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ORIGINAL

RED HILL TASK FORCE
Tuesday, November 14, 2017
9:02 a.m. to 11:52 a.m.
State Capitol, Second Floor Hearing Room
Honolulu, Hawaii

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2 Tuesday, November 14, 2017

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4 Honolulu, Hawaii

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6 MR. KAWAOKA: I'm going to call this meeting
7 to order. Good morning, everyone and thank you for
8 coming this morning for the Second Annual Field
9 Constructed Tanks update.

10 My name the Keith Kawaoka, I'm a Deputy
11 Director for Environmental Health. Before we get
12 started, I would like to -- I think we're waiting for
13 maybe a couple of groups, but we'll get started anyway.
14 Since we have a relatively small group this morning, why
15 don't we introduce around the table starting with my
16 left.

17 CAPTAIN HAYES: Captain Rich Hayes, Commanding
18 Officer at NAVFAC Hawaii, also Regional Engineer for
19 Navy Region Hawaii.

20 MR. MANFREDI: I'm Mark Manfredi, I'm the
21 Regional Red Hill Program Director managing all of the
22 work under the AOC.

23 MR. MONTGOMERY: John Montgomery, Red Hill
24 Program Manager, Mark's deputy.

25 REPRESENTATIVE LEE: Chris Lee, Chair of the

1 Energy and Environmental Committee in the State
2 Legislate of the House.

3 MR. LAU: Ernie Lau, Board of Water Supply.

4 SENATOR GABBARD: Mike Gabbard (inaudible).

5 MR. LINDER: Steve Linder, I manage the
6 Underground Storage Tank Program for the US EPA
7 Region IX.

8 MS. FAIGE: For Karl Rhoads, Chair of the
9 Senate (inaudible) Committee, Jessie Faige, I'm a
10 legislative attorney.

11 MR. CHANG: Steven Chang, from the Department
12 of Health, Solid and Hazardous Waste Branch. I'm the
13 current project manager for the State of Hawaii on the
14 Red Hill project.

15 And in two weeks, I can introduce my
16 replacement, Lene Ichinotsubo, a colleague in the Solid
17 and Hazardous Waste Branch, and she's going to do a
18 great job.

19 MS. PERRY: I'm Thu Perry, Department of
20 Health Public Participation Coordinator.

21 MS. ICHINOTSUBO: Lene Ichinotsubo, Solid and
22 Hazardous Waste Branch (inaudible).

23 MS. SETO: Joanna Seto, Safe Drinking Water
24 Branch, Department of Health.

25 MS. ICHIYAMA: Linda Ichiyama, State

1 representative.

2 MR. CHINN: Ron Chinn with Innovex
3 Environmental Management, I'm the environmental
4 consultant to EPA and DOH with respect to the
5 (inaudible).

6 MR. PALLERINO: Bob Pallerino with US EPA
7 Underground Storage Tank Program of the Red Hill Project
8 Coordinator.

9 MS. KWAN: Good morning, my name is Roxanne
10 Kwan, I'm with the (inaudible) Program with the Solid
11 and Hazardous Waste Branch.

12 MS. TU: Lyndsey Tu, US EPA Underground
13 Storage Tank Program.

14 MR. LA PLACA: Pete La Placa, Remedial Project
15 Manager.

16 MR. FITZPATRICK: Dave Fitzpatrick, Navy
17 Region Hawaii.

18 MR. RIGGS: Rock Riggs, for State Senator Mike
19 Gabbard.

20 MR. SEGUNDO: Jordan Segundo, KITV 4 Island
21 News.

22 MR. HIOKAMA: Nathan Hiokama, consultant for
23 the Department of Health.

24 MS. KOETHE: Ann Koethe, Department of Health
25 Communications Office.

1 MR. TRACY: Joseph Tracy with Intera here on
2 behalf of the Board of Water Supply.

3 MR. SIGDA: John Sigda, Intera, supporting the
4 Board of Water Supply.

5 MR. EISELSTEIN: Larry Eiselstein, Exponent,
6 consultant for the Board of Water Supply.

7 MR. KAWATA: Erwin Kawata, Board of Water
8 Supply.

9 MR. FREEDMAN: Chuck Freedman, Office of
10 Senator Brian Schatz.

11 MR. PENAROSA: Kainoa Penarosa, Office of
12 Congresswoman Tulsi Gabbard.

13 MR. WAKI: Cory Waki, NAVFAC HI Environmental
14 Health.

15 MS. SAGUIBO: Tracy Saguibo, NAVFAC HI
16 Environmental.

17 MR. JOHNSON: Jeff Johnson, AECOM Supporting
18 the Navy.

19 MR. STANLEY: Curt Stanley, GSI Environmental
20 supporting AECOM and the Navy.

21 MR. SANTANA: Carlos Santana from Senator
22 Mazie Hirono's office.

23 MR. FLOYD: John Floyd, NAV SUP FLC Pearl
24 Harbor. I'm responsible for the operations and
25 maintenance of Red Hill.

1 MR. GUTHRIE: Ed Guthrie, DLA (inaudible).

2 MR. KAWAOKA: Welcome, everybody. There may
3 be others joining us and some of the legislators might
4 have to adjourn soon for a meeting and so let's get
5 started.

6 So I just want to remind the committee and the
7 audience of last year's meeting. And there are minutes
8 like Thu said, and a report available online, we can
9 give you that website.

10 Also at last year's meeting, the Navy was
11 asked to provide historical information from my former
12 office, the Hazard Evaluation and Emergency Response
13 Office and look at other information to look at the
14 various field constructed tank sites across the state.

15 And there were some changes as you recall that
16 by agreement the Navy basically got all of the tanks
17 from the Air Force and the Army. But I think the
18 committee members felt that it was important to have
19 more information regarding these field constructed
20 tanks. They were either previously closed or both
21 temporarily or permanently closed.

22 So the Navy agreed to do that, and they will
23 present that information today based on all of the
24 information that they collected previously. So,
25 basically, the Navy has primary responsibility for the

1 majority of these tanks, and they will provide the
2 presentation for today's meeting.

3 And to reiterate, based on Act 244 from the
4 Legislature, this committee, the Fuel Tank Advisory
5 Committee was formed for the purpose of looking at
6 short-term and long-term effects of leaks, response
7 strategies to mitigate effects of leaks, and provide a
8 method to improve communication between the various
9 services, Navy, Air Force and Army and the State, and
10 the local Board of Water Supply and the public in
11 general in the event of a leak, looking at ground water
12 test results in relation to surrounding areas of the
13 no-tank facilities, implication for shutting down a fuel
14 tank facility, and updating on the progress towards any
15 agreement between the State, effective County and the
16 Federal government.

17 So the purpose of today's meeting is to review
18 and look at what currently is going on as far as
19 activities looking at the field constructed tanks
20 including Red Hill. So I'll turn it over to Captain
21 Rich Hayes for the presentation.

22 CAPTAIN HAYES: Thank you, Keith.

23 Today I would like to start off or plan to
24 start off with updating you on the Field Constructed
25 Tanks other than Red Hill. And then we have a separate

1 status update brief on Red Hill. While the Red Hill
2 tanks do show on this chart here, I'll do it as a
3 secondary brief.

4 MR. LAU: Sorry, Captain, to interrupt.

5 John, could you adjust the focus a little bit.
6 It's either my eyes are getting worse or...

7 CAPTAIN HAYES: This chart reviews the
8 previous years and it just shows kind of a summary of
9 the field constructed tanks that the Navy is responsible
10 for, here in the State of Hawaii.

11 We currently have 31 tanks in use and 23 that
12 we have in either temporary out of use or permanent out
13 of use. And I'll provide in greater detail on those as
14 we go through. So a total of 54 tanks that we're
15 tracking in the State of Hawaii.

16 So, next, we'll talk about the field
17 constructed tanks that are permanently out of use, the
18 first is Kipapa Gulch Field Storage Annex, which was
19 formerly operated by the Air Force and turned over to
20 the Navy when we joined bases.

21 And also previously known as the Hickam
22 Petroleum, the POL Annex in Kakalaua, that is also
23 formerly operated by the Air Force.

24 As you can see on the chart or map to the
25 right, the green area will indicate over a drinking

1 water aquifer, and the pink areas are areas that are not
2 over the drinking water aquifer. And so both of these
3 are over what is known as the drinking water aquifer.

4 The first annex, the Kipapa Gulch Field
5 Storage Annex consisted of four permanently-closed tanks
6 operated by the Air Force. The tanks were about
7 2.65 million gallons each. These are underground
8 storage tanks constructed in horizontal tunnels
9 excavated into basalt in the Northwestern cliff base of
10 Kipapa Valley.

11 They were operated from May of 1943 to
12 February of 1993. There were previous indications of
13 historical releases. Long-term efforts, however, from
14 the closing and including monitoring through natural
15 attenuation, use of enhanced bioventing and various land
16 use controls.

17 The site was investigated under Comprehensive
18 Environmental Response Compensation and Liability Act,
19 CERCLA. However, remedy was implemented under the State
20 Contingency Plan.

21 A Record of the Decision and Response Action
22 Memorandum was approved and signed by the State
23 Department of Health on 3 of February 2012. That is
24 available at the Pearl City Public Library, as well as
25 the EPA website for download and review. I believe

1 copies were distributed to various State agencies at the
2 time that it was signed.

3 We do, as part of the record of decision,
4 still have action that we're undertaking. There are 17
5 monitoring wells that are sampled annually. The last
6 test for these wells -- last two tests were conducted on
7 December of 2016 and February of 2017.

8 With this record and decision being signed in
9 February of 2012 and our actions starting in 2013, we
10 are also coming due for our five-year review which we'll
11 consult with the Department of Health and complete that
12 report as well.

13 Any questions on that location?

14 MR. LAU: This information is available in the
15 State's website, correct?

16 CAPTAIN HAYES: It should be found there. It
17 is available in the public libraries as well as the
18 University of Hawaii's library.

19 MR. LAU: Is it okay to ask questions...

20 Captain, I'm not familiar with the water
21 quality data and results from the monitoring wells, are
22 you finding things in the groundwater?

23 CAPTAIN HAYES: In the last results, we did
24 from eight of the shallow wells, we did detect methane
25 that exceeded project cleanup goals. And so that would

1 be an indication that during our project review, we
2 would be able to continue with those actions in
3 monitoring the natural continuation.

4 Two of the monitoring wells, the basal
5 monitoring wells, indicate TPH levels that would exceed
6 the project cleanup goals. But further testing
7 indicated compounds that were not previously associated
8 with the site, and so they were not interpreted as
9 exceeding the cleanup goals.

10 MR. LAU: What is the TPH cleanup goal?

11 CAPTAIN HAYES: I do not have that information
12 with me right here. I'll have to get back to you.

13 Any other question?

14 Next, we'll talk about the Waikakalaua Fuel
15 Storage Annex, these were nine permanently closed tanks,
16 about 1.8 million gallons each formerly operated by the
17 Air Force. Tanks were encased on the sides and bottom
18 with a concrete shell, topped with a layer of reinforced
19 concrete. These tanks were operated from May of 1943 to
20 June of 1993. They were taken out of service in June of
21 1993 and cleaned in 2002.

22 This site was also investigated under the
23 CERCLA Act, and a Record of Decision was approved and
24 signed by the State Department of Health on 19 October
25 2009, and with no further action decision required.

1 That report is also available at the
2 previous-mentioned libraries in Pearl City and the
3 University of Hawaii.

4 If no other questions, we'll move on to Field
5 Constructed Tanks that are temporarily out of use.

6 First is the Kuahua Peninsula Submarine Base.
7 And then we have the Red Hill Bulk Fuel Storage Facility
8 Tanks Nos. 1 and 19. The tanks at Red Hill, No. 1 and
9 19, are over drinking water aquifer as indicated on the
10 map. The Kuahua Peninsula, former Diesel Purification
11 Plant, is not over drinking water aquifer.

12 For the Kuahua Peninsula Former Diesel
13 Purification Plant, this site consisted of eight total
14 tanks, three that were approximately 20,000 gallons
15 each; five tanks that were approximately 94,000 gallons.
16 These tanks are empty.

17 They were concrete tanks installed in 1941 and
18 temporarily out of use, last used in 1990. They are
19 included in our 1997 Naval Base Subsurface Oil
20 Remediation Investigation. There was evidence of fuel
21 release, recoverable free product was removed,
22 monitoring indicates the plume is stable. And the State
23 Department of Health approved the action in 2010.

24 We currently are in our initial design phases
25 for executing the temporary closure actions which would

1 involve emptying the tanks and capping and securing the
2 previously-closed underground storage tanks. We'll do
3 that to satisfy the temporary closure requirements.

4 Also, once we begin, that project is under
5 design now. But before we begin any work, we'll provide
6 30-day notification to the State Solid and Hazardous
7 Waste Branch, prior to start. And upon final closure,
8 we'll submit our report 30 days after completion of all
9 action.

10 Next is Red Hill Bulk Fuel Storage Facility
11 just talking about Tanks No. 1 and 19. These are
12 steel-lined concrete tanks surrounded by basalt rock.
13 They were last used in 1997 and 1986 respectively, and
14 installed between 1940 and 1943. And these tanks are --
15 currently, I think we want to have some discussion on
16 whether they're temporarily out of use or permanently
17 out of use.

18 And we would consider them permanently out of
19 use at this time. However, we have not completed the
20 actions to put them in that category as Red Hill is
21 still an active fuel facility. And so we'll still
22 consider that under the actions that we're reviewing for
23 the AOC to incorporate.

24 If we were to ever bring these back on, they
25 will have to go through the tank upgrade alternatives.

1 But at this time, we do not consider them active for
2 use.

3 I know, Keith, that was a change to the agenda
4 to have a discussion on the temporary out of use and
5 permanent out of use. I don't know if this would be the
6 appropriate time or what further discussion you want to
7 have on that nomenclature.

8 MR. KAWAOKA: Do we have a definition of
9 permanent and temporary at this point as far as the Navy
10 is concerned?

11 CAPTAIN HAYES: As far as Navy is concerned
12 right now, we would consider -- I think permanently out
13 of use; however, given what we're looking at for the
14 AOC, we would still like to reserve, depending upon the
15 tank upgrade alternative that is chosen and whatever
16 impacts it may involve to fuel and inventory storage
17 potentially is an option that would still be available.

18 MR. MANFREDI: So the tanks were -- the Navy
19 submitted the paperwork to declare these tanks
20 permanently out of use in 2007 before the AOC was
21 established.

22 Now with the review of the tank upgrades and
23 all of the alternatives, there is a potential to
24 potentially bring these tanks back into service in one
25 form or fashion or another. So I would not completely

1 want to dismiss them and put them in that permanent
2 category.

3 It will be something that we'll have to
4 address as we go through the steps with the AOC.

5 MR. KAWAOKA: Any discussion or questions,
6 Meeting Members?

7 Okay.

8 CAPTAIN HAYES: The next category, we'll talk
9 about the Field Constructed Tanks that still remain in
10 use, we have two or three different areas. One is the
11 Pacific Missile Range Facility Fuel Farm. It's
12 indicated on the map on the left. I point out that
13 those tanks are not over a drinking water aquifer.

14 If you look at the map to the right, we have
15 the Red Hill Bulk Fuel Storage Facility, Tanks 2 through
16 18 and Tank 20. And that is over a drinking water
17 aquifer. And we have the Kuahua Peninsula Red Hill
18 Surge tanks. As previously mentioned, I'll talk about
19 Red Hill Bulk Fuel Storage Tank after this brief.

20 For the first set, the Pacific Missile Range
21 Facility Fuel Farm. This consists of the nine tanks
22 that are approximately 50,000 gallons each. These are
23 epoxy-lined steel constructed in 1942. All these tanks
24 were inspected in the timeframe of 2011 and 2012 and
25 currently meet the American Petroleum Institute 653

1 compliance.

2 They have an Impressed Current Cathodic
3 Protection System, and they go through an annual third
4 party Cathodic Protection Assessment and Survey. All
5 tanks are equipped with visual and audible alarms for
6 spill prevention.

7 And all tanks are also equipped with a
8 third-party certified Fuels Manager Defense Leak
9 Detection System. Leak Detection tests are conducted
10 monthly. The leak detection system is certified
11 annually.

12 There is a biennial leak detection testing of
13 the 26 linear feet of underground piping; however, we do
14 have a project as programmed for relocation of this
15 section to above ground. And as previously mentioned,
16 these tanks are not over a drinking water aquifer.

17 MR. KAWAOKA: I just want to let you know that
18 they are going to be turning on the Capital webcam
19 cameras, and so just to let you know. So we can turn
20 off all the lights.

21 (Laughter by all.)

22 MR. LAU: Can I just a question to the
23 captain.

24 So these are single-wall tanks, epoxy-lined
25 steel, are they unburied or they were constructed

1 underground?

2 MR. FLOYD: Yes, they were constructed
3 underground. This is John Floyd from FLC.

4 MR. LAU: So the single-wall tanks were
5 constructed underground, steel constructed?

6 MR. FLOYD: That's correct.

7 MR. LAU: The plan I heard was actually to
8 decommission these and relocate to above-ground storage
9 tanks?

10 MR. FLOYD: No, there's no plan for that.

11 CAPTAIN HAYES: Just the piping that goes
12 underground.

13 MR. FLOYD: There were some smaller tanks at
14 the vehicle gasoline station and we're going to
15 decommission those. That stock is going to be removed
16 to above-ground storage tanks.

17 CAPTAIN HAYES: Any further questions?

18 MR. LAU: No.

19 CAPTAIN HAYES: Next, we'll move on to the Red
20 Hill Surge Tanks. These are four active tanks and part
21 of the Red Hill Bulk Fuel Storage Facility. They're
22 30,000 gallons (sic) each. These tanks act as an
23 intermediate transfer point for fuel. They are normally
24 empty and used for emergency storage.

25 They are bare steel encased in concrete tanks,

1 these tanks were installed in June of 1942. They are
2 also subject to the modified API or American Petroleum
3 Institute 653 inspection. And the only modification is
4 that we can't inspect the outside of the tanks. But,
5 otherwise, they go through the full API 653 inspection.

6 They last were inspected between 2004 and 2006
7 and received a 20-year suitability certification. And
8 they are next scheduled for their next inspection which
9 would be 2024 and 2026.

10 These tanks also went most recently through
11 tank tightness testing last year in February of 2017 and
12 certified tight. And, currently, we're conducting this
13 year's round of tank tightness testing which will
14 involve these tanks as well. No reported releases have
15 occurred from the surge tanks, the Red Hill Surge Tanks,
16 since construction.

17 And just as a reminder, these tanks were not
18 over a drinking water aquifer.

19 MR. LAU: I notice that PMFR tanks which are
20 smaller, you have an impressed Current Cathodic
21 Protection System which will protect the steel from
22 corroding or rusting.

23 Do you have any plans to do this on the
24 300K-gallon tanks?

25 MR. FLOYD: No, sir; the difference is the

1 PMFR tanks are metal tanks that are in contact with the
2 soil.

3 MR. LAU: They are not encased in concrete?

4 MR. FLOYD: Correct. The surge tanks that we
5 have here are similar to the Red Hill tanks, they are
6 actually encased in concrete. And the concrete is what
7 is in contact with the soil.

8 MR. LAU: Thank you.

9 I heard differing numbers. These are 300K
10 gallons?

11 MR. FLOYD: Yes, that is the actual show
12 capacity of the tank. We fill them to a slightly lower
13 level that is as a result of our automatic controls to
14 give the valve enough cycle time to shut. I don't have
15 the precise numbers, but, no, we do not fill them to
16 300K gallons.

17 And as the Captain stated at the beginning of
18 these briefs, these tanks are normally empty. We only
19 use them during transfer operations, and we don't allow
20 them to get even close to the high level.

21 MR. LAU: So no chance of overflow or over
22 fill?

23 MR. FLOYD: We have an active overflow
24 protection system on the tanks. We have an overflow
25 protection system on all of tanks. Once the float

1 sensor reaches a predetermined level inside of the tank,
2 the inlet valve to the tank will close, and all pump
3 operations will be inhibited.

4 CAPTAIN HAYES: Any questions on this portion
5 of the Field Constructed Tanks?

6 MR. EISELSTEIN: This is Larry Eiselstein.
7 When these surge tanks went under the API inspection,
8 how many areas were found that needed to be repaired?
9 How many repair areas were there approximately?

10 MR. FLOYD: That is not a question that I can
11 answer at this time. I would have to consult back to
12 the tank assessment reports.

13 MR. EISELSTEIN: But there were some areas
14 that were repaired?

15 MR. FLOYD: I can't say but, typically, when
16 we enter a tank, there are some areas of indications
17 that would have to be repaired typically. As to how
18 many, I don't know.

19 CAPTAIN HAYES: Any other questions?

20 MR. TRACY: Joseph Tracy with Intera.

21 Are these surge tanks also being administered
22 under AOC?

23 MR. MANFREDI: No, they are not.

24 CAPTAIN HAYES: We will shift over to the Red
25 Hill update brief.

1 I'm going to provide a timeline in talking
2 about the tanks. Fieldwork started on the tanks on the
3 far left back in 1940. The work was completed on the 20
4 tanks in 1943. These tanks have also, from that time,
5 have gone through various tank modernization programs in
6 their early '80s. The Clean Water Act was passed and
7 regulation reporting began in 1988.

8 We started using the American Petroleum
9 Institute 653 to clean, inspect and repair in 1994.

10 And since the Clean Water Act passed, I think
11 we're all familiar that there has been two reported
12 spills that we have reported, one being the Tank 5,
13 27,000 gallons that was released in 2014; the other
14 being a much smaller six-gallon spill that actually
15 leaked back into the tank during some work. And we were
16 able to recover all of that but we still reported that
17 as required.

18 Moving to the right, the Administrative Order
19 on Consent signed in 2015. That's the effort in
20 progress that we're making now with the regulators and
21 various stakeholders to put the AOC actions in effect
22 and get to the tank alternative upgrades and be complete
23 as required by the AOC in 2037.

24 Today, I'm just going to give a refresher for
25 those who are not intimately familiar with the AOC. The

1 AOC is made up of eight sections. And I'm going to walk
2 through each of those sections and talk about our status
3 as we go through.

4 But this covers those eight sections, Prop
5 Section 1: Project Management and Public Outreach.

6 Section 2: Tank Inspection Repair and
7 Maintenance.

8 Section 3: Tank Upgrade Alternatives.

9 Section 4: Release Detection/Tank Tightness
10 Testing.

11 Section 5: Corrosion and Metal Fatigue
12 Practices.

13 Section 6 and 7: We combined because of the
14 similar effort and that is an investigation and
15 mediation of the releases and ground water protection
16 evaluation.

17 And, lastly, Section 8 is a Quantitative
18 Risk/Vulnerability Assessment.

19 Lastly, we'll go through the TUA Decision
20 process that we foresee as required by the AOC
21 (inaudible).

22 For Section 1, I want to break each of these
23 down into two different timelines: What we have
24 achieved since the last update last year at this time
25 and what we have kind of current and upcoming over the

1 horizon.

2 Since the last update, we have hired a
3 full-time project director, this guy sitting to my left,
4 Mr. Mark Mandredi, who previously was the Region Chief
5 of Staff. And so he's been involved with this since the
6 beginning of this bill in 2014.

7 Since the last update, we have also held two
8 public meetings. We've held eight status update/working
9 group meetings with the EPA/Department of Health, and
10 other subject matter experts.

11 The Region -- Admiral Fuller and Admiral Fort
12 have released four stakeholder letters as updates, two
13 videos, and seven press releases. And then we have
14 attended numerous recurring neighborhood board meetings
15 and provided briefs as requested.

16 This section is pretty much just a general
17 project management overview. But current and upcoming,
18 we do have a Ground Water Modeling Working Group and
19 Environmental update. And that is scheduled to occur
20 this week, beginning tomorrow and run through the rest
21 of the week. We have a team here to go through the
22 latest status on the groundwater modeling.

23 We have an upcoming Quantitative Risk and
24 Vulnerability Assessment Progress review. And we have
25 another stakeholder letter update coming out, I believe

1 before the end the new year or at the end of the year.

2 And then we're anticipating public outreach
3 meetings once we turn in our tank upgrade report which
4 is due on 8 December. And then we have the tank upgrade
5 alternative decision meetings which will be a key
6 milestone for the AOC.

7 Moving on to Section 2 of the Tank Inspection,
8 Repair and Maintenance, you will see it later in the
9 slide as TIRM.

10 Since the last update, we have submitted and
11 received approval for two key deliverables: Our TIRM
12 report and the TIRM decision document. This includes
13 improvements in these reports and decision documents,
14 covered improved procedures for quality control and
15 quality assurance, the tank tightness testing conducted
16 annually, covered return to service procedures, updated
17 our contract specifications on tank inspection and tank
18 repair, and also addressed improvements to our
19 construction management and tank cleaning
20 specifications.

21 Right now, we currently have five, six tanks
22 are under contract. Two separate contracts were awarded
23 to clean, inspect, and repair Tanks 4, 13, 14, 17 and
24 18. And then we have a reinspection under way of Tank 5
25 that is currently in progress.

1 MR. MANFREDI: It's important to note that
2 work is not being executed under all of those tanks
3 simultaneously. We can take three tanks down to
4 maintain the required number of operations. And so once
5 one of those tanks gets put back in service, then the
6 other one that is under contract goes right into
7 immediate work.

8 And so it was an efficiency that we gleaned
9 from a previous procedure where we would just contract
10 one tank at time. By doing the multi-tank contract, we
11 were able to save some time and money by contracting a
12 bunch of tanks and recognizing that they weren't all be
13 working at the same time. But once one gets put into
14 service, we can start immediately on the next tank.

15 CAPTAIN HAYES: As Mark mentioned, currently,
16 we have tanks 13, 14 and 17 in progress of that clean,
17 inspection, and repair.

18 We do anticipate upcoming return to service of
19 Tank 5 in Fall of 2018, pending the results of the TUA
20 inspection. We anticipate work -- upon completion of
21 work on either tank 14 or 17, we'll start work on Tank
22 18. And then upon completion of work on Tank 13, we
23 will begin work on Tank 4.

24 And so that will conclude -- if we can go to
25 the next slide. This may be hard for folks to read here

1 on the projector. But it just kind of covers the
2 timeline that we have right now for the tanks to go
3 through the clean, inspect, and repair site under the
4 current TIRM procedures.

5 And so it's important to note this does not
6 incorporate the tank upgrade alternative timeline. So
7 once that alternative is selected, and we know the
8 method or the upgrade that will be put in place, we'll
9 rework the schedule to incorporate those upgrades. But
10 as you can see, we currently have tanks 5, 14, and 17
11 and 13 are underway which is indicated by the red bars
12 that are kind of "today" date, with 18 and 4 next in
13 line to be done.

14 As we go through the AOC process and we get a
15 decision on the tank upgrade alternative and approved by
16 the regulators, we'll combine those specifications into
17 this time line. And so it will still be a clean,
18 inspect, and repair but the repair will be a much more
19 detailed tank upgrade.

20 Any questions on this section?

21 MR. LINDER: Questions. So Tank 5, you are
22 looking at bringing that back into service in Spring of
23 '18?

24 MR. FLOYD: December 18 is the current
25 schedule.

1 CAPTAIN HAYES: It's important to note that
2 the contract that we have right now is an inspection
3 contract, and so it does not incorporate any repairs.
4 Once we get the results of the inspection contract,
5 we'll then determine if other additional repairs are
6 required. That could adjust this time line.

7 And so we went back and followed the previous
8 contractor, WilBros, and the experiences that we had
9 with that contract and that contractor performance, we
10 did not feel comfortable with that.

11 And we wanted to go back and hire another
12 contractor and go back and do the reinspection -- 100
13 percent reinspection of the tank. So we're hopeful that
14 that work will indicate that the work was all done
15 satisfactorily that we had the previous contractor do
16 for the warranty of repairs.

17 MR. MANFREDI: I think it's important to note
18 also that with regard to Tank 5, the inspection that is
19 currently underway, this is above and beyond what was
20 done under the warranty work. And so WilBros, the
21 previous contractor, was required to go back in the tank
22 with a third-party inspector to review all of the
23 previous work that was done and make all of the
24 necessary repairs.

25 And then as Captain Hayes pointed out, we felt

1 it would be more prudent to go in to start with this
2 clean slate as if this tank was just taken off line and
3 go back and completely reinspect the entire tank, note
4 any additional repairs, and move on from there.

5 So we're treating this tank as if this tank
6 was just taken out of service, when in fact it had some
7 repairs and the warranty work and now this additional
8 inspection.

9 MR. LAU: And, if necessary, additional work
10 will be done.

11 MR. MANFREDI: Yes, absolutely.

12 CAPTAIN HAYES: That is not reflected in this
13 time line or return to service date which is fall or
14 winter.

15 Next Section 3: Tank Upgrade Alternatives.

16 Since the last update, the Statement of Work
17 for our TUA report was approved. We awarded a contract
18 and had an engineering firm give us more details on the
19 six alternatives. Actually the contractor screened
20 through 33 initial candidate alternatives and narrowed
21 that down in collaboration with the regulators and the
22 subject matter experts to six viable alternatives that
23 are now being studied.

24 We also submitted our TUA Decision Process
25 document, submitted for review, and we'll cover that

1 later on in the brief.

2 Key milestones upcoming. We note that the TUA
3 report on 8 December. It will be important to note that
4 this TUA report will just be a report on those
5 alternatives and how they match up against 18
6 attributes. It will not be a TUA decision and it will
7 not provide at this time a TUA recommendation.

8 It will just be a programmatic-level
9 engineering evaluation of those six tank upgrade
10 alternatives. And rating each of those alternatives,
11 three which are single-wall alternative and three that
12 are double-wall alternative against 18 attributes.
13 Other milestones after submission of that report on 8
14 December will be to schedule a public outreach and
15 comment period.

16 We'll hold a decision meeting with the
17 regulators. And we will then submit our proposed TUA
18 Decision and again have another public outreach and
19 comment period, which will lead into the EPA and
20 Department of Health's review.

21 And then upon approval of the alternate TUA
22 upgrade, the Navy, EPA and DOH parties to the AOC owe a
23 brief to the House Armed Services Committee 30 days
24 after that decision.

25 Next section, Section 4: Release

1 Detection/Tank Tightness Testing. Since last update,
2 the Release Detection Statement of Work was approved and
3 a contractor awarded to evaluate potential Release
4 Detection Systems at Red Hill.

5 With that, we're going to have three
6 contractors to come in and do field testings of the
7 systems that they propose. Red Hill being unique in
8 that there is no other facility like that, we actually
9 want to do these field tests to be able to have the
10 contractors prove that their systems work. And then
11 we'll be able to choose the best system from those.

12 All tanks passed annual tank tightness testing
13 in February of 2017. And we currently are undergoing
14 tank tightness testing at this time, anticipating those
15 results coming out about the same timeframe, January or
16 February of 2018.

17 MR. LAU: Can I ask a question or make some
18 comment. I'm sorry I missed -- regarding the Section 4,
19 John, could you go back one slide.

20 Section 3, I'm sorry.

21 I just wanted to thank you, Captain, we
22 noticed recently that the tank upgrade went through a
23 decision process and is actually soliciting public
24 comment and we appreciate the movement toward
25 transparency and allowing the community to get more

1 directly involved and providing input into this process.

2 So I just wanted to say mahalo.

3 CAPTAIN HAYES: Let's go back.

4 The only other upcoming milestone for this
5 slide is that leak detection final report is due in July
6 of 2018.

7 MR. FREEDMAN: Tank tightness is the integrity
8 of the tank, what is tank tightness?

9 CAPTAIN HAYES: Tank tightness, we put the
10 tanks -- the contractor will come in and install a
11 measuring apparatus that will put the tanks through a
12 168-hour test, and hold the tank at a static level, and
13 measure or monitor the level of those tanks over seven
14 days, 24 hours. And so, essentially, it's seven
15 consecutive, 24-hour tests.

16 And the contractor will take those results and
17 we're able to indicate if there is any leaking. As the
18 test results are proven, the tank will (inaudible) be
19 able to hold a static level to within 1/16 of an inch.

20 MR. FLOYD: Minimum detect leak rate is one
21 half gallon per hour.

22 CAPTAIN HAYES: Within a one half gallon per
23 hour over 168 hours.

24 MR. KAWAOKA: For the release detection, you
25 said there is going to be several methods being looked

1 at?

2 MR. MANDREDI: Three different vendors that
3 we're looking at.

4 MR. KAWAOKA: Each with different
5 methodologies?

6 MR. MANFREDI: Essentially the same technology
7 but different applications. Each of them are mass-based
8 systems.

9 MR. LINDER: Different software, different set
10 up on the equipment, mass-based measurement. But each
11 of the vendors does it differently. And they have
12 different claims in terms of their accuracy.

13 MR. MANFREDI: But none of these systems have
14 been tested in tank size capacity of Red Hill. And so
15 the intent is we bring these three vendors out. The
16 test should be run between January and March.

17 Essentially, we're on a leak detection test
18 where you draw off and measure a normal amount of fluid
19 from the tank and see how these systems performed.

20 MR. MONTGOMERY: There is a national working
21 group that normally certifies tanks of smaller sizes but
22 they have never done it for Red Hill specifically, at
23 least (inaudible) which is why the Navy has been working
24 with regulators to actually develop specific protocols
25 that will be tested for all three of them

1 simultaneously.

2 MR. MANFREDI: So at the end of the day, what
3 this will provide us is what we do on an annual basis,
4 the tank tightness test, we can install that apparatus
5 permanently and do it on a more frequent basis.

6 MR. KAWAOKA: So the schedule to choose that
7 one contractor would be when about?

8 MR. MANDREDI: Well, we'll have interim
9 results once tests are complete in about March of next
10 year. The report is due to us in July. And then this
11 will all feed into the eventual TUA decision as to which
12 apparatus we'll select.

13 MR. KAWAOKA: So this will be inputted into
14 the TUA decision process.

15 MR. MANDREDI: Yes.

16 What it will tell us is that for each of these
17 three systems what their actual capability is within the
18 Red Hill system. And then we'll have that known
19 quantity, and that will form into a TUA decision.

20 The actual -- it's going to depend on the test
21 results -- but the actual system that we end up
22 procuring and installing, that will go through the
23 normal acquisition process.

24 MR. LAU: For the system, is the goal to try
25 to detect -- and if I understand John correctly, your

1 detection limits are one-half gallon per hour, can they
2 detect any lower than that?

3 MR. MONTGOMERY: We'll find out.

4 MR. LINDER: What is also important is the
5 frequency of the tests.

6 So, currently, they do one annual precision
7 test once a year. And along with that, they have an
8 inventory system that is not really designed to be a
9 precision leak detection. But they do monitor inventory
10 fuel levels in the tanks fairly continuously through
11 that control room.

12 And I think what we're looking at is the
13 ability to essentially run precision tests fairly
14 frequently with currently-installed equipment in the
15 tanks. That would then bound any potential loss that
16 you have. If you have a leak develop and you wait a
17 year to find it, you have a lot of fuel loss but if it's
18 a few weeks between tests...

19 MR. LAU: Half a gallon an hour over a year is
20 like 4300 gallons per tank, and so you are trying to get
21 even more precise in the detection and do it more
22 frequently? You can't say continuously but more
23 frequently?

24 MR. FLOYD: With the current-installed system,
25 we would increase the frequency of the tests. So one of

1 the limiting points of our current method of testing is
2 a spot time test.

3 MR. LAU: Once a year?

4 MR. FLOYD: Once a year.

5 MR. LAU: And the inventory control system is
6 not a leak detection system?

7 MR. FLOYD: No, it's not. But passively we
8 are able to detect leaks or migrations of fuel through
9 the inventory control system.

10 MR. LAU: Was the inventory control system the
11 indicator that indicated the January of 2014 leak of
12 27,000 gallons?

13 MR. FLOYD: Yes, so it detected it.

14 MR. LAU: But if it's a smaller leak, you
15 wouldn't be able to detect it?

16 MR. FLOYD: So, we back it up with our
17 inventory monitoring system, the electronic gauging.

18 And also we do manual gauging, so we do a
19 trend analysis over time. And that allows us to detect
20 smaller leaks.

21 MR. LAU: How often is that done?

22 MR. FLOYD: Weekly, or in the event that we
23 get an alarm or we have an anomaly, they will do what I
24 would call enhanced trend analysis and then we're
25 monitoring every six hours.

1 MR. LAU: But you are still limited to a half
2 gallon per hour?

3 MR. FLOYD: No, not with our inventory trend
4 analysis, no. With our monitoring equipment -- the half
5 gallon per hour, that is I believe your requirement, the
6 EPA's requirement of the minimum detectable leak rate.

7 Our measuring system, we can detect movements
8 one-half inch of fuel where our alarms will sound. It
9 is about 1900 gallons.

10 MR. LAU: So across a hundred-foot diameter
11 tank, 1900 gallons is a half inch?

12 MR. FLOYD: Yes.

13 MR. LAU: It's a drop of a half an inch in
14 fuel level?

15 MR. FLOYD: It will sound an alarm.

16 MR. LAU: That is at a release of
17 1900 gallons?

18 MR. FLOYD: Yes. However, the fidelity of the
19 measuring instrument is actually one-sixteenth of an
20 inch, so we track it in increments of over one-sixteenth
21 of an inch.

22 MR. LAU: In the January 2014 release, how
23 many inches did it drop?

24 MR. FLOYD: I do not have that data currently
25 with me. But we do know that we received alarms, and

1 the alarm response protocol was not correct and we made
2 adjustments since 2014.

3 CAPTAIN HAYES: That's all been previously
4 addressed in Section 2 of the report that have been
5 submitted and reviewed by the State -- Section 4 and
6 reviewed by the State Board of Water Supply and we
7 received comments.

8 And so I don't think we have shyed away from
9 Hey, the system did work and the system did alarm.
10 However, those alarms were ignored. The protocol was
11 not followed.

12 And as part of Section 2, we had new
13 procedures that are implemented by FLC and how they are
14 monitoring and responding to those alarms, as well as
15 refilling procedures and how it will go through a much
16 more methodical refill.

17 MR. FLOYD: I'm sorry, sir. That was actually
18 Section 4, I think the title of the report was "Current
19 Release Detection Systems."

20 MR. LAU: Thank you.

21 CAPTAIN HAYES: AOC Section 5, Corrosion and
22 Metal Fatigue Practices.

23 Since the last update, our Destructive Testing
24 Statement of Work has been approved. We have commenced
25 scanning of tanks 14 and 17. And then we submitted our

1 Non-destructive Evaluation Plan for regulatory review.

2 Current and upcoming, we have a review of the
3 preliminary NDE or Non-destructive Evaluation Report for
4 ongoing tank inspections with the regulators.

5 We'll do a Destructive Testing Coupon
6 Selection with EPA and DOH. And then we'll remove
7 coupons from the tanks and test them and then submit our
8 final report in July of 2019.

9 So those testing coupon selection will be
10 based upon the test results for tanks 17 and 13 -- 14,
11 excuse me, for tanks 14 and 17.

12 And once we get those inspection results,
13 we'll submit them and work with the EPA and DOH to
14 identify areas within the tanks to select the coupons
15 from for further investigation.

16 MR. LAU: Would it be possible to have the AOC
17 subject matter expert to be present when the destructive
18 testing was occurring or inspect the coupons once they
19 are removed?

20 CAPTAIN HAYES: Certainly, once the coupons
21 are removed -- I would have to make sure that if anybody
22 is in the tank at the time that the coupons are being
23 removed -- there are safety considerations.

24 MR. LAU: I understand.

25 CAPTAIN HAYES: So I wouldn't want to have a

1 large audience in there. But, certainly, as part of the
2 AOC, everyone would have an opportunity to see that
3 coupon.

4 MR. LAU: I assume that the coupons go out
5 through that ten-foot opening.

6 MR. MANDREDI: It's the only way.

7 MR. LAU: So we would be able to be there when
8 the coupon actually comes out of the tank, would we be
9 able to inspect it?

10 CAPTAIN HAYES: We will make sure you have...

11 MR. KAWAOKA: For some of the members of the
12 audience who may not understand what destructive and
13 nondestructive testing is, you want to speak to that,
14 kind of describe what this is?

15 CAPTAIN HAYES: So currently with the
16 nondestructive, the contractor uses a low frequency of
17 electromagnetic testing which he'll scan over every
18 square inch of that tank. And that gives him some data
19 which he's able to go back and analyze. And that scan
20 will detect any anomaly or thinness in the walls.

21 The contractor, as a secondary procedure, will
22 then go in areas that are identified as a concern and
23 will go in and retest those with another ultrasonic test
24 just to validate what the previous test had indicated.

25 And then we'll take all of those results and

1 we'll sit down with a regulator and AOC party and SME
2 and identify areas of concern. They will then go in and
3 destructively cut a coupon, a section of that tank wall
4 out, pull that out from the tank, and let the Board of
5 Water Supply see it as soon as it comes out. And then
6 we'll send that tank section off for further testing.

7 So that's the difference between -- the
8 non-destructive is more of a -- it doesn't destruct the
9 tanks, using electromagnetic and destructive portion
10 actually removing a section for testing.

11 MR. LAU: Captain, is that plan on more than
12 one, and on how many locations for the destructive
13 testing?

14 MR. MANDREDI: Right now, Ernie, we're looking
15 at just one tank. It's going to be dependent on what
16 the test results are from all of scanning, whether we
17 need to go into another tank or not.

18 We're looking at nominally 12 locations, 12
19 coupons. But that, too, will be dependent on what the
20 scanning results tell us, whether we need to take more
21 or less. I think we're looking at 12 one-square-foot
22 coupons.

23 MR. LINDER: The EPA and DOH are hiring
24 experts to look very carefully at the precise procedures
25 that the Navy and their consultants are using to

1 understand how this data is collected and make sure that
2 we're comfortable with the scanning process.

3 And then we're going to want to look
4 independently at the scanning data to give essentially
5 our guidance on what is appropriate in terms of size and
6 location.

7 And I think you know there is opportunity for
8 you all to participate in parts of that; however, there
9 are some aspects of it that are --

10 MR. MANFREDI: It's procurement sensitive and
11 the issue boils down to is all of the test data that is
12 collected from the scanning is procurement sensitive
13 because that same data will be used to negotiate which
14 repairs get accomplished.

15 And so it's all part of the ongoing
16 contracting process.

17 MR. LAU: We're fine with just whatever you
18 can share with us that is public information.

19 MR. MANFREDI: Sure.

20 MR. LAU: We're not going to sign any
21 nondisclosure agreement to maintain transparency for our
22 community. We encourage greater transparency in this
23 process, of course, because this is a very important
24 project for our community.

25 MR. MANFREDI: We recognize that and we looked

1 at this from every conceivable angle, and that is
2 essentially what it boils down to.

3 MR. LAU: Thank you.

4 CAPTAIN HAYES: Next is Section 6 and 7. And
5 this is an area where we have done considerable work
6 since the last update.

7 Since then, we have the Work Plan that had
8 been approved. As previously mentioned, we have a
9 Groundwater Modeling Working Group that has been
10 established and meets frequently with various regulators
11 and subject matter experts to include the Board of Water
12 Supply, the USDS, DLNR, and the Water Resource
13 Management Team.

14 We added hydrologist specialists to our
15 environmental team. With them, we've been able to
16 accelerate our environmental efforts, installing
17 additional wells, doing biodegradation testing, seismic
18 and geophysic logging.

19 We submitted nine derivative deliverable
20 reports. And basically those reports, because it's such
21 an all-encompassing section, we broke them down into
22 chapters of the Groundwater Modeling Plan, so it would
23 be easier for the team to review and provide comment
24 back on.

25 Since the last update, we have installed two

1 new monitoring wells. We have begun a synoptic
2 groundwater level monitoring study, and we have
3 conducted split groundwater sampling testing with EPA
4 and DOH.

5 Upcoming, following this meeting for the rest
6 of the week, we'll have the groundwater modeling and the
7 working group will meet and continue going over our
8 progress.

9 We have a couple of other plans that are due:
10 A Sentinel Well Network Development Plan, a Risk-based
11 Decision Criteria Development Plan. And we'll also go
12 through some Interim Modeling Reports that will be used
13 to ultimately form our Tank Upgrade Alternative
14 decision.

15 That will involve installation of additional
16 monitoring wells, we're currently looking at four
17 additional; conducting a seismic survey, doing our
18 biodegradation analysis, as well as the capture zone
19 analysis beneath the Red Hill facility.

20 And we also will submit our Ground Water Flow
21 Model report, Contaminate Fate and Transport Report, and
22 then there's a final Ground Monitoring Well Network
23 Report.

24 So the two figures off to the side, some of
25 the analysis that is ongoing -- the top figures are

1 various slices, if you will, through the Red Hill
2 facility using known data from either geological
3 borings, from monitoring wells or bore results when
4 drilling those wells.

5 And we're trying to determine the various
6 subsurface geology in and around the tanks that will be
7 used to form our ground water modeling model.

8 And then the bottom one is just a different
9 view of one of those slices, kind of looking at those
10 geological formations in and around the tanks.

11 Next slide. This is an overview of kind of
12 where we stand with our monitoring wells. I mentioned
13 that we have some seismic testing ongoing. And right
14 now, the blue dots, we have eleven monitoring wells that
15 are installed.

16 And we're working on completing No. 11 now,
17 the Red Hill Monitoring Well 11, which is on the prison
18 site. And then we also have -- you see the purple dots,
19 other areas that are identified for the installation of
20 additional monitoring wells. Those are all off of Navy
21 property with the exception of -- to the bottom, you
22 see, No. 15, and No. 19.

23 And so, before we can proceed with installing
24 those wells, we need to execute real estate agreements
25 with various entities, some of those are the City and

1 County and Board of Water Supply of year 17 and 18 on
2 the upper part of this attachment.

3 Well 16 and we got four identified options and
4 that is in the quarry site. And I'm not sure if we're
5 going to be able to get approval through the quarry
6 operator to install those wells due to their operations
7 in that quarry.

8 We do have Red Hill Monitoring Well No. 12
9 which is the City and County or prison.

10 DOT, that's Queen Emma land and so we're in
11 discussions with them for access to that parcel to be
12 able to install.

13 And also identified on here, you see yellow
14 lines identified as "Transect." So those are when the
15 contractor will go out with some seismic apparatus and
16 will conduct seismic testing, basically drop a weight on
17 a metal plate as they slide across that transect.

18 And with that, we will be able to get
19 subsurface information and data that will then be used
20 for feedback. As you recall, the previous figures that
21 I showed, kind of showed what the geology is beneath the
22 ground.

23 Question.

24 MR. SINGDA: This is John Singda from Intera.
25 I wanted to point out, I think it's a very good thing to

1 have the monitoring wells coming on line in Halawa
2 Valley because that is the area that the Board of Water
3 Supply is curious about.

4 And I'm just wondering since the last update,
5 what does the Navy now understand about the direction
6 and the ground water flow since the last update?

7 MR. MANFREDI: Well, that is still a work in
8 progress, we're still collecting the data. Probably the
9 most substantial piece of information that we have is
10 through the geology that we have seen from our new
11 Monitoring Well 11.

12 We have got indications of saprolite extending
13 to about 80 feet below the water surface, which is at
14 least a data point that would indicate that we have some
15 barrier there in the South Halawa Valley that would
16 restrict flow from the Red Hill side towards Halawa
17 Shaft. That is probably the single biggest piece of
18 information that we have been able to glean since we
19 last talked.

20 MR. SINGDA: Again, given the upcoming TUA
21 selection decision, the information that you have now is
22 going into a model that I saw on the earlier (inaudible)
23 model. And I guess how is the Navy dealing with the
24 uncertainty about which way ground water is flowing and
25 its rate between Red Hill and the Halawa tract going to

1 be treated when you're making your decision?

2 CAPTAIN HAYES: So I think it's important to
3 note that is not a one-time milestone TUA decision that
4 is upcoming.

5 The AOC incorporates five years -- every five
6 years, we'll look at that. Certainly, we'll take all of
7 the best available data that we're able to get before a
8 TUA decision process. But we'll continue this effort of
9 increasing our monitoring wells and our gathering data.

10 As we go through the life of the AOC, that
11 data will all be fed in to improve our understanding of
12 the subsurface, events that are occurring, how that
13 ground water is moving.

14 As we go through and make alternatives, we owe
15 it to the AOC to continuously review those tank upgrade
16 alternatives and make sure and incorporate the best
17 available and practical technology.

18 And so we're not limited by the technology
19 that we know today. Five years or ten years down the
20 line, there could be either new data that is present or
21 new technology that comes on line. And I think the AOC
22 was drafted with the intention of being able to
23 incorporate that.

24 And so we're taking a very aggressive stance,
25 I know you have been involved with our working group

1 meetings. And I'm sure you will be participating in the
2 rest of the week, but we're taking an aggressive stand
3 to give us as much data as we can. That is why we
4 brought on the hydrologist earlier this year to give us
5 the best understanding as we can at this time.

6 But as Mark has indicated, Monitoring Well 11
7 did give us some indication of a potential barrier that
8 exists at least in that location. But it was consistent
9 with the Halawa and the deep monitoring well, at least
10 the geology that we saw between those two locations.
11 And as we continue to take the monitoring wells and the
12 geological borings, that data will be fed into our
13 model.

14 The last section, Section 8, this is a
15 Quantitate Risk/Vulnerability Assessment. Since the
16 last update, the Statement of Work for this section was
17 approved. Phase 1, the QRVA, the Quantitative Risk
18 Vulnerability Assessment, that contract was awarded and
19 that section or phase will focus on the internal events,
20 i.e. equipment failure, or human error.

21 Current and upcoming, we'll have a technical
22 review and status update for the QRVA. We'll do an
23 interim qualitative assessment of empirical data that is
24 available, we'll complete that Phase I, and we'll move
25 on to subsequent phases.

1 Phase 2 will be an internal and external fire
2 and flood analysis. Phase 3 would be a seismic analysis
3 and then Phase 4 would be other or additional external
4 events such as storm, chemical spills, airplane crash in
5 or around the site.

6 That wraps up each of the sections of the AOC.
7 And so before moving on to the TUA Decision Process
8 timeline, I just want to stop and see if there are any
9 questions on any of those sections that I covered.

10 MR. TRACY: Joseph Tracy of Intera.

11 Do you mind going back a couple of slides, I
12 thought I could read this but I can't (inaudible),
13 geologic -- one more back.

14 Can you please read what those colors are
15 indicating on the top right?

16 MR. MANFREDI: We're working top to bottom, I
17 think it's alluvium, saprolite, basalt.

18 MR. FLOYD: And (inaudible) and pahoehoe.

19 MR. MANFREDI: Okay, thank you.

20 MR. TRACY: So the water is blue?

21 MR. MANFREDI: No, it's not water.

22 CAPTAIN HAYES: We can provide during the work
23 group meetings with a much larger picture of that.

24 MR. TRACY: Thank you.

25 MR. LAU: I did have a question, Captain, as

1 you mentioned earlier about the procurement sensitivity
2 for the test results for the destructive testing when
3 (inaudible).

4 When you move a coupon, you are basically
5 moving a steel plate and you are looking for how rusty
6 it is especially on the outside of the tank or outside
7 of the wall -- steel plate because you can't see it from
8 the outside. And you are using nondestructive methods
9 to indirectly tell you how much corrosion is happening
10 or how much rust is on the outside. How is that
11 procurement sensitive?

12 CAPTAIN HAYES: The actual reviewing of the
13 coupon, that is procurement sensitive.

14 MR. LAU: So we'll be able to see the coupon?

15 MR. MANFREDI: Yes.

16 MR. LAU: Without signing a nondisclosure --

17 CAPTAIN HAYES: Correct. Yes, the
18 nondisclosure -- certainly, we're stewards of the
19 taxpayers dollars.

20 MR. LAU: Yes, we are.

21 CAPTAIN HAYES: So we deal a lot with
22 contractors and the contractors have proprietary means
23 and methods in which they do the work.

24 And so for that Section 5, a lot of that was
25 proprietary and the contractor that is doing the work

1 does not want his means and methods being put out there
2 so his competitor can be competition against him the
3 next time they do the work.

4 So there were sections there that were
5 redacted because those were proprietary to that
6 contractor.

7 As we move forward with the tank upgrade
8 alternatives, there will certainly be sections that
9 cover cost estimating and work to be done. For those
10 entities that don't want to sign a nondisclosure
11 agreement, I won't be able to share those cost estimates
12 with you at risk that they become available to the
13 public and then contractor bids all happen to come in
14 with that same number.

15 I would like to go back to the bidding
16 procedure and get a fair price from a competitive
17 bidding environment. So that is why some of the items
18 we call procurement sensitive as being mindful of the
19 future procurement procedures that we have to follow to
20 get a contractor on board. And I want to make sure that
21 is fair and the government and taxpayers get the best
22 price possible.

23 And so that's why we're asking you or asking
24 the entities to sign nondisclosure agreements looking
25 for that procurement sensitive contracting that will be

1 upcoming.

2 The coupons, once they are out --

3 MR. LAU: -- they are not sensitive.

4 CAPTAIN HAYES: Those aren't sensitive.

5 The means and method to review them or to
6 extract them may be if the contractor doing it says, I
7 have a proprietary means of removing it.

8 MR. LAU: Like using a torch and cutting it
9 out.

10 CAPTAIN HAYES: That wouldn't be proprietary,
11 it would be if you had some testing apparatus.

12 MR. LAU: But the idea is not all of Section 5
13 will be proprietary.

14 MR. MANDREDI: Right now, the biggest concern
15 is the scanned data, itself.

16 MR. LAU: But the actual condition of the
17 steel plate on the outside?

18 MR. MANFREDI: It is what it is. And then the
19 results of the constructive testing is compared to what
20 the scans showed to what is actually revealed or
21 measured on the tank. That, too, would not be
22 proprietary.

23 MR. LAU: I appreciate that. I'm looking
24 forward to my invitation.

25 MR. LINDER: To also further clarify, the

1 technical documents like the methods that are used to
2 scan, the detailed technical documents are being
3 provided to the regulatory agencies, the two versions,
4 unredacted and redacted version. The redacted version
5 has the information that the Navy has identified as
6 procurement sensitive information.

7 And the redacted version basically is blacked
8 out.

9 MR. LAU: If I could simply request that the
10 regulators of the EPA and Department of Health to look
11 carefully at what is considered procurement sensitive
12 or, otherwise, to allow just only that (inaudible) that
13 fall into that category.

14 So depending on the regulators of EPA and
15 Department of Health to help produce public transparency
16 for this important issue for our community,
17 understanding the requirements of the Navy.

18 But EPA and DOH, that is your kuleana for us.
19 Thank you.

20 MR. EISELSTEIN: Larry Eiselstein for
21 Exponent, I think following along those lines of what
22 might be considered proprietary and not proprietary, one
23 of the important aspects of that methodology is to
24 validate the integrity of a tank to be able to go
25 forward for another 20 years or for another inspection

1 is the accuracy of that inspection.

2 And I can't think that the probability of that
3 detection would be considered proprietary. Now how you
4 get to that probability of detection, I think you could
5 argue would be proprietary to the company. But I would
6 think that the actual values with 95 percent
7 reliability, we can detect laws of a certain size.

8 And so I don't know if you can respond now,
9 but I would think that you ought to be able to provide
10 probability of detection for the various methods that
11 are used to inspect the tank without providing anything
12 confidential.

13 MR. MANFREDI: So I mentioned to Ernie, yes,
14 to answer your question, the short answer is: Yes,
15 whatever the test results are or whatever the outcome is
16 of Section 5 of the NDE analysis, that will certainly be
17 made available.

18 SENATOR GABBARD: What process is the Navy
19 planning to use to stay on schedule with the completion
20 and implementation of the AOC work plans?

21 CAPTAIN HAYES: I think the process is just
22 the AOC has been spelled out as (inaudible) deadlines
23 for each of the sections, and deliverables. In addition
24 to this update, we have very recurring meetings, that
25 would be EPA and DOH to keep us on that timeline.

1 I don't know that there is any other process
2 other than following the requirements that are spelled
3 out for the AOC and being very mindful of those tasks
4 that are due and making sure that I've got the right
5 resources applied to keep us on schedule.

6 MR. MANFREDI: I would only add to that, sir,
7 we talk with the EPA. We have weekly project
8 coordinator meetings. And so we do keep a pretty
9 tight -- lines of communication are open.

10 And so if there are any issues or any hiccups
11 or any potential delays, those are discussed, and we
12 work from there.

13 CAPTAIN HAYES: We have those discussions
14 across the spectrum at the working level and at my
15 level, and with EPA and DOH and also Dr. (inaudible) and
16 Mr. Jeff Scott, I would say at the senior executive
17 level, to make sure if there are any issues or obstacles
18 that occur amongst the parties, we're able to quickly
19 come to a resolution and then move on.

20 SENATOR GABBARD: I know I missed some tank
21 upgrade alternatives, you are still on line for the
22 December 8th deadline?

23 CAPTAIN HAYES: We're on line for the December
24 8th deadline. However, sir, when I briefed that, I just
25 want to be clear, that report that is due will be a

1 report and kind of a programmatic-level engineering
2 analysis of the six-tank upgrade alternatives.

3 That report will not be, at this time, a
4 decision from the Navy on which alternatives will be put
5 forward.

6 SENATOR GABBARD: No recommendation?

7 CAPTAIN HAYES: There will be no
8 recommendation.

9 SENATOR GABBARD: Are you leaning towards one,
10 just curious? (inaudible)

11 CAPTAIN HAYES: No, we are trying to be open
12 to the whole process and scientific data and the
13 discussion that will occur after we submit that report.
14 As we talked about there is -- we are getting ready to
15 get into that section, but there will be a public
16 outreach meeting. And we'll certainly be meeting with
17 the regulators and subject matter experts that will
18 provide us comments.

19 But this report on December 8th, I think we
20 may have -- maybe last year during the testimony to the
21 State legislature indicated that the TUA report, it is a
22 report on the tank upgrade alternatives but it is not
23 the decision document for the recommendation.

24 MS. FAIGE: May I ask a question?

25 Will the TUA report discuss the expected life

1 expectancy of each option as the Navy has stated how
2 long it would like to (inaudible)?

3 MR. MANFREDI: So the answer to that question
4 is it's an indefinite life. As long as we continue to
5 require petroleum products to operate ships and aircraft
6 and vehicles, we're going to need someplace to keep it
7 and to keep it (inaudible) accessible and safe and
8 secure, et cetera.

9 So, yeah, the way the industry does their
10 tanks, it's not a definitive end state for the life
11 cycle of the tank but what do you need to do to keep it
12 running in perpetuity.

13 MS. FAIGE: Will that be discussed, each
14 option?

15 CAPTAIN HAYES: It will be weighed against the
16 18 attributes, each alternative will be reviewed against
17 either a constructable or testable -- Am I going to be
18 able to get in there and inspect it and get back in to
19 repair it. Does it protect -- to which degree it
20 protects the environment. Does it provide secondary
21 containment or not?

22 So each alternative will be kind of weighed
23 against those 18 various attributes which will then --
24 hopefully, we'll select an alternative that allows the
25 Navy to continue to inspect, prepare and modernize

1 throughout the need for the facility.

2 MR. MONTGOMERY: The rating for each one is
3 consistent. So for the shelf life of the TUA, it's 40
4 years and 20 years for (inaudible).

5 But they are going to be rated equally, it's
6 not going to be one (inaudible) and how much less will
7 it last.

8 CAPTAIN HAYES: So right now we're putting the
9 tanks through I mentioned the API 653 certification
10 which gives us a 20-year life cycle or 20-year
11 certification to operate. And we want to make sure that
12 whatever tank upgrade that is selected, we can still do
13 that inspection to get that certification of the tank
14 extended for its life.

15 MR. MANFREDI: So it doesn't mean -- the
16 testing procedures, the API 653, it's a 20-year life
17 cycle. It doesn't mean that the tanks will fall apart
18 in 21 years. There is a huge factor of safety that is
19 built into these requirements so you would never reach a
20 point where you will get a deterioration of the tank
21 within that 20-year cycle.

22 MS. ICHIYAMA: I have a question about
23 (inaudible) going on at the same time. For example, the
24 destructive testing, what is going to happen after the
25 TUA report comes out? So how are you going to factor in

1 the (inaudible) testing alternative?

2 What if you find out, you take out the square
3 from the tank and you are like options 1, 2, 3 are out
4 because of the condition of the steel. (inaudible)
5 What will you do then?

6 CAPTAIN HAYES: Certainly, we'll take the
7 initial TUA decision, we're going to take all of the
8 best available data that we have.

9 And as I mentioned previously, that is not a
10 one-time decision snapshot. As we continue to get data,
11 if something comes in and finds that the decision we
12 made didn't completely factor some data, we'll certainly
13 reevaluate that. But to say we want to get to a point
14 that we were able to get an initial tank upgrade
15 alternative selected without the AOC process or public
16 would allow me to say, hey, I need to continue getting
17 every piece of data available (inaudible) before making
18 a decision.

19 We want to take the best scientific data that
20 we have and make the best decision at that time. But
21 then if the AOC does not allow for a process to
22 reevaluate that TUA decision...

23 MS. ICHIYAMA: That would be five years later,
24 right? (inaudible).

25 CAPTAIN HAYES: Certainly, if something came

1 in that is very eye opening and showed we had made or
2 misunderstood a decision, we'll not wait for that five
3 years to reevaluate. I don't think the regulators would
4 allow us to ignore that data for five years.

5 MR. LINDER: I can tell you from the EPA
6 perspective, the Navy is required to come up with a
7 proposed (inaudible) if DOH will accept it or reject it.

8 In order for a decision to be acceptable to
9 us, it has to be structured in a way that takes into
10 account certainty in a (inaudible) manner and also has
11 contingencies built into it. And so, for example, if
12 data comes back from destructive testing to say that
13 nondestructive testing does not work very well; we
14 assumed that it did, but it didn't, that would be a game
15 changer in terms of what the right answer is for a tank
16 upgrade.

17 And I think you also need to keep in mind that
18 once the decision is made it takes years before that
19 upgrade is actually constructed and done. Several
20 years.

21 The contracting process takes months before
22 you actually get a contractor to be able to start doing
23 work.

24 And so there is going to be opportunity to
25 structure the decision in a way to build in appropriate

1 contingencies and address uncertainty.

2 MS. ICHIYAMA: So my comment, I don't want to
3 get stuck in a loop or like do the testing -- or are we
4 putting the cart before the horse by doing alternatives
5 and then doing testing? And then we'll have to come up
6 with more alternatives and more testing comes and more
7 alternatives, you see what I mean?

8 CAPTAIN HAYES: I don't think we'll come up
9 with more alternatives.

10 The decision -- this report that comes out is
11 not going to be something that I can take and put on the
12 street to award a contract. As Steve mentioned, I'll
13 have to get it to an architect or engineering firm to
14 design it. It takes generally 12 to 18 months to put a
15 contract out to bid.

16 And so if during that time, something else
17 came in that was drastically changed, assuming it
18 doesn't change the TUA decision, we would still have an
19 opportunity to change that contract design to
20 incorporate, or beef up, or add in different measures as
21 we're proceeding towards a construction contract award.

22 MS. ICHIYAMA: One more follow up on the 18
23 factors. Is cost one of those factors?

24 CAPTAIN HAYES: Yes.

25 MS. ICHIYAMA: Will you be able to share

1 estimates in light of what you shared about the
2 procurement?

3 CAPTAIN HAYES: We can share -- the federal
4 acquisition regulations allow me to share cost estimates
5 within ranges. And so I can say this construction
6 contract will be between 10 and 20 million. And this
7 one will be between 20 and 50 million. I don't know
8 exactly the ranges, but I'll be able to share those
9 ranges.

10 But because of the sensitivity and not wanting
11 to give exactly what the government's estimate is to the
12 bidders, I won't be able to give you a close dollar
13 amount. But it will be in the ranges.

14 MS. ICHIYAMA: Will that be in the December
15 report?

16 MR. MANFREDI: No. The December report will
17 have -- that information because it's finite, it will be
18 redacted. But we'll be able to say publicly what the
19 ranges are in orders of magnitude.

20 CAPTAIN HAYES: What we do with public
21 outreach after the report, we'll have it broken down
22 into different ranges. We may need to look at -- you
23 can look at within the report the section that says each
24 TUA is within the range that is allowed within the
25 federal acquisition regulations.

1 MS. ICHIYAMA: I think that would be good to
2 know, the ranges.

3 MR. LAU: If I can follow up on a response,
4 (inaudible) you refer to the Red Hill Bulk Fuel Storage
5 Tank Upgrade Alternative decision process, there
6 actually is a list on there, I think it looks like 20
7 attributes instead of 18. It does include Item 20, Tank
8 Upgrade Construction Cost Estimate.

9 So this document is on the EPA's website and
10 it is available to take public comment right now?

11 MR. MANFREDI: So Ernie, just real quick, it
12 was 21 attributes. Since our last go-around with the
13 contractor, it's down to 18, some of them were
14 consolidated.

15 MR. LAU: Will the decision document on the
16 website be updated?

17 MR. MANFREDI: Yes, we can do that. But in a
18 couple of weeks, you will have the full-blown report
19 that will have the attributes.

20 MR. LINDER: The decision process, we haven't
21 provided that on our website at this point (inaudible).

22 MR. FLOYD: So, I wouldn't necessarily call
23 this document the final decision process. It would
24 probably evolve further before we get to the decision
25 process.

1 MR. LAU: Will it continue to be -- because I
2 look on the footnote of the first page (reading
3 document.) It doesn't give a deadline.

4 Will that continue to be circulated for public
5 comment?

6 MR. LINDER: I say, yes, and as was mentioned
7 earlier in the discussion, we're going to get the TUA
8 report, we're going to be getting some other additional
9 reports.

10 Our plan right now is to have a public
11 information workshop to discuss these reports and answer
12 people's questions about these reports including this
13 proposed decision process probably sometime in February
14 or March of 2018 before we get into the decision
15 deliberations with the Navy.

16 And then once they come out with their
17 proposed decision, the regulatory agencies intend to
18 have another public meeting that would be more of a
19 traditional public hearing to take people's input on
20 what the Navy is proposing and what our response should
21 be to that proposal.

22 MR. LAU: I guess if I could just make a
23 simple request, it's very difficult to comment on a
24 document that is in a continuous state of change.

25 So if you have a public meeting coming up at

1 the end of January or early February and this decision
2 process document that's currently available for public
3 comment goes through different changes or revisions, how
4 does the public know what is the latest version of this
5 document on the website?

6 CAPTAIN HAYES: I don't know that the public
7 meeting is intended to comment on that decision process
8 as much as it is to look at the TUA report and TUA
9 alternatives and those attributes that were identified
10 in the report.

11 MR. LAU: So kind of help me to understand, I
12 guess, how this decision process document that is out
13 there right now gets to the timeline there?

14 MR. MANFREDI: I guess I don't follow your
15 question.

16 The decision process, this outline that we
17 have up here is essentially the process, this document
18 in schematic form.

19 MR. LAU: So that schematic on the Power Point
20 is the same as what is described in this draft decision
21 process document that is currently on the EPA's website?

22 CAPTAIN HAYES: Yes, that was the intent. And
23 now that you got it there before you, we'll run through
24 the test to see if it matches. (inaudible)

25 It's our intent to submit that report on the

1 8th of December. And we'll get that to the regulatory
2 agency for review, and we'll post it on the website for
3 review by all.

4 And I'm sure if there is any initial comments,
5 we'll provide feedback and we'll provide that update
6 before scheduling and calling a public outreach meeting
7 and to gather comments as well.

8 At the same time, we're still collecting data
9 from all of the sections -- the nondestructive testing
10 and Section 6 and 7 -- all of the data that we can get
11 to make an informed decision. And sometime in that
12 March timeframe, we'll be holding decision meetings with
13 the regulators and subject matter experts. And that is
14 due 60 days after the TUA report is approved by the
15 regulatory agencies.

16 Senator, back to your question about the
17 process, the AOC already has -- We did not know the
18 exact dates, but we set milestones that they want
19 approval of these documents received 60 days after. So
20 within 60 days of getting approval of our TUA report, we
21 get out that decision or recommendation back to the
22 regulatory agencies.

23 They will then, in turn, as Mr. Linder
24 mentioned, hold another public comment period very
25 similar to that of an environmental impact statement,

1 add those comments in before they make their
2 recommendation or approval of our recommendation.

3 And then at that time, we'll go forward to
4 brief the -- the timeline of this also fits in kind of
5 what the budgetary timeline that will be required for us
6 to get these projects programmed and put in for eventual
7 execution.

8 MR. LINDER: I think one other thing to point
9 out is when we get to that point where we're entering
10 deliberation on the decision, we expect to have
11 additional information in front of us and not only this
12 tank upgrade study but the alternative location study
13 (inaudible).

14 There may be other pieces that are not
15 completely done or the destructive testing may not be
16 done yet. But there would be a lot of additional
17 information that we don't have yet at the time --
18 sometime in the February or March time frame of 2018.

19 MR. LAU: If I could just request to make
20 public outreach effective, the public needs to have
21 maybe something to review ahead of time, information
22 before them, so they come to the meeting more informed
23 and they can ask or formulate their questions prior to
24 the meeting.

25 And so if I could request if you are going to

1 discuss different sections to the AOC that you have some
2 publicly-available information that you identify to the
3 public in your outreach, so they can review that, and
4 that the format of the meeting to be used will be more
5 effective in soliciting input and allowing people to ask
6 questions. And I think the community would like to ask
7 questions but may not be given the opportunity to do
8 that given the format of these meetings.

9 So it's something to consider to make public
10 outreach effective.

11 MR. KAWAOKA: Okay, any other questions or
12 comments?

13 CAPTAIN HAYES: Just to wrap up, I want to
14 reassure that from all of the test results that we have
15 taken, the water is safe to drink. The Navy is
16 committed to ensuring that through this AOC process and
17 going into the future. We do that through our routine
18 water sampling and testing.

19 As indicated, the tanks most recently passed
20 their annual tank tightness testing. And the next
21 annual update is ongoing as we speak now. And all of
22 the tanks that have gone through this year's test have
23 passed and we will certainly have the final report of
24 that available to the public when completed.

25 We feel that the AOC process is working and it

1 holds the Navy and DLA accountable through public
2 outreach meetings or through update meetings such as
3 this.

4 And we have also met, Senator, to answer all
5 your questions, we have met or continue to meet all of
6 the deadlines specified by the AOC.

7 As I mentioned, we're not stopping our clean,
8 inspect and repair program as we wait for decisions to
9 be made through the AOC. So we're still continuing to
10 clean, inspect and repair a set of tanks right now.

11 And at some point in the future when a
12 decision is made, that process or procedure will be
13 folded into our inspection program.

14 And we're continuing to work on Tank #5. And
15 we know that we have made mistakes in the repair of
16 that. And we held that contractor accountable through
17 the warranty period. But we're now in that second full
18 inspection, and so I can provide with certainty that
19 tank is ready to return to service and scheduled in late
20 fall or early winter -- or late fall of 2018.

21 And as we previously mentioned, the TUA report
22 will be submitted on the 8th of December. And then we
23 expect that decision as it goes through the process,
24 through public comment and regulatory approval to be
25 made in the August timeframe of 2018.

1 So that concludes what I brought today unless
2 there is any further questions.

3 MR. KAWAOKA: Okay. Thank you, Captain Hayes.

4 Any questions from the committee?

5 MS. PERRY: We have a couple of committee
6 members that came in late.

7 MR. CHENET: Robert Chenet with the Department
8 of Land and Natural Resources.

9 MR. CASEY: Patrick Casey with the Commission
10 on Water Resource Management.

11 MR. ONOUE: Steve Onoue, Moanalua Valley
12 Community Association.

13 MR. KAWAOKA: By the way, these will be posted
14 on the website, too, as well as the minutes or the
15 recording.

16 Okay, I think there was a lot to throw at
17 everybody. I'm not involved day-to-day, but the ones
18 that are involved day-to-day are certainly into all of
19 this. But I think the question was raised earlier about
20 there is a lot going on and there is real complex work
21 that is going on. And great progress has been made I
22 think from the past year.

23 And the question that I want to pose to the
24 committee is: Is this forum a useful forum to discuss
25 field constructed tanks in general. You heard the

1 presentation from the Navy on the other tanks, the
2 non-Red Hill tanks, as well as Red Hill tanks.

3 Do you think this forum would be useful to
4 discuss Red Hill, which is primarily the focus of this.
5 But you can certainly have the field constructed tanks
6 portion. I'd guess the need to relate more on an
7 (inaudible) basis of what is going on since and what
8 progress or issues have been coming up and the focus on
9 Red Hill for this forum.

10 And I don't know if you recall last year that
11 we had this meeting and, shortly thereafter, we had a
12 public meeting. And so we're trying to increase the
13 outreach and the transparency and the ability of the
14 public to provide their input.

15 I'll just open it up to the committee, if you
16 think this forum is a useful forum to discuss Red Hill
17 matters on a technical and also on a public basis?

18 MR. LAU: Keith, thank you for the opportunity
19 in the agenda to bring up this discussion.

20 All right. There's a few things, I think this
21 committee should again -- and I may have said this last
22 year -- but I think the importance of this issue to the
23 community and to our island's drinking water requires
24 that this committee should meet more than once a year,
25 even quarterly to get some updates and be able to share

1 what is happening with the different projects, not only
2 Red Hill but the others locations, too.

3 It's an opportunity for the community to come
4 out if they would like to or our elected officials to be
5 present. And so I think it's a great way, but I would
6 recommend more than once-a-year meetings.

7 Also, I would like to request or suggest that
8 we should -- especially the facilities that even though
9 they are PLU or permanently out of use, if it happens to
10 be over a drinking water aquifer on Oahu, for example,
11 the Kipapa Gulch storage facility and Hickam Field
12 Annex, Waiakalau (phonetic) that it actually would be a
13 great opportunity to have the committee and anybody from
14 the public to actually go out and go on the ground and
15 see what this facility looks like and what is being done
16 to remediate or monitor the contamination (inaudible).

17 I'd also like to request that the committee
18 form the use as a way to -- once the TUA report comes
19 out or the TUA decision is made, I know that until the
20 National Defense Authorization Act for fiscal year 2017,
21 the committee and Armed Services and House of
22 Representatives that there is a briefing requirement
23 that the Captain mentioned earlier that is a briefing
24 between the Armed Services Committee and the House and
25 Congress be held within 30 days of the decision of the

1 TUA upgrade.

2 We'd also like to request that that same
3 briefing be given to this committee and to our elected
4 officials here in the State of Hawaii because it does
5 cover the different alternatives and specifically with
6 the issue of cost replacement or relocation.

7 And so these are all different factors that
8 Congress -- I guess the committee is asking -- because
9 they are also accountable to how taxpayer funds are used
10 to support our events.

11 So I would like the same briefing or form of
12 it. I'd like to request that be done for this
13 committee, of course, after the House gets their
14 briefing first.

15 MR. KAWAOKA: Comments?

16 CAPTAIN HAYES: Certainly, I'd want to do it
17 after. We could defer to Congress to get the first and
18 full -- you'd probably get me in the beginning. I
19 probably won't be able to get the Secretary for the Navy
20 but we'll try our best, we'll send out invites.

21 MR. ONOUE: When we have community meetings,
22 we need to have it as open and constructive so people
23 can voice their comments. I think the last one was
24 pretty good. We didn't have as much protest and people
25 kind of focused on exactly what was being done and where

1 they were at and what they can expect.

2 And I think that that is very constructive.

3 The other things that they had with some of the
4 committee meetings where they were all kind of issues
5 that were coming up and not really directed at Red Hill.
6 So I would like to keep that similar format that you had
7 and that was good and this is what we're doing. This is
8 what it is and have your experts here to explain to the
9 public what is being done and what they can expect.

10 The last one was pretty good. We didn't have
11 a lot of people talking about all kinds of other issues
12 that kind of didn't relate to the project. They have to
13 stay on point. Some of the comments that were received
14 earlier were kind of outside of the issues of the Red
15 Hill fuel tanks.

16 MR. LINDER: We got some mixed feedback. Some
17 people liked it; for some people, they kind of liked to
18 have a place to address the whole audience and hear each
19 other's comments so maybe a hybrid approach.

20 And the other thing was we had a problem with
21 the noise because there's a lot of people there, it got
22 noisy. But we'll see what we can do.

23 MR. KAWAOKA: Other than the Congressional and
24 the State representatives, you represent a significant
25 part of the neighborhood. And the rest of us work on

1 the project.

2 MR. ONOUE: The comments from the community
3 were that they got a better understanding of the
4 facility. I think that there are some community members
5 that would like to see the facility.

6 And I think if they were able to see the
7 facility in its entirety that they would understand the
8 magnitude of what you are talking about, it's not
9 something small like this, it's huge.

10 And there are a lot of things that the
11 community can get behind to help this process move along
12 with the understanding that you know it is a significant
13 asset for the islands. And it is something that is not
14 going to go away. And we have to do our part to help
15 everybody get in line so that they can work together to
16 make this happen. Whatever needs to be done, go through
17 the process, and get it done to ensure the safety of
18 everyone.

19 And then, of course, No. 1 is keeping the
20 water safe and keeping our national readiness for our
21 forces here in Hawaii. Those are all things that need
22 to be done to work in harmony. If the community can get
23 behind it and see what it is, they can understand it a
24 little bit better.

25 Certainly, when I went through that facility,

1 my understanding increased a lot in terms of what I saw
2 there. Before then, I wasn't sure what it was. But
3 that tank is huge. And if you have to inspect every
4 square inch, it's going to take a long time because it's
5 a big thing.

6 Why does it take so long to inspect the tank?
7 Why is the tank out so many years? How come they can't
8 get it done within two years? Is it possible?

9 So, you know, if they can understand that and
10 we focus on that portion, not so much just the bad stuff
11 but some of the good stuff that goes on, that is always
12 very helpful.

13 MR. KAWAOKA: Well, thank you for that.

14 I think as far as seeing the (inaudible)
15 working with the Navy, I'm sure they will accommodate
16 those kind of requests, as well as the Board of Water
17 Supply. So thank you for that.

18 And I would like to use this forum as sort of
19 a way to create awareness of transparency of what is
20 going on and better focusing in terms of what is the
21 progress going on or nonprogress going on; to be able to
22 see all of the work that is going on at any one time, I
23 think is complex but I think it is doable, and so I
24 think we'll try to work on that.

25 Any comments or questions from the audience?

1 CAPTAIN HAYES: I would just like to thank
2 everybody for coming today and I thank the committee
3 members.

4 The Navy, we certainly do take this seriously
5 and we welcome the transparency and the dialogue, and
6 certainly do not shy away from our responsibility or
7 being held accountable for fixing and upgrading the Red
8 Hill facility because it is a very important mission or
9 provides a very important work finding capability to our
10 national strategic defense.

11 So we look forward to continuing to work with
12 all parties and to do everything that we can to ensure
13 the continued safety in the environmental resources and
14 the drinking water that is out there.

15 And we thank you for the opportunity to come
16 today and provide this brief. And certainly if those
17 other outreach opportunities come up, we are willing to
18 provide those updates to the public as requested.

19 MR. KAWAOKA: With that, we stand adjourned.

20
21 (Whereupon, at 11:00 a.m., the proceedings were adjourned.)

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C E R T I F I C A T E

I, CAROL E.M. SUGIYAMA, C.S.R., for the State of Hawaii do hereby certify:

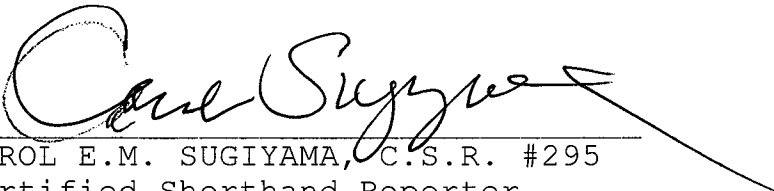
That I was acting as shorthand reporter in the foregoing matter on the 14th day of November, 2017;

That the proceedings were taken in machine shorthand by me, and were thereafter reduced to typewriting under my supervision.

That the foregoing represents, to the best of my ability, a correct transcript of the proceedings had in the foregoing matter;

I further certify that I am not counsel for any of the parties hereto, nor in any way interested in the outcome hereof, and I'm not related to any of the parties hereto.

Dated this 10th day of December, 2017 in Honolulu, Hawaii.


CAROL E.M. SUGIYAMA, C.S.R. #295
Certified Shorthand Reporter