



Final Transcript

NNSA Surplus Plutonium Disposition EIS Scoping Virtual Public Meeting

**Held on
Tuesday, January 26, 2021**



1 **FINAL**

2 **NNSA SURPLUS PLUTONIUM**

3 **DISPOSITION EIS SCOPING**

4 **VIRTUAL PUBLIC MEETING**

5 **HELD ON**

6 **TUESDAY, JANUARY 26, 2021**

7
8 **MR. GOODMAN:** All right. Good evening,
9 folks. It's 7:00 o'clock p.m. on the East Coast,
10 5:00 o'clock Mountain Time. I see a number of
11 attendees have joined the meeting. I think let's
12 wait just a minute or two, and we'll let other folks
13 join. And then we'll go ahead and get started.
14 Thanks for coming, and thanks for your patience.

15 **(Pause in the proceedings.)**

16 **MR. GOODMAN:** Good evening, everybody, and
17 welcome to this public scoping meeting on the
18 Surplus Plutonium Disposition Program Environmental
19 Impact Statement. My name is Dave Goodman, and I
20 will be your moderator for this evening's meeting.
21 I work at Pacific Northwest National Laboratory,
22 which is under contract to the National Nuclear
23 Security Administration to support this program.

24 We have a number of NNSA employees on the
25 call that you'll be hearing from, including Jeff

1 Galan, the NEPA document manager, which means he's
2 the project manager for this EIS; and Virginia Kay,
3 the office director in the Office of Material
4 Management and Minimization and manager over the
5 Surplus Plutonium Disposition Program.

6 It looks like right now we have 43
7 participants on the webinar, and we are very
8 appreciative and glad that you've been able to join
9 us.

10 So first off, we hope that everybody is
11 staying safe and healthy during the ongoing
12 pandemic. Obviously, we are holding this meeting
13 online, as in-person meetings aren't feasible or
14 realistic at this time. And so we appreciate your
15 interest in the project and your efforts to join us
16 for this virtual scoping meeting. We did this
17 yesterday with mostly -- most -- good success all
18 around, I would say. But we're -- please bear with
19 us as we attempt to use this technology and run the
20 virtual meeting as seamlessly as possible.

21 Since it's not as obvious as us getting in
22 line in an in-person scoping meeting, we will do our
23 best throughout the meeting to make it as clear as
24 possible how to provide a comment. Currently, all
25 attendees except for the presenters are muted. Our

1 WebEx producer, Catherine, will unmute both people
2 on the webinar and those calling in over the phone
3 when it is your turn to provide a comment.

4 So if you're interested in providing a
5 comment and you're logged into the webinar, if you
6 click on Participants on the bottom-right side of
7 your screen, that will open the Participants panel.
8 You can find a raised hand button at the bottom
9 right of that panel. If you press that raised hand,
10 that will put you into the queue to provide a
11 comment.

12 If you have just called in on the phone
13 and you would like to get into the queue, you can
14 press Star 3 to raise your hand, and we'll unmute
15 you when it's your turn to speak. When you get
16 unmuted, you might hear a beep or a voice telling
17 you that you've been unmuted.

18 Also, when we start the public comment
19 portion of the meeting after a short presentation on
20 the program, we'd like to start with Tribal,
21 Federal, State, and local elected officials and
22 representatives. If you're in that category and
23 you'd like to make a comment, please raise your hand
24 and also send a note for our WebEx producer in the
25 chat window on the bottom right of your screen that

1 you are an elected official and that you would like
2 to make a comment.

3 Please don't submit your comments through
4 the chat function. This is reserved for you to
5 identify yourself as a government official or if
6 you're having any technical issues with the WebEx.

7 So a little project background before
8 moving into the presentation. NNSA is developing
9 the Surplus Plutonium Disposition Program
10 Environmental Impact Statement as required by the
11 National Environmental Policy Act, or NEPA. The
12 NEPA process is intended to ensure that public
13 officials consider the environmental effects of
14 proposed actions and alternatives in order to foster
15 better decision-making and to provide opportunity
16 for public involvement, including early
17 participation during the scoping process, where we
18 are tonight. Public scoping is an important aspect
19 of the NEPA process.

20 Tonight, NNSA will be providing an
21 overview of its mission as it relates to this EIS.
22 In addition, there will be a brief description of
23 the NEPA process and NNSA's environmental review
24 process as well as a short explanation of the
25 history of plutonium disposition and relevant past

1 analyses.

2 Finally, NNSA will provide a description
3 of the purpose and need for this action, an
4 explanation of the Proposed Action, and a
5 description of the alternatives that will be
6 included in this EIS. However, at this early point
7 in the process, the alternatives have not yet been
8 finalized. Your input is important and valued as
9 NNSA proceeds into developing the EIS and refining
10 its analysis.

11 The input received during scoping will be
12 summarized and incorporated into the EIS, and NNSA
13 will consider all relevant input as the Draft EIS is
14 developed. After the Draft EIS is published,
15 additional meetings will be held to allow you to
16 provide input on that document.

17 So tonight's meeting will proceed as
18 follows: After I'm done here with the logistics,
19 we'll proceed to a presentation, giving some context
20 and background for the project, and we'll describe
21 the NNSA mission, the description of the NEPA
22 process, and the environmental review process, a
23 description of the history of plutonium disposition
24 and relevant past analyses, and a description of the
25 purpose and need for action, preliminary

1 alternatives and options, environmental issues of
2 potential concern, and the process and timeline for
3 the project. After the presentation, we will
4 proceed into the open public comment period.

5 So this meeting is scheduled for four
6 hours, or until 11:00 p.m. Eastern, 9:00 p.m.
7 Mountain. We're going to keep the webinar and phone
8 lines open until that time has elapsed. And we'll
9 also do our best to make sure that everybody has an
10 opportunity to make a comment, if interested. All
11 comments received orally here tonight will be
12 transcribed by a court reporter and will be
13 considered as part of the development of the Draft
14 EIS.

15 Please note that if you do not provide a
16 comment orally here in this meeting or, if time runs
17 short and we can't get to everybody, you have a
18 number of other options to provide your scoping
19 comment. You may provide your comment by phone,
20 mail, or email. And we'll show how to do that later
21 in the presentation.

22 If you've already submitted a comment, or
23 you submitted a comment at our meeting last night,
24 you don't have to provide an oral comment tonight,
25 but you are welcome to do so. All comments

1 received, regardless of the mechanism or forum -- or
2 -- or forum for doing so, will be considered
3 equally.

4 So again, we recognize some folks are
5 logged into the WebEx webinar, and you can see the
6 slides, currently Meeting Rules and Tips slide. And
7 we also recognize that some people have just called
8 in on the phone and, therefore, you can't see the
9 slides.

10 If you have internet access right now,
11 though, if you search NNSA NEPA Reading Room on the
12 internet, the very first link will take you to a
13 webpage that has a link to the PowerPoint
14 presentation that we'll be giving at this meeting, a
15 fact sheet, and a question-and-answer document.

16 And there's also a document regarding some
17 ground rules and tips for this webinar and how to
18 provide a comment in this forum. Additionally, you
19 can find the phone number, address, and/or email
20 address for you to provide your comment.

21 The link to the NNSA Reading Room was also
22 in the newspaper and other announcements for this
23 meeting. And again, we'll be providing that
24 information later in the presentation. Please note
25 that the -- the scoping period closes on February

1 1st.

2 So I'll now turn to Catherine, our WebEx
3 producer, who will provide additional information
4 for how to get into the queue for those that would
5 like to make an oral comment at tonight's meeting.

6 **MS. HEGWOOD:** Thank you, Dave.

7 Ladies and gentlemen, to -- to raise your
8 hand, if you open on the bottom-right side of your
9 screen, you'll see a little bubble that says
10 Participants with a little person. If you click on
11 that, it will turn blue, and it will open a
12 Participants panel on the right-hand side. You will
13 see all of the -- all of the panelists' names.
14 That's a -- that's a cue that you are in the right
15 area.

16 Down on the bottom-right side of that
17 panel, there's a little hand. If you click on that,
18 that will put you into the queue. I will call out
19 your name and unmute you once it's your turn to
20 speak.

21 For the people on the line -- on the phone
22 dialed in only, if you push Star 3, that will put
23 you in the queue as well.

24 Thank you, Dave. Back to you.

25 **MR. GOODMAN:** Thank you, Catherine.

1 Also, we have a Spanish translator, Alvaro
2 (phonetic), available for those that would like to
3 make a comment in Spanish. And we have posted
4 Spanish language copies of the PowerPoint
5 presentation, fact sheet, and question and answer on
6 the project website.

7 Alvaro, can you please introduce yourself
8 and explain where these documents can be found and
9 provide Spanish language directions on how to get
10 into the queue?

11 **THE INTERPRETER:** (Speaking in Spanish).

12 **MR. GOODMAN:** Thank you, Alvaro.

13 Thank you to Catherine as well.

14 All right. So with that, I'm going to
15 turn the presentation over to Jeff Galan, the NEPA
16 document manager, and Virginia Kay, the manager of
17 the Surplus Plutonium Disposition Program, who work
18 in the NNSA Office of Material Management and
19 Minimization and who will be walking us through the
20 PowerPoint presentation, providing information on
21 the project and the Environmental Impact Statement.

22 **MR. GALAN:** Great. Thanks, Dave.

23 Good evening. My name is Jeff Galan, and
24 I'm the NEPA document manager for the Surplus
25 Plutonium Disposition Program EIS.

1 I'd like to first provide you with a brief
2 explanation of what the National Nuclear Security
3 Administration is and then what the Office of
4 Material Management and Minimization does.

5 I am an NNSA employee, and I'm a member of
6 the Office of Material Management and Minimization.
7 And as the NEPA document manager for this EIS, my
8 primary role is a -- as a project manager for this
9 effort. I'm also the primary contact for any
10 questions or comments you might have regarding this
11 EIS. My contact information is at the end of this
12 presentation and was included in the newspaper and
13 other announcements for this meeting.

14 So what is the National Nuclear Security
15 Administration? We also call it NNSA. NNSA is a
16 semi-autonomous agency within the United States
17 Department of Energy. It maintains and enhances the
18 safety, security, and effectiveness of the U.S.
19 nuclear weapons stockpile. One of our primary
20 responsibilities is preventing nuclear weapons
21 proliferation and reducing the threat of nuclear and
22 radiological terrorism around the world.

23 So what is the Office of Material
24 Management and Minimization? It's also referred to
25 it as M-cubed. The Office of Material Management

1 and Minimization is an NNSA office responsible for
2 minimizing the use of and, where possible,
3 eliminating weapons-usable uranium and plutonium
4 around the world. This is the office that has been
5 charged with dispositioning 34 metric tons of
6 plutonium declared excess to national defense needs.

7 Why are -- why are we taking this action?
8 What is our purpose and need? Why does NNSA want to
9 disposition 34 metric tons of surplus plutonium?
10 Well, the action that we are discussing fits in with
11 NNSA's mission to reduce the threat of nuclear
12 weapons proliferation worldwide by dispositioning
13 surplus plutonium in the United States in a safe and
14 secure manner, ensuring that it can never again be
15 readily used in nuclear weapons.

16 To that end, NNSA will disposition 34
17 metric tons of surplus plutonium in a safe manner
18 and in a reasonable time frame at a cost consistent
19 with fiscal realities.

20 So let's now talk a little bit about the
21 National Environmental Policy Act, or NEPA, its
22 purpose and process. NEPA requires a process for
23 any major Federal action that may significantly
24 affect the quality of the human environment. The
25 purpose of NEPA is to ensure that public officials

1 consider the environmental effects of proposed
2 actions and alternatives in order to foster better
3 decision-making and to provide opportunity for
4 public involvement, including early participation
5 during the scoping process.

6 What is the planned timeline for this NEPA
7 review? Well, the scoping period for this EIS is 45
8 days. It opened on December 16, 2020, when the
9 Notice of Intent was published in the Federal
10 Register, and it will continue through February 1st
11 of 2021. Tonight's scoping meeting is part of this
12 public process.

13 You can see the preliminary estimates for
14 the other key dates in this NEPA effort. Once
15 public scoping ends, NNSA will begin preparing the
16 Draft EIS. Our goal is to have the Draft EIS
17 finished and published by late December 2021.

18 The Draft EIS will include a summary of
19 the scoping input received from the public as well
20 as Tribal, Federal, State, and local governments.

21 Once the Draft EIS is published, there is
22 another 45-day public comment period. Our current
23 schedule is to issue a Final EIS by mid-November of
24 2022 with a Record of Decision published by mid-
25 December 2022. Please understand that these are

1 just preliminary estimates, and dates can be changed
2 as the process proceeds.

3 Next, let's briefly discuss the background
4 and history. I won't discuss every item listed on
5 this slide, but just highlight a few. A more
6 detailed history of the various NEPA actions was
7 provided in the Notice of Intent published for this
8 EIS. There is a link on the NNSA NEPA website. In
9 addition, the relevant history is included in each
10 of the documents referenced on this timeline.

11 First, the process for disposing of
12 surplus plutonium began about 25 years ago when DOE
13 completed the Storage and Disposition of Weapons-
14 Usable Fissile Material Programmatic Environmental
15 Impact Statement in 1996. In this PEIS, DOE
16 evaluated deep borehole, immobilization, and reactor
17 alternatives, each with sub-alternatives, for
18 dispositioning surplus plutonium.

19 In a 1997 Record of Decision, or ROD, NNSA
20 documented its decisions to, one, immobilize some or
21 all surplus plutonium for disposal in a geologic
22 repository; two, fabricate some surplus plutonium
23 into mixed oxide, MOX, fuel for irradiation in
24 commercial reactors; three, consolidate storage of
25 pit plutonium at Pantex; and, four, consolidate

1 storage of non-pit plutonium at SRS.

2 In 1999, DOE completed the Surplus
3 Plutonium Disposition Environmental Impact
4 Statement, the SPD EIS. In the SPD EIS, DOE
5 evaluated immobilization alternatives and MOX fuel
6 fabrication alternatives, as well as siting
7 alternatives for the Mixed-Oxide Fuel Fabrication
8 Facility, a pit disassembly and conversion facility,
9 and an immobilization facility. Since then,
10 proposals on how to permanently disposition of
11 surplus plutonium changed several times, and each
12 step has been supported by an assessment of the
13 impacts to the environment, as NEPA requires.

14 In 2015, NNSA completed the Surplus
15 Plutonium Disposition Supplemental Environmental
16 Impact Statement, the SPD Supplemental EIS. In the
17 SPD Supplemental EIS, NNSA evaluated the MOX Fuel
18 Alternative; the WIPP Alternative, also referred to
19 as plutonium downblending or dilute and dispose; and
20 two variations on immobilization for disposition of
21 6 metric tons of non-pit plutonium and 7.1 metric
22 tons of pit plutonium.

23 This 13.1 metric tons of surplus
24 plutonium, for which a disposition path had not
25 previously been assigned, was in addition to the 34

1 metric tons NNSA decided to disposition using the
2 MOX approach.

3 In 2016, NNSA issued a ROD to dispose of
4 the six metric tons of non-pit plutonium using the
5 WIPP Alternative, or dilute and dispose. Using that
6 approach, NNSA is currently diluting the six metric
7 tons of non-pit plutonium with an adulterant using
8 modified or existing facilities, packaging the
9 material as contact-handled TRU waste, and shipping
10 it to WIPP for emplacement.

11 In addition, in 2020, NNSA prepared a
12 Supplement Analysis, an SA. And it was based on the
13 analysis presented in the 2015 SPD SEIS to evaluate
14 using dilute and dispose for disposition of 7.1
15 metric tons of non-pit plutonium. And NNSA
16 subsequently issued an Amended ROD, an AROD, to use
17 dilute and dispose to disposition that 7.1 metric
18 tons of the 34-metric-ton mission. This was done to
19 support efforts to disposition material that was
20 consolidated in South Carolina.

21 I know this was complicated, so I again
22 encourage you to read a more detailed history of the
23 various NEPA actions provided in the Notice of
24 Intent that we published for this EIS. There is a
25 link to the NOI on the NNSA NEPA website.

1 Now I'm going to turn over the
2 presentation of the next few slides to Virginia Kay.
3 Virginia?

4 **MS. KAY:** Thank you, Jeff.

5 Good evening, everyone. Welcome. My name
6 is Virginia Kay. And I'm the director of the Office
7 of Materials Disposition, the NNSA office that's
8 responsible for the management and permanent
9 disposition of inventories of weapons-usable nuclear
10 material that are in excess of national security
11 needs. I certainly welcome your interest in our
12 program and appreciate your attendance at tonight's
13 scoping meeting as we begin the preparation of a
14 comprehensive EIS for the Surplus Plutonium
15 Disposition Program.

16 The Proposed Action in this EIS is the
17 reconsideration of the disposition path for 34
18 metric tons of plutonium that is in excess of
19 defense needs of the United States. The 34 metric
20 tons of material under consideration in this EIS is
21 comprised of both pit and non-pit plutonium. Pit
22 plutonium comes from the central core of a nuclear
23 weapon, and it's in metal form, while non-pit
24 plutonium may be in either a metal or oxide form.
25 But it's still considered to be weapons-usable

1 material.

2 Over the last two and a half decades, DOE
3 has studied many alternative technologies and
4 locations for the disposition of surplus plutonium.
5 DOE had previously decided to disposition the 34
6 metric tons of plutonium by fabricating oxidized
7 plutonium into Mixed Oxide, or MOX, fuel for
8 irradiation and domestic commercial reactors, which
9 would be then used to produce electricity.

10 However, the MOX fuel disposition path is
11 no longer a viable alternative, as the MOX project
12 was terminated in 2018 and the former MOX Fuel
13 Fabrication Facility is being repurposed for another
14 NNSA mission.

15 NNSA needs to complete the analysis in
16 this EIS to determine a disposition process and
17 strategy that can be safely executed in -- within a
18 reasonable time frame and a cost consistent with our
19 current fiscal realities. To maximize efficiency,
20 NNSA is proposing to implement a proven technology
21 that is based on processes that require a minimal
22 research and development and, therefore, minimizes
23 deployment time.

24 NNSA's preferred alternative for the
25 disposition of the 34 metric tons of surplus

1 plutonium, pit plutonium and non-pit plutonium, is
2 the dilute and dispose approach, also known as
3 plutonium downblending. Plutonium downblending is a
4 proven technology previously used and currently in
5 use within the DOE complex, as Jeff pointed out
6 earlier.

7 In summary, dilute and dispose requires
8 disassembly of pits, conversion of pit and non-pit
9 plutonium metal to an oxide form. Plutonium oxide
10 is then blended with an adulterant mixture in a dry
11 process. This product produces a diluted product
12 that is not readily usable for weapons and can be
13 safely disposed of as transuranic waste at the Waste
14 Isolation Pilot Plant in New Mexico.

15 The dilute and dispose approach would
16 require new, modified, or existing capabilities
17 within the DOE complex. And the sites under
18 consideration for this program are the Savannah
19 River Site, the Los Alamos National Laboratory, the
20 Pantex Plant, and the Waste Isolation Pilot Plant.

21 Today, the dilute and dispose approach is
22 currently being used to disposition six metric tons
23 of non-pit plutonium that is not considered part of
24 the 34 metric tons.

25 Additionally, most recently, in August

1 2020, DOE decided to dispose of an additional 7.1
2 metric tons of surplus non-pit plutonium using the
3 dilute and dispose approach in order to support
4 efforts to disposition material that was
5 consolidated in South Carolina.

6 The 7.1 metric tons of non-pit plutonium
7 is part of the 34 metric tons that was originally
8 designated for the fabrication of mixed oxide fuel.

9 Slide 11 presents a very high-level system
10 overview depicting the major steps in the surplus
11 plutonium disposition process using the dilute and
12 dispose approach. The intent of this diagram is to
13 highlight the major steps in this process and is not
14 intended to address every detailed step in the
15 dilute and dispose process.

16 Starting at the top-left corner and moving
17 clockwise around the diagram, nuclear weapon pits
18 are first disassembled using a lathe, which is shown
19 in the first picture. Plutonium metal is then
20 heated using a high-temperature furnace to form an
21 oxide. Non-pit plutonium, if not already in oxide
22 form, is also converted to an oxide using these
23 high-temperature furnaces.

24 A disassembly lathe, furnaces, and
25 associated equipment needed to convert plutonium

1 metal to an oxide are located in a series of
2 gloveboxes that separate workers from the hazardous
3 material. The oxide is then packaged into
4 specialized containers, commonly called a 3013, or
5 an alternative configuration, such as a SAVY or can-
6 bag-can, all of which are nested can configurations
7 with multiple layers. These configurations are
8 compliant with DOE standards for storage and
9 transfer of plutonium.

10 Plutonium oxide-bearing containers and
11 Blend Can Kits prefilled with an adulterant mixture
12 are introduced into a glovebox used for dilution
13 processing. The second picture shows an existing
14 glovebox currently being used for plutonium
15 downblending at Savannah River Site.

16 Continuing clockwise, the 3013 or
17 alternate containers are opened, and a specified
18 amount of plutonium oxide is added to blend cans
19 containing the adulterant material. Plutonium oxide
20 and adulterant are blended using a mixture shown in
21 Image 4. The blend can is subsequently placed
22 inside of a robust outer container that's used to
23 reduce radiological exposure to workers. The
24 downblending process results in a mixture that is
25 not readily usable for weapons, and it can be safely

1 disposed of as transuranic waste at WIPP. Once
2 again, as a point of emphasis, the disassembly,
3 oxidation, and downblending activities all occur
4 within gloveboxes located within secure facilities.

5 After the downblend process is completed,
6 the robust outer containers of diluted surplus
7 plutonium are bagged out of gloveboxes and packaged
8 into Criticality Controlled Overpack containers,
9 commonly called CCOs. The CCOs are metal drums
10 approved for offsite shipment and disposal of
11 downblended plutonium. The CCOs are characterized
12 to verify compliance with the WIPP waste acceptance
13 criteria; loaded into shipping packages, commonly
14 called TRUPACT IIs; and then shipped to Waste
15 Isolation Pilot Plant where the resulting
16 transuranic waste is placed over 2,000 feet
17 underground.

18 Slide 12 shows the sites within the DOE
19 complex where dilute and dispose activities would be
20 performed. The majority of the 34 metric tons of
21 surplus plutonium is in pit form, which is staged at
22 the Pantex Plant in Amarillo, Texas. Surplus pits
23 are shipped in approved shipping packages by secure
24 transport to the Los Alamos National Laboratory in
25 New Mexico, which currently maintains the only

1 capability within the complex for disassembling pits
2 and converting plutonium metal to oxide.

3 The Savannah River Site in South Carolina
4 has an existing capability, the K Area Interim
5 Surveillance glovebox, to dilute plutonium using the
6 processes described on the previous diagram. And
7 it's currently executing a capital project at
8 Savannah River Site to install additional gloveboxes
9 and support systems to expand dilution kit capacity.

10 And lastly, the Waste Isolation Pilot
11 Plant in New Mexico is the final site in the
12 disposition path with the underground disposal of
13 diluted surplus plutonium as transuranic waste.

14 The next series of slides will show our
15 preferred alternative and options being analyzed in
16 this EIS. As previously stated, the dilute and
17 dispose approach is the preferred alternative and is
18 the only technological alternative currently
19 proposed for the scope of this EIS. The Department
20 has extensively evaluated other technological
21 alternatives in previous NEPA analysis and studies
22 and does not believe that other technological
23 approaches could be implemented in a cost-effective
24 manner or within a reasonable time frame. However,
25 NNSA will consider input from stakeholders on other

1 possible alternatives as part of the scoping process
2 that -- that you're participating in tonight.

3 The dilute and dispose approach would
4 require new, modified, or existing capabilities at
5 Pantex, Los Alamos, Savannah River Site, and WIPP.
6 The options presented over the next several slides
7 are variants of the dilute and dispose approach,
8 which range from a combination of facilities at
9 several sites to multiple facilities at a single
10 site. However, all options for executing dilute and
11 dispose approach will result in a permanent
12 disposition of diluted surplus plutonium as
13 transuranic waste at WIPP.

14 Slide 13 shows the preferred alternative.
15 Under the preferred alternative, pits would be
16 transferred from Pantex to Los Alamos for
17 disassembly. Both pit and non-pit plutonium, if not
18 already in an oxide form, would be oxidized at Los
19 Alamos and packaged in a 3013 or alternate
20 containers for shipment to Savannah River Site. At
21 Savannah River, the plutonium oxide would be
22 diluted, packaged in CCOs, characterized to ensure
23 compliance with the WIPP waste acceptance criteria,
24 and shipped to WIPP for final disposition.

25 Slide 14 shows Option 1. Under Option 1,

1 capability for dilution of plutonium oxide and
2 subsequent packaging, characterization, and shipment
3 to WIPP from Los Alamos National Laboratory would --
4 would be implemented. In Option 1, LANL would have
5 the full suite of processes required to disassemble
6 pits, oxidize pits, oxidize plutonium metal, dilute
7 plutonium oxide, package diluted surplus plutonium,
8 and ship the resulting transuranic waste to WIPP.

9 Also, under Option 1, Savannah River Site
10 would maintain the capability for dilution,
11 characterization, and packaging. Under this option,
12 the backend processes for downblending could occur
13 at either Los Alamos or Savannah River Site.

14 Moving on to slide 15, this shows Option
15 2. In Option 2, Los Alamos would process nuclear
16 weapons pits and send pit plutonium oxide to
17 Savannah River Site. However, in this option, a
18 supplemental capability for oxidation of non-pit
19 plutonium metal would be installed at Savannah River
20 Site, allowing the oxidation portion of the overall
21 process to either be performed at either Los Alamos
22 or Savannah River Site. Both pit and non-pit
23 plutonium oxide would then be diluted,
24 characterized, packaged, and shipped to WIPP from
25 SRS.

1 Slide 16 shows a potential Option 3.
2 Option 3 entails new, existing, or modified
3 facilities at Pantex, Los Alamos, and/or Savannah
4 River Site. These facilities would provide the full
5 suite of processes required to execute the dilute
6 and dispose approach from production of plutonium
7 oxide through shipment of the diluted surplus
8 plutonium to WIPP and would supplement or possibly
9 replace the existing or planned processes at Los
10 Alamos and Savannah River Site.

11 And finally, the EIS will also consider a
12 no action alternative, as shown in this slide. The
13 no action alternative would consist of continued
14 safe storage of surplus pit plutonium at Pantex and
15 the disposition of 7.1 metric tons of non-pit
16 plutonium using the dilute and dispose approach as
17 described in the August 2020 Amended Record of
18 Decision.

19 And this completes my portion of the
20 presentation. I very much appreciate your time and
21 appreciate your input. And I'll turn it back over
22 to Jeff.

23 Thanks, Jeff.

24 **MR. GALAN:** Thanks, Virginia.

25 Well, when a Federal agency undertakes an

1 EIS, it must analyze the full range of environmental
2 effects of the preferred alternative and of the
3 reasonable alternatives identified in the Draft EIS.
4 Here is a list of the environmental topics that we
5 plan on considering in the SPDP EIS. These include
6 air quality, cultural resources, ecological
7 resources, environmental justice, geology and soils,
8 human health of workers and the public, the human
9 health effects of accidents. And we'll also look at
10 the effects on infrastructure, land and visual
11 resources, noise, socioeconomics, transportation,
12 waste management, and water resources.

13 And finally, let's talk about the topics
14 for consideration during the scoping process. NNSA
15 is seeking comments from the public on the following
16 aspects of the SPDP EIS, the appropriate scope of
17 the SPDP EIS, other reasonable alternatives that DOE
18 should consider, and environmental topics that DOE
19 should evaluate in the EIS.

20 Well, this concludes our presentation on
21 the SPDP EIS. Now it's time for the public comment
22 portion of the scoping meeting. How can you provide
23 comments on this EIS? Well, today you can submit
24 oral comments on the scope of the Surplus Plutonium
25 Disposition Program EIS, and they will be

1 transcribed by a court reporter. You can also leave
2 a message on voice mail at 803-952-7434. And you
3 may mail your comment to me at Jeffrey Galan, NNSA
4 Office of Material Management and Minimization,
5 Savannah River Site, P.O. Box A, Building 730-2B,
6 Room 328, Aiken, South Carolina, 29802. Or you may
7 submit your comments by email to spd-
8 eis@nnsa.doe.gov.

9 If you've already provided a comment by
10 phone, mail, or email, you do not have to provide it
11 again tonight. However, you are welcome to do so.
12 All comments will be treated equally, regardless of
13 which method you choose to use.

14 Please remember that the comment period
15 closes on February 1st, 2021. Please try to submit
16 your comments before then. Any comments received
17 after February 1st will be considered to the extent
18 practical.

19 Thank you so much for your attention and
20 your input. Now I'm going to turn it back over to
21 Dave Goodman for the public comment portion of this
22 scoping meeting.

23 Dave?

24 **MR. GOODMAN:** Great. Thank you, Jeff and
25 Virginia.

1 So we know that was a lot of information
2 in a pretty short amount of time, and we encourage
3 you to read more at the project website, which you
4 can find at the NNSA NEPA Reading Room.

5 So now we are going to begin the public
6 comment portion of the meeting. To start, we're
7 going to -- we will rely on the queue of folks that
8 have raised their hand via the WebEx webinar
9 feature, and we'll periodically check in to see if
10 there are any comments from phone participants.

11 To start, we'll be requesting that
12 comments last no longer than three minutes, and I'll
13 be tracking that on the timer that I will pull up on
14 the screen shortly. As your time begins to run
15 short, I'll try to let you know. And when your time
16 expires, I will respectfully ask you to conclude.

17 We appreciate you being respectful of the
18 project staff and your fellow members of the public.
19 Certainly, we don't anticipate that this will be an
20 issue. But in order to make sure everyone has the
21 same amount of time to comment, we may need to mute
22 your line after three minutes. If time permits,
23 when everybody has had the opportunity to provide
24 their comment, you may have the opportunity to
25 provide a second comment.

1 Again, if you're interested in making a
2 comment and you're logged into the webinar, if you
3 hit the Participants button on the bottom right of
4 the screen, that will open the Participants panel,
5 and then you can find the raised hand button at the
6 bottom right of that panel. If you press the raised
7 hand button, that will put you into the queue.
8 Please leave your hand raised so that we're able to
9 track that you want to make a comment.

10 If you've called in on the phone and are
11 not logged into the webinar, please press Star 3 to
12 be added to the telephone queue and Star 3 to lower
13 your hand after you've made your comment.

14 Again, we'll start with some questions
15 from those logged into the webinar, and we'll
16 periodically check to see if there are phone
17 comments.

18 For those on the webinar, we'll call you
19 by your display name, and we'll be fairly obvious
20 that it's your turn to provide a comment. For those
21 on the phone, we don't have a method of seeing your
22 name. So when we unmute your line, you may hear a
23 voice telling you that you are unmuted, or you may
24 hear a beep or have seen -- some people don't really
25 hear anything at all. But for all, once you've

1 given your comment, if you would lower your hand, we
2 would appreciate it. And you can do that by
3 pressing Star 3.

4 Okay. So let's begin. We're first going
5 to receive comments from Tribal, Federal, State, and
6 local officials. Again, if you are a Tribal,
7 Federal, State, or local government official and you
8 haven't already raised your hand, please raise your
9 hand in the webinar feature and also send a chat to
10 our producer, Catherine, noting your status.

11 Catherine, are we ready for the first
12 commenter?

13 **MS. HEGWOOD:** Sure. Thank you, Dave.

14 Our first comment is from Chairman Gary
15 Bunker.

16 Chairman Gary Bunker, you are unmuted.

17 **MR. BUNKER:** All right. Thank you very
18 much. Can you hear me now?

19 **MR. GOODMAN:** We can hear you.

20 **MS. HEGWOOD:** Yes, we can.

21 **MR. BUNKER:** Excellent. Well, thank you
22 very much. I do appreciate the opportunity to speak
23 with you this evening.

24 As Chairman of the Aiken County Council, I
25 endorse the National Nuclear Security

1 Administration's preferred approach to dilute and
2 dispose surplus plutonium at the Savannah River
3 Site. It is my hope that, in conjunction with the
4 plutonium pit project, that these operations at SRS
5 will process and remove surplus plutonium from the
6 State of South Carolina, continue to support our
7 country's strategic deterrent, and capitalize on the
8 Savannah River Site's technical expertise and
9 outstanding safety record.

10 The Aiken County Council recently passed a
11 unanimous resolution in support of the NNSA's
12 Surplus Plutonium Disposition Program to dilute and
13 dispose of 34 metric tons of excess plutonium. This
14 resolution has been submitted separately with my
15 written comments.

16 The Council recognized the role that SRS
17 plays in our national security, its ability to
18 support long-term missions, such as treatment and
19 disposal of plutonium waste, and its unique
20 capabilities in the areas of technical competence,
21 safety, environmental protection and security.

22 The Aiken County Council also noted that
23 SRS has extensive plutonium downblending experience
24 already at the highly secured K Area complex,
25 including significant upgrades to its existing

1 glovebox, the expansion of operations from one to
2 two shifts, and its plan to increase to four shifts
3 to further increase production.

4 There is widespread support in this
5 community for existing missions, along with newly
6 proposed programs at the Savannah River Site.

7 Specifically, in regards to the SPD Program, the
8 Aiken County Council supports the NNSA's preferred
9 alternative as outlined in the Draft Environmental
10 Impact Statement.

11 Thank you very much for your time. And
12 again, I appreciate the opportunity to comment this
13 evening.

14 **MR. GOODMAN:** Great. Thank you, Mr.
15 Bunker.

16 And I started the timer. And then I
17 realized after that we were not planning on using
18 the timer for elected officials, so I stopped it.
19 So if you are an elected official and you would like
20 to provide your comment, you have as much time as
21 you would like.

22 Catherine, do we have a subsequent
23 government official?

24 **MS. HEGWOOD:** We sure do. Our next
25 comment is going to come from Congressman Rick

1 Allen.

2 It looks like Rick has dropped off. My
3 apologies on that. He's no longer connected to the
4 WebEx.

5 **MR. GOODMAN:** All right. We'll see if we
6 can get him later if he comes back on.

7 **MS. HEGWOOD:** Perfect. And that's -- as
8 far as who have been identified so far, that's all.

9 **MR. GOODMAN:** Okay. Well, then let's move
10 into the general public portion of the meeting.

11 **MS. HEGWOOD:** Okay. Great. Thank you.

12 Our first comment will come from Janet.

13 And Janet, you are unmuted.

14 **MS. GREENWALD:** Thank you.

15 As I'm sure you know, the National Academy
16 of Sciences recently has determined that, in order
17 to receive the surplus plutonium, there would be --
18 have to be a violation of the laws and regulations
19 that now govern that. These laws and regulations
20 represent promises that were made to the people of
21 New Mexico concerning WIPP, concerning what kind of
22 waste would come here, how long we would be
23 receiving that waste.

24 We were also promised that there would be
25 other sites to take that waste. Now this proposal

1 not only proposes that WIPP take waste that is not
2 legally possible, it also brings waste to Los Alamos
3 to be processed.

4 I live downwind from Los Alamos. And in
5 my community, which is a farming community, we have
6 been contaminated by Los Alamos over and over again.
7 Los Alamos does not have a good record when it comes
8 to handling any kind of waste.

9 So why is this waste coming here? Why --
10 why is there not another repository? Well, some of
11 us believe that it's because we are a minority-
12 majority state, which is considered unofficially a
13 sacrifice area. I want to say that you can't be
14 fair to people of color if you illegally dump on
15 them. That's not a fair thing to do.

16 So I'm hoping you will reconsider your
17 alternatives and not bring this waste to New Mexico,
18 who is already beleaguered with problems that have
19 been caused by the nuclear industry.

20 Thank you for this time to comment.

21 **MR. GOODMAN:** Thank you so much, Ms.
22 Greenwald.

23 Catherine, we are still showing that
24 Congressman Allen is showing as an attendee. Can
25 you see if he is on the line?

1 **MS. HEGWOOD:** He sure is. My apologies
2 for that.

3 Rick, you are -- or Congressman Allen, you
4 are unmuted.

5 **CONGRESSMAN ALLEN:** Thank you. Can you
6 hear me?

7 **MR. GOODMAN:** We can. Thank you.

8 **CONGRESSMAN ALLEN:** Okay. Great. Super.
9 Good evening to everyone. I -- I am
10 grateful to have this opportunity to submit formal
11 comments for the preparation of an Environmental
12 Impact Statement for the Surplus Plutonium
13 Disposition Program. I have enjoyed the
14 presentation thus far and want you to know that the
15 Savannah River Site plays a critical and strategic
16 role in our nation and a key aspect to ensure
17 lasting safety and security. It's finding a
18 permanent solution to dispose these materials.

19 I am supportive of the -- supportive of
20 the efforts of the National Nuclear Security
21 Administration is making to keep good on their
22 promise of processing and removing plutonium from
23 South Carolina as they prepare an Environmental
24 Impact Statement.

25 The Savannah River Site has a longstanding

1 history of providing safe and successful nuclear
2 waste management. Our workforce is second to none
3 and have demonstrated time and again their
4 commitment to safety. Both South Carolina and my
5 home state of Georgia support the Savannah River
6 Site's many missions and work to ensure the ability
7 to recruit and retain a great workforce.

8 I thank you for consideration of these
9 comments, and I look forward to continuing this
10 process to ensure a safe solution to dispose of
11 surplus plutonium. Thank you.

12 **MR. GOODMAN:** Congressman Allen, thank you
13 very much for your time tonight and for your
14 attendance and for your comment.

15 With that, Catherine, can we move on to
16 the next?

17 **MS. HEGWOOD:** Once again, Congressman
18 Allen, I do apologize for that.

19 All right. Our next comment is going to
20 come from Russell.

21 Russell, you are unmuted.

22 **MR. LAHODNY:** Yes. Thank you.

23 Good evening. My name is Russell. I am
24 the president and CEO of the Columbia County Chamber
25 of Commerce here in Georgia. I'm here to voice our

1 support of the Savannah River Site's role in the
2 Surplus Plutonium Disposition Program. We certainly
3 understand the complexity of this issue, but the
4 Savannah River Site is a great steward and partner
5 of the communities in this region, including
6 Columbia County, where more than 1,000 of their
7 employees reside.

8 Knowing the safety track record of SRS, we
9 fully support this program and have the utmost
10 confidence in that workforce, who, again, many of
11 our -- many of them are our neighbors, and that they
12 will handle this mission with great care and great
13 diligence.

14 So the Chamber is grateful for the quality
15 jobs SRS provides for our community and our region,
16 which in turn plays a significant role here in
17 strengthening our local economy.

18 With that, we thank you for the
19 opportunity to support SRS in this way, and I
20 respectfully relinquish my remaining time.

21 **MR. GOODMAN:** Thank you so much, Mr.
22 Lahodny.

23 **MS. HEGWOOD:** Great. Thank you.

24 And our next speaker will be from John.

25 John, you are unmuted.

1 **MR. HEATON:** Good evening, my name is John
2 Heaton, and I am the co-chairman of the Mayor's
3 Nuclear Task Force here in Carlsbad that has a major
4 focus on WIPP.

5 The City of Carlsbad in Eddy County stand
6 in strong support of the dilute and dispose approach
7 for the 34 tons of weapons plutonium to be disposed
8 at WIPP. It is ridiculous to think of atoms of
9 plutonium that are on equipment or clothing being
10 any different from plutonium atoms being diluted
11 with stardust to a concentration that meets the WIPP
12 waste acceptance criteria.

13 Dilute plutonium concentrations is what we
14 take at WIPP as TRU waste. The dilute concentration
15 will meet the lowest concentration acceptable at
16 WIPP and will categorically be contact-handled
17 waste.

18 The Task Force has been discussing this
19 possibility for a number of years, and we and the
20 community are convinced from a safety, security,
21 proliferation, and cost approach this makes imminent
22 sense. There is no place in the world that compares
23 with WIPP and its 2,000-foot layer of salt to
24 permanently dispose of material that will never see
25 the light of day.

1 Shortly after WIPP's opening, several tons
2 of plutonium from Rocky Flats was diluted and
3 disposed of at WIPP after confirmation by Sandia of
4 the safety of the disposal. The Record of Decision
5 has been issued for the six tons of OPSEC plutonium
6 and the 7.1 tons of non-weapon plutonium, and it is
7 being diluted and ready for WIPP disposal.

8 The 34 tons of plutonium in the EIS is
9 part of this scoping, awaiting a decision to dilute
10 and dispose at WIPP. The system for dilution and
11 disposal process that then includes -- that includes
12 the four sites is well thought through and, we
13 believe, is the preferred alternative.

14 The National Academy of Sciences has
15 confirmed the efficacy of the dilute and dispose
16 approach at WIPP. The science supports the EIS
17 approach. WIPP is clearly the best alternative to
18 reduce proliferation. Safeguards are eliminated.
19 The separation of the plutonium is virtually
20 impossible. There is an enormous cost saving. The
21 Mayor's Task Force supports it. Plutonium disposal
22 is WIPP's mission. It is what WIPP does.

23 Thank you very much.

24 **MR. GOODMAN:** Thank you very much, Mr.
25 Heaton.

1 **MS. HEGWOOD:** All right. Great. Thank
2 you.

3 And our next speaker is Sharon Rodgers.
4 Sharon, you are unmuted.

5 **MS. RODGERS:** Hello?

6 **MR. GOODMAN:** Yes, we can hear you.

7 **MS. HEGWOOD:** Yes, we can hear you now.

8 **MS. RODGERS:** Okay. Good. Thank you.

9 Good evening. I'm Sharon Rodgers, and I'm
10 the president of the United Way of Aiken County. I
11 have lived in Aiken County for over four years. I
12 wish to offer my support of the National Nuclear
13 Security Administration's efforts related to its
14 preparation of an Environmental Impact Statement for
15 its Surplus Plutonium Disposition, SPD, Program,
16 which will involve Savannah River Site and other DOE
17 sites across the nation.

18 The NNSA's preferred option to dilute and
19 dispose of this surplus plutonium will safely and
20 securely process this material to ensure it cannot
21 be used in nuclear weapons. This option will also
22 remove the surplus plutonium from South Carolina.

23 SRS is a world-class safety culture in
24 extensive expertise in plutonium downblending at its
25 highly secure K Area complex. The SPD project will

1 add three additional gloveboxes and support
2 infrastructure, along with additional hiring, to
3 significantly accelerate the removal of the surplus
4 plutonium from South Carolina.

5 Today, SRS continues to make significant
6 progress on both its national defense missions and
7 environmental cleanup commitments. SRS has the
8 secure nuclear materials processing infrastructure,
9 talented workforce, and community support to make it
10 uniquely suited to fulfill such an important
11 production mission.

12 The Savannah River Site has been operating
13 safely in Aiken County for over 70 years. The
14 United Way of Aiken County owes its very existence
15 to SRS. SRS contractors and employees are active
16 and engaged partners in our community. They are our
17 go-to supporters. They're our largest contributors,
18 helping to support 30 partner agencies and 45
19 critical need programs, benefitting vulnerable
20 seniors, children, disabled, under-employed, and
21 people in crisis. They provide the four Ts -- time,
22 talent, treasure, and testimony.

23 This past year, over 300 volunteers worked
24 at 20 separate and different sites during our Day of
25 Caring. These volunteers serve as our board members

1 and committee members. They help support our
2 schools and provide our community with many
3 resources. They are our partners and improve lives
4 in our communities.

5 We support the NNSA's proposed
6 downblending plan, and we have full confidence in
7 the SRS workforce to safely and securely complete
8 this mission. I am honored to support SRS. They
9 care about our community and their mission to make
10 the world safer.

11 Thank you so much for giving me this
12 opportunity to speak.

13 **MR. GOODMAN:** Thank you very much, Ms.
14 Rodgers.

15 **MS. HEGWOOD:** Thank you.

16 And our next speaker is going to be Scott
17 Kovac.

18 Scott, you are unmuted.

19 **MR. KOVAC:** Good evening. Thank you for
20 this opportunity to comment on the Draft
21 Supplemental -- I mean the Draft Surplus Plutonium
22 Disposition Program EIS.

23 I want to make it clear from the start
24 that we are strong advocates for the permanent
25 disposal of plutonium so it cannot be used again in

1 nuclear weapons. An Environmental Impact Statement
2 is required to analyze all major impacts of a
3 proposed project and compare those impacts to
4 critical alternatives. This EIS should weigh and
5 consider the public security and economic benefits
6 of all options, which is more than it appears to be
7 offered in this EIS as it stands.

8 It was stated that dilute and dispose is
9 the only option being considered in this EIS. But
10 then again -- but then later it was stated other
11 reasonable alternatives the DOE should consider, you
12 know, was open for comment from the public. It
13 seems like DOE and NNSA are eliminating options.
14 They are eliminating reasonable alternatives. All
15 alternatives must be analyzed, including
16 immobilization.

17 It was -- it was also stated that a
18 reasonable time frame and current fiscal respond --
19 reasonable time frame and current fiscal realities
20 must be taken -- will be taken into account. Well,
21 this violates NEPA. All -- all -- all -- all
22 realities and all options must be open for
23 discussion and analyzation.

24 A new Programmatic EIS is needed. NNSA is
25 not in compliance with NEPA and should not proceed

1 to an Environmental Impact Statement. This is
2 because this as the -- the EIS has tiered off the
3 1996 Storage and Disposition of Weapons-Usable
4 Fiscal -- Fissile Materials Programmatic EIS, using
5 -- using -- using that broader, but now outdated,
6 document as its foundation. NNSA's new proposals
7 are so fundamentally different from the program and
8 alternatives discussed in 1996 that a new or
9 supplemental Programmatic Environmental Impact
10 Statement is needed.

11 I just wanted to -- before we go, I wanted
12 to compare your slide number 7 to your slide number
13 8. I mean slide 7 is just the NEPA process, and
14 slide 8 is the -- the NEPA process as it's been for
15 this EIS. You know, it's much, much, much, much
16 more complicated.

17 Thank you. I'd like to say one more
18 thing. Just place all reference documents online.

19 Thank you.

20 **MR. GOODMAN:** Okay. Thank you for your
21 comment, Mr. Kovac.

22 **MS. HEGWOOD:** Great. Thank you.

23 And our next speaker is Barbara Warren.

24 Barbara, you are unmuted.

25 **MS. WARREN:** Oh, thank you. Can you hear

1 me?

2 **MR. GOODMAN:** We can.

3 **MS. WARREN:** Oh, okay. I'm -- I'm coming
4 a little late to this -- this particular issue at
5 this time. I had read months ago a GAO report about
6 the fact that the -- the MOX program at Savannah
7 River was being canceled because of the -- the large
8 and ballooning expenses to -- to create MOX. And so
9 that GAO report was talking about the -- that -- at
10 that time the consideration of dilute and dispose.

11 So again, I'm coming in late to this. But
12 what I see here is we're -- we're again oxidizing
13 fuel, and then we're diluting it and -- to be
14 disposed. I don't remember further oxidation at the
15 time in the GAO report. So I'm having a little
16 difficulty with this.

17 And I'm just -- I guess I'm questioning
18 what -- you haven't said anything about the cost of
19 this whole project. And obviously, you had a huge
20 problem with the cost of the MOX program in the
21 past. You're now talking about using -- I believe
22 it was four different facilities for aspects of
23 this. And -- and, of course, some of these
24 facilities have had trouble with criticality, and
25 they haven't been able to fix that either.

1 So I'm going to have to read up and -- and
2 look a lot more at what's going on here. But I
3 really would like to understand why there's an
4 oxidation step again before you do the dilute and
5 dispose. That was certainly not discussed in the
6 GAO document that I had read previously. And I -- I
7 hope the documents are available because I really
8 want to read them.

9 Thank you very much.

10 **MR. GOODMAN:** Thank you, Ms. Warren.

11 And just to reiterate, all documents that
12 we -- and the PowerPoint that was given tonight and
13 -- and relevant documents are all on the NNSA NEPA
14 Reading Room website.

15 **MS. HEGWOOD:** All right. Great. Thank
16 you.

17 And we are -- that's -- it -- that's as
18 far as the people that are logged into the WebEx.
19 We are going to take phone call from -- phone call-
20 in users only now. We're going to call on call-in
21 user number 18.

22 You are unmuted if you could please state
23 your name. Thank you.

24 **DR. REVELL:** Yes.

25 **MR. GOODMAN:** For the --

1 DR. REVELL: My name --

2 MR. GOODMAN: Oh, there you go. We can
3 hear you.

4 DR. REVELL: Yes. My name is Tim Revell.
5 I have some history with this because I was in
6 Hereford, Texas, when they tried to put the dump
7 just north of that town. I now live in Amarillo.

8 And the -- the reason that they picked
9 this area to put the dump in at that time was we had
10 a less than one person per square mile and that our
11 salt dome was 2 percent water. Water, apparently,
12 migrates when the plutonium or the fissionable
13 material is put into the salt domes. And this is
14 why the dump that was in Russia blew up.

15 This area is particularly heavy in
16 farming. We grow greater than 50 percent of the red
17 wheat that is used to make bread. It supplies all
18 the -- most of the seed, over 50 percent of the
19 seed, for Kansas, Oklahoma, Louisiana, and Texas.

20 Also, we have a large dairy industry.
21 There are probably greater than 15 dairies within 50
22 miles of Amarillo and where Pantex is located. We
23 also have large cattle industry here in the 26
24 counties in the panhandle. So it would be
25 absolutely disastrous to our food chain if any

1 accidents ever happened.

2 But they have happened at -- at the WIPP
3 project. Several years ago, there was a fire. And
4 the -- we are downwind from that facility. And
5 there was only a small, short article in the
6 newspaper that we were downwind, and nothing was
7 ever done as far as checking on the contaminants.
8 None of that was published. So --

9 **MR. GOODMAN:** I'm just noting you have 20
10 seconds left.

11 **DR. REVELL:** All right. And so I would
12 just like to have them consider -- consider not
13 consider either the WIPP project or Pantex.

14 Thank you.

15 **MR. GOODMAN:** Thank you, Mr. Revell.

16 If -- for -- for purposes of our scoping
17 report, if you wouldn't mind spelling your last
18 name, we would appreciate that. But you can also
19 remain anonymous, if you prefer.

20 **DR. REVELL:** Yes. It's Tim Revell, R-e-v-
21 e-l-l. I am a local --

22 **MR. GOODMAN:** Great.

23 **DR. REVELL:** -- physician.

24 **MR. GOODMAN:** Great. Thank you very much.

25 **MS. HEGWOOD:** And that is all of the

1 raised hands for now.

2 **MR. GOODMAN:** Okay. Well, it sounds like
3 we've heard from everybody in the queue at this
4 point.

5 Again, if you were not able or chose not
6 to make a comment in this forum, hopefully not a
7 technical issue, but if you were not able to, you
8 have a number of options for doing so either by
9 phone, mail, or email.

10 I'm going to stop sharing the timer for
11 right now. Yep. And I think we can see the How to
12 Provide Comments on the screen again. So you can
13 send your comments either by phone, by mail, or by
14 email, as shown on the screen.

15 And I guess for those on the phone, I'll
16 just repeat the phone number -- 803-952-7434. And
17 I'll repeat the email address -- spd-
18 eis@nnsa.doe.gov. And again, comments are due by
19 February 1st.

20 So I know we gave everybody three minutes
21 to start. If anybody that's on the phone or on the
22 webinar would like to extend their comment, we'd be
23 happy to give you three more minutes. So if anybody
24 would like to do that and you'd like to raise your
25 hand, please go ahead and do that.

1 Regardless, we are going to leave the
2 webinar and the phone lines open until the end of
3 the advertised time of the meeting tonight. So you
4 are welcome to stay, but you are certainly not
5 required to stay. And we're going to check in
6 periodically to make -- see if there's anybody that
7 joined late that would like to make a comment or
8 anybody that would like to make a second comment.

9 For those of you that have provided your
10 comment tonight or that have just listened to this
11 point in the process, we sincerely appreciate your
12 interest in the Surplus Plutonium Disposition
13 Program EIS and the time that you took to attend
14 tonight's meeting. Your interest and your
15 participation is really very appreciated.

16 So for those of you that would like to
17 drop off, you're welcome to. I guess I'll check one
18 more time to see if we've had anybody re-raise their
19 hand or any new hand raising.

20 **MS. HEGWOOD:** All right. We do have --
21 Scott Kovac has raised his hand again.

22 Scott, you are unmuted.

23 **MR. GOODMAN:** Great.

24 **MR. KOVAC:** This EIS must evaluate all
25 options for disposal of plutonium as waste. NNSA's

1 disposition program should programmatically
2 reevaluate the disposal of plutonium in -- as waste,
3 immobilizing glass and/or ceramic. Immobilization
4 has the promise of being quicker and cheaper and
5 safer than MOX and would -- and would ambiguous --
6 unambiguously be a genuine proliferation program.
7 However, in 19- -- I mean, however, in 2002, DOE
8 made the decision to cancel the surplus plutonium
9 immobilization program.

10 NNSA must reconsider its preferred
11 alternative. A construction of a new geologic
12 repository instead of expanding WIPP must be
13 analyzed. The impact of expanded plutonium
14 operations on this proposal must be explained fully.
15 As you know, there's currently an expansion of
16 plutonium -- plutonium pit operations proposed by
17 NNSA. And you know, they're going to be shipping a
18 lot of plutonium parts back and forth across the
19 country, in addition to anything that this EIS is
20 planning. So those two need to be analyzed and
21 considered together.

22 The impact of more plutonium on cleanup at
23 LANL must be analyzed. Right now, Los Alamos and --
24 and SRS, you know, have cleanup programs, most of
25 them. LANL's is a little bit smaller than SRS's.

1 But the impacts of the cleanup at the -- at SRS and
2 Los Alamos must be analyzed.

3 All Defense Nuclear Facilities Safety
4 Board concerns must be met. Transportation is going
5 to be a major part of this EIS. And you know, the
6 number of estimated shipments, the amount of
7 plutonium, the amount of miles all must be, of
8 course, estimated and analyzed.

9 The -- the review -- this programmatic --
10 this review must analyze the impacts of more
11 plutonium waste at WIPP. It is unlikely that WIPP's
12 current limits can accommodate NNSA's proposal for
13 surplus plutonium.

14 There is also increasing suggestion that
15 WIPP may also be asked to dispose of other
16 radioactive waste. And once again, WIPP -- WIPP --
17 WIPP -- we need a rigorous review of what WIPP can
18 realistically handle in its current state.

19 And NNSA should rethink this EIS.
20 Instead, it should prepare a new Programmatic
21 Environmental Impact Statement on plutonium storage
22 and disposition that includes analysis of all
23 credible alternatives and -- and could better
24 achieve the nuclear nonproliferation goals of our
25 country.

1 Thank you.

2 **MR. GOODMAN:** Great. Thanks again, Mr.
3 Kovac.

4 Catherine, have we had anybody else that
5 has raised their hand or raised their hand a second
6 time?

7 **MS. HEGWOOD:** Yes. We do have a call-in
8 user 11.

9 I'm going to unmute you. Please announce
10 your name and spell your last name. There you are.
11 You are unmuted.

12 **MR. MCCOY:** This is David McCoy. Am I
13 online?

14 **MR. GOODMAN:** Yes, you are.

15 **MR. MCCOY:** Hello? Okay.

16 **MR. GOODMAN:** We can hear you. Yep.

17 **MR. MCCOY:** Thank you.

18 There's a need to halt this entire
19 project. It violates prior representations to the
20 State of New Mexico. You need a Programmatic
21 Environmental Impact Statement. This continues past
22 violations of human rights and environmental
23 justice. In New Mexico, we already had uranium
24 mining with improper cleanup, exposure of people.
25 We had detonation of an atomic bomb with poisoned

1 downwinders.

2 We have a continuing program to produce
3 more pits at Los Alamos National Laboratories, which
4 gives this entire project as being represented to
5 stop proliferation as being very hypocritical.
6 There are plans to bring all of the nation's nuclear
7 reactor waste to New Mexico. That's not considered
8 in any of this as part of the total picture of how
9 much radiation we are going to be exposed to in New
10 Mexico. You're leaving unsafe nuclear waste at
11 sites in New Mexico, such as at the Mixed Waste
12 Landfill and -- and LANL Area G. There's not a
13 single site in the DOE complex that hasn't
14 contaminated soil, air, and water and people.

15 There's an absence of a geological
16 repository for this material. There's been an
17 ongoing shell game about disposition plans that come
18 and go like the wind. WIPP was never approved with
19 a current disposition program in mind. WIPP has
20 been program -- problematic, even to what was
21 originally proposed, had a fire, explosion, release
22 of plutonium.

23 This is one of the most dangerous and
24 toxic substances on the planet. But you're not
25 talking about that. And that is in extremely minute

1 quantities and a substance that remains toxic and
2 dangerous for at least a quarter million years.

3 Now, human error is always a factor in the
4 handling of these materials, and we have not been
5 100 percent effective in not exposing people, both
6 at laboratories and elsewhere, to this material.
7 Plutonium is -- is forever once you release it into
8 the human environment. The more handling of the
9 plutonium, the greater are all the human health and
10 environmental possibilities for exposure. So I
11 think you're really missing a discussion of just how
12 toxic it is and the longevity and potential for
13 environmental release.

14 There's been numerous problems with
15 glovebox exposures at Los Alamos National
16 Laboratories. And I'd like to know how you're going
17 to dispose of all the RCRA materials that may be
18 involved in -- in any of this process. How are you
19 going to dispose of the gloveboxes, all the gloves,
20 all of the laboratory equipment that the workers are
21 wearing, et cetera, et cetera. That needs to all be
22 set forth.

23 So I think you're really setting up a
24 program that is going to be capable of releasing
25 quantities of plutonium into the environment, and I

1 don't see a proper solution to it.

2 And I, for one, distrust the NNSA. You're
3 a secretive organization. You don't clean up
4 adequately after yourself. That's been brought home
5 clearly to me at the Mixed Waste Landfill at Sandia
6 National Laboratories and the 63-acre facility at
7 Area G at Los Alamos National Laboratories and the
8 subsurface disposal area at the Idaho National
9 Laboratories where you could have enough water come
10 in there that the EPA was worried that the plutonium
11 would go critical from flooding.

12 So I don't think you've got your -- your
13 plans very well figured out yet. You need to do a
14 lot more homework and protection of the public.

15 Thank you.

16 **MR. GOODMAN:** Thanks, Mr. McCoy. And
17 thanks for coming back and providing your comment
18 tonight. I believe you did yesterday as well. So
19 thank you for that.

20 Catherine, do we have any other
21 commenters?

22 **MS. HEGWOOD:** We sure do. We have another
23 -- call user 18 has raised his hand again.

24 You are unmuted.

25 **MR. REVELL:** Yes. Again, this is Tim

1 Revell in Amarillo. Basically, I think that the --
2 I agree with the last gentleman's distrust and poor
3 planning by your agency. When we fought this in the
4 early '80s, one of the transportation deficits that
5 they tried to pawn off on us was to have a container
6 drop three feet on a two-inch peg and to see if it
7 would puncture the peg. It did not include any
8 speed of the vehicle or anything like that, and they
9 called that a good study.

10 The other thing is, is that we do have a
11 lot of wind here. If, in fact, on an average day,
12 if there were a spill, they estimated that they
13 would have to pick up three feet of dirt for a six-
14 mile stretch and being one mile wide. That's things
15 like a large contaminated area.

16 The other thing is, is that these
17 conditions are probably more than 200 days a year.
18 And so it puts every place between here and your
19 origin in severe chances of being contaminated.

20 So I think that I agree with the gentleman
21 just prior to me. You need to do more studies, and
22 they need to be segregated into several different
23 areas and then published so that we can be sure that
24 your agency has been doing its due diligence.

25 And that's all I have. Thank you very

1 much for allowing us to talk.

2 **MR. GOODMAN:** Of course. And thank you,
3 Mr. Revell.

4 **MS. HEGWOOD:** Great. Thank you.

5 And at this time, that is the last raised
6 hand.

7 **MR. GOODMAN:** Okay. So once again, if
8 there is anybody that has recently joined the
9 meeting and you would like to raise your hand and
10 provide a comment, or if you've provided a comment
11 already or even a second comment, you're welcome to
12 raise your -- your hand again.

13 In order to do that, on the right side of
14 the screen, there is a hand button that will flag
15 that and put you in the queue. And if you're on the
16 phone, you can press Star 3 to get in the queue.

17 I don't think we have anybody else right
18 now. So I guess we will go on pause for a second.

19 But if anybody does come on, Catherine,
20 please let us know, and we will -- we'll be back.

21 **MS. HEGWOOD:** All right. Sure thing.
22 Thank you.

23 **MR. GOODMAN:** And again, for -- for those
24 that did provide their -- their input at tonight's
25 meeting and have been here since the beginning, we -

1 - we really appreciate your -- your time and your
2 interest and your attention and -- and your comments
3 as well. So thank you again.

4 **(WHEREUPON, the line remained open without**
5 **public comment from audio time 1:23:09 to 2:12:38.)**

6 **MR. GOODMAN:** Hi, Catherine. It sounds
7 like we may have a commenter on the phone or on the
8 webinar.

9 **MS. HEGWOOD:** Hi. Yes, sure.

10 State Senator Tom Young, if you are
11 calling in -- if you are calling in using the phone
12 only, can you please press Star 3? And that will
13 put you in the queue, and I will be able to unmute
14 you.

15 Perfect. Thank you. You are unmuted.
16 Thank you.

17 **SENATOR YOUNG:** Hey, good evening. Thank
18 you very much.

19 **MR. GOODMAN:** Yeah. Thank you for calling
20 in.

21 **SENATOR YOUNG:** I would like to offer
22 these comments on behalf of the Aiken County
23 Legislative Delegation. My name is Tom Young, and I
24 represent Senate District 24, which is all within
25 Aiken County. And these comments are on behalf,

1 again, of all -- of our entire Legislative
2 Delegation, which is composed of myself; Senator
3 Shane Massey from the Senate District 25; Senator
4 Nikki Setzler from Senate District 26; Bart
5 Blackwell from House District 81; William Clyburn
6 from House District 82; Bill Hixon from House
7 District 83; Melissa Lackey Oremus, House District
8 84; and Bill Taylor from House District 86.

9 We ask that you please accept these
10 comments on the Environmental Impact Statement
11 scoping for the Surplus Plutonium Disposition
12 Program preferred method of dilute and dispose for
13 11 and a half metric tons of surplus plutonium
14 currently stored at the Savannah River Site.

15 For 70 years, the Savannah River Site has
16 been the most significant economic driver to the
17 growth of our region, and its national security
18 missions continue today in maintaining our nation's
19 nuclear deterrent.

20 We support the current and future missions
21 at Savannah River Site, and we appreciate NNSA's
22 commitment to an exit strategy for the surplus
23 plutonium that is now securely stored at Savannah
24 River -- Savannah River Site. This is a move to
25 fulfill the agreements in the 2020 settlement

1 between the South Carolina Attorney General Alan
2 Wilson and the people of South -- or South Carolina.

3 Additionally, we are informed that there
4 are no anticipated negative environmental impacts
5 with this dilute and dispose method, which will
6 safely ensure that the plutonium cannot be used in
7 weapons. Further, and importantly, Savannah River
8 Site has the skilled workforce -- that is, the
9 employees with the experience and safety record --
10 to complete the proposed downblending mission to
11 accelerate the timeline for dispositioning this
12 surplus plutonium and its removal from our state.

13 In view of all of the above, we urge the
14 NNSA to move forward on this important mission. We
15 thank you again for considering these comments, and
16 we hope that you will move this program forward and
17 give this mission to the Savannah River Site.

18 Thank you.

19 **MR. GOODMAN:** Great. Thank you so much,
20 State Senator Young. We appreciate your time and
21 your -- your comments tonight.

22 **SENATOR YOUNG:** Thank you very much. You
23 all have a good evening.

24 **MR. GOODMAN:** Thank you. All right. You,
25 too.

1 Catherine, is there anybody else on the
2 phone or on the webinar that is potentially in the
3 queue?

4 **MS. HEGWOOD:** I do not show any raised
5 hands at this time.

6 **MR. GOODMAN:** All right. I guess we will
7 go back into music mode then. Thank you.

8 **MS. HEGWOOD:** Thank you.

9 **(WHEREUPON, the line remained open without**
10 **public comment from audio time 2:16:31 to 2:57:19.)**

11 **MS. HEGWOOD:** All right. And we do have a
12 raised hand, Dave --

13 **MR. GOODMAN:** Okay. Perfect.

14 **MS. HEGWOOD:** -- raised hand. All right.
15 We have a raised hand from Dan Solitz.

16 Dan, you are unmuted.

17 **MR. SOLITZ:** Hello. Thank you for holding
18 this, and sorry you had to spend your evening just
19 listening to music.

20 This is Dan Solitz. I'm on the Oregon
21 Hanford Cleanup Board and the Hanford Advisory
22 Board, though I'm speaking strictly for myself. And
23 I don't know if -- it's probably not really germane
24 to the EIS that you're considering today, but
25 there's a -- there's a -- as you're well aware of,

1 I'm sure, the situation, well, there really isn't a
2 rational system within the country to dispose of
3 hazardous and -- and nuclear waste. And your --
4 your -- your quandary was mentioned in the DOE
5 December report -- 2020 report to Congress.

6 And it just seems to be like -- and I'm --
7 I guess I'm speaking more to you as DOE folks and
8 some -- than folks that are -- that are managing
9 this EIS. And it -- hopefully, you will bring this
10 back. And -- and you're probably already talking
11 amongst yourselves about some way to -- to approach
12 Congress, to approach this problem in a more larger,
13 rational manner, somewhat similar to what happened
14 before Yucca Mountain was sited and in -- in kind of
15 the context of the Blue Ribbon Commission on
16 America's Nuclear Future.

17 So I'm just hoping that some of this will
18 filter back into your department and back into --
19 into -- to sort of get everybody together on the
20 same page as far as going to Congress and -- and
21 getting some action done there that'll make it
22 easier to -- to -- to take care of all of this --
23 this -- this nuclear waste. I'm certainly not
24 taking a position that disposing of the TRU waste
25 from Hanford is more important than getting that --

1 that weapons-grade plutonium out of circulation.

2 So anyway, well, good luck, and -- and
3 thank you for taking the time to listen to me.

4 **MR. GOODMAN:** Of course. And thank you
5 for joining us tonight and appreciate your comment.

6 Anybody else for now, Catherine?

7 **MS. HEGWOOD:** I do not see any other
8 raised hands at this time.

9 **MR. GOODMAN:** Okay. Thank you.

10 **(WHEREUPON, the line remained open without**
11 **public comment from audio time 2:59:38 to 4:00:29.)**

12 **MR. GOODMAN:** All right. Well, it looks
13 like we've only got a minute left until 11:00
14 o'clock Eastern. So I would like to take this
15 chance to thank all of the panelists and staff that
16 helped put these meetings together and thank
17 Catherine, in particular, for walking us through the
18 process and helping us through all of our questions
19 -- really appreciate that.

20 And apologies to Alvaro, our translator,
21 that he never had a comment to translate, but
22 appreciate him sticking in as well.

23 **THE INTERPRETER:** Thank you.

24 **MR. GOODMAN:** Oh, you are still there.
25 Great. Well, maybe next time, but thank you.

1 **THE INTERPRETER:** All right. Thank you.

2 **MR. GOODMAN:** Okay. I guess, with that,
3 Catherine, I will kick it over to you, and you can
4 close us out.

5 **MS. HEGWOOD:** All right. Thank you,
6 everyone.

7 And this concludes today's event. You may
8 now disconnect your lines and have a great rest of
9 your day.

10 **(WHEREUPON, the meeting was concluded.)**

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

1 CERTIFICATE

2
3 I, Karynn S. Willman, do hereby certify that
4 the proceeding named herein was professionally transcribed
5 on the date set forth in the certificate herein; that I
6 transcribed all testimony adduced and other oral
7 proceedings had in the foregoing matter; and that the
8 foregoing transcript pages constitute a full, true, and
9 correct record of such testimony adduced and oral
10 proceeding had and of the whole thereof.

11
12 IN WITNESS HEREOF, I have hereunto set my
13 hand this 4th day of February, 2021.

14
15
16 

17
18
19 _____
20 Karynn S. Willman
21
22
23
24
25

<p><u>1</u></p> <p>1 24:25 24:25 25:4 25:9</p> <p>1,000 38:6</p> <p>1:23:09 60:5</p> <p>100 56:5</p> <p>11 20:9 54:8 61:13</p> <p>11:00 7:6 65:13</p> <p>12 22:18</p> <p>13 24:14</p> <p>13.1 15:23</p> <p>14 24:25</p> <p>15 25:14 48:21</p> <p>16 13:8 26:1</p> <p>18 47:21 57:23</p> <p>19 52:7</p> <p>1996 14:15 45:3 45:8</p> <p>1997 14:19</p> <p>1999 15:2</p> <p>1st 9:1 13:10 28:15 28:17 50:19</p> <hr/> <p><u>2</u></p> <p>2 25:15 25:15 48:11</p> <p>2,000 22:16</p> <p>2,000-foot 39:23</p> <p>2:12:38 60:5</p>	<p>2:16:31 63:10</p> <p>2:57:19 63:10</p> <p>2:59:38 65:11</p> <p>20 42:24 49:9</p> <p>200 58:17</p> <p>2002 52:7</p> <p>2015 15:14 16:13</p> <p>2016 16:3</p> <p>2018 18:12</p> <p>2020 13:8 16:11 20:1 26:17 61:25 64:5</p> <p>2021 2:6 13:11 13:17 28:15</p> <p>2022 13:24 13:25</p> <p>24 60:24</p> <p>25 14:12 61:3</p> <p>26 2:6 48:23 61:4</p> <p>29802 28:6</p> <hr/> <p><u>3</u></p> <p>3 4:14 9:22 26:1 26:2 30:11 30:12 31:3 59:16 60:12</p> <p>30 42:18</p> <p>300 42:23</p> <p>3013 21:4 21:16 24:19</p> <p>328 28:6</p>	<p>34 12:5 12:9 12:16 15:25 17:17 17:19 18:5 18:25 19:24 20:7 22:20 32:13 39:7 40:8</p> <p>34-metric-ton 16:18</p> <hr/> <p><u>4</u></p> <p>4 21:21</p> <p>4:00:29 65:11</p> <p>43 3:6</p> <p>45 13:7 42:18</p> <p>45-day 13:22</p> <hr/> <p><u>5</u></p> <p>5:00 2:10</p> <p>50 48:16 48:18 48:21</p> <hr/> <p><u>6</u></p> <p>6 15:21</p> <p>63-acre 57:6</p> <hr/> <p><u>7</u></p> <p>7 45:12 45:13</p> <p>7.1 15:21 16:14 16:17 20:1 20:6 26:15 40:6</p> <p>7:00 2:9</p> <p>70 42:13</p>	<p>61:15</p> <p>730-2B 28:5</p> <hr/> <p><u>8</u></p> <p>8 45:13 45:14</p> <p>803-952- 7434 28:2 50:16</p> <p>80s 58:4</p> <p>81 61:5</p> <p>82 61:6</p> <p>83 61:7</p> <p>84 61:8</p> <p>86 61:8</p> <hr/> <p><u>9</u></p> <p>9:00 7:6</p> <hr/> <p><u>A</u></p> <p>ability 32:17 37:6</p> <p>able 3:8 30:8 46:25 50:5 50:7 60:13</p> <p>absence 55:15</p> <p>absolutely 48:25</p> <p>Academy 34:15 40:14</p> <p>accelerate 42:3 62:11</p> <p>accept 61:9</p> <p>acceptable 39:15</p> <p>acceptance 22:12 24:23 39:12</p>
--	--	---	--

access 8:10	address 8:19 8:20 20:14 50:17	32:22 33:8 41:10 41:11 42:13 42:14 60:22 60:25	15:18 15:18 16:5 18:3 18:11 18:24 21:5 23:15 23:17 23:18 24:14 24:15 26:12 26:13 27:2 33:9 40:13 40:17 52:11
accidents 27:9 49:1	adequately 57:4	air 27:6 55:14	
accommodate 53:12	Administratio n 2:23 11:3 11:15 36:21	Alamos 19:19 22:24 24:5 24:16 24:19 25:3 25:13 25:15 25:21 26:3 26:10 35:2 35:4 35:6 35:7 52:23 53:2 55:3 56:15 57:7	
account 44:20	Administratio n's 32:1 41:13	Alan 62:1	alternatives 5:14 6:5 6:7 7:1 13:2 14:17 15:5 15:6 15:7 23:21 24:1 27:3 27:17 35:17 44:4 44:11 44:14 44:15 45:8 53:23
achieve 53:24	adulterant 16:7 19:10 21:11 21:19 21:20	Allen 34:1 35:24 36:3 36:5 36:8 37:12 37:18	
across 41:17 52:18	advertised 51:3	allow 6:15	
Act 5:11 12:21	Advisory 63:21	allowing 25:20 59:1	am 11:5 36:9 36:19 37:23 39:2 43:8 49:21 54:12
action 6:3 6:4 6:25 12:7 12:10 12:23 17:16 26:12 26:13 64:21	advocates 43:24	already 7:22 20:21 24:18 28:9 31:8 32:24 35:18 54:23 59:11 64:10	Amarillo 22:22 48:7 48:22 58:1
actions 5:14 13:2 14:6 16:23	affect 12:24	alternate 21:17 24:19	ambiguous 52:5
active 42:15	agencies 42:18	alternative	Amended 16:16 26:17
activities 22:3 22:19	agency 11:16 26:25 58:3 58:24		
add 42:1	ago 14:12 46:5 49:3		
added 21:18 30:12	agreements 61:25		
addition 5:22 14:9 15:25 16:11 52:19	ahead 2:13 50:25		
additional 6:15 9:3 20:1 23:8 42:1 42:2	Aiken 28:6 31:24 32:10		
Additionally 8:18 19:25 62:3			

America's 64:16	62:4	19:15	associated 20:25
amongst 64:11	anybody 50:21	19:21 20:3	atomic 54:25
amount 21:18 29:2 29:21 53:6 53:7	50:23 51:6 51:8 51:18 54:4 59:8 59:17 59:19 63:1 65:6	20:12 23:17 24:3 24:7 24:11 26:6 26:16 32:1 39:6 39:21 40:16 40:17 64:11 64:12	atoms 39:8 39:10 attempt 3:19 attend 51:13 attendance 17:12 37:14
analyses 6:1 6:24	anything 30:25 46:18 52:19 58:8	approaches 23:23	attende 35:24
analysis 6:10 16:12 16:13 18:15 23:21 53:22	anyway 65:2	appropriate 27:16	attendees 2:11 3:25
analyzation 44:23	apologies 34:3 36:1 65:20	approved 22:10 22:23 55:18	attention 28:19 60:2
analyze 27:1 44:2 53:10	apologize 37:18	area 9:15 23:4 32:24 35:13 41:25 48:9 48:15 55:12 57:7 57:8 58:15	Attorney 62:1 audio 60:5 63:10 65:11
analyzed 23:15 44:15 52:13 52:20 52:23 53:2 53:8	apparently 48:11	aren't 3:13	August 19:25 26:17
and/or 8:19 26:3 52:3	appears 44:6	AROD 16:16	available 10:2 47:7
announce 54:9	appreciate 3:14 17:12 26:20 26:21 29:17 31:2 31:22 33:12 49:18 51:11 60:1 61:21 62:20 65:5 65:19 65:22	areas 32:20 58:23	average 58:11 awaiting 40:9 aware 63:25
announcements 8:22 11:13	appreciated 51:15	article 49:5	<hr/> B <hr/>
anonymous 49:19	appreciative 3:8	aspect 5:18 36:16	backend 25:12
answer 10:5	approach 16:2 16:6 19:2	aspects 27:16 46:22	background 5:7 6:20 14:3
anticipate 29:19		assessment 15:12	bag-can 21:6
anticipated		assigned 15:25	bagged 22:7
			ballooning 46:8
			Barbara 45:23

45:24	blend 21:11	button 4:8	Catherine 4:1
Bart 61:4	21:18 21:21	30:3 30:5	9:2 9:25
based 16:12	blended 19:10	30:7 59:14	10:13
18:21	21:20	<hr/>	31:10
Basically	blew 48:14	C	31:11
58:1	blue 9:11	call-in 47:20	33:22
bear 3:18	64:15	54:7	35:23
beep 4:16	board 42:25	cancel 52:8	37:15 54:4
30:24	53:4 63:21	canceled 46:7	57:20
begin 13:15	63:22	cans 21:18	59:19 60:6
17:13 29:5	bomb 54:25	capabilities	63:1 65:6
31:4	borehole	19:16 24:4	65:17 66:3
beginning	14:16	32:20	cattle 48:23
59:25	bottom 4:8	capability	caused 35:19
begins 29:14	4:25 30:3	23:1 23:4	CCOs 22:9
behalf	30:6	25:1 25:10	22:9 22:11
60:22 60:25	bottom-	25:18	24:22
beleaguered	right 4:6	capable 56:24	central 17:22
35:18	9:8 9:16	capacity 23:9	CEO 37:24
believe 23:22	Box 28:5	capital 23:7	ceramic 52:3
35:11	bread 48:17	capitalize	certainly
40:13	brief 5:22	32:7	17:11
46:21 57:18	11:1	care 38:12	29:19 38:2
benefits 44:5	briefly 14:3	43:9 64:22	47:5 51:4
benefitting	bring 35:17	Caring 42:25	64:23
42:19	55:6 64:9	Carlsbad 39:3	cetera
best 3:23 7:9	brings 35:2	39:5	56:21 56:21
40:17	broader 45:5	Carolina	chain 48:25
better 5:15	brought 57:4	16:20 20:5	Chairman
13:2 53:23	bubble 9:9	23:3 28:6	31:14
Bill 61:6	Building 28:5	32:6 36:23	31:16 31:24
61:8	Bunker	37:4 41:22	Chamber 37:24
bit 12:20	31:15	42:4 62:1	38:14
52:25	31:16	62:2	chance 65:15
Blackwell	31:17	categorically	chances 58:19
61:5	31:21 33:15	39:16	changed
		category 4:22	14:1 15:11

characterizat	28:15	35:20	37:25
ion 25:2	clothing 39:9	37:14	commercial
25:11	Clyburn 61:5	37:19	14:24 18:8
characterized	Coast 2:9	43:20	Commission
22:11	co-chairman	44:12	64:15
24:22 25:24	39:2	45:21 50:6	commitment
charged 12:5	color 35:14	50:22 51:7	37:4 61:22
chat 4:25 5:4	Columbia	51:8 51:10	commitments
31:9	37:24 38:6	57:17	42:7
cheaper 52:4	combination	59:10	committee
check 29:9	24:8	59:11 60:5	43:1
30:16 51:5	comes 17:22	63:10 65:5	commonly 21:4
51:17	34:6 35:7	65:11 65:21	22:9 22:13
checking 49:7	coming 2:14	commenter	communities
children	35:9 46:3	31:12 60:7	38:5 43:4
42:20	46:11 57:17	commenters	community
choose 28:13	comment	57:21	33:5 35:5
chose 50:5	3:24 4:3 4:5	comments	35:5 38:15
circulation	4:11 4:18	5:3 7:11	39:20 42:9
65:1	4:23 5:2 7:4	7:25 11:10	42:16 43:2
City 39:5	7:10 7:16	27:15	43:9
clean 57:3	7:19 7:19	27:23	compare
cleanup	7:22 7:23	27:24 28:7	44:3 45:12
42:7 52:22	7:24 8:18	28:12	compares
52:24 53:1	8:20 9:5	28:16	39:22
54:24 63:21	10:3 13:22	28:16	competence
clear 3:23	27:21 28:3	29:10	32:20
43:23	28:9 28:14	29:12	complete
clearly 40:17	28:21 29:6	30:17 31:5	18:15 43:7
57:5	29:21	32:15	62:10
click 4:6	29:24	36:11 37:9	completed
9:10 9:17	29:25 30:2	50:12	14:13 15:2
clockwise	30:9 30:13	50:13	15:14 22:5
20:17 21:16	30:20 31:1	50:18 60:2	completes
close 66:4	31:14	60:22	26:19
closes 8:25	33:12	60:25	complex
	33:20	61:10	19:5 19:17
	33:25 34:12	62:15 62:21	
		Commerce	

22:19 23:1 32:24 41:25 55:13	configuration 21:5	considering 27:5 62:15 63:24	continues 42:5 54:21
complexity 38:3	configuration s 21:6 21:7	consist 26:13	continuing 21:16 37:9 55:2
compliance 22:12 24:23 44:25	confirmation 40:3	consistent 12:18 18:18	contract 2:22
compliant 21:8	confirmed 40:15	consolidate 14:24 14:25	contractors 42:15
complicated 16:21 45:16	Congress 64:5 64:12 64:20	consolidated 16:20 20:5	contributors 42:17
composed 61:2	Congressman 33:25 35:24 36:3 36:5 36:8 37:12 37:17	construction 52:11	Controlled 22:8
comprehensive 17:14	conjunction 32:3	contact 11:9 11:11	conversion 15:8 19:8
comprised 17:21	connected 34:3	contact- handled 16:9 39:16	convert 20:25
concentration 39:11 39:14 39:15	consider 5:13 6:13 13:1 23:25 26:11 27:18 44:5 44:11 49:12 49:12 49:13	container 21:22 58:5	converted 20:22
concentration s 39:13	consideration 17:20 19:18 27:14 37:8 46:10	containers 21:4 21:10 21:17 22:6 22:8 24:20	convicted 39:20
concern 7:2	considered 7:13 8:2 17:25 19:23 28:17 35:12 44:9 52:21 55:7	containing 21:19	copies 10:4
concerning 34:21 34:21		contaminants 49:7	core 17:22
concerns 53:4		contaminated 35:6 55:14 58:15 58:19	corner 20:16
conclude 29:16		context 6:19 64:15	cost 12:18 18:18 39:21 40:20 46:18 46:20
concluded 66:10		continue 13:10 32:6 61:18	cost- effective 23:23
concludes 27:20 66:7		continued 26:13	Council 31:24 32:10 32:16 32:22 33:8
conditions 58:17			counties
confidence 38:10 43:6			

48:24	18:19	13:25 64:5	6:24
country 52:19	44:18	decided	designated
53:25 64:2	44:19	16:1 18:5	20:8
country's	53:12	20:1	detailed 14:6
32:7	53:18	decision	16:22 20:14
County	55:19 61:20	13:24	determine
31:24	currently	14:19	18:16
32:10	3:24 8:6	26:18 40:4	determined
32:22 33:8	16:6 19:4	40:9 52:8	34:16
37:24 38:6	19:22	decision-	deterrent
39:5 41:10	21:14	making	32:7 61:19
41:11	22:25 23:7	5:15 13:3	detonation
42:13	23:18	decisions	54:25
42:14	52:15 61:14	14:20	developed
60:22 60:25	<hr/>	declared 12:6	6:14
course	D	deep 14:16	developing
46:23 53:8	dairies 48:21	defense	5:8 6:9
59:2 65:4	dairy 48:20	12:6 17:19	development
court 7:12	Dan 63:15	42:6 53:3	7:13 18:22
28:1	63:16 63:20	deficits 58:4	diagram 20:12
create 46:8	dangerous	Delegation	20:17 23:6
credible	55:23 56:2	60:23 61:2	dialed 9:22
53:23	dates 13:14	demonstrated	different
crisis 42:21	14:1	37:3	39:10
criteria	Dave 2:19 9:6	department	42:24 45:7
22:13	9:24 10:22	11:17	46:22 58:22
24:23 39:12	28:21	23:19 64:18	difficulty
critical	28:23	depicting	46:16
36:15	31:13 63:12	20:10	diligence
42:19 44:4	David 54:12	deployment	38:13 58:24
57:11	day 39:25	18:23	dilute
criticality	42:24	describe 6:20	15:19 16:5
22:8 46:24	58:11 66:9	described	16:14
cue 9:14	days 13:8	23:6 26:17	16:17 19:2
cultural 27:6	58:17	description	19:7 19:15
culture 41:23	decades 18:2	5:22 6:2 6:5	19:21 20:3
current 13:22	December 13:8	6:21 6:23	20:11
	13:17		

20:15	disassembly	32:2 32:13	24:12
22:19 23:5	15:8 19:8	36:18	24:24
23:16 24:3	20:24 22:2	37:10 39:6	26:15
24:7 24:10	24:17	39:24	27:25
25:6 26:5	disastrous	40:10	32:12
26:16 32:1	48:25	40:15	36:13 38:2
32:12 39:6	disconnect	41:19 44:8	41:15
39:13	66:8	46:10 47:5	43:22 45:3
39:14 40:9	discuss	53:15	51:12 52:1
40:15	14:3 14:4	56:17	53:22
41:18 44:8	discussed	56:19	55:17
46:10 47:4	45:8 47:5	61:12 62:5	55:19 61:11
61:12 62:5	discussing	64:2	dispositionin
diluted 19:11	12:10 39:18	disposed	g 12:5 12:12
22:6 23:13	discussion	19:13 22:1	14:18 62:11
24:12	44:23 56:11	39:7 40:3	District
24:22 25:7	display 30:19	46:14	60:24 61:3
25:23 26:7	disposal	disposing	61:4 61:5
39:10 40:2	14:21	14:11 64:24	61:6 61:7
40:7	22:10	disposition	61:7 61:8
diluting 16:6	23:12	2:3 2:18 3:5	distrust 57:2
46:13	32:19 40:4	5:9 5:25	58:2
dilution	40:7 40:11	6:23 10:17	document
21:12 23:9	40:21	10:25 12:9	3:1 6:16
25:1 25:10	43:25	12:16	8:15 8:16
40:10	51:25 52:2	14:13 15:3	10:16
directions	57:8	15:10	10:24 11:7
10:9	dispose 15:19	15:15	45:6 47:6
director	16:3 16:5	15:20	documented
3:3 17:6	16:14	15:24 16:1	14:20
dirt 58:13	16:17 19:2	16:14	documents
disabled	19:7 19:15	16:17	10:8 14:10
42:20	19:21 20:1	16:19 17:7	45:18 47:7
disassemble	20:3 20:12	17:9 17:15	47:11 47:13
25:5	20:15	17:17 18:4	DOE 14:12
disassembled	22:19	18:5 18:10	14:15 15:2
20:18	23:17 24:3	18:16	15:4 18:2
disassembling	24:7 24:11	18:25	18:5 19:5
23:1	26:6 26:16	19:22 20:4	19:17 20:1
		20:11 23:12	21:8 22:18

27:17	43:21	effects	27:21
27:18	driver 61:16	5:13 13:1	27:23
41:16	drop 51:17	27:2 27:9	27:25 40:8
44:11	58:6	27:10	40:16
44:13 52:7	dropped 34:2	efficacy	43:22 44:4
55:13 64:4	drums 22:9	40:15	44:7 44:9
64:7	dry 19:10	efficiency	44:24 45:2
dome 48:11	due 50:18	18:19	45:4 45:15
domes 48:13	58:24	effort 11:9	51:13
domestic 18:8	dump 35:14	13:14	51:24
done 6:18	48:6 48:9	efforts	52:19 53:5
16:18 49:7	48:14	3:15 16:19	53:19
64:21	during 3:11	20:4 36:20	63:24 64:9
downblend	5:17 6:11	41:13	eis@nnsa.
22:5	13:5 27:14	EIS 2:3 3:2	doe.gov 28:8
downblended	42:24	5:21 6:6 6:9	50:18
22:11		6:12 6:13	either
downblending	<hr/> <u>E</u> <hr/>	6:14 7:14	17:24
15:19 19:3	earlier 19:6	10:25 11:7	25:13
19:3 21:15	early 5:16	11:11 13:7	25:21
21:24 22:3	6:6 13:4	13:16	25:21
25:12	58:4	13:16	46:25
32:23	easier 64:22	13:18	49:13 50:8
41:24 43:6	East 2:9	13:21	50:13
62:10	Eastern 7:6	13:23 14:8	elapsed 7:8
downwind 35:4	65:14	15:4 15:4	elected
49:4 49:6	ecological	15:16	4:21 5:1
downwinders	27:6	15:17	33:18 33:19
55:1	economic 44:5	16:24	electricity
DR 47:24 48:1	61:16	17:14	18:9
48:4 49:11	economy 38:17	17:16	eliminated
49:20 49:23	Eddy 39:5	17:20	40:18
Draft 6:13	effective	18:16	eliminating
6:14 7:13	56:5	23:16	12:3 44:13
13:16	effectiveness	23:19	44:14
13:16	11:18	26:11 27:1	e-l-l 49:21
13:18		27:3 27:5	else 54:4
13:21 27:3		27:16	59:17 63:1
33:9 43:20		27:17 27:19	65:6

elsewhere 56:6	15:13 56:8 56:25	27:19 51:24	21:13 23:4 24:4 26:2 26:9 32:25 33:5
email 7:20 8:19 28:7 28:10 50:9 50:14 50:17	environmental 2:18 5:10 5:11 5:13 5:23 6:22 7:1 10:21 12:21 13:1 14:14 15:3 15:15 27:1 27:4 27:7 27:18 32:21 33:9 36:11 36:23 41:14 42:7 44:1 45:1 45:9 53:21 54:21 54:22 56:10 56:13 61:10 62:4	evaluated 14:16 15:5 15:17 23:20 evening 2:8 2:16 10:23 17:5 31:23 33:13 36:9 37:23 39:1 41:9 43:19 60:17 62:23 63:18 evening's 2:20 event 66:7 everybody 2:16 3:10 7:9 7:17 29:23 50:3 50:20 64:19 everyone 17:5 29:20 36:9 66:6 Excellent 31:21 except 3:25 excess 12:6 17:10 17:18 32:13 execute 26:5 executed 18:17 executing 23:7 24:10 existence 42:14 existing 16:8 19:16	exit 61:22 expand 23:9 expanded 52:13 expanding 52:12 expansion 33:1 52:15 expenses 46:8 experience 32:23 62:9 expertise 32:8 41:24 expires 29:16 explain 10:8 explained 52:14 explanation 5:24 6:4 11:2 explosion 55:21 exposed 55:9 exposing 56:5 exposure 21:23 54:24 56:10 exposures 56:15 extend 50:22 extensive 32:23 41:24
emphasis 22:2 emplacement 16:10 employee 11:5 employees 2:24 38:7 42:15 62:9 encourage 16:22 29:2 endorse 31:25 Energy 11:17 engaged 42:16 enhances 11:17 enjoyed 36:13 enormous 40:20 ensure 5:12 12:25 24:22 36:16 37:6 37:10 41:20 62:6 ensuring 12:14 entails 26:2 entire 54:18 55:4 61:1 environment 12:24	EPA 57:10 equally 8:3 28:12 equipment 20:25 39:9 56:20 error 56:3 estimated 53:6 53:8 58:12 estimates 13:13 14:1 et 56:21 56:21 evaluate 16:13		

extensively 23:20	13:10 28:15	45:4	45:6
extent 28:17	28:17 50:19	fissionable 48:12	frame 12:18 18:18
extremely 55:25	Federal 4:21 12:23	fits 12:10	23:24 44:18 44:19
<hr/> F <hr/>	13:9 13:20	fix 46:25	fuel 14:23 15:5 15:7
fabricate 14:22	26:25 31:5	flag 59:14	15:17 18:7 18:10
fabricating 18:6	31:7	Flats 40:2	18:12 20:8 46:13
fabrication 15:6 15:7 18:13 20:8	feet 22:16 58:6 58:13	flooding 57:11	fulfill 42:10 61:25
facilities 16:8 22:4 24:8 24:9 26:3 26:4 46:22 46:24 53:3	fellow 29:18	focus 39:4	full 25:5 26:4 27:1 43:6
facility 15:8 15:8 15:9 18:13 49:4 57:6	figured 57:13	folks 2:9 2:12 8:4 29:7 64:7 64:8	fully 38:9 52:14
fact 8:15 10:5 46:6 58:11	filter 64:18	food 48:25	function 5:4
factor 56:3	final 2:1 13:23 23:11 24:24	Force 39:3 39:18 40:21	fundamentally 45:7
fair 35:14 35:15	finalized 6:8	forever 56:7	furnace 20:20
fairly 30:19	finally 6:2 26:11 27:13	form 17:23 17:24 19:9 20:20 20:22 22:21 24:18	furnaces 20:23 20:24
farming 35:5 48:16	finding 36:17	formal 36:10	future 61:20 64:16
feasible 3:13	finished 13:17	former 18:12	<hr/> G <hr/>
feature 29:9 31:9	fire 49:3 55:21	forth 52:18 56:22	Galan 3:1 10:15 10:22 10:23 26:24 28:3
February 8:25	first 3:10 8:12 11:1 14:11 20:18 20:19 31:4 31:11 31:14 34:12	forum 8:1 8:2 8:18 50:6	game 55:17
	fiscal 12:19 18:19 44:18 44:19 45:4	forward 37:9 62:14 62:16	GAO 46:5 46:9 46:15 47:6
	Fissile 14:14	foster 5:14 13:2	Gary 31:14
		fought 58:3	
		foundation	

31:16	goal 13:16	36:10 38:14	31:1 31:8
general 34:10	goals 53:24	great 10:22	31:9 50:25
62:1	Goodman 2:8	28:24	51:19
gentleman	2:16 2:19	33:14	51:19
58:20	9:25 10:12	34:11 36:8	51:21 54:5
gentleman's	28:21	37:7 38:4	54:5 57:23
58:2	28:24	38:12	59:6 59:9
gentlemen 9:7	31:19	38:12	59:12
genuine 52:6	33:14 34:5	38:23 41:1	59:14
geologic	34:9 35:21	45:22	63:12
14:21 52:11	36:7 37:12	47:15	63:14 63:15
geological	38:21	49:22	handle
55:15	40:24 41:6	49:24	38:12 53:18
geology 27:7	43:13	51:23 54:2	handling 35:8
Georgia	45:20 46:2	59:4 62:19	56:4 56:8
37:5 37:25	47:10	65:25 66:8	hands 50:1
germane 63:23	47:25 48:2	greater 48:16	63:5 65:8
getting	49:9 49:15	48:21 56:9	Hanford 63:21
3:21 64:21	49:22	Greenwald	63:21 64:25
64:25	49:24 50:2	34:14 35:22	happened 49:1
given 31:1	51:23 54:2	ground 8:17	49:2 64:13
47:12	54:14	grow 48:16	happy 50:23
gives 55:4	54:16	growth 61:17	haven't
giving 6:19	57:16 59:2	guess 46:17	31:8 46:18
8:14 43:11	59:7 59:23	50:15	46:25
glad 3:8	60:6 60:19	51:17	having 5:6
glass 52:3	62:19	59:18 63:6	46:15
glovebox	62:24 63:6	64:7 66:2	hazardous
21:12	63:13 65:4	<hr/>	21:2 64:3
21:14 23:5	65:9 65:12	H	health 27:8
33:1 56:15	65:24 66:2	<hr/>	27:9 56:9
gloveboxes	go-to 42:17	half 18:2	healthy 3:11
21:2 22:4	govern 34:19	61:13	hear 4:16
22:7 23:8	government	halt 54:18	30:22
42:1 56:19	5:5 31:7	hand 4:8	30:24
gloves 56:19	33:23	4:9 4:14	30:25
	governments	4:23 9:8	31:18
	13:20	9:17 29:8	31:19 36:6
	grateful	30:5 30:7	
		30:8 30:13	

41:6 41:7 45:25 48:3 54:16 heard 50:3 hearing 2:25 heated 20:20 Heaton 39:1 39:2 40:25 heavy 48:15 HEGWOOD 9:6 31:13 31:20 33:24 34:7 34:11 36:1 37:17 38:23 41:1 41:7 43:15 45:22 47:15 49:25 51:20 54:7 57:22 59:4 59:21 60:9 63:4 63:8 63:11 63:14 65:7 66:5 held 2:5 6:15 Hello 41:5 54:15 63:17 help 43:1 helped 65:16 helping 42:18 65:18 Hereford 48:6 he's 3:1 34:3 Hey 60:17	Hi 60:6 60:9 high-level 20:9 highlight 14:5 20:13 highly 32:24 41:25 high- temperature 20:20 20:23 hiring 42:2 history 5:25 6:23 14:4 14:6 14:9 16:22 37:1 48:5 hit 30:3 Hixon 61:6 holding 3:12 63:17 home 37:5 57:4 homework 57:14 honored 43:8 hope 3:10 32:3 47:7 62:16 hopefully 50:6 64:9 hoping 35:16 64:17 hours 7:6 House 61:5 61:6 61:6 61:7 61:8	huge 46:19 human 12:24 27:8 27:8 54:22 56:3 56:8 56:9 hypocritical 55:5 <hr/> I <hr/> I'd 11:1 45:17 56:16 Idaho 57:8 identified 27:3 34:8 identify 5:5 IIs 22:14 I'll 9:2 26:21 29:12 29:15 50:15 50:17 51:17 illegally 35:14 I'm 6:18 10:14 10:24 11:5 11:9 17:1 17:6 28:20 34:15 35:16 37:25 41:9 41:9 46:3 46:3 46:11 46:15 46:17 46:17 47:1 49:9 50:10 54:9 63:20	63:22 64:1 64:6 64:7 64:17 64:23 Image 21:21 imminent 39:21 immobilizatio n 14:16 15:5 15:9 15:20 44:16 52:3 52:9 immobilize 14:20 immobilizing 52:3 impact 2:19 5:10 10:21 14:15 15:3 15:16 33:10 36:12 36:24 41:14 44:1 45:1 45:9 52:13 52:22 53:21 54:21 61:10 impacts 15:13 44:2 44:3 53:1 53:10 62:4 implement 18:20 implemented 23:23 25:4 important 5:18 6:8 42:10
---	---	--	--

62:14 64:25	in-person	17:9	joined 2:11
importantly	3:13 3:22	involve 41:16	51:7 59:8
62:7	input 6:8	involved	joining 65:5
impossible	6:11 6:13	56:18	justice
40:20	6:16 13:19	involvement	27:7 54:23
improper	23:25	5:16 13:4	<hr/>
54:24	26:21	irradiation	K
	28:20 59:24	14:23 18:8	Kansas 48:19
improve 43:3	inside 21:22	isn't 64:1	Kay 3:2 10:16
include 13:18	install 23:8	Isolation	17:2 17:4
27:5 58:7	installed	19:14	17:6
included	25:19	19:20	key 13:14
6:6 11:12	instead 52:12	22:15 23:10	36:16
14:9	53:20	issue 13:23	kick 66:3
includes	intended 5:12	29:20 38:3	kit 23:9
40:11	20:14	46:4 50:7	Kits 21:11
40:11 53:22	intent 13:9	issued 16:3	known 19:2
including	14:7 16:24	16:16 40:5	Kovac 43:17
2:25 5:16	20:12	issues 5:6	43:19
13:4 32:25	interest 3:15	7:1	45:21
38:5 44:15	17:11	item 14:4	51:21
incorporated	51:12	<hr/>	51:24 54:3
6:12	51:14 60:2	J	<hr/>
increase 33:2	interested	Janet 34:12	L
33:3	4:4 7:10	34:13	laboratories
increasing	30:1	JANUARY 2:6	55:3 56:6
53:14	Interim 23:4	Jeff 2:25	56:16 57:6
industry	internet 8:10	10:15	57:7 57:9
35:19	8:12	10:23 17:4	laboratory
48:20 48:23	INTERPRETER	19:5 26:22	2:21 19:19
information	10:11	26:23 28:24	22:24 25:3
8:24 9:3	65:23 66:1	Jeffrey 28:3	56:20
10:20	introduce	jobs 38:15	Lackey 61:7
11:11 29:1	10:7	John 38:24	Ladies 9:7
informed 62:3	introduced	38:25 39:1	Lahodny 37:22
infrastructur	21:12	join 2:13 3:8	38:22
e 27:10 42:2	inventories	3:15	land 27:10
42:8			

<p>Landfill 55:12 57:5</p> <p>language 10:4 10:9</p> <p>LANL 25:4 52:23 55:12</p> <p>LANL's 52:25</p> <p>large 46:7 48:20 48:23 58:15</p> <p>larger 64:12</p> <p>largest 42:17</p> <p>last 7:23 18:2 29:12 49:17 54:10 58:2 59:5</p> <p>lasting 36:17</p> <p>lastly 23:10</p> <p>late 13:17 46:4 46:11 51:7</p> <p>later 7:20 8:24 34:6 44:10</p> <p>lathe 20:18 20:24</p> <p>laws 34:18 34:19</p> <p>layer 39:23</p> <p>layers 21:7</p> <p>least 56:2</p> <p>leave 28:1 30:8 51:1</p> <p>leaving 55:10</p> <p>legally 35:2</p>	<p>Legislative 60:23 61:1</p> <p>less 48:10</p> <p>let's 2:11 12:20 14:3 27:13 31:4 34:9</p> <p>light 39:25</p> <p>limits 53:12</p> <p>line 3:22 9:21 29:22 30:22 35:25 60:4 63:9 65:10</p> <p>lines 7:8 51:2 66:8</p> <p>link 8:12 8:13 8:21 14:8 16:25</p> <p>list 27:4</p> <p>listed 14:4</p> <p>listen 65:3</p> <p>listened 51:10</p> <p>listening 63:19</p> <p>little 5:7 9:9 9:10 9:17 12:20 46:4 46:15 52:25</p> <p>live 35:4 48:7</p> <p>lived 41:11</p> <p>lives 43:3</p> <p>loaded 22:13</p>	<p>local 4:21 13:20 31:6 31:7 38:17 49:21</p> <p>located 21:1 22:4 48:22</p> <p>locations 18:4</p> <p>logged 4:5 8:5 30:2 30:11 30:15 47:18</p> <p>logistics 6:18</p> <p>long 34:22</p> <p>longer 18:11 29:12 34:3</p> <p>longevity 56:12</p> <p>longstanding 36:25</p> <p>long-term 32:18</p> <p>Los 19:19 22:24 24:5 24:16 24:18 25:3 25:13 25:15 25:21 26:3 26:9 35:2 35:4 35:6 35:7 52:23 53:2 55:3 56:15 57:7</p> <p>lot 29:1 47:2 52:18</p>	<p>57:14 58:11</p> <p>Louisiana 48:19</p> <p>lower 30:12 31:1</p> <p>lowest 39:15</p> <p>luck 65:2</p> <hr/> <p>M</p> <hr/> <p>mail 7:20 28:2 28:3 28:10 50:9 50:13</p> <p>maintain 25:10</p> <p>maintaining 61:18</p> <p>maintains 11:17 22:25</p> <p>major 12:23 20:10 20:13 39:3 44:2 53:5</p> <p>majority 22:20 35:12</p> <p>management 3:4 10:18 11:4 11:6 11:24 11:25 17:8 27:12 28:4 37:2</p> <p>manager 3:1 3:2 3:4 10:16 10:16 10:24 11:7 11:8</p>
---	--	---	---

managing 64:8	39:2 40:21	message 28:2	13:23
manner	McCoy 54:12	met 53:4	migrates
12:14	54:12	metal 17:23	48:12
12:17	54:15	17:24 19:9	mile 48:10
23:24 64:13	54:17 57:16	20:19 21:1	58:14 58:14
Massey 61:3	M-cubed 11:25	22:9 23:2	miles 48:22
material	mean 43:21	25:6 25:19	53:7
3:3 10:18	45:13 52:7	method	million 56:2
11:4 11:6	means 3:1	28:13	mind 49:17
11:23	mechanism 8:1	30:21	55:19
11:25	meet 39:15	61:12 62:5	minimal 18:21
14:14 16:9	meeting 2:4	metric 12:5	Minimization
16:19	2:11 2:17	12:9 12:17	3:4 10:19
17:10	2:20 3:12	15:21	11:4 11:6
17:20 18:1	3:16 3:20	15:21	11:24 12:1
20:4 21:3	3:22 3:23	15:23 16:1	28:4
21:19 28:4	4:19 6:17	16:4 16:6	minimizes
39:24	7:5 7:16	16:15	18:22
41:20	7:23 8:6	16:17	minimizing
48:13	8:14 8:23	17:18	12:2
55:16 56:6	9:5 11:13	17:19 18:6	mining 54:24
materials	13:11	18:25	minority
17:7 36:18	17:13	19:22	35:11
42:8 45:4	27:22	19:24 20:2	minute 2:12
56:4 56:17	28:22 29:6	20:6 20:7	55:25 65:13
maximize	34:10 51:3	22:20	minutes 29:12
18:19	51:14 59:9	26:15	29:22
may 7:19	59:25 66:10	32:13 61:13	50:20 50:23
12:23	meetings 3:13	Mexico	missing 56:11
17:24 28:3	6:15 65:16	19:14	mission
28:6 29:21	meets 39:11	22:25	5:21 6:21
29:24	Melissa 61:7	23:11	12:11
30:22	member 11:5	34:21	16:18
30:23	members 29:18	35:17	18:14
53:15	42:25 43:1	54:20	38:12
56:17 60:7	mentioned	54:23 55:7	40:22
66:7	64:4	55:10 55:11	42:11 43:8
maybe 65:25		mid 13:24	
Mayor's		mid-November	

43:9 62:10 62:14 62:17 missions 32:18 33:5 37:6 42:6 61:18 61:20 mixed 14:23 18:7 20:8 55:11 57:5 Mixed-Oxide 15:7 mixture 19:10 21:11 21:20 21:24 mode 63:7 moderator 2:20 modified 16:8 19:16 24:4 26:2 months 46:5 mostly 3:17 Mountain 2:10 7:7 64:14 move 34:9 37:15 61:24 62:14 62:16 moving 5:8 20:16 25:14 MOX 14:23 15:5 15:17 16:2 18:7 18:10 18:11 18:12 46:6 46:8 46:20 52:5	multiple 21:7 24:9 music 63:7 63:19 mute 29:21 muted 3:25 myself 61:2 63:22 <hr/> N <hr/> nation 36:16 41:17 national 2:21 2:22 5:11 11:2 11:14 12:6 12:21 17:10 19:19 22:24 25:3 31:25 32:17 34:15 36:20 40:14 41:12 42:6 55:3 56:15 57:6 57:7 57:8 61:17 nation's 55:6 61:18 negative 62:4 neighbors 38:11 NEPA 3:1 5:11 5:12 5:19 5:23 6:21 8:11 10:15 10:24 11:7 12:21	12:22 12:25 13:6 13:14 14:6 14:8 15:13 16:23 16:25 23:21 29:4 44:21 44:25 45:13 45:14 47:13 nested 21:6 newly 33:5 newspaper 8:22 11:12 49:6 night 7:23 Nikki 61:4 NNSA 2:2 2:24 5:8 5:20 6:2 6:9 6:12 6:21 8:11 8:21 10:18 11:5 11:15 11:15 12:1 12:8 12:16 13:15 14:8 14:19 15:14 15:17 16:1 16:3 16:6 16:11 16:15 16:25 17:7 18:14 18:15 18:20 23:25 27:14 28:3 29:4 44:13	44:24 47:13 52:10 52:17 53:19 57:2 62:14 NNSA's 5:23 12:11 18:24 32:11 33:8 41:18 43:5 45:6 51:25 53:12 61:21 NOI 16:25 noise 27:11 none 37:2 49:8 non-pit 15:1 15:21 16:4 16:7 16:15 17:21 17:23 19:1 19:8 19:23 20:2 20:6 20:21 24:17 25:18 25:22 26:15 nonproliferat ion 53:24 non-weapon 40:6 north 48:7 Northwest 2:21 note 4:24 7:15 8:24
--	--	--	---

<p>noted 32:22</p> <p>nothing 49:6</p> <p>Notice 13:9 14:7 16:23</p> <p>noting 31:10 49:9</p> <p>nuclear 2:22 11:2 11:14 11:19 11:20 11:21 12:11 12:15 17:9 17:22 20:17 25:15 31:25 35:19 36:20 37:1 39:3 41:12 41:21 42:8 44:1 53:3 53:24 55:6 55:10 61:19 64:3 64:16 64:23</p> <p>numerous 56:14</p> <hr/> <p style="text-align: center;">O</p> <hr/> <p>obvious 3:21 30:19</p> <p>obviously 3:12 46:19</p> <p>occur 22:3 25:12</p> <p>o'clock 2:9 2:10 65:14</p>	<p>offer 41:12 60:21</p> <p>offered 44:7</p> <p>office 3:3 3:3 10:18 11:3 11:6 11:23 11:25 12:1 12:4 17:6 17:7 28:4</p> <p>official 5:1 5:5 31:7 33:19 33:23</p> <p>officials 4:21 5:13 12:25 31:6 33:18</p> <p>offsite 22:10</p> <p>Oh 45:25 46:3 48:2 65:24</p> <p>okay 31:4 34:9 34:11 36:8 41:8 45:20 46:3 50:2 54:15 59:7 63:13 65:9 66:2</p> <p>Oklahoma 48:19</p> <p>ongoing 3:11 55:17</p> <p>online 3:13 45:18 54:13</p> <p>open 4:7 7:4 7:8 9:8 9:11 30:4 44:12 44:22 51:2 60:4 63:9</p>	<p>65:10</p> <p>opened 13:8 21:17</p> <p>opening 40:1</p> <p>operating 42:12</p> <p>operations 32:4 33:1 52:14 52:16</p> <p>opportunity 5:15 7:10 13:3 29:23 29:24 31:22 33:12 36:10 38:19 43:12 43:20</p> <p>OPSEC 40:5</p> <p>option 24:25 24:25 25:4 25:9 25:11 25:14 25:15 25:17 26:1 26:2 41:18 41:21 44:9</p> <p>options 7:1 7:18 23:15 24:6 24:10 44:6 44:13 44:22 50:8 51:25</p> <p>oral 7:24 9:5 27:24</p> <p>orally 7:11 7:16</p> <p>order 5:14</p>	<p>13:2 20:3 29:20 34:16 59:13</p> <p>Oregon 63:20</p> <p>Oremus 61:7</p> <p>organization 57:3</p> <p>origin 58:19</p> <p>originally 20:7 55:21</p> <p>outdated 45:5</p> <p>outer 21:22 22:6</p> <p>outlined 33:9</p> <p>outstanding 32:9</p> <p>overall 25:20</p> <p>Overpack 22:8</p> <p>overview 5:21 20:10</p> <p>owes 42:14</p> <p>oxidation 22:3 25:18 25:20 46:14 47:4</p> <p>oxide 14:23 17:24 18:7 19:9 19:9 20:8 20:21 20:21 20:22 21:1 21:3 21:18 21:19 23:2 24:18 24:21 25:1 25:7 25:16 25:23 26:7</p>
---	--	--	---

oxide-bearing 21:10	26:14 48:22 49:13	35:14 42:21 47:18 54:24 55:14 56:5 62:2	47:19 50:9 50:13 50:15 50:16 50:21 51:2 59:16 60:7 60:11 63:2
oxidize 25:6 25:6	participants 3:7 4:6 4:7 9:10 9:12 29:10 30:3 30:4	per 48:10	phonetic 10:2
oxidized 18:6 24:18	participating 24:2	percent 48:11 48:16 48:18 56:5	physician 49:23
oxidizing 46:12	participation 5:17 13:4 51:15	Perfect 34:7 60:15 63:13	pick 58:13
<hr/> P <hr/>	particular 46:4 65:17	performed 22:20 25:21	picked 48:8
p.m 2:9 7:6 7:6	particularly 48:15	period 7:4 8:25 13:7 13:22 28:14	picture 20:19 21:13 55:8
P.O 28:5	partner 38:4 42:18	periodically 29:9 30:16 51:6	Pilot 19:14 19:20 22:15 23:10
Pacific 2:21	partners 42:16 43:3	permanent 17:8 24:11 36:18 43:24	pit 14:25 15:8 15:22 17:21 17:21 19:1 19:8 22:21 24:17 25:16 25:22 26:14 32:4 52:16
package 25:7	passed 32:10	permanently 15:10 39:24	pits 19:8 20:17 22:22 23:1 24:15 25:6 25:6 25:16 55:3
packaged 21:3 22:7 24:19 24:22 25:24	past 5:25 6:24 42:23 46:21 54:21	permits 29:22	placed 21:21 22:16
packages 22:13 22:23	path 15:24 17:17 18:10 23:12	person 9:10 48:10	plan 27:5 33:2 43:6
packaging 16:8 25:2 25:11	patience 2:14	phone 4:2 4:12 7:7 7:19 8:8 8:19 9:21 28:10 29:10 30:10 30:16 30:21 47:19	planet 55:24
page 64:20	pause 2:15 59:18		
pandemic 3:12	pawn 58:5		
panel 4:7 4:9 9:12 9:17 30:4 30:6	peg 58:6 58:7		
panelists 9:13 65:15	PEIS 14:15		
panhandle 48:24	people 4:1 8:7 9:21 30:24 34:20		
Pantex 14:25 19:20 22:22 24:5 24:16 26:3			

planned	15:19	34:17	12:21
13:6 26:9	15:21	36:12	poor 58:2
planning	15:22	36:22	portion
33:17	15:24 16:4	37:11 38:2	4:19 25:20
52:20 58:3	16:7 16:15	39:7 39:9	26:19
plans 55:6	17:14	39:10	27:22
55:17 57:13	17:18	39:13 40:2	28:21 29:6
Plant 19:14	17:21	40:5 40:6	34:10
19:20	17:22	40:8 40:19	position
19:20	17:24 18:4	40:21	64:24
22:15	18:6 18:7	41:15	possibilities
22:22 23:11	19:1 19:1	41:19	56:10
plays 32:17	19:1 19:3	41:22	possibility
36:15 38:16	19:3 19:9	41:24 42:4	39:19
please 3:18	19:9 19:23	43:21	possible 3:20
4:23 5:3	20:2 20:6	43:25	3:24 12:2
7:15 8:24	20:11	48:12	24:1 35:2
10:7 13:25	20:19	51:12	possibly 26:8
28:14	20:21	51:25 52:2	posted 10:3
28:15 30:8	20:25 21:9	52:8 52:13	potential 7:2
30:11 31:8	21:10	52:16	26:1 56:12
47:22	21:14	52:16	potentially
50:25 54:9	21:18	52:18	63:2
59:20	21:19 22:7	52:22 53:7	PowerPoint
60:12 61:9	22:11	53:11	8:13 10:4
plutonium 2:2	22:21 23:2	53:13	10:20 47:12
2:18 3:5 5:9	23:5 23:13	53:21	practical
5:25 6:23	24:12	55:22 56:7	28:18
10:17	24:17	56:9 56:25	prefer 49:19
10:25 12:3	24:21 25:1	57:10	preferred
12:6 12:9	25:6 25:7	61:11	18:24
12:13	25:7 25:16	61:13	23:15
12:17	25:19	61:23 62:6	23:17
14:12	25:23 26:6	62:12 65:1	24:14
14:18	26:8 26:14	point 6:6	24:15 27:2
14:21	26:16	22:2 50:4	32:1 33:8
14:22	27:24 32:2	51:11	40:13 41:18
14:25 15:1	32:4 32:5	pointed 19:5	
15:3 15:11	32:12	poisoned	
15:15	32:13	54:25	
	32:19 32:23	Policy 5:11	

52:10 61:12	pretty 29:2	13:12 14:2	program
prefilled	preventing	14:11	2:18 2:23
21:11	11:20	18:16	3:5 4:20 5:9
preliminary	previous 23:6	19:11	10:17
6:25 13:13	23:21	20:11	10:25
14:1	previously	20:13	17:12
preparation	15:25 18:5	20:15	17:15
17:13	19:4 23:16	21:24 22:5	19:18
36:11 41:14	47:6	24:1 25:15	27:25
prepare 36:23	primary	25:21	32:12 33:7
53:20	11:8 11:9	27:14 32:5	36:13 38:2
prepared	11:19	37:10	38:9 41:15
16:11	prior 54:19	40:11	43:22 45:7
preparing	58:21	41:20	46:6 46:20
13:15	probably	45:13	51:13 52:1
presentation	48:21	45:14	52:6 52:9
4:19 5:8	58:17	51:11	55:2 55:19
6:19 7:3	63:23 64:10	56:18 65:18	55:20
7:21 8:14	problem 46:20	processed	56:24
8:24 10:5	64:12	35:3	61:12 62:16
10:15	problematic	processes	programmatic
10:20	55:20	18:21 23:6	14:14
11:12 17:2	problems	25:5 25:12	44:24 45:4
26:20	35:18 56:14	26:5 26:9	45:9 53:9
27:20 36:14	proceed	processing	53:20 54:20
presented	6:17 6:19	21:13	programmatically 52:1
16:13 24:6	7:4 44:25	36:22 42:8	programs 33:6
presenters	proceedings	produce	42:19 52:24
3:25	2:15	18:9 55:2	progress 42:6
presents 20:9	proceeds	producer	project 3:2
president	6:9 14:2	4:1 4:24 9:3	3:15 5:7
37:24 41:10	process	31:10	6:20 7:3
press 4:9	5:12 5:17	produces	10:6 10:21
4:14 30:6	5:19 5:23	19:11	11:8 18:11
30:11	5:24 6:7	product 19:11	23:7 29:3
59:16 60:12	6:22 6:22	19:11	29:18 32:4
pressing 31:3	7:2 12:22	production	41:25 44:3
	12:22 13:5	26:6 33:3	46:19 49:3
		42:11	49:13

54:19 55:4	7:19 7:24	6:14 13:9	50:3 59:15
proliferation	8:18 8:20	13:17	59:16
11:21	9:3 10:9	13:21	60:13 63:3
12:12	11:1 13:3	13:24 14:7	quicker 52:4
39:21	26:4 27:22	16:24 49:8	<hr/>
40:18 52:6	28:10	58:23	R
55:5	29:23	pull 29:13	radiation
promise 36:22	29:25	puncture 58:7	55:9
52:4	30:20	purpose 6:3	radioactive
promised	33:20	6:25 12:8	53:16
34:24	42:21 43:2	12:22 12:25	radiological
promises	50:12	purposes	11:22 21:23
34:20	59:10 59:24	49:16	raise 4:14
proper 57:1	provided 14:7	push 9:22	4:23 9:7
proposal	16:23 28:9	puts 58:18	31:8 50:24
34:25	51:9 59:10	<hr/>	59:9 59:12
52:14 53:12	provides	Q	raised 4:8
proposals	38:15	quality 12:24	4:9 29:8
15:10 45:6	providing 4:4	27:6 38:14	30:5 30:6
proposed 5:14	5:20 8:23	quandary 64:4	30:8 31:8
6:4 13:1	10:20 37:1	quantities	50:1 51:21
17:16	57:17	56:1 56:25	54:5 54:5
23:19 33:6	public 2:4	quarter 56:2	57:23 59:5
43:5 44:3	2:17 4:18	question 10:5	63:4 63:12
52:16	5:12 5:16	question-	63:14
55:21 62:10	5:18 7:4	and-answer	63:15 65:8
proposes 35:1	12:25 13:4	8:15	raising 51:19
proposing	13:12	questioning	range 24:8
18:20	13:15	46:17	27:1
protection	13:19	questions	rational 64:2
32:21 57:14	13:22 27:8	11:10	64:13
proven	27:15	30:14 65:18	RCRA 56:17
18:20 19:4	27:21	queue 4:10	reactor 14:16
provide	28:21 29:5	4:13 9:4	55:7
3:24 4:3	29:18	9:18 9:23	reactors
4:10 5:15	34:10 44:5	10:10 29:7	14:24 18:8
6:2 6:16	44:12	30:7 30:12	readily 12:15
7:15 7:18	57:14 60:5		19:12 21:25
	63:10 65:11		
	published		

Reading 8:11 8:21 29:4 47:14 ready 31:11 40:7 realistic 3:14 realistically 53:18 realities 12:19 18:19 44:19 44:22 realized 33:17 really 30:24 47:3 47:7 51:15 56:11 56:23 60:1 63:23 64:1 65:19 reason 48:8 reasonable 12:18 18:18 23:24 27:3 27:17 44:11 44:14 44:18 44:19 receive 31:5 34:17 received 6:11 7:11 8:1 13:19 28:16 receiving 34:23	recently 19:25 32:10 34:16 59:8 recognize 8:4 8:7 recognized 32:16 reconsider 35:16 52:10 reconsiderati on 17:17 record 13:24 14:19 26:17 32:9 35:7 38:8 40:4 62:9 recruit 37:7 red 48:16 reduce 12:11 21:23 40:18 reducing 11:21 reevaluate 52:2 reference 45:18 referenced 14:10 referred 11:24 15:18 refining 6:9 regarding 8:16 11:10 regardless	8:1 28:12 51:1 regards 33:7 region 38:5 38:15 61:17 Register 13:10 regulations 34:18 34:19 reiterate 47:11 related 41:13 relates 5:21 release 55:21 56:7 56:13 releasing 56:24 relevant 5:25 6:13 6:24 14:9 47:13 relinquish 38:20 rely 29:7 remain 49:19 remained 60:4 63:9 65:10 remaining 38:20 remains 56:1 remember 28:14 46:14 removal 42:3 62:12 remove 32:5 41:22 removing	36:22 repeat 50:16 50:17 replace 26:9 report 46:5 46:9 46:15 49:17 64:5 64:5 reporter 7:12 28:1 repository 14:22 35:10 52:12 55:16 represent 34:20 60:24 representatio ns 54:19 representativ es 4:22 represented 55:4 repurposed 18:13 requesting 29:11 require 18:21 19:16 24:4 required 5:10 25:5 26:5 44:2 51:5 requires 12:22 15:13 19:7 re-raise 51:18 research
---	--	---	---

18:22	review 5:23	ROD 14:19	42:13 43:7
reserved 5:4	6:22 13:7	16:3 16:16	62:6
reside 38:7	53:9 53:10	Rodgers	safer 43:10
resolution	53:17	41:3 41:5	52:5
32:11 32:14	Ribbon 64:15	41:8 41:9	safety
resources	Rick 33:25	43:14	11:18 32:9
27:6 27:7	34:2 36:3	role 11:8	32:21
27:11	ridiculous	32:16	36:17 37:4
27:12 43:3	39:8	36:16 38:1	38:8 39:20
respectful	right-hand	38:16	40:4 41:23
29:17	9:12	Room 8:11	53:3 62:9
respectfully	rights 54:22	8:21 28:6	salt 39:23
29:16 38:20	rigorous	29:4 47:14	48:11 48:13
respond 44:18	53:17	rules 8:6	Sandia 40:3
responsibilit	River 19:19	8:17	57:5
ies 11:20	21:15 23:3	run 3:19	Savannah
responsible	23:8 24:5	29:14	19:18
12:1 17:8	24:20	runs 7:16	21:15 23:3
rest 66:8	24:21 25:9	Russell 37:20	23:8 24:5
result 24:11	25:13	37:21 37:23	24:20
resulting	25:17	Russia 48:14	24:21 25:9
22:15 25:8	25:19	_____	25:13
results 21:24	25:22 26:4	S	25:17
retain 37:7	26:10 28:5	SA 16:12	25:19
rethink 53:19	32:2 32:8	sacrifice	25:22 26:3
R-e-v 49:20	33:6 36:15	35:13	26:10 28:5
Revell	36:25 37:5	safe 3:11	32:2 32:8
47:24 48:1	38:1 38:4	12:13	33:6 36:15
48:4 48:4	41:16	12:17	36:25 37:5
49:11	42:12 46:7	26:14 37:1	38:1 38:4
49:15	61:14	37:10	41:16
49:20	61:15	Safeguards	42:12 46:6
49:20	61:21	40:18	61:14
49:23	61:24	safely	61:15
57:25 58:1	61:24 62:7	18:17	61:21
59:3	62:17	19:13	61:23
	robust	21:25 41:19	61:24 62:7
	21:22 22:6		62:17
	Rocky 40:2		saving 40:20
			SAVY 21:5

schedule 13:23 scheduled 7:5 schools 43:2 science 40:16 Sciences 34:16 40:14 scope 23:19 27:16 27:24 scoping 2:3 2:17 3:16 3:22 5:17 5:18 6:11 7:18 8:25 13:5 13:7 13:11 13:15 13:19 17:13 24:1 27:14 27:22 28:22 40:9 49:16 61:11 Scott 43:16 43:18 51:21 51:22 screen 4:7 4:25 9:9 29:14 30:4 50:12 50:14 59:14 seamlessly 3:20 search 8:11 second 21:13 29:25 37:2 51:8 54:5	59:11 59:18 seconds 49:10 secretive 57:3 secure 12:14 22:4 22:23 41:25 42:8 secured 32:24 securely 41:20 43:7 61:23 security 2:23 11:2 11:14 11:18 17:10 31:25 32:17 32:21 36:17 36:20 39:20 41:13 44:5 61:17 seed 48:18 48:19 seeing 30:21 seeking 27:15 seems 44:13 64:6 seen 30:24 segregated 58:22 SEIS 16:13 semi- autonomous 11:16	Senate 60:24 61:3 61:4 Senator 60:10 60:17 60:21 61:2 61:3 62:20 62:22 send 4:24 25:16 31:9 50:13 seniors 42:20 sense 39:22 separate 21:2 42:24 separately 32:14 separation 40:19 series 21:1 23:14 serve 42:25 setting 56:23 settlement 61:25 Setzler 61:4 several 15:11 24:6 24:9 40:1 49:3 58:22 severe 58:19 Shane 61:3 sharing 50:10 Sharon 41:3 41:4 41:9 sheet 8:15	10:5 shell 55:17 shifts 33:2 33:2 ship 25:8 shipment 22:10 24:20 25:2 26:7 shipments 53:6 shipped 22:14 22:23 24:24 25:24 shipping 16:9 22:13 22:23 52:17 short 4:19 5:24 7:17 29:2 29:15 49:5 shortly 29:14 40:1 showing 35:23 35:24 shown 20:18 21:20 26:12 50:14 shows 21:13 22:18 24:14 24:25 25:14 26:1 significant 32:25 38:16 42:5 61:16 significantly
--	---	--	--

12:23 42:3	six 16:4 16:6	28:6 32:6	spend 63:18
similar 64:13	19:22 40:5	36:23 37:4	spill 58:12
sincerely	58:13	41:22 42:4	square 48:10
51:11	skilled 62:8	62:1 62:2	SRS 15:1
single 24:9	slide 8:6	62:2	25:25 32:4
55:13	14:5 20:9	Spanish	32:16
site 19:19	22:18	10:1 10:3	32:23 38:8
21:15 23:3	24:14	10:4 10:9	38:15
23:8 23:11	24:25	10:11	38:19
24:5 24:10	25:14 26:1	SPD 15:4 15:4	41:23 42:5
24:20 25:9	26:12	15:16	42:7 42:15
25:13	45:12	15:17	42:15 43:7
25:17	45:12	16:13 33:7	43:8 52:24
25:20	45:13 45:14	41:15 41:25	53:1
25:22 26:4	slides 8:6	spdp 27:5	SRS's 52:25
26:10 28:5	8:9 17:2	27:16	staff 29:18
32:3 33:6	23:14 24:6	27:17	65:15
36:15	small 49:5	27:21 28:7	staged 22:21
36:25 38:4	smaller 52:25	50:17	stakeholders
41:16	socioeconomic	speak 4:15	23:25
42:12	s 27:11	9:20 31:22	stand 39:5
55:13	soil 55:14	43:12	standards
61:14	soils 27:7	speaker 38:24	21:8
61:15	Solitz	41:3 43:16	stands 44:7
61:21	63:15	45:23	Star 4:14
61:24 62:8	63:17 63:20	speaking	9:22 30:11
62:17	solution	10:11	30:12 31:3
sited 64:14	36:18	63:22 64:7	59:16 60:12
sites 19:17	37:10 57:1	specialized	stardust
22:18 24:9	somewhat	21:4	39:11
34:25	64:13	Specifically	start 4:18
40:12	sorry 63:18	33:7	4:20 29:6
41:17	sort 64:19	specified	29:11
42:24 55:11	sounds 50:2	21:17	30:14
Site's 32:8	60:6	speed 58:8	43:23 50:21
37:6 38:1	South 16:20	spell 54:10	started
siting 15:6	20:5 23:3	spelling	2:13 33:16
situation		49:17	
64:1			

Starting 20:16	65:22	25:2 33:22	37:5 38:1
state 4:21	stockpile 11:19	subsequently 16:16 21:21	38:9 38:19
13:20 31:5	stop 50:10	substance 56:1	39:6 41:12
31:7 32:6	55:5	substances 55:24	42:1 42:9
35:12 37:5	stopped 33:18	subsurface 57:8	42:18 43:1
47:22	storage 14:13	success 3:17	43:5 43:8
53:18	14:24 15:1	successful 37:1	61:20
54:20	21:8 26:14	suggestion 53:14	supported 15:12
60:10	45:3 53:21	suite 25:5	supporters 42:17
62:12 62:20	stored 61:14 61:23	26:5	supportive 36:19 36:19
stated	strategic 32:7 36:15	suited 42:10	supports 33:8
23:16 44:8	strategy 18:17 61:22	summarized 6:12	40:16 40:21
44:10 44:17	strengthening 38:17	summary 13:18	sure 7:9
Statement	stretch 58:14	19:7	29:20
2:19 5:10	strictly 63:22	Super 36:8	31:13
10:21	studied 18:3	supplement 16:12 26:8	33:24
14:15 15:4	studies 23:21	supplemental 15:15	34:15 36:1
15:16	58:21	15:16	57:22
33:10	sub-	15:17	58:23
36:12	alternatives 14:17	25:18	59:21 60:9
36:24	submit 5:3	43:21 45:9	64:1
41:14 44:1	27:23 28:7	supplies 48:17	surplus 2:2
45:1 45:10	28:15 36:10	support 2:23 16:19	2:18 3:5 5:9
53:21	submitted 7:22 7:23	20:3 23:9	10:17
54:21 61:10	32:14	32:6 32:11	10:24 12:9
States	subsequent	32:18 33:4	12:13
11:16			12:17
12:13 17:19			14:12
status 31:10			14:18
stay 51:4			14:21
51:5			14:22 15:2
staying 3:11			15:11
step 15:12			15:14
20:14 47:4			15:23
steps 20:10			17:14 18:4
20:13			18:25 20:2
steward 38:4			20:10 22:6
sticking			

22:21	32:8 32:20	38:18	2:14 10:22
22:22	50:7	38:21	26:23
23:13	technological	38:23	26:24 54:2
24:12 25:7	23:18	40:23	57:16 57:17
26:7 26:14	23:20 23:22	40:24 41:1	that'll 64:21
27:24 32:2	technologies	41:8 43:11	therefore 8:8
32:5 32:12	18:3	43:13	18:22
34:17	technology	43:15	there's
36:12	3:19 18:20	43:19	8:16 9:17
37:11 38:2	19:4	45:17	47:3 51:6
41:15	telephone	45:19	52:15
41:19	30:12	45:20	54:18
41:22 42:3	terminated	45:22	55:12
43:21	18:12	45:25 47:9	55:15
51:12 52:8	terrorism	47:10	55:16
53:13	11:22	47:15	56:14
61:11	testimony	47:23	63:25 63:25
61:13	42:22	49:14	they're 42:17
61:22 62:12	Texas 22:22	49:15	52:17
Surveillance	48:6 48:19	49:24 54:1	threat
23:5	thank 9:6	54:17	11:21 12:11
system 20:9	9:24 9:25	57:15	throughout
40:10 64:2	10:12	57:19	3:23
systems 23:9	10:13 17:4	58:25 59:2	thus 36:14
<hr/>	28:19	59:4 59:22	tiered 45:2
T	28:24	60:3 60:15	Tim 48:4
taking 12:7	31:13	60:16	49:20 57:25
64:24 65:3	31:17	60:17	timeline
talent 42:22	31:21	60:19	7:2 13:6
talented 42:9	33:11	62:15	14:10 62:11
talk 12:20	33:14	62:18	timer 29:13
27:13 59:1	34:11	62:19	33:16
talking	34:14	62:22	33:18 50:10
46:9 46:21	35:20	62:24 63:7	tips 8:6 8:17
55:25 64:10	35:21 36:5	63:8 63:17	today 19:21
Task 39:3	36:7 37:8	65:3 65:4	27:23 42:5
39:18 40:21	37:11	65:9 65:15	61:18 63:24
Taylor 61:8	37:12 37:22	65:16	
technical 5:6		65:23	
		65:25 66:1	
		66:5	
		thanks 2:14	

today's 66:7	20:16	tried 48:6	42:10
Tom 60:10	total 55:8	58:5	United
60:23	town 48:7	trouble 46:24	11:16
tonight	toxic 55:24	TRU 16:9	12:13
5:18 5:20	56:1 56:12	39:14 64:24	17:19
7:11 7:24	track 30:9	TRUPACT 22:14	41:10 42:14
24:2 28:11	38:8	try 28:15	unlikely
37:13	tracking	29:15	53:11
47:12 51:3	29:13	Ts 42:21	unmute 4:1
51:10	transcribed	TUESDAY 2:6	4:14 9:19
57:18	7:12 28:1	turn 4:3 4:15	30:22 54:9
62:21 65:5	transfer 21:9	9:2 9:11	60:13
tonight's	transferred	9:19 10:15	unmuted
6:17 9:5	24:16	17:1 26:21	4:16 4:17
13:11	translate	28:20	30:23
17:12	65:21	30:20 38:16	31:16
51:14 59:24	translator	two-inch 58:6	34:13 36:4
tons 12:5	10:1 65:20	_____	37:21
12:9 12:17	transport	U	38:25 41:4
15:21	22:24	U.S 11:18	43:18
15:22	transportatio	unambiguously	45:24
15:23 16:1	n 27:11 53:4	52:6	47:22
16:4 16:7	58:4	unanimous	51:22
16:15	transuranic	32:11	54:11
16:18	19:13 22:1	under-	57:24
17:18	22:16	employed	60:15 63:16
17:20 18:6	23:13	42:20	unofficially
18:25	24:13 25:8	underground	35:12
19:22	treasure	22:17 23:12	unsafe 55:10
19:24 20:2	42:22	understand	upgrades
20:6 20:7	treated 28:12	13:25 38:3	32:25
22:20	treatment	47:3	uranium
26:15	32:18	undertakes	12:3 54:23
32:13 39:7	Tribal 4:20	26:25	urge 62:13
40:1 40:5	13:20 31:5	unique 32:19	usable
40:6 40:8	31:6	uniquely	14:14
61:13			19:12 21:25
topics 27:4			user 47:21
27:13 27:18			
top-left			

54:8 57:23	42:23 42:25	water 27:12	16:25 29:3
users 47:20	vulnerable	48:11	47:14
utmost 38:9	42:19	48:11	we'd 4:20
<hr/>	<hr/>	55:14 57:9	50:22
V	W	weapon	weigh 44:4
<hr/>	<hr/>	17:23 20:17	welcome
valued 6:8	wait 2:12	weapons 11:19	2:17 7:25
variants 24:7	walking 10:19	11:20	17:5 17:11
variations	65:17	12:12	28:11 51:4
15:20	Warren	12:15	51:17 59:11
various	45:23	14:13	we'll 2:12
14:6 16:23	45:25 46:3	19:12	2:13 4:14
vehicle 58:8	47:10	21:25	6:19 6:20
verify 22:12	waste 16:9	25:16 39:7	7:8 7:20
via 29:8	19:13	41:21 44:1	8:14 8:23
viable 18:11	19:13	62:7	27:9 29:9
view 62:13	19:20 22:1	weapons-grade	29:11
violates	22:12	65:1	30:14
44:21 54:19	22:14	weapons-	30:15
violation	22:16	usable	30:18
34:18	23:10	12:3 17:9	30:19 34:5
violations	23:13	17:25 45:3	59:20
54:22	24:13	wearing 56:21	we're 3:18
Virginia	24:23 25:8	WebEx 4:1	7:7 29:6
3:2 10:16	27:12	4:24 5:6 8:5	30:8 31:4
17:2 17:3	32:19	9:2 29:8	46:12
17:6 26:24	34:22	34:4 47:18	46:12
28:25	34:23	webinar 3:7	46:13
virtual 2:4	34:25 35:1	4:2 4:5	47:20 51:5
3:16 3:20	35:2 35:8	7:7 8:5 8:17	we've 50:3
virtually	35:9 35:17	29:8 30:2	51:18 65:13
40:19	37:2 39:12	30:11	wheat 48:17
visual 27:10	39:14	30:15	WHEREUPON
voice 4:16	39:17	30:18 31:9	60:4 63:9
28:2 30:23	51:25 52:2	50:22 51:2	65:10 66:10
37:25	53:11	60:8 63:2	whole 46:19
volunteers	53:16 55:7	webpage 8:13	wide 58:14
	55:10	website	widespread
	55:11 57:5	10:6 14:8	
	64:3 64:23		
	64:24		

33:4	21:2 21:23	30:25	
William 61:5	27:8 56:20	57:12 59:10	
Wilson 62:2	workforce	Yucca 64:14	
wind 55:18	37:2 37:7		
58:11	38:10 42:9		
window 4:25	43:7 62:8		
WIPP 15:18	world 11:22		
16:5 16:10	12:4 39:22		
22:1 22:12	43:10		
24:5 24:13	world-class		
24:23	41:23		
24:24 25:3	worldwide		
25:8 25:24	12:12		
26:8 34:21	worried 57:10		
35:1 39:4	written 32:15		
39:8 39:11			
39:14	<hr/>		
39:16	Y		
39:23 40:3	Yep 50:11		
40:7 40:10	54:16		
40:16	yesterday		
40:17	3:17 57:18		
40:22 49:2	yet 6:7 57:13		
49:13	you'll 2:25		
52:12	9:9		
53:11	Young 60:10		
53:15	60:17		
53:16	60:21		
53:16	60:23		
53:17	62:20 62:22		
53:17	yourself		
55:18 55:19	5:5 10:7		
WIPP's 40:1	57:4		
40:22 53:11	yourselves		
wish 41:12	64:11		
work 2:21	you've 3:8		
10:17 37:6	4:17 7:22		
worked 42:23	28:9 30:10		
workers	30:13		