



# Washington State Energy Facility Site Evaluation Council AGENDA

**MONTHLY MEETING**  
**Tuesday, November 24, 2015**  
**1:30 PM**

1300 S Evergreen Park Drive SW  
Olympia, WA 98504  
Hearing Room 206

- 1. Call to Order ..... Bill Lynch, EFSEC Chair
- 2. Roll Call ..... Tammy Mastro, EFSEC Staff
- 3. Proposed Agenda ..... Bill Lynch, EFSEC Chair
- 4. Minutes
  - Meeting Minutes..... Bill Lynch, EFSEC Chair
    - October 20, 2015
- 5. Projects
  - a. Kittitas Valley Wind Project
    - Operational Update..... Eric Melbardis, EDP Renewables
  - b. Wild Horse Wind Power Project
    - Operational Update..... Jennifer Diaz, Puget Sound Energy
  - c. Grays Harbor Energy Center
    - Operational Update..... Rich Downen, Grays Harbor Energy
  - d. Chehalis Generation Facility
    - Operational Update..... Mark Miller, Chehalis Generation Staff
  - e. Columbia Generating Station
    - Operational Update..... Shannon Khounnala, Energy Northwest
    - Draft Order 875 Minor Radiological Emissions License... Jim LaSpina, EFSEC Staff

*Staff will give a presentation and the Council may take **Final Action** on issuing Order 875 to address the potential for radiological emissions from restoration of a ditch associated with a closed wastewater treatment system.*
  - f. WNP - 1/4
    - Non-Operational Update..... Shannon Khounnala, Energy Northwest
  - g. Tesoro/Savage Vancouver Energy Distribution Terminal
    - Project Update..... Sonia Bumpus, EFSEC Staff
    - DEIS Update..... EFSEC, Cardno Staff
- 6. Other
  - a. EFSEC Council
    - Rules Update..... Jim LaSpina, EFSEC Staff
- 7. Adjourn ..... Bill Lynch, EFSEC Chair

**Note: "FINAL ACTION"** means a collective positive or negative decision, or an actual vote by a majority of the members of a governing body when sitting as a body or entity, upon a motion, proposal, resolution, order, or ordinance. RCW 42.30.02

WASHINGTON STATE  
 ENERGY FACILITY SITE EVALUATION COUNCIL  
 Richard Hemstad Building  
 1300 South Evergreen Park Drive Southwest  
 Conference Room 206  
 Olympia, Washington  
 October 20, 2015  
 1:30 p.m.

MONTHLY COUNCIL MEETING  
 Verbatim Transcript of Proceeding

REPORTED BY: ANITA W. SELF, RPR, CCR #3032

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APPEARANCES

Councilmembers Present:

Bill Lynch, Chair  
 Liz Green-Taylor, Department of Commerce  
 Cullen Stephenson, Department of Ecology  
 Dan Siemann, Natural Resources

Local Government and Optional State Agency:

Ken Stone, Department of Transportation  
 Greg Shafer, Clark County  
 Larry Paulson, Port of Vancouver  
 Brian Shodgrass (via the bridge line)

Assistant Attorney General:

Ann Essko, Assistant Attorney General

Staff in Attendance:

Stephen Posner  
 Jim LaSpina  
 Tammy Mastro  
 Sonia Bumpus  
 Cassandra Noble  
 Kari Waspir  
 Joan Aitken

Guests in Attendance:

Matt Kernutt, Attorney General's Office  
 Rich Downen, Grays Harbor Energy  
 Jay Derr, Van Ness Feldman  
 Irina Makarow, BergerABAM

APPEARANCES

Guests in Attendance Via Phone:

Tim McMahon, Steel Rives  
 Jim Luce, former EFSEC Chair  
 Mark A. Miller, PacifiCorp Chehalis Generation Facility  
 Shannon Khounnala, Columbia Generating & WNP 174  
 Kristen Boyles, Earthjustice  
 Karen McGaffey, Perkins Coie  
 Jennifer Diaz, Puget Sound Energy  
 Bronson Potter, City of Vancouver  
 Linda Larsen, Columbia Waterfront

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OLYMPIA, WASHINGTON, OCTOBER 20, 2015

1:30 P.M.

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PROCEEDINGS

CHAIR LYNCH: Good afternoon. This is the  
 October 20th meeting of the Energy Facility Site  
 Evaluation Council.

Can we please have the clerk call the roll.

MS. MASTRO: Regular EFSEC Council,  
 Department of Commerce?

MS. GREEN-TAYLOR: Liz Green-Taylor, here.

MS. MASTRO: Department of Ecology?

MR. STEPHENSON: Cullen Stephenson is here.

MS. MASTRO: Fish and Wildlife?

CHAIR LYNCH: Joe Stohr is excused.

MS. MASTRO: Natural Resources.

MR. SIEMANN: Dan Siemann, here.

MS. MASTRO: Utilities and Transportation  
 Commission.

CHAIR LYNCH: Dennis Moss is excused.

MS. MASTRO: For the Vancouver Tesoro Savage  
 Terminal, Department of Transportation?

MR. STONE: Ken Stone is here.

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1 MS. MASTRO: City of Vancouver?  
 2 MR. SNODGRASS (via the bridge line): Bryan  
 3 Snodgrass is on the phone.  
 4 MS. MASTRO: Clark County?  
 5 MR. SHAFER: Greg Shafer, present.  
 6 MS. MASTRO: Port of Vancouver?  
 7 MR. PAULSON: Larry Paulson's here.  
 8 MS. MASTRO: Chair, there is a quorum for  
 9 the regular EFSEC council and the project council.  
 10 CHAIR LYNCH: Thank you.  
 11 And if you'd please take a moment to look  
 12 over the proposed agenda and see if you have any  
 13 changes.  
 14 And just so that you know, we've been -- we  
 15 received a request by my predecessor, Mr. Luce, to  
 16 address the Council. And I would -- and he has a letter  
 17 that he has provided to the councilmembers, which is in  
 18 your packets, and I'm going to grant that request for a  
 19 short amount of time to address the Council regarding  
 20 public participation in the Draft EIS, and that will be  
 21 coming after we give the -- after we deal with the  
 22 extension of the application for the Tesoro project.  
 23 So that's the one change I have. Does  
 24 anyone else have any other suggested changes to the  
 25 agenda?

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1 Seeing none, very good. We'll go forward.  
 2 And you'll see that we have two action items  
 3 today. One is the adoption of the -- the final adoption  
 4 of the rules to make it clear that we can issue coverage  
 5 under NPDES stormwater permits, under those general  
 6 permits to applicants, and also what sort of information  
 7 has to be submitted along with an application to the  
 8 Council if someone is looking at needing 401  
 9 certification or a hydraulic permit or other sorts of  
 10 coverage like that. So that's the other thing that the  
 11 rule will be addressing and we'll be taking those up  
 12 later.  
 13 And at this time, if there's anybody who  
 14 wishes to identify themselves who's on the phone, please  
 15 do so now, though you're not required to.  
 16 MR. MCMAHON: Tim McMahon, Stoel Rives.  
 17 CHAIR LYNCH: I'm sorry. I heard Tim  
 18 McMahon with Stoel Rives. I did not hear the other  
 19 person who came in at the same time.  
 20 MR. LUCE: Jim Luce.  
 21 MR. MILLER: Mark Miller with the Chehalis  
 22 Generation Facility.  
 23 MS. MCGAFFEY: Karen McGaffey, Perkins Coie.  
 24 MS. KHOUNNALA: Shannon Khounnala, Energy  
 25 Northwest.

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1 MS. BOYLES: Kristen Boyles, Earthjustice.  
 2 MS. DIAZ: Jennifer Diaz, Puget Sound  
 3 Energy.  
 4 MR. POTTER: Bronson Potter, City of  
 5 Vancouver.  
 6 MS. LARSEN: Linda Larsen, Columbia  
 7 Waterfront.  
 8 CHAIR LYNCH: Is there anybody else who  
 9 would like to identify themselves for the purposes of  
 10 the record?  
 11 Okay. So let's go ahead and take a look at  
 12 the meeting minutes from the September 15, 2015, Council  
 13 meeting.  
 14 Does anyone have any suggested edits to  
 15 these minutes? I didn't see any myself. Actually,  
 16 there was one, and that is -- this is a minor change,  
 17 and this is on page five and line eight, the -- where I  
 18 asked the question, it should be opposed with a "d" on  
 19 the end.  
 20 MS. GREEN-TAYLOR: Mr. Chair.  
 21 CHAIR LYNCH: Yes, Ms. Green-Taylor.  
 22 MS. GREEN-TAYLOR: Also on page three, a  
 23 minor correction. It says Liz Green-Taylor "appears,"  
 24 and what I said actually was "is here."  
 25 CHAIR LYNCH: As opposed to being an

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1 apparition.  
 2 MS. GREEN-TAYLOR: Yes.  
 3 CHAIR LYNCH: It is October.  
 4 Are there any other suggested edits? I  
 5 would entertain a motion at this time to approve the  
 6 minutes with these two corrections. All those in --  
 7 well, first I need the motion.  
 8 MR. STEPHENSON: I'll move to approve the  
 9 minutes as adjusted.  
 10 MS. GREEN-TAYLOR: And I'll second.  
 11 CHAIR LYNCH: It's moved and seconded that  
 12 we approve the minutes as amended from the  
 13 September 15th Council meeting.  
 14 All those in favor, say "aye."  
 15 MULTIPLE SPEAKERS: Aye.  
 16 CHAIR LYNCH: Opposed? Motion carries.  
 17 At this point in time, let's go ahead and  
 18 take updates from our facilities.  
 19 And Mr. Melbardis let us know earlier that  
 20 there are no significant changes with the Kittitas  
 21 Valley Wind Project. And he's on the road, and there is  
 22 a lime green report that they've given to the Council,  
 23 and you can see that there have been no complaints, no  
 24 incidences. So unless someone has a question, we'll  
 25 move on.

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1 And Ms. Diaz, Wild Horse Wind Power Project.  
 2 MS. DIAZ (via the bridge line): Yes. Thank  
 3 you, Chair and councilmembers.  
 4 For the record, Jennifer Diaz, project  
 5 manager for Puget Sound Energy at the Wild Horse Wind  
 6 Facility. I have only one nonroutine update for the  
 7 Council today.  
 8 The Operational Stormwater Pollution and  
 9 Prevention Plan was updated and submitted to Ecology and  
 10 to EFSEC staff for review on September 18th. And that's  
 11 all I have.  
 12 CHAIR LYNCH: Any questions for Ms. Diaz?  
 13 Thank you, Ms. Diaz.  
 14 And now we'll hear from the ever-popular  
 15 Mr. Rich Downen from Grays Harbor Energy Center.  
 16 MR. DOWNEN: You're the only one.  
 17 Good afternoon, Chair Lynch, councilmembers.  
 18 For Grays -- oh, my name is Rich Downen.  
 19 I'm the plant manager at Grays Harbor Energy.  
 20 The monthly report for Grays Harbor Energy,  
 21 the only off-normal things would be Item 5.2 where we  
 22 had the opportunity to host a group of legislative  
 23 staffers for lunch and a plant tour in September. And  
 24 there were -- I forget how many there were -- there were  
 25 a handful of them, and we got to answer a lot of

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1 questions. And we're pretty close, so that's always  
 2 an-- always an option if anyone ever wants to see one of  
 3 our plants.  
 4 And it's not -- it's not in the report, it  
 5 will be in the next month's report, but yesterday and  
 6 today we're re-performing two tests in our RATA test.  
 7 That's the stack -- the emissions testing that we do.  
 8 The vendor that did that had a contaminated sample for  
 9 one -- one specific test, and then missed one sample  
 10 point. Instead of nine data points, they took eight.  
 11 So they're re-performing that test yesterday and today,  
 12 so we'll include that in the October report.  
 13 CHAIR LYNCH: Okay. So we'll hear more  
 14 about that next month then?  
 15 MR. DOWNEN: Yes.  
 16 CHAIR LYNCH: Okay. Very good. And we  
 17 will -- some of us will certainly take you up on your  
 18 offer to view your facility at some point in time. I  
 19 know I'm interested and we just have had a lot on our  
 20 plate recently. But when it calms down a little bit, we  
 21 would love to see your facility.  
 22 MR. DOWNEN: I think there's talk of  
 23 November maybe working out for that bigger group that  
 24 was going to come for that tour, so...  
 25 CHAIR LYNCH: Okay.

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1 Any questions for Mr. Downen?  
 2 Thank you.  
 3 And we have Mr. Miller on the line today?  
 4 MR. MILLER (via the bridge line): Yes, sir.  
 5 Good afternoon, Chair Lynch, councilmembers  
 6 and Staff. This is Mark Miller, the plant manager at  
 7 the PacifiCorp Chehalis Generating [sic] Facility. I  
 8 have no nonroutine comments to add to the simple report.  
 9 CHAIR LYNCH: Any questions for Mr. Miller  
 10 regarding the Chehalis Generation Facility?  
 11 Thank you, Mr. Miller.  
 12 With that, we'll turn to Ms. Khounnala, who  
 13 is going to update us first on the Columbia Generating  
 14 Station, and then the WNP 1/4 water rights.  
 15 MS. KHOUNNALA (via the bridge line):  
 16 Certainly.  
 17 In regards to Columbia Generating Station,  
 18 we have no nonroutine items to report this month.  
 19 Moving on to WNP 1/4, you'll see in your  
 20 packet that the summary remains the same and relatively  
 21 unchanged from the June 2015 report.  
 22 I can add, however, that I have been in  
 23 recent communications with Department of Energy and we  
 24 are working on timetables and timeframes and schedules  
 25 for going forward to complete the NEPA EA, so it is a

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1 focus again, and we're hopefully getting back on track  
 2 to work through some of the elements that will work us  
 3 towards utilizing the water rights.  
 4 And I have no other comments.  
 5 CHAIR LYNCH: Any questions for  
 6 Ms. Khounnala on either the Columbia Generating Station  
 7 or WNP 1/4?  
 8 Thank you, Ms. Khounnala.  
 9 MS. KHOUNNALA: Thank you.  
 10 CHAIR LYNCH: At this point in time we'll  
 11 just get an update from Ms. Bumpus regarding the Tesoro  
 12 Savage Vancouver Energy Distribution Terminal. Oh, no,  
 13 we're not going to do that. What we're going to do is  
 14 Mr. LaSpina is going to update us on the Amon Creek  
 15 Preserve mitigation.  
 16 MR. LASPINA: Thank you, Chair Lynch.  
 17 Several months ago, EFSEC's staff informed  
 18 the Council of the need for a revegetation project at  
 19 the Amon Creek Nature Preserve mitigation site, which is  
 20 part of the WNP 1 Site Certification Agreement.  
 21 EFSEC staff received a revegetation plan in  
 22 April of this year. The plan was reviewed by the  
 23 Department of Transportation revegetation specialists.  
 24 And at this time, November 1st, the revegetation  
 25 planting will proceed. So that's just a little update

1 for you.

2 CHAIR LYNCH: And -- thank you, Mr. LaSpina.

3 And why we're updating the Council is

4 because earlier we let the Council know about the

5 situation where the City's Public Works Department had

6 put I believe it was a sewer line through the -- this

7 mitigation area, and then has been working with us and

8 the State Department of Transportation, who has been the

9 lead on this revegetation project, as well as the

10 Wildlands, Incorporated group.

11 And just so you know, we're talking about an

12 area of about 1.8 acres, and they did some revegetation

13 earlier, but a lot of weeds came in. And they tested

14 the soil, there's a number of things that they need to

15 do.

16 In fact, they've established three different

17 treatment areas for the area, and along with the new --

18 the revegetation that they're going to do, that's going

19 to be a three- to five-year maintenance and monitoring

20 situation, they're particularly concerned about invasive

21 weeds in the area.

22 And so hopefully with a little more

23 oversight at this area, we'll revegetate with natural

24 plants and we'll have a minimum of weeds in the area.

25 And because we are a player in this, we wanted to let

1 the Council know just where we are, but it has been the

2 Department of Transportation who has the expertise and

3 has been taking the lead on this.

4 And are there any questions for Mr. LaSpina?

5 Now we will turn -- thank you, Mr. LaSpina.

6 Now we'll turn to the update on the Tesoro

7 Savage Vancouver Energy Distribution Terminal.

8 MS. BUMPUS: Thank you.

9 Good afternoon, Chair Lynch and

10 councilmembers. I just have a few updates on the

11 development of the Draft Environmental Impact Statement.

12 Per the DEIS schedule, last week, on October

13 14th, EFSEC staff posted the PDEIS for councilmembers'

14 review on the EFSEC SharePoint site. The comment period

15 will conclude for councilmembers on October 27th.

16 And I have a couple of remarks to help

17 facilitate councilmembers' review of the documents. So

18 these are, as I said, just a couple of thoughts to

19 consider when entering comments on the document that we

20 think might help Staff when we are reviewing the

21 comments.

22 Just to consider, is the information or the

23 conclusions accurate? If you see something that you

24 think needs correction or rethinking, please go ahead

25 and enter how you think it should be corrected or what

1 the corrective action would be to address the issue you

2 identified.

3 Also, if there's a particular methodology

4 that you want to comment on, feel free to do that as

5 well. And again, to the extent that you can provide us

6 with comments about missing information, or perhaps an

7 inaccuracy, enter those and then provide the corrective

8 action along with that. That will help facilitate the

9 Staff's review of your comments.

10 I think that that's pretty much everything I

11 had to update.

12 CHAIR LYNCH: And we're still on track to

13 issue the Draft EIS, and the date we're going to do that

14 again is?

15 MS. BUMPUS: It's scheduled to be released

16 November 24th. And we are meeting all of our milestones

17 per the schedule, so it looks that we will meet that

18 deadline.

19 CHAIR LYNCH: Any questions for Ms. Bumpus?

20 MS. GREEN-TAYLOR: Yes.

21 CHAIR LYNCH: Yes, Ms. Green-Taylor.

22 MS. GREEN-TAYLOR: Thank you, Chair.

23 I don't have the schedule with me, but what

24 I remember about the schedule was that we had --

25 councilmembers had until November 10 to complete our

1 review of the DEIS, and I thought I heard you say that

2 we had only until October 27.

3 MS. BUMPUS: That's correct. The first two

4 weeks of the review cycle are for entering the comments

5 for review and entering of comments by councilmembers.

6 The last two weeks of this review cycle are for Staff to

7 pull those comments together and evaluate them.

8 MS. GREEN-TAYLOR: Okay.

9 CHAIR LYNCH: And respond to them as much as

10 possible before the publication of the Draft EIS?

11 MS. BUMPUS: Correct.

12 CHAIR LYNCH: I'm sorry if there was some

13 confusion, Ms. Green-Taylor.

14 MR. STONE: Chair Lynch, I have a question.

15 CHAIR LYNCH: Yes, Mr. Stone.

16 MR. STONE: Regarding how comments are

17 addressed, whether or not the Draft EIS gets revised as

18 a result of a comment, is that a responsibility of EFSEC

19 staff or the applicant or both?

20 CHAIR LYNCH: Mr. Posner?

21 MR. POSNER: I'll attempt to answer -- I

22 have to turn my mic on first. That might help.

23 So basically, you know, you have a certain

24 period of time where we're asking you to comment on the

25 document. We also have a certain period of time to try

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1 to address those concerns.  
 2       So until we actually see what concerns you  
 3 have, we're not sure, you know, to what extent we're  
 4 going to be able to fulfill all -- address all concerns.  
 5 We're going to make every effort to do so, but we will  
 6 basically need to review your comments quickly and try  
 7 to determine which ones are the most significant and put  
 8 our energies towards trying to resolve those issues as  
 9 soon as possible.  
 10       Since we don't know the extent that -- you  
 11 know, how many comments we're going to receive, we can't  
 12 say at this point in time whether or not we're going to  
 13 be able to address every concern that councilmembers may  
 14 have, but we're going to make every effort to.  
 15       And the responsibility for addressing those  
 16 concerns will be between EFSEC staff and our consultant,  
 17 Cardno ENTRIX, to try to modify or to try to make  
 18 changes where we can.  
 19       MR. STONE: Okay. Thank you.  
 20       CHAIR LYNCH: And just as a reminder, the  
 21 Council will not be voting on the Draft EIS but the  
 22 final EIS. That's the document that we own, and so  
 23 that's the one that we'll have to make sure is --  
 24 addresses all the concerns that we -- that the Council  
 25 believes is important to address.

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1       Any further questions? And I think at the  
 2 November --  
 3       MR. SNODGRASS (via the bridge line): Chair,  
 4 if I may, this is Brian Snodgrass on the phone.  
 5       CHAIR LYNCH: Oh, sorry.  
 6       Yes, Mr. Snodgrass.  
 7       MR. SNODGRASS: What -- I would presume that  
 8 at perhaps our next monthly meeting there would be some  
 9 level of Council -- if not a vote, there should be some  
 10 level --  
 11       CHAIR LYNCH: I'm sorry. We're losing you,  
 12 Mr. Snodgrass. Could you, A, speak a little slower,  
 13 and, B, speak a little louder.  
 14       MR. SNODGRASS: Sorry. I'm wondering then  
 15 what level of discussion is envisioned at next month's  
 16 Council meeting regarding the DEIS.  
 17       CHAIR LYNCH: I think at next month's  
 18 meeting -- and I haven't finalized this, I have some of  
 19 this in my head, but I haven't had a chance to talk to  
 20 Staff -- one of the things that we probably will be  
 21 trying to nail down is not only when do -- how does  
 22 this -- the councilmembers address publicly the Draft  
 23 EIS, at that point in time the Council will have already  
 24 submitted their comments to the Staff, so I think  
 25 there's probably an opportunity for the councilmembers

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1 to address, in a big picture way, some things that they  
 2 like or don't like about the Draft EIS at the next  
 3 councilmember -- Council meeting.  
 4       And also we would be looking at when do  
 5 we -- when are we going to schedule the public comment  
 6 meetings for the Draft EIS. And those will take place  
 7 after the first of the year, but we need to figure out  
 8 exactly -- it looks like that will probably be after the  
 9 first of the year, but we need to finalize that as well.  
 10 So we've got some things we need to talk about between  
 11 now and then.  
 12       MR. SNODGRASS: Thank you.  
 13       CHAIR LYNCH: Any other questions regarding  
 14 the Tesoro update?  
 15       Thank you.  
 16       Let's go ahead and move -- we have an action  
 17 item to deal with, and that's the extension of the  
 18 application processing time because our current -- the  
 19 last extension that we granted for processing the Tesoro  
 20 application, that expires on November 1st of this year.  
 21 And obviously we won't make that -- we won't complete  
 22 our task by then, and so they have asked us to consider  
 23 an additional extension that would -- for six more  
 24 months, which would be May 1, 2016.  
 25       And Mr. Posner, do you have anything else to

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1 add to that?  
 2       MR. POSNER: No. Just that the letter is in  
 3 your packets for your review, and it is a six-month  
 4 extension. The past extension requests have also been  
 5 for six months. So basically nothing more to add beyond  
 6 what you said, Chair Lynch.  
 7       CHAIR LYNCH: Is there any other discussion  
 8 regarding this extension?  
 9       At this point in time, I would entertain a  
 10 motion for its adoption.  
 11       MR. STEPHENSON: I will so move.  
 12       CHAIR LYNCH: Do we have a second?  
 13       MS. GREEN-TAYLOR: I'll second the motion.  
 14       CHAIR LYNCH: It's been moved and seconded  
 15 that the Council extend its review of this -- of the  
 16 Tesoro application to May 1, 2016.  
 17       All those in favor, say "aye."  
 18       MULTIPLE SPEAKERS: Aye.  
 19       CHAIR LYNCH: Opposed? Motion carries.  
 20       At this point in time, before we get to the  
 21 NPDES rules adoption, we will hear from my predecessor,  
 22 Mr. Luce.  
 23       Mr. Luce, you wanted to address the Council  
 24 regarding public participation in the -- on the DEIS.  
 25 And then, as I mentioned earlier, the councilmembers do

1 have your letter, so please proceed.  
 2 MR. LUCE (via the bridge line): Thank you,  
 3 Chair Lynch.  
 4 I do want to address the issue of the public  
 5 comment period for the Draft Environmental Impact  
 6 Statement, and my letter requests that EFSEC utilize its  
 7 discretionary authority to postpone the release of that  
 8 document until January 2nd, 2016.  
 9 Now, I laid out in my letter the reasons for  
 10 this. This project is unprecedented in EFSEC's history,  
 11 and it is a long EIS, I would imagine. It is certainly  
 12 a complex and highly-technical document.  
 13 For the Council to release this document  
 14 during the holiday period of November 24th, basically,  
 15 to January 10th, will require the public to review this  
 16 document and comment in a meaningful way, should they  
 17 choose to do so, over Thanksgiving, Hanukkah, Christmas,  
 18 Kwanzaa and the New Year. That is inconsistent with the  
 19 public interest and the public's ability to have a  
 20 meaningful comment. We all have competing demands  
 21 during this period.  
 22 Now, I'm aware that the applicant has  
 23 objected to what I believe was Mr. Posner's very  
 24 reasonable request of a 60-day review period, and I  
 25 wanted to thank Mr. Posner for making that request. The

1 applicant has insisted on the SEPA rules of 45 days --  
 2 no more than a 45-day review.  
 3 Now, I will just say that, during my  
 4 11 years as EFSEC Chair, we never had an applicant take  
 5 a position such as is being taken by Tesoro. When  
 6 additional time was needed, we had cooperation from our  
 7 applicants.  
 8 So I guess what I would say and what I would  
 9 ask is that -- and I will add parenthetically here that  
 10 the reason for the delay of the Draft Environmental  
 11 Impact Statement to date is not EFSEC, it is not Cardno  
 12 ENTRIX. The reason for the delay is this slipshod  
 13 process -- or draft that was put together by the  
 14 applicant in this case to begin with.  
 15 CHAIR LYNCH: Excuse me, Mr. Luce. I'm  
 16 going to stop you there because you're starting to stray  
 17 a little bit from your request. I understand what  
 18 you're saying, but we're not going to point any fingers  
 19 at anybody here today.  
 20 MR. LUCE: You don't have to. I pointed  
 21 them in my letter, and I'll point them again.  
 22 Vancouver Energy did a sloppy job on putting  
 23 its PDEIS together. That added a substantial amount of  
 24 time to the development of this Draft EIS.  
 25 So I guess what I'm asking, Mr. Chair, is

1 very simply to ask the Council to take under advisement  
 2 its authority, its legal authority, which I do believe  
 3 it has, to postpone the release of this document until  
 4 after the holidays, until January 2nd.  
 5 The applicant has every right, under SEPA  
 6 rules, to insist on a 45-day period of review,  
 7 notwithstanding the questionable reasonableness of that.  
 8 EFSEC has the authority to determine when that 45 days  
 9 runs.  
 10 And as long as we are faced with a timeframe  
 11 such as we are faced with, I do not believe it is in the  
 12 public interest to release this document and put that  
 13 sort of pressure, if you will -- and I'm not asking for  
 14 any more delay. I want this to move as expeditiously as  
 15 possible. This process has taken too long. I would  
 16 agree with the applicant on that. The question is, why  
 17 has it taken too long?  
 18 I would ask the counsel for the Environment,  
 19 and I spoke with Counsel yesterday -- I'm not sure he's  
 20 ready to do that today -- but the Counsel for the  
 21 Environment's role, as we all know, is to represent the  
 22 public interest. And I can't believe that there's much  
 23 more associated with this case at this time than in  
 24 providing the public adequate opportunity to review this  
 25 Draft EIS in a reasonable timeframe.

1 And then -- that will conclude my remarks.  
 2 I would ask the Council to take this matter under  
 3 advisement prior to its final commitment to release the  
 4 Draft EIS on November 24th.  
 5 CHAIR LYNCH: Thank you, Mr. Luce.  
 6 Is Mr. Kernutt here? Yes, he is.  
 7 Did you want to say anything to the Council?  
 8 MR. KERNUTT: For the record, Matt  
 9 Kernutt -- I'm sorry. Is this on? Matt Kernutt,  
 10 counsel for the Environment.  
 11 I did speak with Mr. Luce just yesterday. I  
 12 am not prepared at this time to make a formal request of  
 13 the Commission. I do believe that if such a request  
 14 does come, I will be Ccing all the parties the  
 15 adjudication.  
 16 Adjudication timeframes are also triggered  
 17 in some way by the release of the Draft EIS, so I would  
 18 be -- at that time, if I do decide to submit such a  
 19 request, it will be timely, very timely, but I have not  
 20 yet committed to a position on Mr. Luce's request.  
 21 CHAIR LYNCH: Thank you.  
 22 MR. LUCE: Mr. Kernutt -- or Chair Lynch,  
 23 what would it take to, in your perspective, to trigger  
 24 such a request to the Council? I hope I have done that  
 25 today. This is a SEPA matter, not an adjudicatory

1 matter, so, therefore, I don't believe it's necessary  
 2 that one of the actual parties move this matter forward.  
 3 CHAIR LYNCH: Well, I can just say that, you  
 4 know, Mr. Kernutt --  
 5 MR. KERNUTT: Um-hmm.  
 6 CHAIR LYNCH: -- is certainly welcome to get  
 7 back to us at a later time.  
 8 And I appreciate former Chair Luce's  
 9 remarks, though just looking at the WACs again, and I  
 10 think Mr. Luce is right, it talks about we have 30 days  
 11 to give people an opportunity to review and comment on  
 12 the Draft EIS, and also we can extend that for 15 days,  
 13 which we have done, but the point is, is that it says  
 14 "from the date of issue."  
 15 So I don't believe that, under current law,  
 16 we have the authority to put the Draft EIS out there for  
 17 the public to review and not have that start the clock.  
 18 MR. LUCE: I would agree with you, Chair  
 19 Lynch. The question, as you stated it, is the date of  
 20 issue. And the Council has it within its discretionary  
 21 authority to determine what the date of issue is.  
 22 CHAIR LYNCH: And I thank you for your  
 23 thoughts, Mr. Luce, and we will take those under  
 24 advisement.  
 25 And Mr. Derr, did you want to address the

1 Council?  
 2 MR. DERR: Thank you, Mr. Chairman and  
 3 members of the Council. For the record, Jay Derr,  
 4 attorney for Vancouver Energy.  
 5 MR. LUCE: I can't hear Mr. Derr if he is --  
 6 MR. DERR: Okay. Is that better? No light  
 7 on, but I guess that works.  
 8 Jay Derr, attorney for Vancouver Energy. I  
 9 appreciate the opportunity to respond, because I confess  
 10 I feel a little ambushed by the request.  
 11 I guess what I would offer is, first, a  
 12 clarification. The -- the issues that the schedule has  
 13 brought up are issues that have been known since the EIS  
 14 schedule was changed last July. Thanksgiving didn't  
 15 change, Christmas didn't change, Hanukkah didn't change.  
 16 We discussed the implications of that --  
 17 this release date on the schedule in the public comment  
 18 period back then. We could have managed a -- not we --  
 19 EFSEC could have managed an EIS release to avoid the  
 20 holiday by releasing it earlier, and they chose not to  
 21 do that for whatever reasons.  
 22 I also want to be clear that Mr. Luce's  
 23 comments should -- while it may factually be correct  
 24 he's your predecessor, he is a vocal, known opponent to  
 25 the project, and his comments need to be viewed in that

1 light. This is comments of the opposition to the  
 2 project asking for additional delay. And so regardless  
 3 of his former roles, that's his role today in this  
 4 process, and that needs to be remembered.  
 5 And I'm happy to talk with counsel for the  
 6 Environment about what his issues or concerns on it --  
 7 30 seconds ago was the first I heard that he has a  
 8 question or even an interest in this issue.  
 9 And while it is a SEPA issue, they are --  
 10 the only dates we know so far about the adjudication  
 11 process, those clocks start running when the Draft EIS  
 12 is published. So there are implications for the  
 13 adjudication schedule which are relevant to when the  
 14 Draft EIS is published, at least as I understand the  
 15 order.  
 16 So it may be that there is a path that has  
 17 to consider implications for the adjudication schedule  
 18 and implications for the Draft EIS comment that should  
 19 be discussed.  
 20 So I would ask you not to decide a  
 21 publication date today, give us some time to talk about  
 22 it. And if there's an adjudication piece that needs to  
 23 incorporate all of the parties to the adjudication, we  
 24 have the opportunity to do that before you decide  
 25 suddenly, because the holidays are still the holidays,

1 that you're changing a publication date that you  
 2 previously committed to.  
 3 CHAIR LYNCH: Thank you, Mr. Derr.  
 4 MR. LUCE: On the --  
 5 CHAIR LYNCH: Excuse me, we're -- excuse me,  
 6 Mr. Luce, we've taken your comments already. Thank you.  
 7 What I would like to say -- like to see is,  
 8 if there is any additional leeway, that it be put on the  
 9 back end of the comment period as opposed to changing  
 10 the publication date, the issuance date. Because the  
 11 issuance date, you all might remember, is the trigger  
 12 date for a number of things related to the adjudication,  
 13 and we needed to get that set.  
 14 And so if there is any further change to the  
 15 issuance date, my preference would be that parties would  
 16 choose to agree to have more time put on the end as  
 17 opposed to changing the date when we publish this.  
 18 MR. DERR: And if I may, I certainly will  
 19 commit to speak with counsel for the Environment and --  
 20 about that, and if there's implications for the  
 21 adjudication, we obviously then need to connect with  
 22 those parties, present something to the ALJ, and see  
 23 what she decides about the process. But I certainly  
 24 will commit to have those conversations and see what we  
 25 can do.

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1 CHAIR LYNCH: All right. And there should  
 2 not be -- if you put time on the back end of the  
 3 process, there should not be any -- in my mind any  
 4 change to the adjudication schedule, because the trigger  
 5 is the publication date, not when the comment period has  
 6 ended for the Draft EIS. So that's part of the reason  
 7 why, if there are any modifications, my preference would  
 8 be to allow additional time at the end.  
 9 MR. DERR: Okay. Thank you.  
 10 MR. LUCE: Chair Lynch, if I may, I'd like  
 11 to be included in those conversations, and I would agree  
 12 with you that a reasonable alternative may be to add  
 13 comment time at the end of the period.  
 14 CHAIR LYNCH: Well, I'm not going to order  
 15 anybody at this time to engage in conversations with  
 16 anybody. But certainly you've indicated your interest  
 17 in this matter, and people know how to get ahold of you.  
 18 So thank you, Mr. Luce. Thank you,  
 19 Mr. Derr.  
 20 MR. DERR: Thank you.  
 21 CHAIR LYNCH: So at this point in time,  
 22 let's move on to the NPDES rules adoption, and we'll  
 23 hear from Mr. LaSpina.  
 24 MR. LASPINA: Thank you, Chair Lynch and  
 25 councilmembers.

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1 At the August Council meeting, EFSEC staff  
 2 requested the Council approval to begin public notice  
 3 for rule-making to clarify EFSEC's NPDES rules. That  
 4 was at the August Council meeting.  
 5 Yesterday we finished the public comment  
 6 period for the rule-making. We used an expedited  
 7 rule-making process of 48-day public comment review, and  
 8 we received no public comments.  
 9 So you all have the briefing memo that is in  
 10 your packet. I'm not going to read the entire memo  
 11 again. However, I will read an additional paragraph  
 12 that clarifies a comment made by Councilmember Ken  
 13 Stone.  
 14 Councilmember Ken Stone said at the August  
 15 meeting, or the September meeting: The term  
 16 "promulgate" is used in three places in the rule  
 17 revisions. The term is used in the context of  
 18 stormwater permits promulgated by Ecology.  
 19 Based on the comment by Councilmember Stone,  
 20 and to be consistent with State policy to use plain talk  
 21 when possible, EFSEC staff will revise the rule  
 22 language -- the proposed rule language to "issue" rather  
 23 than "promulgate."  
 24 EFSEC staff will send these final revisions  
 25 to the code reviser's office. The adoption order will

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1 only be signed after EFSEC staff verifies that these  
 2 final revisions have been incorporated into the rule.  
 3 A little bit of background, to remind you  
 4 because it has been a couple months since we said this,  
 5 is, these revisions will maximize coordination and  
 6 minimize duplication of permitting efforts between EFSEC  
 7 and Ecology, and adoption of revisions to WAC 463-60-540  
 8 will provide guidance to applicants regarding what must  
 9 be submitted in order to obtain certain types of permit  
 10 coverage.  
 11 For these reasons, EFSEC staff recommends  
 12 the Council approve the proposed revisions to EFSEC's  
 13 rules. So what this means is, basically we're asking  
 14 for your approval that after "promulgate" -- or "issued"  
 15 is substituted for "promulgate" [sic] that EFSEC staff  
 16 have the authority to sign the CR-103, which is the  
 17 adoption order.  
 18 CHAIR LYNCH: Thank you.  
 19 MR. LASPINA: And I can answer any questions  
 20 if anybody has any.  
 21 CHAIR LYNCH: Any questions for Mr. LaSpina?  
 22 And just to add to the discussion briefly,  
 23 part of the reason why we're doing this is that a  
 24 previous applicant -- well, I think a current applicant  
 25 with the Council was looking at our rules and just was

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1 not clear, because it wasn't very clear, about whether  
 2 the Council could issue coverage under a general  
 3 stormwater permit that Ecology has adopted to an  
 4 applicant.  
 5 And at first, I thought we'd have to change  
 6 the statutes. But after digging through them a bit  
 7 more, it became more clear to me that we had the  
 8 authority to do this, but it needed additional  
 9 clarification in our rules. And so that's the main  
 10 reason why you see the rule change in front of us, so  
 11 this is in keeping with the general good government  
 12 updates that we are doing as the Council.  
 13 So -- and then Councilmember Stone is  
 14 correct that most people know what "issued" means. Some  
 15 people might not know what "promulgated" means. I think  
 16 I said "promulgated" near my mother one time and she  
 17 slapped me.  
 18 So with -- we will consider the proposed  
 19 rules as -- with the one word change of striking  
 20 "promulgated" and inserting "issued." And with that, I  
 21 will -- the only -- I should remind councilmembers, it's  
 22 only the regular councilmembers who are voting on this  
 23 motion at this time.  
 24 So I will entertain a motion for adoption of  
 25 these rules.

1 MS. GREEN-TAYLOR: Mr. Chair, I move that we  
 2 adopt the rules as amended substituting the word  
 3 "issued" for "promulgated."  
 4 CHAIR LYNCH: And do we have a second?  
 5 MR. SIEMANN: I'll second it.  
 6 CHAIR LYNCH: It's been moved and seconded  
 7 that we adopt the proposed rules as amended.  
 8 All those in favor, say "aye."  
 9 MULTIPLE SPEAKERS: Aye.  
 10 CHAIR LYNCH: Opposed? Motion carries.  
 11 Good. That's another thing we can check off  
 12 the list. Very good.  
 13 And we have a -- or Mr. Posner provided us  
 14 with a 2nd quarter cost allocation.  
 15 MR. POSNER: Thank you, Chair Lynch.  
 16 In your packets is a document that lists the  
 17 Non-Direct Cost Allocation for the 2nd quarter, fiscal  
 18 year 2016.  
 19 And we do this at the beginning of every  
 20 quarter. We take a look at our past times spent,  
 21 technical time spent on projects, and anticipated time  
 22 spent for the quarter -- the quarter that we're in; in  
 23 this case, the 2nd quarter. So the numbers reflect the  
 24 percentages for this quarter.  
 25 I'll go ahead and read them off for the

1 benefit of those folks on the phone.  
 2 Kittitas Valley Project, seven percent; Wild  
 3 Horse, 7 percent; Columbia Generating Station,  
 4 17 percent; WNP 1/4, 3 percent; Whistling Ridge Energy  
 5 Project, 3 percent; Grays Harbor 1 and 2, 9 percent;  
 6 Chehalis Generation Project, 8 percent; Desert Claim  
 7 Wind Power Project, 2 percent; Grays Harbor Energy  
 8 3 & 4, 3 percent; and Tesoro Savage Vancouver Energy  
 9 Terminal, 41 percent.  
 10 And that's all I have on this matter. I'll  
 11 be happy to answer any questions councilmembers have.  
 12 CHAIR LYNCH: Any questions for Mr. Posner  
 13 regarding the allocation of expenses?  
 14 Very good.  
 15 And I just have two quick updates for the  
 16 councilmembers.  
 17 One is the Thurston County Superior Court  
 18 recently ruled and upheld the Columbia Generation  
 19 Station NPDES permit that the Council issued earlier,  
 20 and we were essentially upheld across the board on all  
 21 the challenges.  
 22 There was one portion of the language --  
 23 there's some boilerplate language regarding whole  
 24 effluent toxicity testing that Ecology has been  
 25 including in their permits for years, and there was an

1 earlier Supreme Court decision which invalidated that  
 2 language.  
 3 And that particular language was in the  
 4 permit when we issued it, but the Court's decision came  
 5 down after we issued that particular permit. And the  
 6 appellants to our Columbia Generation Station NPDES  
 7 permit rightly flagged that as a concern, and so that  
 8 language will be eventually replaced in the permit.  
 9 And the second thing is, is that I have been  
 10 able to schedule a meeting with stakeholders in early  
 11 November of this year to talk about legislation for  
 12 2017. And we will not be discussing any current  
 13 proposals in front of the Council as part of that group,  
 14 and mostly inviting the lobbyists for different entities  
 15 to come in, rather than the technical people, so that  
 16 they can start thinking about what they're -- and  
 17 talking to their clients about a streamlined EFSEC  
 18 process, and then we can pull in the technical people  
 19 after that. But because we're pulling this group  
 20 together late, it's just too hard to get this submitted  
 21 for 2016 request legislation unless everybody agrees and  
 22 demands that it go through.  
 23 And those are the only updates I have. Is  
 24 there anything else anyone else wants to bring up before  
 25 the Council?

1 Hearing none, I'd like to thank you all for  
 2 your participation today, and we're adjourned.  
 3 (Meeting concluded at 2:16 p.m.)  
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CERTIFICATE

STATE OF WASHINGTON )  
COUNTY OF KING<sup>ss</sup> )

I, ANITA W. SELF, a Certified Shorthand Reporter  
in and for the State of Washington, do hereby certify  
that the foregoing transcript is true and accurate to  
the best of my knowledge, skill and ability.

IN WITNESS WHEREOF, I have hereunto set my hand  
and seal this 2nd day of November, 2015.

ANITA W. SELF, RPR, CCR #3032

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# Kittitas Valley Wind Power Project

## Monthly Project Update

November 24, 2015

### Project Status Update

#### **September Production Summary:**

Power generated: 14,923 MWh  
Wind speed: 5.5 m/s or 12.3 mph  
Capacity Factor: 19.9%

#### **Safety:**

No incidents

#### **Compliance:**

Project is in compliance as of November 16, 2015.

#### **Sound:**

No complaints

#### **Shadow Flicker:**

The equipment that automatically controls shadow flicker curtailment of turbines A1 and A2 lost some configuration settings during a firmware upgrade. We were notified of the failure by an affected landowner and have made corrections to the settings. We may still need to tune our start and stop times throughout the year and are closely monitoring the situation.

#### **Environmental:**

No incidents

## Wild Horse

Below is the monthly operational/compliance update for Wild Horse. Haley Edwards will be participating on the call this month to provide an update on the Eagle Conservation Plan and Eagle Take Permit. Please let me know if you have any questions.

**Wind Production:** October generation totaled 50,710 MWh for an average capacity factor of 25%.

**Safety:** No lost-time accidents or safety incidents to report in October.

**Compliance/Environmental:** Nothing to report.

## EFSEC Monthly Operational Report

October, 2015

### 1. Safety and Training

- 1.1. There were no accidents or injuries during the month of October.
- 1.2. Conducted scheduled and required monthly training.
- 1.3. Conducted the scheduled safety committee meeting.
- 1.4. The State Fire Marshal conducted his annual site inspection, also attended by EFSEC (LaSpina). No discrepancies were identified.

### 2. Environmental

- 2.1. Submitted the September Discharge Monitor Report (DMR) for Outfall 001 and Outfall 002B to EFSEC.
- 2.2. Established WebDMR access for future DMR reporting.
- 2.3. Submitted the 2015 Priority Pollutant sample results to EFSEC.
- 2.4. Submitted the 2015 Q3 Emissions Data Report (EDR) to EFSEC and ORCAA.
- 2.5. Re-performed a portion of the annual stack testing due to vendor omissions.

### 3. Operations & Maintenance

- 3.1. Grays Harbor Energy (GHE) operated 31 days and generated 405,732 MWh during the month of October.
- 3.2. The capacity factor (CF) was 88.0% in October, and 50.3% YTD.
- 3.3. The availability factor (AF) was 100% in October, and 94.7% YTD.

### 4. Noise and/or Odor

- 4.1. There were no complaints made to the site during the month of October.

### 5. Site Visits

- 5.1. Jim LaSpina was onsite for a visit during the State Fire Marshall's annual inspection.

### 6. Other

- 6.1. Grays Harbor is fully staffed with 22 personnel.
- 6.2. Noise monitoring equipment is installed and is functional, and will be added into the Distributed Control System (DCS) as a Main Control Room indication the next time the plant is off line.
- 6.3. Distributed Control System (DCS) logic for automatic isolation of the Outfall stream (Outfall 01) is modified to include the Cooling Tower Basin pH signal as an isolation parameter. This logic will be uploaded into the Distributed Control System (DCS) the next time the plant is off line.

## **Chehalis Generation Facility----Monthly Plant Report - October 2015**

### **Washington Energy Facility Site Evaluation Council**

**24 October 2015**

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#### **Safety:**

- There were no recordable incidents this reporting period and the plant staff has achieved 4731 days without a Lost Time Accident.

#### **Environment:**

- There were no air emissions deviations or stormwater deviations or spills during the month of October 2015.
- Waste water monitoring results identified that levels of zinc measured in the sample was above the threshold effluent limitation of 1.4 mg/L. The actual measurement was 1.6 mg/L. The City of Chehalis and US Environmental Protection Agency were notified as required per section II (Reporting Requirements), subsection D (Non-Compliance Reporting) of the Wastewater Discharge Requirements. The Chehalis Generating Facility submitted this notification of the non-compliance of the applicable discharge limit for zinc, within 24 hours of becoming aware of the value above the threshold limitation.
  - The plants environmental analyst initiated resampling and retesting of the waste water discharge. The follow up results were 0.15 mg/L. We are continuing to investigate the anomaly and address any potential sources of zinc in the system
  - There have been no operational or process changes at the Facility.

#### **Personnel:**

- Authorized plant staffing level is currently 19 with 19 positions filled.

#### **Operations and Maintenance Activities:**

- The Plant generated 201,892 MW-hrs in September and a capacity factor YTD of 26.1%.

#### **Regulatory/Compliance:**

- The Washington State Deputy Fire Marshal conducted an inspection of the Facility on October 13, 2015. The inspection identified 6 items with Code References that require action. A follow up inspection was scheduled for mid-November.

**Sound monitoring:** There were no noise complaints to report.



**Carbon Offset Mitigation**

- Work began on the high efficiency lighting project with completion planned for mid-December.
- Contract discussions continue on the variable frequency drives (VFD's) for the water treatment reverse osmosis pumps are nearing completion
- Vendors are being researched for the VFD's for the closed cooling water system.

Respectfully,

A handwritten signature in black ink, appearing to read "M. Miller".

Mark A. Miller  
Manager, Gas Plant

**Energy Northwest  
EFSEC Council Meeting  
November 24, 2015  
(Shannon Khounnala)**

**I. Columbia Generating Station Operational Status**

Columbia is online at 100% power and producing 1148 MWs. The plant has been online for 148 days.

There are no other events, safety incidents, or regulatory issues to report.

**II. WNP 1/4 Water Rights**

The Department of Energy continues to work on the NEPA Environmental Assessment (EA) for WNP 1/4. ***Energy Northwest, the Department of Energy and their contractor meet in November to finalize the NEPA scope. A follow-up meeting is being planned for early December to review the final scope.*** The NEPA Environmental Assessment will allow a new lease to be signed between EN and the Department of Energy, and thereby allow for use of the water rights obtained in January of this year. The preparation of the NEPA Environmental Assessment is expected to last through winter and spring 2016 with formal reviews to follow.



STATE OF WASHINGTON  
ENERGY FACILITY SITE EVALUATION COUNCIL

PO Box 43172 • Olympia, Washington 98504-3172

MEMO

TO: EFSEC Council

FROM: EFSEC Staff

DATE: November 24, 2015

SUBJECT: Proposed Issuance of EFSEC Order 875: Fugitive Radionuclides Emissions License for Closure of the Columbia Generating Station Stormwater Channel and Pond

Introduction

At today's meeting, EFSEC staff requests Council approval to issue Order 875 to address closure of an unused stormwater infiltration system. Order 875 is a license to regulate potential emissions of fugitive radionuclides that may occur during the closure process.

Background

Prior to 2014, Energy Northwest, through its National Pollutant Discharge Elimination System (NPDES) Permit, was authorized to discharge certain wastewater streams to an infiltration system consisting of an unlined channel and pond. This stormwater infiltration system is similar to the stormwater percolation ponds common throughout western Washington. This type of system operates by filtering out contaminants in the stormwater through the soil column. Water remaining eventually recharges the aquifer.

During development of the NPDES Permit issued in September 2014, Energy Northwest proposed construction of an evaporative wastewater treatment system to eliminate the discharge to the infiltration system. The SEPA Checklist for construction and operation of the evaporative treatment system identified the need for an emissions license to address the possible emission of radionuclides that may occur during the construction and operation of the new treatment system. The radionuclides emissions license for the new treatment system, in the form of Order 874, was approved by the Council at its January 20, 2015 meeting.

Today's Proposed Action

Energy Northwest has discontinued the use of the infiltration system and proposes to decommission the system. The infiltration system will be filled to grade or above with clean fill and the site covered with gravel. The SEPA Checklist for this action identified the need for an emissions license to address the possible emission of radionuclides that may occur during

decommissioning. EFSEC's contractor for radionuclide issues, the state Department of Health (Health) typically issues these licenses for facilities not regulated by EFSEC. RCW 79.94.422(2) authorizes EFSEC to regulate activities such as those described in Order 875. The language in the draft order was provided by Health and is consistent with applicable regulatory requirements. Monitoring required by Order 875 will cease at the completion of construction activity, but will be picked up by the existing sitewide Radiological Environmental Monitoring Program. Issuance of Order 875 will fulfill the requirements of Chapter 246-247 Washington Administrative Code (WAC) and WAC 463-78-070.

SEPA requirements for the filling and grading of the channel and pond and issuance of Order 875 have been met with the submittal and review of a SEPA checklist and issuance of a determination of nonsignificance (DNS) by the EFSEC Manager.

EFSEC Staff recommends the Council approve issuance of the fugitive radionuclides emissions license in the form of EFSEC Order 875.

STATE OF WASHINGTON  
ENERGY FACILITY SITE EVALUATION COUNCIL  
P. O. BOX 43172  
OLYMPIA, WASHINGTON 98504-3172

**In the Matter of:**

**COLUMBIA GENERATING STATION**

**COUNCIL ORDER No. 875**

**Order to Manage and Regulate Fugitive  
Radionuclide Emissions from the  
Decommissioning of the Outfall 002  
Stormwater Channel and Pond.**

**Regulatory Authority:**

Pursuant to the Revised Code of Washington (RCW) 70.94.331, 70.94.422, Chapter 80.50 RCW, Washington Administrative Code (WAC) 463-78-070, and Chapter 246-247 WAC, the Energy Facility Site Evaluation Council (EFSEC) now finds the following:

**Findings:**

1. Energy Northwest (EN) is the operator of the Columbia Generating Station (CGS), an electric generating plant located on the Hanford Site in Benton County, Washington.
2. CGS has historically discharged onsite stormwater into an unlined channel and pond, but this discharge is now conveyed to a recently constructed evaporative pond treatment system. As part of the decommissioning process for the channel and pond, the requirement for this license was identified in the SEPA checklist.
3. Construction activity to decommission the channel and pond has the potential to emit fugitive radionuclide emissions, and therefore, is required to obtain a Radioactive Air Emissions License in accordance with Chapter 246-247 WAC Radiation Protection-Air Emissions Regulation.
4. Construction activity to decommission the channel and pond has the potential to emit fugitive radionuclides at levels agreed to by EN and EFSEC.

**Order:**

THEREFORE, IT IS ORDERED by EFSEC in relation to the above that EN's former Outfall 002 stormwater channel and pond decommissioning be implemented subject to the conditions described below.

*Council Order No. 875, Columbia Generating Station,  
Order to Regulate Fugitive Radionuclide Emissions from the  
Decommissioning of the former Outfall 002 Stormwater Channel and  
Pond*

1.0 GENERAL APPROVAL CONDITIONS

1.1 Effective date

The effective date of this authorization shall be that as signed in Section 3.0. All references to procedures or test methods shall be those in effect as of the effective date of this ORDER.

2.0 OPERATIONAL LIMITATIONS AND ADDITIONAL REQUIREMENTS

2.1 Department of Health Emission Unit Description

Project Title: CGS Stormwater Channel and Pond Decommissioning.

Emission Unit ID: 1424

Notice of Construction (NOC) ID: 980

This emission unit consists of construction activity to decommission an unused stormwater channel and infiltration pond.

This Emission Unit has 1 active NOC.

This is a MINOR, FUGITIVE, non-point source emission unit.

2.2 Abatement Technology

Best available radionuclide control technology (BARCT)  
WAC 246-247-040(3), -040(4)

State-only Enforceable: WAC 246-247-010(4), -040(5), -060(5)

Abatement Technology: None

2.3 Monitoring Requirements

2.3.1 State Enforceable: WAC 246-247-040(5), -060(5)

Federal and State Regulatory	Monitoring and Testing Requirements	Radionuclides Requiring Measurement	Sampling Frequency
WAC 246-247-075(5)	WAC 246-247-075(5)	Co-60, Cs-137	Weekly gross beta and quarterly composites for gamma emitting radionuclides.

- 2.3.2 Sampling Requirements: Air samples are collected and analyzed in accordance with the Radiological Environmental Monitoring Program.
- 2.3.4 Additional Requirements: Additional monitoring or sampling requirements established by this Order will be listed in the Conditions and Limitations section, if applicable.
- 2.4 Conditions (state only enforceable): WAC 246-247-040(5), 060(5) if not specified
  - 2.4.1 The total abated emission limit for this Notice of Construction is limited to 1.90E-05 mrem/year to the Maximally Exposed Individual (WAC 246-247-040(5)). The total limit on the Potential-To-Emit for this Notice of Construction is limited to 1.90E-05 mrem/year to the Maximally Exposed Individual (WAC 246-247-030(21)).
  - 2.4.2 This emission unit is for the decommissioning of the unused storm drain channel and pond (SDP). Use of the SDP was discontinued in 2014. The decommissioning will include the filling of the channel and pond of the SDP to grade using clean soil. The channel and pond will then be covered with rock. The SDP discharge pipe has been permanently sealed and discharges starting in November 2014 have been diverted to the evaporative ponds.
  - 2.4.4 The Annual Possession Quantity is limited to the following radionuclides (Curies/year):

Parameter	Limit (Curies/year)
Co-60	3.91E-05
Cs-137	3.98E-06

- 2.4.5 ABATEMENT CONTROLS: Water will be used as dust control during decommissioning of the SDP. WAC 246-247-040(5).
- 2.4.6 ABATEMENT CONTROLS: Clean soil will be used to fill the channel and pond to grade. Rock will be applied to the clean soil after the SDP is to grade. WAC 246-247-040(5).
- 2.4.7 ANNUAL REPORTING: Radionuclide emissions will be determined in accordance with the Offsite Dose Calculation Manual and reported in the annual radioactive air emissions report due June 30<sup>th</sup> for the previous year. WAC 246-247-075 (5)(a).

2.4.8 MONITORING: Air monitoring for the SDP decommissioning will use air monitors ST-1, 21, 23, and 57. Air samples will be collected and analyzed in accordance with the Radiological Environmental Monitoring Program for CGS. WAC 246-247-075(5), (7), (8). Monitoring required by Order 875 will cease at the completion of construction activity.

### 3.0 APPROVAL ORDER AND RESTRICTIONS

Any application form, report, or compliance certification submitted pursuant to this Order shall contain certification by a responsible official of truth, accuracy, and completeness.

Nothing in this Order alters the facility's obligation to comply with other laws, including air laws and regulations. Any violation of such rules and regulations or of the terms of this approval, including but not limited to exceedances of emissions limits demonstrated by source testing or emissions calculations, shall be subject to the sanctions provided in Chapter 80.50 RCW.

The provisions of this authorization are severable and, if any provision of this authorization, or application of any provisions of this authorization to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this authorization, shall not be affected thereby.

This Order is subject to judicial review pursuant to the Administrative Procedure Act, Chapter 34.05 RCW, EFSEC rules, EFSEC policies, or as otherwise provided by law. The Administrative Procedure Act can be found on-line at: <http://apps.leg.wa.gov/rcw/default.aspx?cite=34.05>.

DATED at Olympia, Washington this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_.

FOR THE WASHINGTON STATE ENERGY FACILITY SITE EVALUATION COUNCIL.

\_\_\_\_\_  
William Lynch  
EFSEC Chairman

ATTEST:

\_\_\_\_\_  
Stephen Posner  
EFSEC Manager

\_\_\_\_\_  
John Martell  
WDOH

*Council Order No. 875, Columbia Generating Station,  
Order to Regulate Fugitive Radionuclide Emissions from the  
Decommissioning of the former Outfall 002 Stormwater Channel and  
Pond*

**WAC 197-11-970 Determination of Nonsignificance (DNS)**

**DETERMINATION OF NONSIGNIFICANCE**

Description of proposal: Energy Northwest has discontinued the use of the previously permitted National Pollutant Discharge Elimination System (NPDES) unlined stormwater channel and infiltration pond and proposes to decommission the system in late 2015. The channel and pond will be filled to grade or above with clean fill. The site will be covered with 3 inches of 1 ¼ inch minus crushed rock. SEPA is triggered by the volume of fill (2,222 cubic yards) and the issuance of a fugitive radionuclide emissions license, as required by Chapter 246-247 WAC.

Proponent: Energy Northwest

Location of proposal, including street address, if any: 76 North Power Plant Loop, Richland, WA 99354, approximately 10 miles north of Richland, within the federal Hanford Reservation.

Lead agency: EFSEC

The lead agency for this proposal has determined that it does not have a probable significant adverse impact on the environment. An environmental impact statement (EIS) is not required under RCW 43.21C.030 (2)(c). This decision was made after review of a completed environmental checklist and other information on file with the lead agency. This information is available to the public on request.

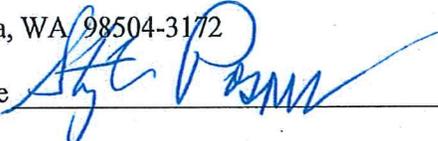
X There is no comment period for this DNS.

Responsible official: Stephen Posner

Position/title: EFSEC Manager

Phone: 360-664-1903

Address: PO Box 43172, Olympia, WA 98504-3172

Date: 11/19/15 Signature 

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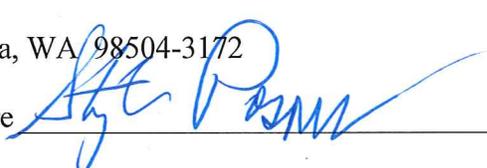
Responsible official: Stephen Posner

Position/title: EFSEC Manager

Phone: 360-664-1903

Address: PO Box 43172, Olympia, WA 98504-3172

Date. 11/19/15

Signature 

**SEPA ENVIRONMENTAL CHECKLIST**  
*UPDATED 2014*

***Purpose of checklist:***

Governmental agencies use this checklist to help determine whether the environmental impacts of your proposal are significant. This information is also helpful to determine if available avoidance, minimization or compensatory mitigation measures will address the probable significant impacts or if an environmental impact statement will be prepared to further analyze the proposal.

***Instructions for applicants:***

This environmental checklist asks you to describe some basic information about your proposal. Please answer each question accurately and carefully, to the best of your knowledge. You may need to consult with an agency specialist or private consultant for some questions. You may use "not applicable" or "does not apply" only when you can explain why it does not apply and not when the answer is unknown. You may also attach or incorporate by reference additional studies reports. Complete and accurate answers to these questions often avoid delays with the SEPA process as well as later in the decision-making process.

The checklist questions apply to all parts of your proposal, even if you plan to do them over a period of time or on different parcels of land. Attach any additional information that will help describe your proposal or its environmental effects. The agency to which you submit this checklist may ask you to explain your answers or provide additional information reasonably related to determining if there may be significant adverse impact.

***Instructions for Lead Agencies:***

Please adjust the format of this template as needed. Additional information may be necessary to evaluate the existing environment, all interrelated aspects of the proposal and an analysis of adverse impacts. The checklist is considered the first but not necessarily the only source of information needed to make an adequate threshold determination. Once a threshold determination is made, the lead agency is responsible for the completeness and accuracy of the checklist and other supporting documents.

***Use of checklist for nonproject proposals:***

For nonproject proposals (such as ordinances, regulations, plans and programs), complete the applicable parts of sections A and B plus the SUPPLEMENTAL SHEET FOR NONPROJECT ACTIONS (part D). Please completely answer all questions that apply and note that the words "project," "applicant," and "property or site" should be read as "proposal," "proponent," and "affected geographic area," respectively. The lead agency may exclude (for non-projects) questions in Part B - Environmental Elements –that do not contribute meaningfully to the analysis of the proposal.

**A. Background**

1. Name of proposed project, if applicable:

*Decommission of Columbia Generating Station (CGS) Storm Drain Pond.*

2. Name of applicant:

*Energy Northwest*

3. Address and phone number of applicant and contact person:

*Contact: Shannon Khounnala, Phone: 509-377-8639*

*Mail Address: P.O. Box 968, PE-03, Richland, WA 99352-0968*

*Physical Address: 76 North Power Plant Loop, Richland, WA 99354*

4. Date checklist prepared: *1/29/2015*

*Amended to address agency comments: 9/23/2015*

5. Agency requesting checklist: *Energy Facilities Site Evaluation Council (EFSEC)*

6. Proposed timing or schedule (including phasing, if applicable):

*Decommissioning of Outfall 002 is scheduled to begin in late 2015. Construction will not be phased.*

7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain.

*There are no plans for future additions or expansions related to this proposal.*

8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal.

*Ikenberry T.A., and S.L. Bump, "Evaluation of Decommissioning Options for the Storm Drain Pond, Columbia Generation Station" Dade Moeller, Richland, WA, March 2014.*

9. Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal? If yes, explain.

*There are no pending applications for other proposals that will affect this project.*

10. List any government approvals or permits that will be needed for your proposal, if known.

*Radiological Air Emission License*

11. Give brief, complete description of your proposal, including the proposed uses and the size of the project and site. There are several questions later in this checklist that ask you to describe certain aspects of your proposal. You do not need to repeat those answers on this page. (Lead agencies may modify this form to include additional specific information on project description.)

*Energy Northwest has discontinued the use of the previously permitted National Pollutant Discharge Elimination System (NPDES) Outfall 002 and proposes to decommission the storm drain pond (SDP) and the associated channel in late 2015. Stormwater and wastewater discharge have been diverted to the newly constructed, lined evaporation ponds in November 2014 and the existing SDP and channel will be decommissioned. Emergent vegetation located in the SDP and channel will be compressed by heavy machinery and left in place. The SDP and channel will be filled to grade or above with clean fill located onsite. ~~The newly placed fill will be re-vegetated with grass or native vegetation to prevent erosion.~~*

*Amended: Approximately 3 feet of fill will be placed within the channel to bring it up to grade.*

*The project site is located northeast of CGS next to the newly constructed evaporation ponds. The project site is enclosed by a chain link fence and the overall project area is estimated at 0.56 acres. The length of the channel is approximately 320 feet long and the SDP extends approximately 80 feet beyond the end of the channel. The channel at its widest point is 45 feet and the SDP at its widest point is 110 feet which includes the riparian zones. The overall length of the channel and SDP is approximately 400 feet.*

*Amended: The site will be covered with 3 inches of 1 1/4" minus crushed rock.*

12. Location of the proposal. Give sufficient information for a person to understand the precise location of your proposed project, including a street address, if any, and section, township, and range, if known. If a proposal would occur over a range of area, provide the range or boundaries of the site(s). Provide a legal description, site plan, vicinity map, and topographic map, if reasonably available. While you should submit any plans required by the agency, you are not required to duplicate maps or detailed plans submitted with any permit applications related to this checklist.

*CGS is located in Benton County, Washington, 12 miles northwest of Richland, Washington. The CGS site is located in Section 5 of Township 11 north, Range 28 east, Willamette Meridian, on land leased from the DOE within the Hanford Site. See Figure 1- Site Vicinity, Figure 2- Project Area Map, Figure 3- Site Area, and Figure 4-Aerial Photograph of Project Site.*

## **B. ENVIRONMENTAL ELEMENTS**

### **1. Earth**

a. General description of the site

(circle one): Flat, rolling, hilly, steep slopes, mountainous, other .....

b. What is the steepest slope on the site (approximate percent slope)?

*The steepest slope on the site is approximately 4%.*

- c. What general types of soils are found on the site (for example, clay, sand, gravel, peat, muck)? If you know the classification of agricultural soils, specify them and note any agricultural land of long-term commercial significance and whether the proposal results in removing any of these soils.

*In a comprehensive soil survey of the entire Hanford Site, completed in 1966, Rupert sand (also known as Quincy sand) was identified throughout most of the Energy Northwest leased area.*

*Rupert sand represents one of the most extensive soils on the Hanford site. The surface is a brown to grayish brown coarse sand, which grades to a dark grayish brown sand at about 36 in. Rupert soils developed under grass, sagebrush, and hop sage in coarse sandy alluvial deposits that were mantled by wind-blown sand and formed hummocky terraces and dune-like ridges.*

*Much of the selected project site location also contains a mix of non-native fill material, including sand, gravel, rock that was disturbed or placed on the selected project area during original CGS construction or during operation of the plant since start-up occurred. The project site is located inside an industrial zoned area and hasn't been used for agriculture. No soil will be removed from project site.*

- d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe.

*No indication of unstable soil in the immediate vicinity of CGS.*

- e. Describe the purpose, type, total area, and approximate quantities and total affected area of any filling, excavation, and grading proposed. Indicate source of fill.

*Approximately 2,222 yards of fill soil will be used to decommission the STP and bring the project site up to grade with existing elevation. Fill will be supplied from onsite existing stock piles that remained following construction of the adjacent evaporation ponds.*

*Amended: Approximately 3 feet of fill will be placed within the channel to bring it up to grade.*

- f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe.

*Incidental erosion may occur from removing of vegetation and grading by exposing soils during construction. However, the short duration of the construction activities and the limited rainfall in the region will minimize potential erosion. Following project completion, the site will be covered with ~~native grasses~~ that will minimize any long term potential erosion.*

*Amended: The site will be covered with 3 inches of 1 1/4" minus crushed rock.*

- g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)?

*The site will have no impervious surface once project is complete.*

- h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any:

*Temporary erosion control measures, such as ground watering, will be used during construction but minor erosion is possible. Following project completion, exposed soils will be ~~planted with native grass to reduce erosion~~. Staging and refueling of machines will be conducted out of the work area to minimize the potential of a fuel spill.*

*Amended: The site will be covered with 3 inches of 1 1/4" minus crushed rock.*

## **2. Air**

- a. What types of emissions to the air would result from the proposal during construction, operation, and maintenance when the project is completed? If any, generally describe and give approximate quantities if known.

*Vehicle exhaust and dust from construction is expected. No long-term change in emissions is expected from the completed project.*

- b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe.

*None.*

- c. Proposed measures to reduce or control emissions or other impacts to air, if any:

*Dust suppression and emission control converters on vehicles are used to help reduce the impacts to air quality.*

## **3. Water**

- a. Surface Water:

- 1) Is there any surface water body on or in the immediate vicinity of the site (including year-round and seasonal streams, saltwater, lakes, ponds, wetlands)? If yes, describe type and provide names. If appropriate, state what stream or river it flows into.

*No. The nearest water body, the Columbia River, is more than three miles from the project site. There are no other natural water bodies or wetlands within the vicinity of the project.*

- 2) Will the project require any work over, in, or adjacent to (within 200 feet) the described waters? If yes, please describe and attach available plans.

*No.*

3) Estimate the amount of fill and dredge material that would be placed in or removed from surface water or wetlands and indicate the area of the site that would be affected. Indicate the source of fill material.

*Approximately 2,222 yards of fill soil will be used to decommission Outfall 002 and bring the channel and SDP up to grade. No soil will be removed from site. Fill will be supplied from onsite stock piles remaining from the construction of the evaporation ponds.*

*Amended: Approximately 3 feet of fill will be placed within the channel to bring it up to grade.*

4) Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known.

*No.*

5) Does the proposal lie within a 100-year floodplain? If so, note location on the site plan.

*No.*

6) Does the proposal involve any discharges of waste materials to surface waters? If so, describe the type of waste and anticipated volume of discharge.

*No.*

b. Ground Water:

1) Will groundwater be withdrawn from a well for drinking water or other purposes? If so, give a general description of the well, proposed uses and approximate quantities withdrawn from the well. Will water be discharged to groundwater? Give general description, purpose, and approximate quantities if known.

*No. the cessation of wastewater discharges to Outfall 002 and decommissioning of the SDP and channel will provide for the protection of ground waters and comply with Chapter 173-200-WAC, Washington's Ground Water Quality Standards.*

2) Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (for example: Domestic sewage; industrial, containing the following chemicals. . . ; agricultural; etc.). Describe the general size of the system, the number of such systems, the number of houses to be served (if applicable), or the number of animals or humans the system(s) are expected to serve.

*No waste material will be discharged to the ground on completion of project. Some water will be sprayed on the ground during construction for dust control and to facilitate compaction. Water for dust control will be supplied from the evaporation ponds that have been approved for this use.*

c. Water runoff (including stormwater):

- 1) Describe the source of runoff (including storm water) and method of collection and disposal, if any (include quantities, if known). Where will this water flow? Will this water flow into other waters? If so, describe.

*On completion of the project the site will be completely pervious and covered with ~~grass~~ to prevent runoff and erosion. No method to collect and dispose of runoff will be implemented during construction due to the size of the project and local climate. Large amounts of runoff is not anticipated. Any incidental runoff will not flow into other waters, storm drains, or UIC wells.*

*Amended: The site will be covered with 3 inches of 1 1/4" minus crushed rock.*

- 2) Could waste materials enter ground or surface waters? If so, generally describe.

*No. Project site is away from parking lots and other potential pollution sources. However, during construction it is possible for equipment to leak or spill fluids. Refilling of equipment will take place on impervious surfaces and any spills will be immediately cleaned up. A spill kit will be located on site to help clean up any spills.*

- 3) Does the proposal alter or otherwise affect drainage patterns in the vicinity of the site? If so, describe.

*No.*

d. Proposed measures to reduce or control surface, ground, and runoff water, and drainage pattern impacts, if any:

*None.*

#### 4. Plants

- a. Check the types of vegetation found on the site:

deciduous tree: alder, maple, aspen, other

evergreen tree: fir, cedar, pine, other

shrubs

grass

pasture

crop or grain

Orchards, vineyards or other permanent crops.

wet soil plants: cattail, buttercup, bullrush, skunk cabbage, other

water plants: water lily, eelgrass, milfoil, other

other types of vegetation

- b. What kind and amount of vegetation will be removed or altered?

The project site has several emergent plant species that will be removed such as willows (*Salix* spp.), cattails (*Typha* spp.), marsh grasses, and currents (*Ribes* spp.). Approximately 0.56 acres of vegetation will be removed.

Amended: The majority of these plant species have died since water is no longer discharged to this outfall.

- c. List threatened and endangered species known to be on or near the site.

No federal listed threatened or endangered species are known to be on the project site.

However several plant species are listed by Washington State as threatened or endangered: These plants have been observed on the greater Hanford site, but none were observed on the proposed project site during field observations.

<u>Scientific Name</u>	<u>Common Name</u>	<u>Status</u>
<i>Ammannia robusta</i>	Grand red stem	Threatened
<i>Astragalus geyeri</i>	Geyer's milkvetch	Threatened
<i>Calyptridium roseum</i>	Rosy pussypaws	Threatened
<i>Cuscuta denticulata</i>	Desert dodder	Threatened
<i>Eatonella nivea</i>	White eaton ella	Threatened
<i>Eriogonum codium</i>	Umtanum desert buckwheat	Endangered
<i>Gilia leptomeria/Aliciella leptomeria</i>	Great basin gilia	Threatened
<i>Lesquerel latuplashensis/Physaria douglasii ssp. tuplashensis</i>	White bluffs bladderpod	Threatened
<i>Lipocarpa aristulata</i>	Awned halfchaff sedge	Threatened
<i>Loeflingia squarrosa var. squarrosa</i>	Loeflingia	Threatened
<i>Rotala ramosior</i>	Lowland toothcup	Threatened
<i>Rorippa columbiae</i>	Persistentsepal yellowcress	Endangered
<i>Spiranthes diluvialis</i>	Ute Ladies' Tresses	Endangered

- d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any:

~~Native grasses will be hydroseeded over the disturbed site once project is completed.~~

Amended: None. The site will be covered with 3 inches of 1 1/4" minus crushed rock.

- e. List all noxious weeds and invasive species known to be on or near the site.

Below is a list of noxious weeds that have been found around CGS.

Species	Common name
---------	-------------

<i>Acroptilon repens</i>	Russian knapweed
<i>Centaurea diffusa</i>	Diffuse knapweed
<i>Centaurea solstitialis</i>	Yellow star-thistle
<i>Centaurea stoebe</i>	Spotted knapweed
<i>Chondrilla juncea</i>	Rush skeletonweed
<i>Cirsium arvense</i>	Canada thistle
<i>Convolvulus arvensis</i>	Field bindweed
<i>Hypericum perforatum</i>	Common St. Johnswort
<i>Lepidium latifolium</i>	Broadleaved pepperweed
<i>Linaria dalmatica</i>	Dalmatian toadflax
<i>Myriophyllum spicatum</i>	Eurasian watermilfoil
<i>Phalaris arundinacea</i>	Reed canarygrass
<i>Tribulus terrestris</i>	Puncturevine

**5. Animals**

- a. List any birds and other animals which have been observed on or near the site or are known to be on or near the site. Examples include:

birds: hawk, heron, eagle, songbirds, other:  
mammals: deer, bear, elk, beaver, other: Rabbits  
fish: bass, salmon, trout, herring, shellfish, other \_\_\_\_\_

- b. List any threatened and endangered species known to be on or near the site.

*No federal listed threatened or endangered species have been observed on the project site. However, several Washington State threatened and endangered species have been observed in the greater Hanford area.*

<u>Scientific Name</u>	<u>Common Name</u>	<u>State Status</u>	<u>Federal Status</u>
<u>Birds</u>			
<i>Buteo regalis</i>	Ferruginous hawk	Threatened	
<i>Centrocercus urophasianus</i>	Greater sage grouse	Threatened	
<i>Grus canadensis</i>	Sandhill crane	Endangered	
<i>Pelecanus erythrorhynchos</i>	American white pelican	Endangered	
<u>Mammals</u>			
<i>Brachyagus idahoensis</i>	Pygmy rabbit	Endangered	Endangered
<u>Fish</u>			
<i>Oncorhynchus mykiss</i>	Steelhead		Threatened
<i>Oncorhynchus tshawytscha</i>	Spring-run Chinook		Endangered
<i>Salvelinus confluentus</i>	Bull trout		Threatened

- c. Is the site part of a migration route? If so, explain.

*Yes. CGS is part of the Columbia River drainage, a segment of the Pacific Flyway, a migratory bird route. The greater Hanford area and the Columbia River serve as a resting area for various migratory birds, waterfowl, and shorebirds.*

- d. Proposed measures to preserve or enhance wildlife, if any:

*None. Amended: However, construction will not occur if birds subject to the Migratory Bird Treaty Act are observed to be present in the project area.*

- e. List any invasive animal species known to be on or near the site.

*No invasive animal species are known to be on or near the project site.*

## 6. Energy and natural resources

- a. What kinds of energy (electric, natural gas, oil, wood stove, solar) will be used to meet the completed project's energy needs? Describe whether it will be used for heating, manufacturing, etc.

*None.*

- b. Would your project affect the potential use of solar energy by adjacent properties? If so, generally describe.

*No.*

- c. What kinds of energy conservation features are included in the plans of this proposal? List other proposed measures to reduce or control energy impacts, if any:

*None.*

## 7. Environmental health

- a. Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill, or hazardous waste, that could occur as a result of this proposal? If so, describe.

*Yes. The project site is located in a Radiological Controlled Area (RCA) and there is a potential for exposure for workers on the site during construction. Energy Northwest has procedures in place to ensure a safe working environment. Workers will be properly trained before entering the site. During construction there is a small chance of exposure to chemicals from gasoline, oils, and other related materials needed for construction. Some of these*

chemicals are flammable and may result in a fire, explosion, spill, or exposure to hazardous waste. Using prudent construction practices will limit the possibility of exposure or spill.

- 1) Describe any known or possible contamination at the site from present or past uses.

*The project site was used for over 30 years to discharge stormwater and wastewater for CGS operations. Soil core sampling in 2011 detected low level residual radioactivity for Cobalt-60 and Cesium-137 in the upper layers of sediment and soil of the SDP. Of the 909 soil samples taken, radioactivity was only detected in 2 percent of the samples. Other residual radionuclides were detected, but all were short-lived, at lower concentration, and limited distribution in the SDP soil. Vegetation was also sampled for residual radioactivity, and none was detected. ~~Using Hanford radiological cleanup guidelines published by Washington Department of Health (WDOH), the SDP could be released for public use in its current condition under the commercial/industrial use scenario but not under rural residential scenario. Since the project site is located inside the CGS security boundary rural residential release wouldn't apply.~~*

*Metals were also screened and compared to Hanford area background levels. Silver and copper were detected above background levels. Both of these metals were well below Environmental Protection Agency (EPA) Regional Screening Levels (RSL) and total hazard quotient (THQ).*

*Amended: Discussion comparing the SDP to Hanford cleanup guidelines has been removed.*

- 2) Describe existing hazardous chemicals/conditions that might affect project development and design. This includes underground hazardous liquid and gas transmission pipelines located within the project area and in the vicinity.

*There are no hazardous chemicals/conditions that will affect project development. There are no underground hazardous liquid or gas transmission pipelines in the immediate area of the project site.*

- 3) Describe any toxic or hazardous chemicals that might be stored, used, or produced during the project's development or construction, or at any time during the operating life of the project.

*No toxic or hazardous chemicals will be stored, used, or produced on site once construction is finished. During construction, diesel fuel and gasoline will be used. No other chemicals will be used.*

- 4) Describe special emergency services that might be required.

*None anticipated.*

- 5) Proposed measures to reduce or control environmental health hazards, if any:

*During construction workers will be properly trained to work in a RCA. Prudent construction techniques, including ground watering, will reduce the threat to*

*workers and the environment. A spill kit will be located on site to clean up any spills from heavy equipment.*

**b. Noise**

- 1) What types of noise exist in the area which may affect your project (for example: traffic, equipment, operation, other)?

*None. The project site is located in an industrial area and noise will not affect the project.*

- 2) What types and levels of noise would be created by or associated with the project on a short-term or a long-term basis (for example: traffic, construction, operation, other)? Indicate what hours noise would come from the site.

*Increased levels of noise during construction are expected from this project created by construction equipment used for moving earth during hours between 7 am to 6 pm. No long-term noises will be created.*

- 3) Proposed measures to reduce or control noise impacts, if any:

*None.*

**8. Land and shoreline use**

- a. What is the current use of the site and adjacent properties? Will the proposal affect current land uses on nearby or adjacent properties? If so, describe.

*The project site is located in an existing industrial area and historically used to discharge wastewater. The project site is adjacent to CGS and support facilities and will not affect current land uses on nearby properties.*

- b. Has the project site been used as working farmlands or working forest lands? If so, describe. How much agricultural or forest land of long-term commercial significance will be converted to other uses as a result of the proposal, if any? If resource lands have not been designated, how many acres in farmland or forest land tax status will be converted to nonfarm or nonforest use?

*No.*

- 1) Will the proposal affect or be affected by surrounding working farm or forest land normal business operations, such as oversize equipment access, the application of pesticides, tilling, and harvesting? If so, how:

*No.*

c. Describe any structures on the site.

*No structures are currently located on the project site. Nearby structures includes the the newly constructed lined evaporation ponds, CGS reactor building, the turbine generator building, the radioactive waste building, the diesel generator building, six mechanical draft-cooling towers, and various office and support buildings.*

d. Will any structures be demolished? If so, what?

*No.*

e. What is the current zoning classification of the site?

*The site is unclassified by Benton County.*

f. What is the current comprehensive plan designation of the site?

*The Department of Energy (DOE) has designated the area as "Industrial" in the Hanford Comprehensive Land-Use Plan.*

g. If applicable, what is the current shoreline master program designation of the site?

*Not Applicable.*

h. Has any part of the site been classified as a critical area by the city or county? If so, specify.

*No.*

i. Approximately how many people would reside or work in the completed project?

*None.*

j. Approximately how many people would the completed project displace?

*None.*

k. Proposed measures to avoid or reduce displacement impacts, if any:

*None.*

l. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any:

*None.*

- m. Proposed measures to ensure the proposal is compatible with nearby agricultural and forest lands of long-term commercial significance, if any:

*None.*

## 9. Housing

- a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing.

*None.*

- b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing.

*None.*

- c. Proposed measures to reduce or control housing impacts, if any:

*None.*

## 10. Aesthetics

- a. What is the tallest height of any proposed structure(s), not including antennas; what is the principal exterior building material(s) proposed?

*No new buildings will be constructed for this project.*

- b. What views in the immediate vicinity would be altered or obstructed?

*None.*

- c. Proposed measures to reduce or control aesthetic impacts, if any:

*None.*

## 11. Light and glare

- a. What type of light or glare will the proposal produce? What time of day would it mainly occur?

*None.*

- b. Could light or glare from the finished project be a safety hazard or interfere with views?

*No.*

- c. What existing off-site sources of light or glare may affect your proposal?

*None.*

- d. Proposed measures to reduce or control light and glare impacts, if any:

*None.*

## 12. Recreation

- a. What designated and informal recreational opportunities are in the immediate vicinity?

*The Columbia River is located 3 miles from the project site.*

- b. Would the proposed project displace any existing recreational uses? If so, describe.

*No.*

- c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any:

*None.*

## 13. Historic and cultural preservation

- a. Are there any buildings, structures, or sites, located on or near the site that are over 45 years old listed in or eligible for listing in national, state, or local preservation registers located on or near the site? If so, specifically describe.

*No.*

- b. Are there any landmarks, features, or other evidence of Indian or historic use or occupation? This may include human burials or old cemeteries. Are there any material evidence, artifacts, or areas of cultural importance on or near the site? Please list any professional studies conducted at the site to identify such resources.

*The CGS site was not used for homesteading or agriculture and was not developed with facilities supporting the Manhattan Project. Archaeological investigation of the CGS site were performed in 1972 prior to construction. No archaeological features or historic structures were observed at the reactor site, including the corridor between the river and the reactor site. Evidence of Native American presence was found in the vicinity of the makeup water pump house and water intake, but no substantive archaeological material. Use of the site area by Native Americans and early*

settlers appears to have been transitory and focused on the river shoreline. The project site is located within the previously surveyed disturbed area. This area was altered significantly (excavation and fill) during construction of CGS and during subsequent maintenance operation activities. Professional studies on the site are listed below:

*Hale, L.L., "Cultural Resources Report Narrative #98-0600-024, WPPSS Industrial Sites," Hanford Cultural Resources Laboratory, Richland, WA, 1998.*

*Rice, D.G., "Archaeological/Historical Reconnaissance WPPS Hanford No. 2 Reactor," Richland, WA 1972.*

*Rice, D.G., "Archaeological Investigations during Excavations for WNP-2 Pump house and Water Intake." Benton County, WA 1975.*

*Rice, D.G., "Archaeological Investigations at Washington Public Power Supply System Nuclear Plants on the Hanford Reservation, Washington." Richland, WA, 1983.*

- c. Describe the methods used to assess the potential impacts to cultural and historic resources on or near the project site. Examples include consultation with tribes and the department of archeology and historic preservation, archaeological surveys, historic maps, GIS data, etc.

*Energy Northwest has procedural controls to assess and consider impacts to potential or existing historical and archaeological sites in accordance with state and federal regulations when planning and performing work activities. Procedural controls include review of historic construction photos and GIS data of previously surveyed and disturbed areas. The project site is located in a previously surveyed and highly disturbed site which should limit any impacts to historic or cultural resources.*

- d. Proposed measures to avoid, minimize, or compensate for loss, changes to, and disturbance to resources. Please include plans for the above and any permits that may be required.

*During construction, any archaeological findings, per procedure, will be reported to the DOE, the Washington Department of Archaeology and Historic Preservation (DAHP), EFSEC, and other interested parties or affected tribes identified by the DAHP. Energy Northwest agrees to consult with the DOE to arrange for preservation of artifacts and for interpretation of any archaeological site discovered in the course of construction.*

#### **14. Transportation**

- a. Identify public streets and highways serving the site or affected geographic area and describe proposed access to the existing street system. Show on site plans, if any.

*The project site has paved access off Route 4. The project site is located inside the CGS industrial area which is a secure site with limited access. Authorized individuals have paved access to the project site.*

- b. Is the site or affected geographic area currently served by public transit? If so, generally describe. If not, what is the approximate distance to the nearest transit stop?

*No.*

- c. How many additional parking spaces would the completed project or non-project proposal have? How many would the project or proposal eliminate?

*None.*

- d. Will the proposal require any new or improvements to existing roads, streets, pedestrian, bicycle or state transportation facilities, not including driveways? If so, generally describe (indicate whether public or private).

*No.*

- e. Will the project or proposal use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe.

*No.*

- f. How many vehicular trips per day would be generated by the completed project or proposal? If known, indicate when peak volumes would occur and what percentage of the volume would be trucks (such as commercial and nonpassenger vehicles). What data or transportation models were used to make these estimates?

*None.*

- g. Will the proposal interfere with, affect or be affected by the movement of agricultural and forest products on roads or streets in the area? If so, generally describe.

*No.*

- h. Proposed measures to reduce or control transportation impacts, if any:

*None.*

## **15. Public services**

- a. Would the project result in an increased need for public services (for example: fire protection, police protection, public transit, health care, schools, other)? If so, generally describe.

No.

- b. Proposed measures to reduce or control direct impacts on public services, if any.

None.

**16. Utilities**

- a. Circle utilities currently available at the site:

electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system,  
other \_\_\_\_\_

- b. Describe the utilities that are proposed for the project, the utility providing the service, and the general construction activities on the site or in the immediate vicinity which might be needed.

No utilities are needed.

**C. Signature**

The above answers are true and complete to the best of my knowledge. I understand that the lead agency is relying on them to make its decision.

Signature: Shannon Khounnala

Name of signee Shannon Khounnala

Position and Agency/Organization Environmental & Regulatory Programs Specialist/Energy Northwest

Date Submitted: 2/5/15

Amended: Shannon Khounnala  
Signature: Shannon Khounnala  
Date Amended: 9/23/15



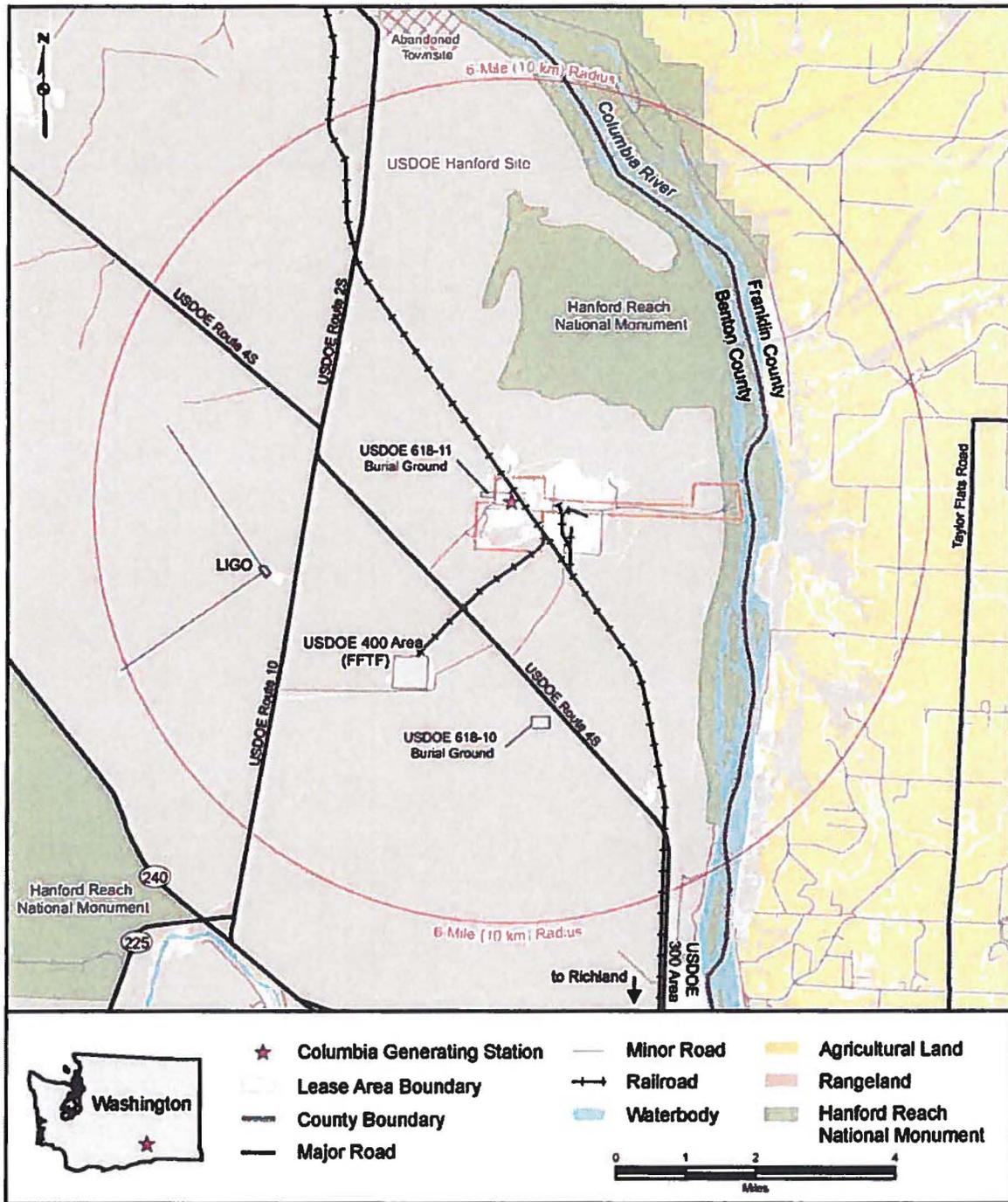
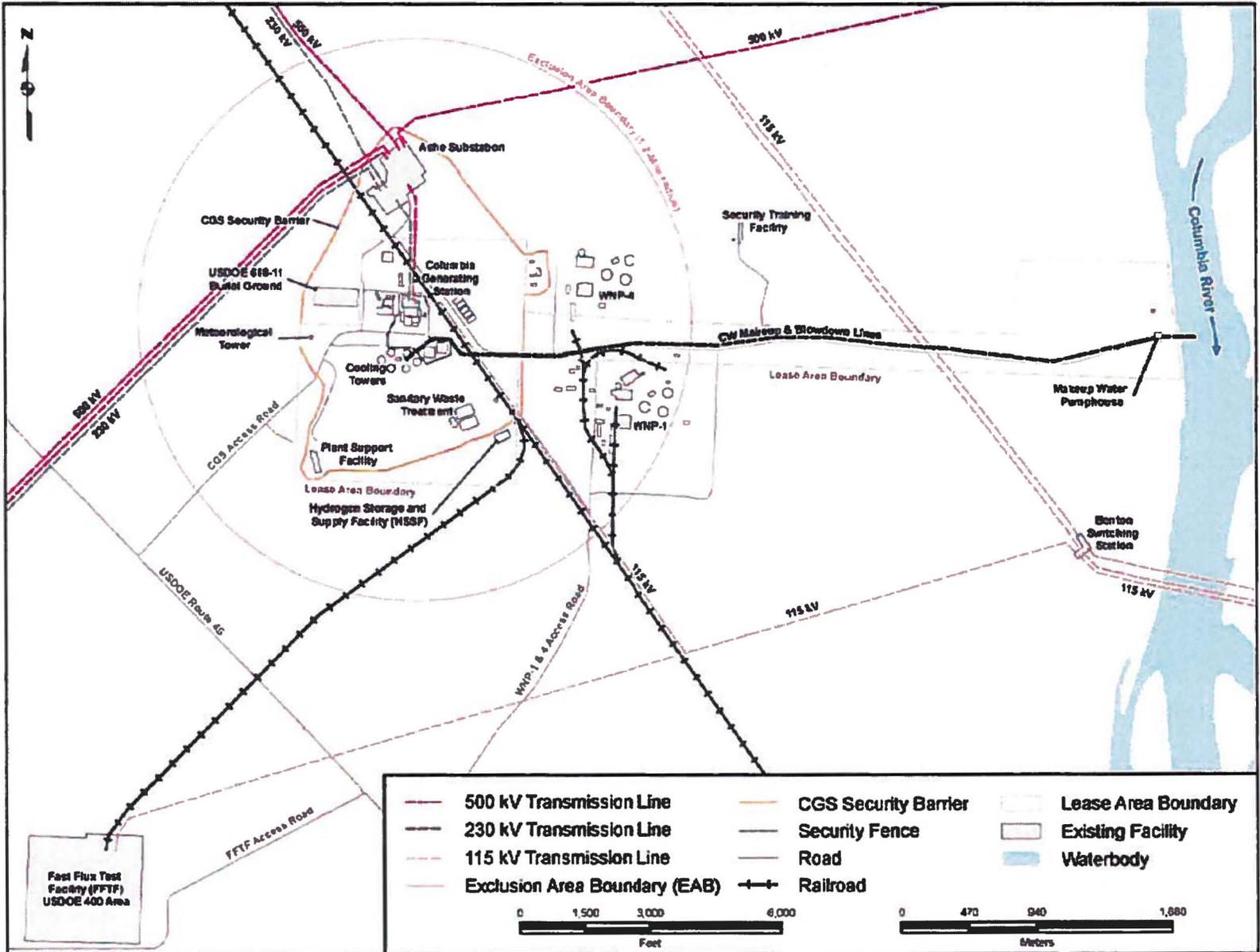


Figure 2- Project Area Map

Figure 3- Site Area



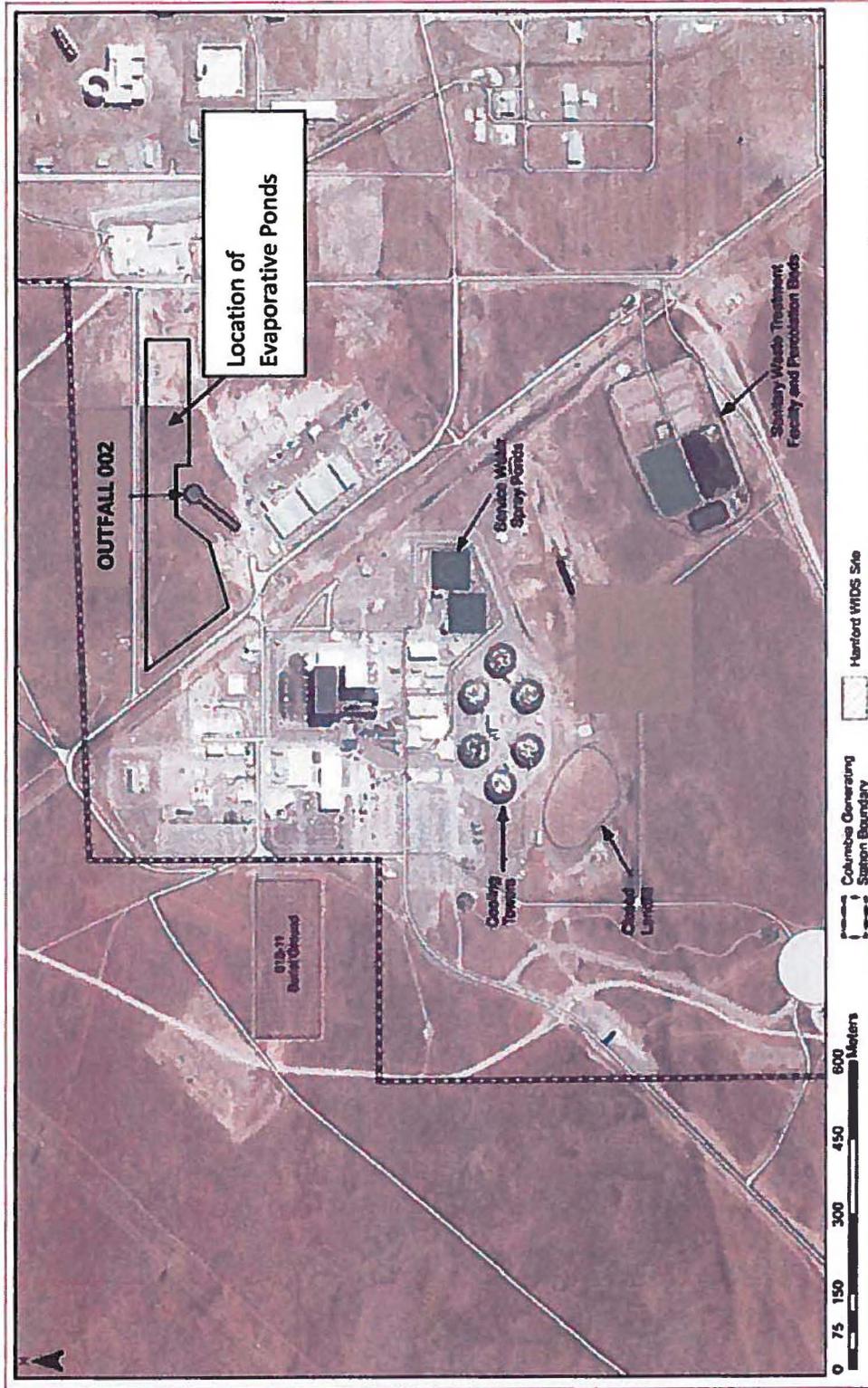


Figure 4-Aerial Photograph of Project Site.