171-1:** DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement.

**2171-2:** DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF.

## Commentor No. 2172: Donald N. Wheeler

Dear Secretary Richardson,

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor:

*I feel strongly on this issue, because I was born and raised in the little town of White Bluffs on the Hanford Reach of the Columbia River. In 1943, my family along with all the other inhabitants was given 30 days to get out, to make room for plutonium production. Let's have Sincerely, no more plutonium! Atom bombs a violation of international law!*

Name Donald N. Wheeler Address 10674 Falk Road NE  
City Fredericton Island State WA ZIP 98110

Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.

|| 2172-1 || 2172-2

2172-3

## Response to Commentor No. 2172

- 2172-1:** DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement.
- 2172-2:** DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF.
- 2172-3:** DOE notes the viewpoint expressed by the commentor. As discussed in Section 1.2 of Volume 1, plutonium-238 would be produced to support NASA's deep space missions. Plutonium-238 is not used to produce nuclear weapons. All missions considered in the NI PEIS are for civilian purposes.

## Commentor No. 2173: D. Eggers

Dear Secretary Richardson,

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor:

The ill effects of nuclear power have been tolerated long enough. CANCER/Global warming Etc. Its time to follow Germanys lead - Stop this madness  
→ FUEL Cells ←

Sincerely,

Name D Eggers Address 3816 Ardillea  
City Atascadero State Ca ZIP 93422

Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.

|| 2173-1 || 2173-2

2173-3

## Response to Commentor No. 2173

- 2173-1:** DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement.
- 2173-2:** DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF.
- 2173-3:** The commentor's positions on nuclear power, cancer, global warming, and fuel cells are noted. As discussed in Chapter 4 of Volume 1 (e.g. 4.3.1.1.9, 4.3.2.1.9, 4.3.3.1.9), implementation of the alternatives described in Section 2.5 would pose no significant radiological risks or adverse impacts on air quality. The missions described in Section 1.2 can be accomplished only with a nuclear reactor or accelerator. Development of alternative energy sources such as fuel cells is outside of the scope of this NI PEIS.

**Commentor No. 2174: Henry Perry**

Dear Secretary Richardson,

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor:

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Sincerely,

Name Henry Perry Address 3215 E. Morley Way  
 City Seattle State WA ZIP 98112

*Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.*

|| 2174-1 || 2174-2

**Response to Commentor No. 2174**

- 2174-1:** DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement.
- 2174-2:** DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF.

**Commentor No. 2175: Lupito Flores**

Assistant Secretary for Environmental Management,

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor:

|| 2175-1 || 2175-2

Please spend money cleaning up  
the site, not generating more waste  
or importing more from other sites.

|| 2175-1

Sincerely,

Name Lupito Flores Address 1518 W. Cedar  
City Spokane State WA ZIP 99203

*Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.*

**Response to Commentor No. 2175**

**2175-1:** DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement.

The U.S. Congress funds the Hanford cleanup through the Office of the Assistant Secretary for Environmental Management (EM), and the FFTF through the Office of Nuclear Energy, Science and Technology (NE). The nuclear infrastructure missions described in Section 1.2 of Volume 1 would also be funded by NE, which has no funding connection to Hanford cleanup activities. As stated in Section N.3.2, implementation of the nuclear infrastructure alternatives would not divert or reprogram budgeted funds designated for Hanford cleanup, regardless of the alternative(s) selected.

**2175-2:** DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF.

**Commentor No. 2176: Erma Norton**

Dear Secretary Richardson,

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor:

*We do not want nuclear accidents  
in the Northwest. We value our  
people and our natural blessings too  
much to incur any unnecessary  
hazards. Thank you for helping to  
preserve our land as it is.*

Sincerely, *Erma Norton*

Name Erma Norton Address 437 Westbay Dr NW  
City Olympia State WA ZIP 98502

Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.

|| 2176-1 || 2176-2

2176-3

**Response to Commentor No. 2176**

- 2176-1:** DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement.
- 2176-2:** DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF.
- 2176-3:** FFTF can be safely operated to support the nuclear infrastructure missions described in Section 1.2 of Volume 1. Section 4.3 of Volume 1 provides the results of the evaluation of potential health impacts that would be expected to result from implementation of Alternative 1, including normal operations and a spectrum of accidents that included severe accidents. The environmental analysis showed that radiological and nonradiological risks associated with restarting FFTF would be small.

**Commentor No. 2177: Nancy Parrish**

Dear Secretary Richardson,

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor:

I have 2 young children and I owe it to them to be responsible and not contribute to more pollution and waste on this planet. Please vote against any Restart of Hanford and vote for cleanup. Enough damage to our environment has already been done.

Sincerely, Nancy H. Parrish

Name Nancy Parrish Address 25512 151 PL SE  
City Covington State WA ZIP 98042

Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.

|| 2177-1 || 2177-2

|| 2177-3

|| 2177-1

**Response to Commentor No. 2177**

- 2177-1:** DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement.
- 2177-2:** DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF, and opposition to Alternative 1, Restart FFTF.
- 2177-3:** See response to comment 2177-2.

**Commentor No. 2178: Elizabeth Bareheld**

Dear Secretary Richardson,

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor:

My family and I are very concerned about  
Plutonium production and storage. We  
do not support restarting Hanford's  
FFTF Nuclear reactor

Sincerely,

Name Elizabeth Bareheld Address 10533 NE 184th St  
City Bornheli State WA ZIP 98011

Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.

|| 2178-1 || 2178-2

|| 2178-3

**Response to Commentor No. 2178**

- 2178-1:** DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement.
- 2178-2:** DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF, and opposition to Alternative 1, Restart FFTF.
- 2178-3:** See response to comment 2178-2. The NI PEIS evaluates the risks and environmental impacts of plutonium production and storage at the candidate sites/facilities in Chapter 4 of Volume 1. The plutonium isotope under consideration is plutonium-238 which is not weapons material.

**Commentor No. 2179: U. Andrews**

Dear Secretary Richardson,

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor: || 2179-1 || 2179-2

*It is time to get off top service  
and onto actions.  
Hanford is dangerous! Clean  
it up and stop misusing  
the appropriated funds!*

2179-1

Sincerely, *U. Andrews*

Name *U. Andrews* Address *5930-2612 NW*  
City *Stanwood* State *WA* ZIP *98292*

Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.

**Response to Commentor No. 2179**

**2179-1:** DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement. FFTF restart would not impact the schedule or available funding for existing cleanup activities.

Hanford cleanup is funded by the Office of the Assistant Secretary for Environmental Management (EM). Funding for FFTF is provided through the Office Nuclear Energy, Science and Technology (NE). The nuclear infrastructure missions described in Section 1.2 of Volume 1 would also be funded by NE, which has no funding connection to Hanford cleanup activities. As stated in Section N.3.2, implementation of the nuclear infrastructure alternatives would not divert or reprogram budgeted fund designated for Hanford cleanup, regardless of the alternative(s) selected.

**2179-2:** DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF.

**Commentor No. 2180: Susan Witt**

Dear Secretary Richardson,

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor: || 2180-1 || 2180-2

*Hanford is unsafe and hazardous to both the environment and humans. Those individuals in charge of the clean-up have failed to ask Congress for enough money to safely handle the current waste. Adding more danger by supporting plutonium production in an unstable area is irresponsible and dangerous.*

Sincerely,  
Name Susan Witt Address 1214 Cascade  
City Head River State OR ZIP 97031

Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.

2180-1

2180-3

**Response to Commentor No. 2180**

**2180-1:** DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement.

The U.S. Congress funds the Hanford cleanup through the Office of the Assistant Secretary for Environmental Management (EM), and the FFTF through the Office of Nuclear Energy, Science and Technology (NE). The nuclear infrastructure missions described in Section 1.2 of Volume 1 would also be funded by NE, which has no funding connection to Hanford cleanup activities. As stated in Section N.3.2, implementation of the nuclear infrastructure alternatives would not divert or reprogram budgeted funds designated for Hanford cleanup, regardless of the alternative(s) selected.

The NI PEIS evaluated the maximum cumulative radiation exposure to the public from all reasonably foreseeable Hanford Site activities over the 35 year time-frame. As shown in section 4.8, the maximum annual dose to the public would be on the order of 1.9 millirem per year. This dose is well within the dose limits of 10 mrem/year (as required by the EPA Clean Air Act) and 4 mrem/year (as required by the EPA Safe Drinking Water Act), as implemented by DOE Order 5400.5. All environmental parameters (e.g. air, soil, surface water, groundwater, vegetation, animals, etc.) in and around the Hanford Site are monitored on a set frequency. The information is available to the public in annual monitoring reports. No food or water restrictions are currently in place outside the Hanford Reservation as a result of Hanford activities.

More specific the missions proposed in the NI PEIS, the environmental impacts associated with operation of the FFTF and support facilities at Hanford during normal operations and from postulated accidents are presented and discussed in Section 4.3 of the draft NI PEIS. All impacts to human health and to ecological resources are shown to be small in the immediate area of the Hanford Site and negligible at all distant locations.

***Commentor No. 2180: Susan Witt (Cont'd)***

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***Response to Commentor No. 2180***

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- 2180-2:** DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF.
- 2180-3:** This PEIS has provided an estimate of the incremental potential human health impacts associated with a range of reasonable alternatives (one of which includes the restart of FFTF) for the production of isotopes for medical uses, research and development, and as heat sources for radioisotope power systems. The methodology used is intended to provide realistic results based upon our current knowledge of the health impact of low doses of radiation. Section 4.3 of Volume 1 provides the results of the evaluation of potential health impacts that would be expected to result from implementation of these alternatives, including normal operations and a spectrum of accidents that included severe accidents. Plutonium is one of many substances that have been considered in the analysis of health and safety impacts for this PEIS. Plutonium is the primary contributor to the health impacts associated with the processing of irradiated neptunium targets at any of the neptunium target processing facilities. The environmental analysis showed that radiological and nonradiological risks associated with each of the analyzed alternative and with restarting FFTF would be small. As stated in Appendix H of the EIS, other human health impacts (non-fatal cancers and genetic mutations) occur with a lower frequency for the same level of exposure to low levels of radiation. Since the most likely impact on the population from all of the alternatives is no additional fatalities, it follows that the expected result for these other health impacts is no additional impact.

## Commentor No. 2181: Brandon July

Dear Secretary Richardson,

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor:

You don't know the reason you shut  
the reactor down because why, then,  
create more? Nuclear waste remains  
dangerous for millennia- stop this madness  
right now! Shut down the reactor and  
clean up your messes!

Sincerely,

Name Brandon July Address 4038 90th Ave SE  
 City Mercer Island State WA ZIP 98040

Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.

|| 2181-1 || 2181-2

|| 2181-3

|| 2181-2

|| 2181-1

## Response to Commentor No. 2181

- 2181-1:** DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement.
- 2181-2:** DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF.
- 2181-3:** DOE notes the commentor's concern regarding waste generation. The NI PEIS addressed the environmental impacts due to the treatment, storage, and disposal of the waste generated by the proposed action for all alternatives and alternative options. Waste minimization programs at each of the proposed sites are also addressed. These programs will be implemented for the alternative selected in the Record of Decision. The waste generated from any of the proposed alternatives in the NI PEIS will be managed (i.e., treated, stored and disposed) in a safe and environmentally protective manner and in compliance with all applicable Federal and state laws and regulations and applicable DOE orders.

**Commentor No. 2182: Neil McCauley**

Dear Secretary Richardson,

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor:

I HAVE NOT YET BEEN GIVEN DATA AND REASON  
TO SUPPORT CONTINUING THE REACTOR AND  
PROLONGING THE CLEAN-UP. EITHER DO YOUR  
JOB - CLOSE THE REACTOR AND CLEAN UP HANFORD,  
OR TELL ME WHY NOT.

Sincerely,

Name NEIL MCCAULEY Address 7835 SW 67th AVE., APT. 4  
City PORTLAND State OR ZIP 97223

*Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.*

|| 2182-1 || 2182-2

|| 2182-1

|| 2182-2

|| 2182-1

**Response to Commentor No. 2182**

**2182-1:** DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement. FFTF restart would not impact the schedule or available funding for existing cleanup activities.

The U.S. Congress funds the Hanford cleanup through the Office of the Assistant Secretary for Environmental Management (EM), and the FFTF through the Office of Nuclear Energy, Science and Technology (NE). The nuclear infrastructure missions described in Section 1.2 of Volume 1 would also be funded by NE, which has no funding connection to Hanford cleanup activities. As stated in Section N.3.2, implementation of the nuclear infrastructure alternatives would not divert or reprogram budgeted funds designated for Hanford cleanup, regardless of the alternative(s) selected.

More specific to the stated mission, section 1.2 of the NI PEIS provides information on the purpose and need for DOE's proposed expansion of the nuclear infrastructure to ensure the availability of isotopes for medical industrial, and research applications; providing plutonium-238 for NASA, and undertaking research and development activities related to development of nuclear power for civilian use.

**2182-2:** DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF.

**Commentor No. 2183: Julie Smith**

Dear Secretary Richardson,

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor:

*440 billion gallons of radioactive waste has been poured into the ground at Hanford. In 1957, 34,000 curies of radiation per day were flushed into the Columbia River. People downwind of Hanford are some of the most irradiated people on earth. Enough is enough! Please end all nuclear activity Sincerely, at Hanford except Clean Up.*

Name Julie Smith Address 1816 W 10<sup>th</sup> Ave #1  
 City Spokane State WA ZIP 99204

Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.

|| 2183-1 || 2183-2

2183-1

**Response to Commentor No. 2183**

**2183-1:** DOE notes the commentor's opposition to Alternative 1, Restart FFTF, and concerns regarding the existing cleanup mission at Hanford and the risk of contamination to the Columbia River. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement.

Restoration of the Hanford Site and waste management activities are the primary missions at Hanford. Although prior Hanford Site events are not within the scope of this PEIS, the referenced releases at Hanford were terminated with the shutdown of the last single pass-cooling reactor in 1971.

The proposed actions delineated in the NI PEIS would not have an impact on the Columbia River. FFTF is located approximately 4.5 miles from the Columbia River. There are no discharges to the river from FFTF and no radioactive or hazardous discharges to the groundwater. Analyses presented in Chapter 4 of the NI PEIS (e.g., Sections 4.3.1.1.4, 4.3.3.1.4, 4.4.3.1.4, 4.5.3.2.4, and 4.6.3.2.4) indicate that there would be no discernible impacts to groundwater or surface water quality at Hanford from operation of the Hanford facilities that would support the proposed actions. Also, no water quality impacts would be expected as a result of permanent deactivation of FFTF (Section 4.4.1.2.4).

**2183-2:** DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF.

**Commentor No. 2184: Mary Burki**

Dear Secretary Richardson,

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor: || 2184-1 || 2184-2

Time and again "we" have proceeded ahead with actions that "seemed like a good idea at the time."  
Far too often "we" later discover it wasn't such a good idea and the environment and our health suffer as a consequence.

Sincerely, Please get to cleaning up Hanford and do not restart the reactor  
Name MARY BURKI Address 4324 Phinney No.  
City Seattle, WA State ZIP 98103

Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.

**Response to Commentor No. 2184**

- || 2184-1 || 2184-3
- 2184-1: DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement.
- 2184-2: DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF, and opposition to Alternative 1, Restart FFTF.
- 2184-3: See response to comment 2184-2.

**Commentor No. 2185: Lynn Reer**

Dear Secretary Richardson,

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor:

    Please protect our children  
    and our environment. Please  
    honor agreements with citizens  
    of this country.

Sincerely,

*Lynn Reer*Name LYNN REER Address 3246 NE 54th AveCity Portland State OR ZIP 97213

Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.

|| 2185-1 || 2185-2

2185-1

**Response to Commentor No. 2185**

- 2185-1:** DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities to protect human health and the environment are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement.
- 2185-2:** DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF.

**Commentor No. 2186: G. D. Kerlick**

Dear Secretary Richardson,

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor:

*There is no compelling public need for this project. It is a corporate boondoggle which will, once more, leave the public holding the bag and make eventual cleanup vastly more expensive*

Sincerely,

Name G. D. Kerlick, Ph.D, Physics. Address 6342 34 Ave SW  
City Seattle State WA ZIP 98126-3148

Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.

|| 2186-1 || 2186-2

2186-3

**Response to Commentor No. 2186**

**2186-1:** DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement.

**2186-2:** DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF.

**2186-3:** DOE notes the commentor's opposition to expanding DOE's existing nuclear facility infrastructure. Consistent with its mandates under the Atomic Energy Act, DOE seeks to maintain and enhance its infrastructure for the purposes of addressing three primary needs:

1) to support the need for increased domestic production of isotopes for medical, research, and industrial uses, as initially identified by a panel of experts in the medical field and reaffirmed by the Nuclear Energy Research Advisory Committee;

2) to support future NASA space exploration missions by re-establishing a domestic capability to produce plutonium-238, a fuel source that is required for deep space missions and which the U.S. has no long-term, assured supply; and

3) to support civilian nuclear research and development needs in order to maintain the clean, safe, and reliable use of nuclear power as a viable component of the United States' energy portfolio. Section 1.2 of Volume 1 was revised to clarify the purpose and need of the proposed action.

The proposed action would not have an impact on the schedule or available funding for existing cleanup activities at candidate sites. It is DOE's policy that all wastes be managed (i.e., treated, stored and disposed) in a safe and environmentally protective manner and in compliance with all applicable Federal and state laws and regulations and applicable DOE orders.

**Commentor No. 2187: Gloria Black**

Dear Secretary Richardson,

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor:

|| 2187-1 || 2187-2

*For the benefit of all our future  
generations we must do what is responsible  
and makes sense for the long term.*

Sincerely,

Name Gloria Black Address 17758 NW Sunset Ave.  
City Portland State OR ZIP 97229

*Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.*

**Response to Commentor No. 2187**

- 2187-1:** DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement.
- 2187-2:** DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF.

**Commentor No. 2188: Aiko E. Low**

Dear Secretary Richardson,

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor: || 2188-1 || 2188-2

*Please help save the planet. This is more than just a Pacific NW issue.*

|| 2188-3

Sincerely, *Aiko E. Low and family*  
Name *Aiko E. Low* Address *PO Box 651*  
City *Stevenson, WA* State *WA* ZIP *98648*

*Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.*

**Response to Commentor No. 2188**

- 2188-1: DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement.
- 2188-2: DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF.
- 2188-3: DOE notes the commentor's concern for the global environment.

**Commentor No. 2189: Ola Edwards**

Dear Secretary Richardson,

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor:

|| 2189-1 || 2189-2

**\* No more nuclear waste at Hanford.****\* No delay to Hanford Cleanup.****\* No more threat to the Columbia R.**

Sincerely,

**Ola Edwards**Name **OLA EDWARDS** Address **4025 NE 57**City **Seattle** State **WA** ZIP **98105**

2189-1

Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.

**Thanks****Response to Commentor No. 2189**

**2189-1:** DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement. As stated in Section N.3.2, implementation of the nuclear infrastructure alternatives would not divert or reprogram budgeted funds designated for Hanford cleanup, regardless of the alternative(s) selected.

FFTF is approximately 4.5 miles from the Columbia River. There are no discharges to the river from FFTF and no radioactive or hazardous discharges to groundwater. As indicated in analyses presented in Chapter 4 of Volume 1 (e.g., Sections 4.3.1.1.4, 4.3.3.1.4, 4.4.3.1.4, 4.5.3.2.4, and 4.6.3.2.4), there would be no discernible impacts to groundwater or surface water quality at Hanford from operation of Hanford facilities that would support the nuclear infrastructure missions described in Section 1.2 of Volume 1.

**2189-2:** DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF.

**Commentor No. 2190: Diane W. Slota**

Dear Secretary Richardson,

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor:

While it may be true there is a small need for  
medical-grade plutonium, Hanford is currently  
such a large mess that more clean-up needs to  
be done before beginning any discussion of FFTF.  
We citizens of Washington state care about restoring  
Hanford to safe environmental condition.

Sincerely,

Name Diane W. Slota Address 11001 NE 145th St.

City Kirkland State WA ZIP 98034-4412

*Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.*

|| 2190-1 || 2190-2

2190-1

**Response to Commentor No. 2190**

**2190-1:** DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement.

Plutonium-238 will not be generated for direct medical applications in these DOE missions. This isotope is needed for NASA space exploration missions.

**2190-2:** DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF.

**Commentor No. 2191: Leanne Stagsdill**

Dear Secretary Richardson,

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor: || 2191-1 || 2191-2

The time has come for us to take responsibility for what we have already done to our environment, instead of repeating the mistake of our predecessors by handing even more destruction down to our children for our own short-lived immediate gain. The people have a right to know what is going on at Hanford!

Name Leanne Stagsdill Address 137 NE 112th  
City Seattle State WA ZIP 98125

Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments.

2191-1

**Response to Commentor No. 2191**

- 2191-1:** DOE notes the commentor's opposition to Alternative 1, Restart FFTF, and concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement. As stated in Section N.3.2, implementation of the nuclear infrastructure alternatives would not divert or reprogram budgeted funds designated for Hanford cleanup, regardless of the alternative(s) selected.
- 2191-2:** DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF.

## Commentor No. 2192: R. G. Armajian

Dear Secretary Richardson,

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor:

It is extremely foolish for the  
powerful of this generation to allow the  
resources that are absolutely necessary  
for human survival (clean water, air) etc  
to be destroyed simply for the sake of  
greed & personal gain.

Sincerely,

Name R. G. Armajian Address 10031 1st Ave NW  
City Seattle State WA ZIP 98107

Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.

|| 2192-1 || 2192-2

2192-3

## Response to Commentor No. 2192

- 2192-1:** DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement.
- 2192-2:** DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF.
- 2192-3:** The concerns expressed in this comment with respect to the impacts of an FFTF restart have been noted.

The impacts that would result from restart of the FFTF are addressed in Section 4.3 of the NI PEIS. Operation of the FFTF would result in releases of materials to the environment via airborne and liquid pathways. However, all air emissions and wastewater discharges would be in accordance with applicable permit and regulatory requirements. The releases of air pollutants and contaminated liquid are addressed in Section 4.3 of the NI PEIS. The release of air pollutants would result in concentrations well below Federal and state air standards (Table 4-13). The release of radioactivity and hazardous chemicals into the atmosphere would have a negligible effect on human health (Tables 4-17 and 4-19, respectively). There would be no discernible impacts to groundwater or surface water quality (Section 4.3.1.1.4). All impacts on ecological resources, including animals and fish, associated with operation of the FFTF would be small (Section 4.3.1.1.6).

The purpose and need for the production of isotopes and support of research and development is addressed in Volume 1, Section 1.2 of the NI PEIS. There is no greed or personal gain involved in DOE's commitment to supply the necessary irradiation services.

### Commentor No. 2193: Cathy Ferbiachi

Dear Secretary Richardson,

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor:

*Please live up to your agreements  
Please think about "doing the right thing"  
Think about the future, beyond your own life.  
Do something that may impact your career  
unfavorably, but will inspire many by your courage  
and let you sleep at night, and die in peace*

Sincerely,

*Respectfully,*

me Cathy Ferbiachi Address 2500 24th St SE  
y Bethell State WA ZIP 98001

Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.

|| 2193-1 || 2193-2

2193-3

### Response to Commentor No. 2193

- 2193-1:** DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement.
- 2193-2:** DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF.
- 2193-3:** DOE is committed to discharging its responsibilities in an open and unbiased manner and providing the public with comprehensive environmental reviews of its proposed actions.

**Commentor No. 2194: Susan Perkins**

Dear Secretary Richardson,

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor:

I am appalled that you plan to produce yet more dangerous nuclear waste. The money you spend on operating the FFTF reactor should instead be spent to clean up the nuclear waste tanks.

Sincerely,

*Susan Perkins*  
Name: Susan Perkins Address: 7731 14th Ave NW  
Seattle State: WA ZIP: 98117

Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.

|| 2194-1 || 2194-2

2194-3

2194-1

**Response to Commentor No. 2194**

**2194-1:** DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement. FFTF restart would not impact the schedule or available funding for existing cleanup activities.

The U.S. Congress funds the Hanford cleanup through the Office of the Assistant Secretary for Environmental Management (EM), and the FFTF through the Office of Nuclear Energy, Science and Technology (NE). The nuclear infrastructure missions described in Section 1.2 of Volume 1 would also be funded by NE, which has no funding connection to Hanford cleanup activities. As stated in Section N.3.2, implementation of the nuclear infrastructure alternatives would not divert or reprogram budgeted funds designated for Hanford cleanup, regardless of the alternative(s) selected.

**2194-2:** DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF.

**2194-3:** DOE notes the commentor's concern regarding waste generation. The NI PEIS addressed the environmental impacts due to the treatment, storage, and disposal of the waste generated by the proposed action for all alternatives and alternative options. Waste minimization programs at each of the proposed sites are also addressed. These programs will be implemented for the alternative selected in the Record of Decision. The waste generated from any of the proposed alternatives in the NI PEIS will be managed (i.e., treated, stored and disposed) in a safe and environmentally protective manner and in compliance with all applicable Federal and state laws and regulations and applicable DOE orders.

**Commentor No. 2195: Chris Fosse**

Dear Secretary Richardson,

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor:

*We already have enough dangerous waste at Hanford and the clean up is hopelessly behind schedule!*

Sincerely,

Name Chris Fosse Address 6531 15<sup>th</sup> Pl SE  
City Belleve State WA ZIP 98006

Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.

|| 2195-1 || 2195-2

|| 2195-1

**Response to Commentor No. 2195**

- 2195-1:** DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement.
- 2195-2:** DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF.

**Commentor No. 2196: Jeannine Florance**

Dear Secretary Richardson,

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor: || 2196-1 || 2196-2

*until the current clean-up is done it makes  
no sense to further jeopardize our  
environment & the health of people.  
There are too many incidents of cancer today.  
A surgeon friend feels there is a strong  
link to environmental causes. Please help  
prevent such risks.*

Sincerely,  
Name Jeannine Florance Address 2417 N. 45th St.  
City Seattle State WA ZIP 98103

Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.

2196-3

**Response to Commentor No. 2196**

- 2196-1:** DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement.
- 2196-2:** DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF.
- 2196-3:** The commentor's concern regarding the completion of cleanup efforts at Hanford is noted. As stated in Section N.3.2, implementation of the nuclear infrastructure alternatives would not divert or reprogram funds designated for Hanford cleanup, regardless of the alternative(s) selected.

Cancers are believed to be caused by a combination of hereditary and environmental factors, including exposure to ionizing radiation and chemical agents. This NI PEIS provides an estimate of the potential human health impacts associated with a range of reasonable alternatives considered for the production of radioisotopes for medical and industrial uses, research and development, and as heat sources for radioisotope power systems (See Sections 1.2 and 2.5 of Volume 1). The methodology used in the analysis of health effects, which is detailed in Appendixes H through J, is based upon our current knowledge of the health impacts that may result from exposure to low doses of ionizing radiation and chemical agents. Section 4.3 of Volume 1 provides the results of the evaluation of potential health impacts that would be expected to result from implementation of Alternative 1 (which includes restart of FFTF), including normal operations and a spectrum of accidents that included severe accidents. The environmental analysis showed that radiological and nonradiological risks associated with restarting FFTF would be small.

**Commentor No. 2197: Mary Whittenberger**

Dear Secretary Richardson,

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor:

*The credibility of official statements  
re Hanford and its environmental/health  
damage is negative, and has been for  
decades.*

*The FFTF Nuclear Reactor is no  
exception.*

Sincerely,

*Mary J. Whittenberger*

Name \_\_\_\_\_ Ms. Mary Whittenberger  
City \_\_\_\_\_  2815 NE 38th Ave.  
Portland, OR 97212-2853 ZIP \_\_\_\_\_

Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.

|| 2197-1 || 2197-2

2197-3

**Response to Commentor No. 2197**

- 2197-1:** DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement.
- 2197-2:** DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF.
- 2197-3:** DOE notes the commentor's opposition to Alternative 1, Restart FFTF, and concerns regarding official statements on Hanford missions and environmental impacts.

DOE radiological control requirements are designed with the intent to meet the legal requirements of 10 CFR 835, and there are provisions for enforcement actions should the requirements of 10 CFR 835 not be met. In order to meet these requirements, DOE has established the DOE Radiological Health and Safety Policy (DOE P 441.1, April 26 1996). Accuracy of radiological records is among the goals of this policy: the policy states in part "Ensure radiological measurements, analyses, worker monitoring results and estimates of public exposures are accurate and appropriately made."

The human health effects information presented in the NI PEIS is based on data collected at various DOE sites (specifically ORR, INEEL, and Hanford). The data used to quantify offsite consequences is derived from reports (which are available to the public) on the normal operational releases at the facilities being evaluated (for example DOE/RL-99-41 Radiological Air Emissions Report for the Hanford Site Calendar Year 1998). These reports are generated in response to DOE Order 231.1 "Environment, Safety, and Health Reporting" which requires an annual radiation dose summary addressing doses to workers and members of the public.

**Commentor No. 2198: Paul Moyer**

Dear Secretary Richardson,

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor: || 2198-1 || 2198-2

The National Research Council's recently released "Study of U.S. Nuclear-Waste Sites Calls DOE's Cleanup Approach Inadequate" (Wall Street Journal, 8/8/6) merely restated what we already know. I strongly urge you to select ALTERNATIVE 5. Let's Clean-up our waste before creating more.

	2198-1	
	2198-2	
	2198-1	

Sincerely,  
Paul Moyer, PA-C, RN, MPH.  
Name Paul Moyer Address PO Box 930  
City White Salmon State WA. ZIP 98672

Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.

**Response to Commentor No. 2198**

- 2198-1:** DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement. As stated in Section N.3.2, implementation of the nuclear infrastructure alternatives would not divert or reprogram budgeted funds designated for Hanford cleanup, regardless of the alternative(s) selected.
- 2198-2:** DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF.

**Commentor No. 2199: Myrna G. Eden**

Dear Secretary Richardson,

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor: || 2199-1 || 2199-2

We do NOT want to live with  
the danger of nuclear accidents and  
further contamination in our  
beautiful Pacific Northwest.

2199-3

Sincerely Myrna G. Eden

Name MYRNA G. EDEN Address 2007-Third Ave. N  
City Seattle State WA ZIP 98109

Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.

**Response to Commentor No. 2199**

- 2199-1:** DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement.
- 2199-2:** DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF.
- 2199-3:** FFTF can be safely operated to support the nuclear infrastructure missions described in Section 1.2 of Volume 1. Section 4.3 of Volume 1 provides the results of the evaluation of potential health impacts that would be expected to result from implementation of Alternative 1, including normal operations and a spectrum of accidents that included severe accidents. The environmental analysis showed that radiological and nonradiological risks associated with restarting FFTF would be small.

## Commentor No. 2200: Victor and Roberta Moore

Dear Secretary Richardson,

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor:

We moved here to tri-cities 3 yrs. ago believing that  
the Hanford Mission was no longer production but was  
now mission CLEAN-UP!! The FFTF will  
put us back into plutonium production & create  
MORE waste on top of the mountains of waste  
We have already! Let NYcity or Wash.D.C. be the  
Sincerely, Victor & Roberta Moore NEXT Nuclear Producti  
Center

Name Victor Moore Address 8149 W. Clearwater Pl.  
City Hennewick State WA. ZIP 99336

Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.

|| 2200-1 || 2200-2

2200-1

## Response to Commentor No. 2200

**2200-1:** DOE notes the commentor's opposition to Alternative 1, Restart FFTF, and concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement. As stated in Section N.3.2, implementation of the nuclear infrastructure alternatives would not divert or reprogram budgeted funds designated for Hanford cleanup, regardless of the alternative(s) selected.

As identified in Section 4.3.1.1.13 of the NI PEIS, the restart of FFTF would generate about 63 cubic meters of additional radioactive waste (e.g., solid low-level radioactive waste) annually, in addition to nonhazardous wastes. This would account for about 2,205 cubic meters of additional radioactive waste to be generated over the 35-year period of nuclear infrastructure operations and is small in comparison to the waste generated by current Hanford activities. It is DOE's policy that all wastes be managed (i.e., treated, stored and disposal) in a safe and environmentally protective manner and in compliance with all applicable Federal and state laws and regulations and applicable DOE orders.

The NI PEIS addressed the environmental impacts due to the treatment, storage, and disposal of the waste generated by the proposed actions for all alternatives and alternative options. Waste minimization programs at each of the proposed sites are also addressed. These programs will be implemented for the alternative selected in the Record of Decision.

**2200-2:** DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF.

**Commentor No. 2201: Richard Dilian**

Dear Secretary Richardson,

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor:

You can't keep bringing ~~up~~ radioactive  
waste material - some where the insanity  
of our actions must stop - please  
make it now - Summary alternative  
forms of energy could be more fully  
developed instead of playing with deadly  
radioactive <sup>poison</sup>

Sincerely,

Help!

Name Richard Dilian Address 1801 10<sup>th</sup> Ave E  
City Seattle State WA ZIP 98102

Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.

|| 2201-1 || 2201-2

2201-3

2201-4

**Response to Commentor No. 2201**

- 2201-1:** DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement.
- 2201-2:** DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF.
- 2201-3:** DOE notes the commentor's concern regarding waste generation. The NI PEIS addressed the environmental impacts due to the treatment, storage, and disposal of the waste generated by the proposed action for all alternatives and alternative options. Waste minimization programs at each of the proposed sites are also addressed. These programs will be implemented for the alternative selected in the Record of Decision. The waste generated from any of the proposed alternatives in the NI PEIS will be managed (i.e., treated, stored and disposed) in a safe and environmentally protective manner and in compliance with all applicable Federal and state laws and regulations and applicable DOE orders.
- 2201-4:** DOE notes the commentor's interest in alternative energy sources, although issues of research and development of alternative energy sources are beyond the scope of this Nuclear Infrastructure PEIS. The DOE missions to be addressed in this EIS, which include the production of medical and industrial isotopes, the production of plutonium-238, and civilian nuclear energy research and development, can currently only be met using nuclear reactor or accelerator technologies.

**Commentor No. 2202: Jim Minick**

Dear Secretary Richardson,

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor:

*Hanford is Corporate Welfare in Spades  
The "Clean Up" at Hanford is a  
joke and a crime. Billions have been  
spent and very little has been done.  
When they can show they are responsible  
about clean up, then consider production*

Sincerely,

*James W. Minick*

Name  **JIM MINICK** Address \_\_\_\_\_  
City **5 WILKINS DR** State \_\_\_\_\_ ZIP \_\_\_\_\_  
**LYLE, WA 98635**

Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.

|| 2202-1 || 2202-2

2202-1

**Response to Commentor No. 2202**

- 2202-1:** DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement. As stated in Section N.3.2, implementation of the nuclear infrastructure alternatives would not divert or reprogram budgeted funds designated for Hanford cleanup, regardless of the alternative(s) selected.
- 2202-2:** DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF.

**Commentor No. 2203: Allugh Bell**

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor:

The Columbia River is an  
ecosystem of utmost importance.  
We should respect your  
environment & appreciate what  
we have before things get  
worse!

Sincerely,

Name Allugh Bell Address 14126 34th Pl. S.  
City Tukwila State WA ZIP 98148-4078

Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.

|| 2203-1 || 2203-2

2203-1

**Response to Commentor No. 2203**

**2203-1:** DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford and protection of the Columbia River. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement. As stated in Section N.3.2, implementation of the nuclear infrastructure alternatives would not divert or reprogram budgeted funds designated for Hanford cleanup, regardless of the alternative(s) selected.

FFTF is approximately 4.5 miles from the Columbia River. There are no discharges to the river from FFTF and no radioactive or hazardous discharges to groundwater. As indicated in analyses presented in Chapter 4 of Volume 1 (e.g., Sections 4.3.1.1.4, 4.3.3.1.4, 4.4.3.1.4, 4.5.3.2.4, and 4.6.3.2.4), there would be no discernible impacts to groundwater or surface water quality at Hanford from operation of Hanford facilities that would support the nuclear infrastructure missions described in Section 1.2 of Volume 1.

**2203-2:** DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF.

## Commentor No. 2204: Bob Anderson

Dear Secretary Richardson,

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor:

|| 2204-1 || 2204-2

I WOULD LIKE TO KNOW HOW A GROUP OF PEOPLE, WHO WENT TO SCHOOL  
AND I'M SURE SEE THEMSELVES AS INTELLIGENT, CAME UP WITH A  
JUSTIFICATION TO RESTART THIS NUCLEAR REACTOR AND PRODUCE  
MORE PLUTONIUM. THERE ARE PROBLEMS NOW AT HANFORD  
THAT COULD BE A REAL THREAT TO ALL LIFE ALONG THIS RIVER FOR  
PROBABLY THE NEXT THOUSANDS OF YEARS. ???

2204-3

2204-1

Sincerely,

Name BOB ANDERSON Address 3852 S.W. CONDOR AVE.  
City PORTLAND State OR ZIP 97201

Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.

## Response to Commentor No. 2204

**2204-1:** DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement. As stated in Section N.3.2, implementation of the nuclear infrastructure alternatives would not divert or reprogram budgeted funds designated for Hanford cleanup, regardless of the alternative(s) selected.

FFTF is approximately 4.5 miles from the Columbia River. There are no discharges to the river from FFTF and no radioactive or hazardous discharges to groundwater. As indicated in analyses presented in Chapter 4 of Volume 1 (e.g., Sections 4.3.1.1.4, 4.3.3.1.4, 4.4.3.1.4, 4.5.3.2.4, and 4.6.3.2.4), there would be no discernible impacts to groundwater or surface water quality at Hanford from operation of Hanford facilities that would support the nuclear infrastructure missions described in Section 1.2 of Volume 1.

No food or water restrictions are currently in place outside the Hanford Reservation as a result of Hanford activities.

**2204-2:** DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF.

**2204-3:** Consistent with its mandates under the Atomic Energy Act, DOE seeks to maintain and enhance its infrastructure for the purposes of addressing three primary needs: 1) to support the need for increased domestic production of isotopes for medical, research, and industrial uses, as initially identified by a panel of experts in the medical field and reaffirmed by the Nuclear Energy Research Advisory Committee; 2) to support future NASA space exploration missions by re-establishing a domestic capability to produce plutonium-238, a fuel source that is required for deep space missions and which the U.S. has no long-term, assured supply; and 3) to support civilian nuclear research and development needs in order to maintain the clean, safe, and reliable use of nuclear power as a viable component of the United States' energy portfolio. The NI PEIS

***Commentor No. 2204: Bob Anderson (Cont'd)***

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***Response to Commentor No. 2204***

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evaluates a range of reasonable alternatives for accomplishing the proposed action, one of which includes use of FFTF. Section 1.2 of Volume 1 was revised to clarify the purpose and need of the proposed action.

Through a Memorandum of Understanding with NASA, DOE provides radioisotope power systems, and the plutonium-238 that fuels them, for space missions that require or would be enhanced by their use. In addition, under the National Space Policy issued by the Office of Science and Technology Policy in September 1996, and consistent with DOE's charter under the Atomic Energy Act, DOE is responsible for maintaining the capability to provide the plutonium-238 needed to support these missions. There are approximately 9 kilograms (19.8 pounds) of plutonium-238 in the U.S. inventory available to support future NASA space missions. Although research to identify other potential fuel sources to support these space exploration missions has been conducted, no viable alternative to using plutonium-238 has been established. Based on NASA guidance to DOE on the potential use of radioisotope power systems for upcoming space missions, it is anticipated that the existing plutonium-238 inventory will be exhausted by approximately 2005. Without an assured domestic supply of plutonium-238, DOE's ability to support future NASA space exploration missions may be lost. Section 1.2.2 of Volume 1 was revised to further clarify the purpose and need for reestablishing a domestic plutonium-238 production capability to support NASA space exploration missions.

**Commentor No. 2205: Lisa Kelsey/Bill Kelsey**

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor:

- 1) do not add waste to the Hanford site
- 2) do not create more Plutonium - the world does not need more Plutonium
- 3) do not delay the cleanup of Hanford
- PLEASE, PLEASE, PLEASE

Sincerely,

*Lisa Kelsey*  
 Name Bill Kelsey Address 14536 78th Ave NE  
 City Kenmore State WA ZIP 98028

*Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.*

- || 2205-1 || 2205-2
- || 2205-3
- || 2205-4
- || 2205-5

**Response to Commentor No. 2205**

- 2205-1:** DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing Hanford cleanup activities are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement.
- 2205-2:** DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF.
- 2205-3:** DOE notes the commentor's concern regarding waste generation. The NI PEIS addressed the environmental impacts due to the treatment, storage, and disposal of the waste generated by the proposed action for all alternatives and alternative options. Waste minimization programs at each of the proposed sites are also addressed. These programs will be implemented for the alternative selected in the Record of Decision. The waste generated from any of the proposed alternatives in the NI PEIS will be managed (i.e., treated, stored and disposed) in a safe and environmentally protective manner and in compliance with all applicable Federal and state laws and regulations and applicable DOE orders.
- 2205-4:** The purpose of the NI PEIS is to evaluate the environmental impacts of a range of reasonable alternatives to fulfill the proposed actions, one of which is the domestic production of plutonium-238. Plutonium-238, used to support NASA space missions, is not weapons-grade plutonium (i.e., plutonium-239). Whereas the United States is currently planning for the disposition of tons of surplus plutonium-239 that is not needed to support the U.S. nuclear weapons stockpile, there are approximately 9 kilograms (19.8 pounds) of plutonium-238 in the U.S. inventory available to support future NASA space missions. Through a Memorandum of Understanding with NASA, DOE provides radioisotope power systems and the plutonium-238 that fuels them for space missions that require or would be enhanced by their use. In addition, under the National Space Policy issued by the Office of Science and Technology Policy in September 1996, and consistent with DOE's charter under the Atomic Energy Act, DOE is responsible for maintaining the capability to provide the plutonium-238 needed to support these missions. Based on NASA

***Commentor No. 2205: Lisa Kelsey/Bill Kelsey (Cont'd)***

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***Response to Commentor No. 2205***

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guidance to DOE on the potential use of radioisotope power systems for upcoming space missions, DOE anticipates that the existing plutonium-238 inventory will be exhausted by approximately 2005. Section 1.2.2 of Volume 1 was revised to further clarify the purpose and need for reestablishing a domestic plutonium-238 production capability to support NASA space exploration missions.

- 2205-5:** DOE notes the commentor's concerns regarding the possible delay of the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing activities to remediate existing contamination at Hanford are high priority to DOE. Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement. As stated in Section N.3.2, implementation of the nuclear infrastructure alternatives would not divert or reprogram budgeted funds designated for Hanford cleanup, regardless of the alternative(s) selected.

**Commentor No. 2206: Paul Behodn**

Dear Secretary Richardson,

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor:

|| 2206-1 || 2206-2

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Sincerely, *Paul J. Behodn*

Name PAUL BEHODN Address 503 E. HARRISON  
City SEATTLE State WA ZIP 98102

*Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.*

**Response to Commentor No. 2206**

- 2206-1:** DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing activities to remediate existing contamination at Hanford are high priority to DOE. The Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE remains committed to upholding this Agreement.
- 2206-2:** DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF.

**Commentor No. 2207: Julie A. Hockett**

Dear Secretary Richardson,

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor:

*We do not want more nuclear waste  
at Hanford. We absolutely do not need  
plutonium produced from the FFTF. This  
is an abomination.  
Do not restart this reactor. Enough  
is enough.*

Sincerely,

Name Julie A. Hockett Address 222 174<sup>th</sup> PI NE  
City Bellevee State WA ZIP 98008

Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.

|| 2207-1 || 2207-2

|| 2207-3

|| 2207-4

|| 2207-5

**Response to Commentor No. 2207**

- 2207-1:** DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing activities to remediate existing contamination at Hanford are high priority to DOE. The Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. A Tri-Party Agreement change was made to place the milestones for FFTF's permanent deactivation in abeyance until the DOE reaches a decision on whether the facility will be used to meet mission needs. Public meetings were held on this formal milestone change. Implementation of the alternatives The missions described in Section 1.2 of Volume 1 would not have an impact on ongoing Hanford cleanup activities
- 2207-2:** DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF, and opposition to Alternative 1, Restart FFTF.
- 2207-3:** DOE notes the commentor's concern regarding waste disposal at the Hanford Site. Management of wastes that would be generated under implementation of Alternative 1, Restart FFTF, is discussed in Section 4.3 of Volume 1 (e.g., see Section 4.3.1.1.13). Section 4.3.1.1.13 was revised to clarify that, the Hanford waste management infrastructure is analyzed in this PEIS for the management of waste resulting from FFTF restart and operation. This analysis is consistent with policy and DOE Order 435.1, that DOE radioactive waste shall be treated, stored, and in the case of low-level waste, disposed of at the site where the waste is generated, if practical; or at another DOE facility. However, if DOE determines that use of the Hanford waste management infrastructure or other DOE sites is not practical or cost effective, DOE may issue an exemption under DOE Order 435.1 for the use of non-DOE facilities (i.e., commercial facilities) to store, treat, and dispose of such waste generated from the restart and operation of FFTF. In addition, Section 4.3.3.1.13 and 4.4.3.1.13 also address the potential impacts associated with the waste generated from the target fabrication and processing in FMEF and how this waste would be managed at the site.
- 2207-4:** DOE notes the commentor's opposition to restarting FFTF for plutonium 238 production. Through a Memorandum of Understanding with NASA,

***Commentor No. 2207: Julie A. Hockett (Cont'd)***

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***Response to Commentor No. 2207***

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DOE provides radioisotope power systems and the plutonium-238 that fuels them for space missions that require or would be enhanced by their use. In addition, under the National Space Policy issued by the Office of Science and Technology Policy in September 1996, and consistent with DOE's charter under the Atomic Energy Act, DOE is responsible for maintaining the capability to provide the plutonium-238 needed to support these missions. Based on NASA guidance to DOE on the potential use of radioisotope power systems for upcoming space missions, DOE anticipates that the existing plutonium-238 inventory will be exhausted by approximately 2005. Section 1.2.2 of Volume 1 was revised to further clarify the purpose and need for reestablishing a domestic plutonium-238 production capability to support NASA space exploration missions.

**2207-5:** See response to comment 2207-2.

## Commentor No. 2208: Kristin Hanson

Dear Secretary Richardson,

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor: || 2208-1 || 2208-2

IF YOU DON'T KEEP YOUR AGREEMENTS

WHAT WILL YOU KEEP?

Kristin Hanson.

Sincerely,

Name KRISTIN HANSON Address 692 ALDER ST.  
City EDMONDS State WA ZIP 98020

Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.

2208-1

## Response to Commentor No. 2208

- 2208-1:** DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing activities to remediate existing contamination at Hanford are high priority to DOE. The Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. A Tri-Party Agreement change was made to place the milestones for FFTF's permanent deactivation in abeyance until the DOE reaches a decision on whether the facility will be used to meet mission needs. Prior public meetings were held on this formal milestone change. The alternatives delineated in the NI PEIS would not have an impact on meeting the schedules for the Hanford cleanup activities.
- 2208-2:** DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF.

**Commentor No. 2209: Marion S. Moor**

Dear Secretary Merenda,

8/13/2000

Please honor the Clean-Up Agreement and Shut Down the FFTF Nuclear Reactor:

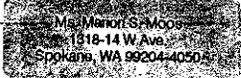
2209-1 2209-2

*During the Washington State Democratic State Convention, members of Heart of America held a consultation with you, Mr. Secretary, in an attempt to secure your support of allowing a favorable decision regarding plutonium production from the site of Hanford FFTF nuclear reactor. W. Moors & W. Citizens would not tolerate this*

2209-3

Name A Moor Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ ZIP \_\_\_\_\_



Please include my comments in the official record for the Pu-238/FFTF Environmental Impact Statement. Also, please respond to my comments and concerns.

**Response to Commentor No. 2209**

**2209-1:** DOE notes the commentor's concerns regarding the existing cleanup mission at Hanford. Although beyond the scope of this NI PEIS, ongoing activities to remediate existing contamination at Hanford are high priority to DOE. The Hanford Site environmental restoration activities are conducted in accordance with the Tri-Party Agreement (i.e., Washington State Department of Ecology, U.S. Environmental Protection Agency, and the U.S. Department of Energy). This agreement specifies milestones and schedules for restoration of all parts of the Hanford Site. DOE is fully committed to honoring this agreement.

As discussed in Section 4.3 of Volume 1, implementation of Alternative 1, Restart FFTF, would pose no significant risk to human health or safety.

**2209-2:** DOE notes the commentor's support for Alternative 5, Permanently Deactivate FFTF, and opposition to Alternative 1, Restart FFTF.

**2209-3:** See response to comment 2209-2.