



U.S. Department of Energy Hanford Site

February 16, 2021

21-ECD-000488

Washington State Department of Ecology
P.O. Box 47600
Olympia, Washington 98504

Attn: PSD Air Program

ADDENDUM TO THE HANFORD TANK WASTE TREATMENT AND IMMOBILIZATION PLANT PREVENTION OF SIGNIFICANT DETERIORATION AIR PERMIT (PSD NO. 02- 01) APPLICATION

On July 23, 2020, the U.S. Department of Energy (DOE) and Washington State Department of Ecology signed a Memorandum of Agreement (MOA) pertaining to adjustment of the Hanford Site Ambient Air Boundary (AAB). In the MOA, DOE agreed to update the modeling used in its application for the Hanford Tank Waste Treatment and Immobilization Plant Prevention of Significant Deterioration (PSD) air permit (PSD No. 02-01) using the revised AAB.

The MOA also requires submittal of an addendum to the PSD application, including the updated modeling and analysis. The modeling results in this addendum would supersede all previous modeling submitted under all the applications associated with PSD NO. 02-01. In Support of this commitment, the attached document 24590-WTP-RPT-ENV-20-003, Rev. 0, *Addendum to the Prevention of Significant Deterioration (PSD) Air Permit*, has been provided. Results of the PSD Addendum demonstrate no exceedances of National Ambient Air Quality Standards in accordance with the results of modeling to the new Hanford Site AAB.

I certify, based on information and belief formed after reasonable inquiry, the statements and information in this addendum are true, accurate, and complete.

If you have any questions, please contact me, or your staff may contact Bryan R. Trimmerger, Environmental Compliance Division, Office of River Protection, on (509) 376-2674.

Sincerely,

Brian T.
Vance

Digitally signed by Brian
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Date: 2021.02.16
11:20:30 -08'00'

Brian T. Vance
Manager

ECD:BRT

Attachment

cc: See page 2

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Attachment
21-ECD-000488

Addendum to the Prevention of Significant Deterioration (PSD) Air Permit
24590-WTP-RPT-ENV-20-003, Rev. 0

(33 Pages Including Cover Sheet)



Addendum to the Prevention of Significant Deterioration (PSD) Air Permit

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Department: WTP Environmental Protection

Author(s): Brian Walker

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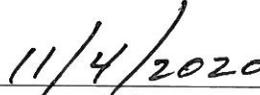
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Approved by: Robert Haggard

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History Sheet

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0	Initial issuance	

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Acronyms

AAB	ambient air boundary
AERMOD	American Meteorological Society/Environmental Protection Agency Regulatory modeling system
BACT	best available control technology
BPIP	building profile input program
CAA	Clean Air Act
CCN	correspondence control number
CFR	Code of Federal Regulations
DOE	U.S. Department of Energy
Ecology	Washington State Department of Ecology
EMF	Effluent Management Facility
HLW	High-Level Waste (Facility)
Lab	Analytical Laboratory
LAW	Low-Activity Waste (Facility)
MOA	memorandum of agreement
NAAQS	National Ambient Air Quality Standards
NO _x	nitrogen oxide
NSR	new source review
PM	particulate matter
PM-2.5	particulate matter 2.5 micrometers or less in diameter
PM-10	particulate matter 10 micrometers or less in diameter
PSD	Prevention of Significant Deterioration
PTF	Pretreatment (Facility)
SIL	Significant Impact Level
WAC	Washington Administrative Code
WTP	Hanford Tank Waste Treatment and Immobilization Plant

1 Introduction

On July 23, 2020, the U.S. Department of Energy (DOE) and Washington State Department of Ecology (Ecology) signed a Memorandum of Agreement (MOA) pertaining to adjustment of the Hanford Site Ambient Air Boundary (AAB) (CCN 322301). In the MOA, DOE agreed to update the modeling used in its application for the Hanford Tank Waste Treatment and Immobilization Plant (WTP) Prevention of Significant Deterioration (PSD) air permit (PSD No. 02-01) using the revised AAB (Figure 1) in order to determine the effect of the new AAB on the modeling results relative to current standards for nitrogen oxides and particulate matter 10 microns or less [PM-10]. Preliminary modeling results were required to be provided to Ecology no later than 90 days after the effective date of the MOA. The commitment to provide preliminary modeling results to Ecology was met on September 11, 2020 via CCN 321171, Email from Bryan Trimberger (DOE) to Ranil Dhammapala (Ecology), *Hanford Site WTP – PSD Permit Modeling Preliminary Results*. Associated modeling files were provided to Ecology on September 14, 2020 via CCN 321173, Email from Tanya Williams (MSA) to Ranil Dhammapala (Ecology), *WTP PSD Modeling Files – Available for Download*. Ecology was satisfied with the preliminary modeling.

In addition, DOE committed to submitting an addendum to the original PSD permit application as soon as practicable but no later than 270 days after the effective date of the MOA. This document serves as the PSD permit addendum.

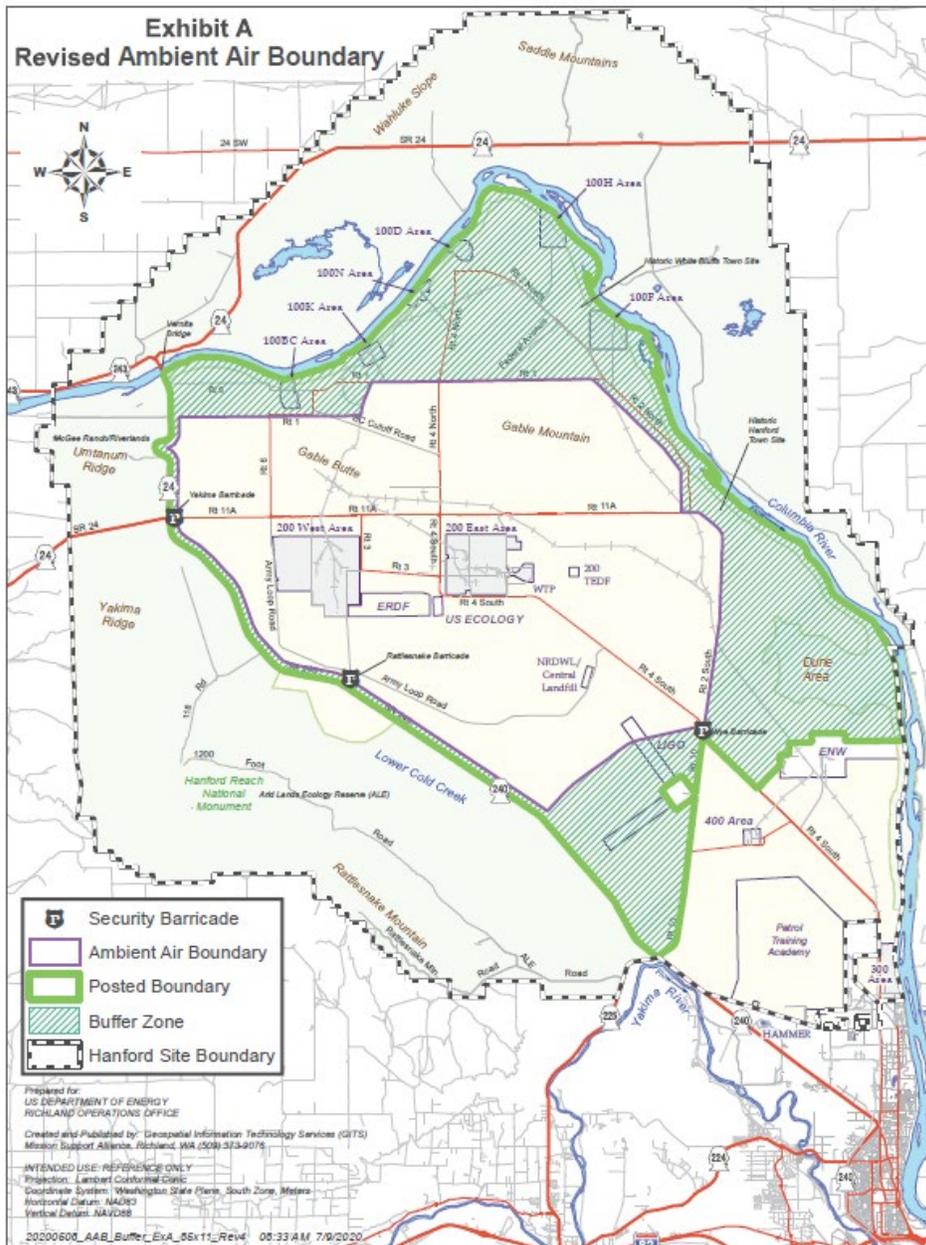
2 Background

Prior to commencing construction on the WTP project an analysis of the potential criteria pollutant emissions was completed to satisfy PSD regulations under the *Clean Air Act* (CAA), as administered by Ecology under Washington Administrative Code (WAC) 173-400-720 and the U.S. Environmental Protection Agency (EPA) under 40 Code of Federal Regulations (CFR) 52.21. Based on projected maximum potential emissions, nitrogen oxides (NO_x) and particulate matter (PM-10) emissions have the potential to be emitted at levels requiring PSD review. Other criteria pollutants are estimated to be below PSD threshold.

The analysis lead to submittal of a PSD permit application which was approved by Ecology on July 2, 2002 (PSD-02-01) and allowed start of construction of the WTP. PSD-02-01 was amended several times since initial issuance to incorporate WTP design changes, and includes the following emission sources subject to PSD review: Pretreatment (PTF) facility, Low-Activity Waste (LAW) facility, High-Level Waste (HLW) facility, Steam Plant with six boilers, a type-1 emergency diesel generator, two emergency diesel turbine generators, and two diesel fire pumps.

A Best Available Control Technology (BACT) analysis was performed for both NO_x and PM-10 emissions from each emission unit. The analysis reviewed control technology options, eliminated technically infeasible options, ranked remaining options and selected the proposed controls. Ecology approved the selected controls based on *Prevention of Significant Deterioration Application for Hanford Tank Waste Treatment and Immobilization Plant* (24590-WTP-RPT-ENV-01-007) and *Prevention of Significant Deterioration Permit Application Supplement to PSD-02-01, Amendment 2* (24590-WTP-RPT-ENV-12-001).

Figure 1 Revised Hanford Site Ambient Air Boundary



3 Scope

Consistent with the MOA, deliverable II.A.1.b, this PSD addendum provides an updated ambient air impact analysis to the revised AAB for NO_x and PM-10. In Figure 1, the revised AAB is represented by the purple line and the AAB used in the original WTP PSD application is represented by the black and white dotted line. Emission rates from the previous PSD Permit applications were reviewed with Ecology and considered reasonable for this addendum. Using the American Meteorological Society/Environmental Protection Agency Regulatory modeling system (AERMOD), Version 19191, air dispersion modeling was performed to determine estimated concentrations of NO_x and PM-10 at the revised AAB. Modeling

results were compared to the PSD Significant Impact Levels (SIL) and National Ambient Air Quality Standards (NAAQS) to determine compliance.

4 Facility Location

The WTP site is on the eastern part of the 200 East Area within the DOE Hanford Site (refer to Figure 2 and Figure 3). The WTP site is northwest of Richland, Washington; on the 7.5-minute quadrangle topographic map of Gable Butte, it is in Section 3, T12N, R26E, Willamette Meridian. The latitude and longitude coordinates corresponding to the general WTP site are approximately N 46°33'4", W 119°30'9".

Figure 2 Location of the WTP on the Hanford Site

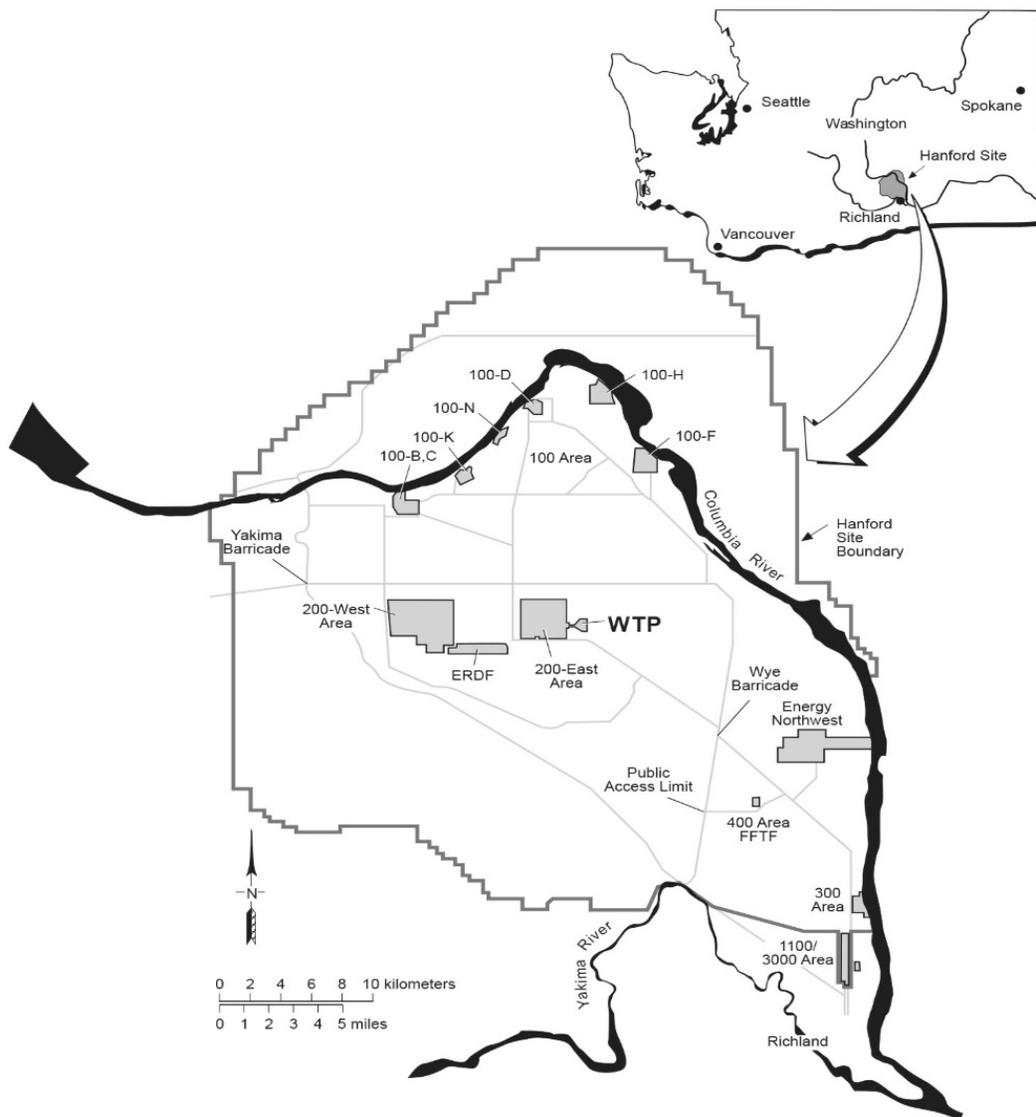
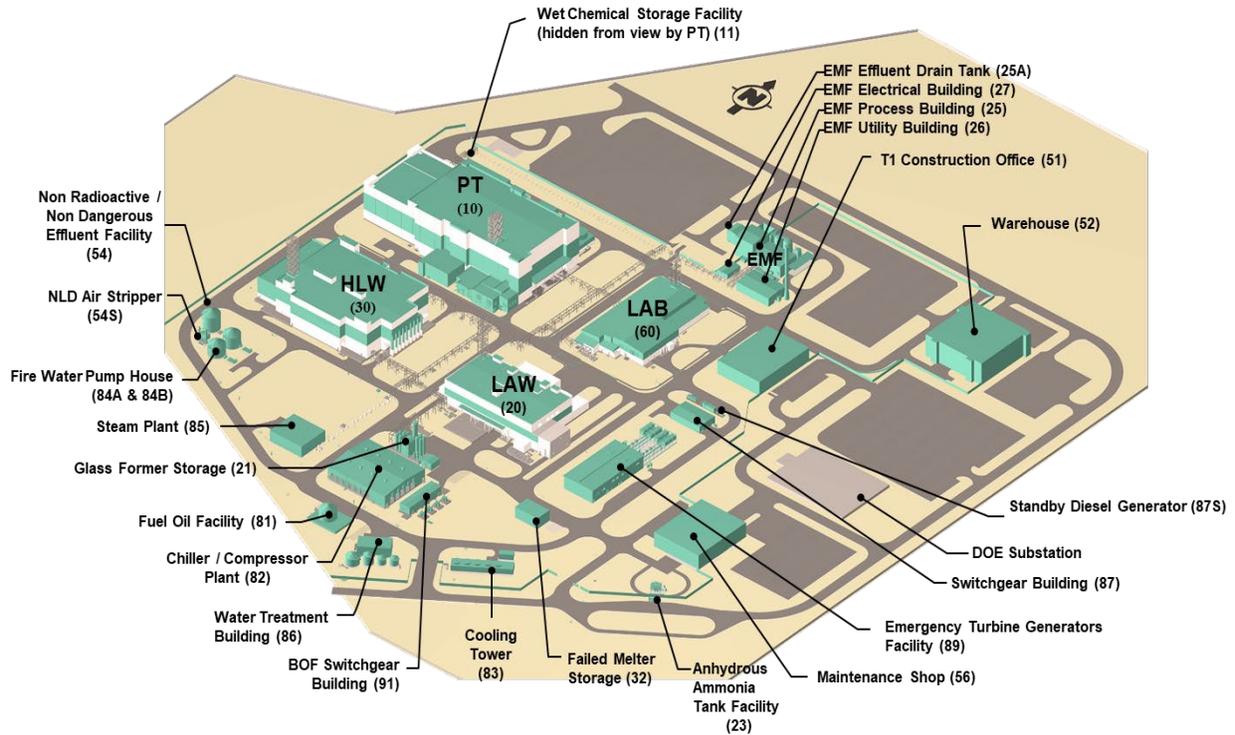


Figure 3 WTP Facility Layout



5 Process Descriptions

WTP is not proposing any changes in emission unit process operations associated with this addendum.

6 Air Modeling Plan

Modeling included nitrogen oxides and particulate matter 10 microns or less [PM-10] from all WTP emissions sources identified in PSD-02-01. Nitrogen oxide emissions were modeled as nitrogen dioxide. All particulate matter (PM) was assumed to be PM-10. Based on this assumption, calculated PM-2.5 from 24590-WTP-RPT-ENV-12-001 (only calculated for turbine generators and fire pump engines) was added to the PM-10 modeled rates.

SIL and NAAQS Standards for NO₂ and PM-10 emissions are identified in Table 1 below.

Table 1 Applicable PSD Significant Impact Levels and NAAQS

Pollutant	Averaging Period	Significant Impact Level (µg/m³)	NAAQS Primary Standard (µg/m³)
NO ₂	Annual	1	100
	1-hour	7.5	188
PM-10	Annual	1	---
	24-hour	5	150

The air modeling parameters listed below were included in the air modeling for this PSD addendum.

- Ambient air concentrations at the Hanford Site boundary were estimated using the AERMOD dispersion model, Version 19191.
- Receptor Spacing
 - AAB receptor spacing = 200 meter
 - Grid receptor spacing = 200 meter, centered on the Hanford Site
 - Flagpole receptor height (above ground level): 1.5 meters (for NO₂ 1-hour standard)
- Meteorological Data
 - Years 2015-2019
 - Surface Station number = 12321 (Hanford Meteorological Station)
 - Upper Air Station number = 4106 (Spokane, Washington, National Weather Service)
- National Elevation Dataset (NED)
 - Processed using AERMAP Executable – 18081
- Building Downwash
 - No, due to distance from source to nearest receptor
- Deposition
 - Not used
- Class 1 Analysis (no modeling)
 - FLAG Q/D Screening Analysis (reference 24590-WTP-RPT-ENV-12-001 calculation)

The surface meteorological inputs were from the Hanford Meteorological Station and the upper air data was obtained from the Spokane, Washington, National Weather Service for the years 2015-2019. Figure 4 contains wind speed (meters/second), wind direction, and percentage of occurrence for the years 2015-2019 from the Hanford Site Meteorological Station.

Figure 4 Hanford Site Meteorological Wind Rose

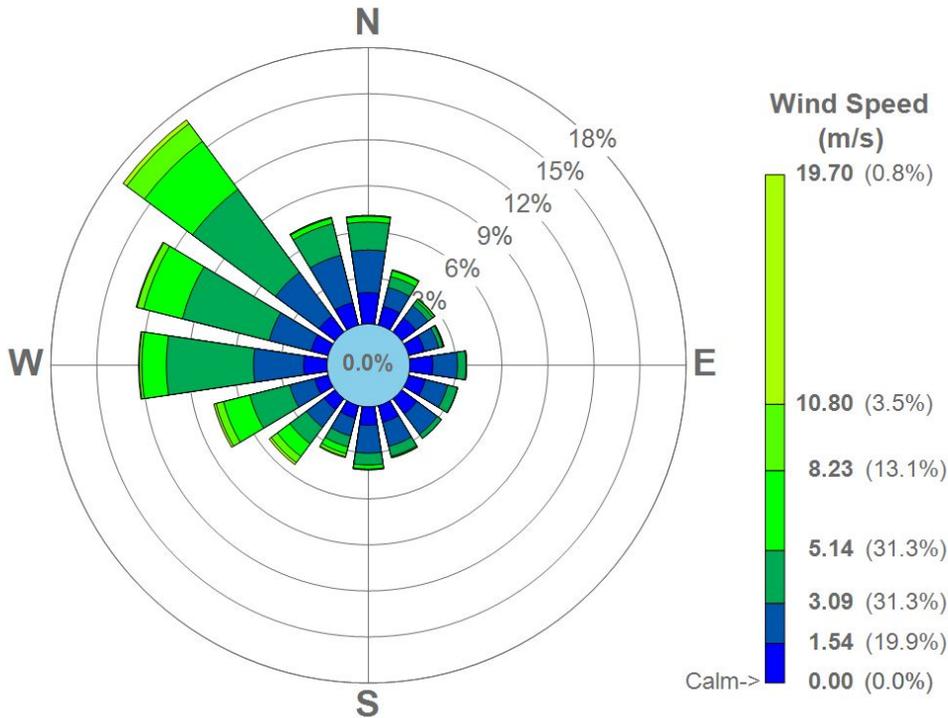
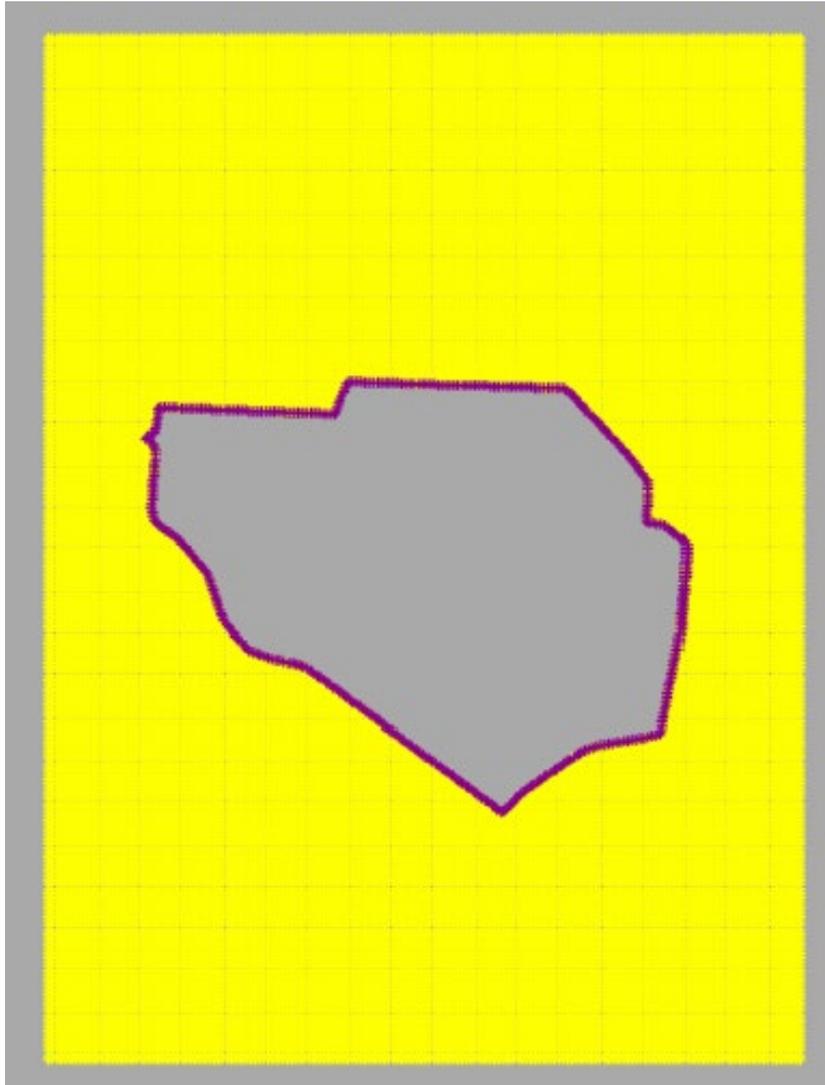


Figure 5 Hanford Site Ambient Air Boundary With 200 Meter Receptor Grid



6.1 Emission Source Modeling Parameters

Modeling used actual emission units at the WTP as source inputs. Source parameters were derived from the latest preliminary design data (Table 2). WTP emission units not included in the PSD Permit include the three emission units at the analytical laboratory, high-level waste facility pulse jet ventilation emission unit HV-S4, and Effluent Management Facility (EMF) emission unit EM-1. Criteria pollutant emissions from these units are negligible; thus, are not included as sources in the PSD analysis.

Table 2 WTP Emission Source Modeling Parameters

ID	Description	X Coord (m)	Y Coord (m)	Stack Height (m)	Temp (K)	Velocity (m/s)	Diameter (m)
LVS3	LAW Stack	308049.3	5158251.47	60.50	338.71	12.2	0.46
HVS3A	HLW Stack 1	307862.91	5158217.13	60.96	408.15	9.82	0.31
HVS3B	HLW Stack 2	307863.2	5158217.13	60.96	408.15	9.82	0.31
PTS3	PTF Stack 1	307967.4	5158361.2	60.96	311.00	17.69	0.61
PTS4	PTF Stack 1	307968.22	5158361.32	60.96	311.00	17.80	0.91
BLR1	Boiler 1	307967.4	5158361.2	10.67	425.00	12.19	0.91
BLR2	Boiler 2	307968.22	5158361.32	10.67	425.00	12.19	0.91
BLR3	Boiler 3	307959.9	5158077.10	10.67	425.00	12.19	0.91
BLR4	Boiler 4	307954.4	5158077.2	10.67	425.00	12.19	0.91
BLR5	Boiler 5	307961.4	5158086.3	10.67	425.00	12.19	0.91
BLR6	Boiler 6	307954.4	5158086.3	10.67	425.00	12.19	0.91
TURB1	Emergency Turbine	307968.9	5158086.3	17.30	804.82	51.21	1.22
TURB2	Emergency Turbine	307968.9	5158077.3	17.30	804.82	51.21	1.22
FIRE1	Fire Pump Diesel	308210.7136	5158251.77	3.05	988.71	42.48	0.15
FIRE2	Fire Pump Diesel	308210.7136	5158251.77	3.05	988.71	42.48	0.15
TYPE1GEN	Standby Diesel	307876.17	5158144.99	4.57	1060.93	62.79	0.46

NO_x and PM-10 air emissions identified in the PSD permit applications [(*Prevention of Significant Deterioration Application for Hanford Tank Waste Treatment and Immobilization Plant (24590-WTP-RPT-ENV-01-007)*) and (*Prevention of Significant Deterioration Permit Application Supplement to PSD-02-01, Amendment 2 (24590-WTP-RPT-ENV-12-001)*)] are provided in Table 3 below. These estimated emissions were used in the air modeling for this PSD addendum.

Table 3 Annual WTP PSD-Regulated Criteria Pollutant Emissions

Criteria Pollutant (short tons/year)	PTF	LAW	HLW	Boilers	Type I Diesel Generator	Diesel Turbine Generators	Fire Water Pump Engines	Total
NO _x	0.44	36.7	8.5	84.3	5.4	11.4	0.78	147.52
PM10	2.03	1.57	1.18	18.7	0.18	0.1 (PM-2.5 = 0.04)	0.03 (PM-2.5 = 0.02)	23.79

To calculate emission rates for modeled concentration comparison to the annual, 1-hour, and 24-hour SILs and NAAQS standards, the following operational parameters are assumed:

- Annual
 - Engines
 - Annualized for annual SIL comparison.
 - Type I Generator – 164 hours/year
 - 2 fire water pumps – 230 hours/year
 - 2 turbines – 164 hours/year
 - Boilers
 - 3 boilers – 8,760 hours per year
 - 3 boilers (42%) - 3679 hours per year
- 1-Hour
 - All sources
 - 8,760 hours per year
- 24-Hour
 - Engines
 - Type I Generator – 8/24-hours
 - 2 fire water pumps – 3/24-hours
 - 2 turbines – 8/24-hours
 - Boilers
 - 6 boilers – 24/24-hours

Emission rates (Table 4) for each of the models (NO₂ 1-hour, NO₂ Annual, PM-10 24-hour, and PM-10 Annual) were calculated using annual estimates in Table 3 and the operational parameters listed above.

Table 4 WTP Emissions Estimate

Source Description	Nitrogen Dioxide		PM-10			Modeled Emission Rates			
	Annualized Average	Emissions Estimate ¹	Annualized Average	24-hour Average	Emissions Estimate ¹	NO ₂ 1-Hour	NO ₂ Annual	PM-10 Annual ²	PM-10 24-Hour ²
	1-hour (lbs/hour)	Annual (tons/year)	1-hour (lbs/hour)	24-hour (lbs/hour)	Annual (tons/year)	grams / second	grams / second	grams / second	grams / second
LAW Stack	8.38E+00	36.70	3.61E-01	3.60E-01	1.58	1.06E+00	1.06E+00	4.55E-02	4.54E-02
HLW Stack 1	9.70E-01	4.25	1.35E-01	1.35E-01	0.59	1.22E-01	1.22E-01	1.70E-02	1.70E-02
HLW Stack 2	9.70E-01	4.25	1.35E-01	1.35E-01	0.59	1.22E-01	1.22E-01	1.70E-02	1.70E-02
PTF Stack 1	5.02E-02	0.22	2.33E-01	2.33E-01	1.02	6.33E-03	6.33E-03	2.93E-02	2.93E-02
PTF Stack 2	5.02E-02	0.22	2.33E-01	2.33E-01	1.02	6.33E-03	6.33E-03	2.93E-02	2.93E-02
Boiler 1	4.52E+00	19.79	1.00E+00	1.00E+00	4.39	5.69E-01	5.69E-01	1.26E-01	1.26E-01
Boiler 2	4.52E+00	19.79	1.00E+00	1.00E+00	4.39	5.69E-01	5.69E-01	1.26E-01	1.26E-01
Boiler 3	4.52E+00	19.79	1.00E+00	1.00E+00	4.39	5.69E-01	5.69E-01	1.26E-01	1.26E-01
Boiler 4	1.90E+00	8.31	4.21E-01	1.00E+00	1.84	2.39E-01	2.39E-01	5.30E-02	1.26E-01
Boiler 5	1.90E+00	8.31	4.21E-01	1.00E+00	1.84	2.39E-01	2.39E-01	5.30E-02	1.26E-01
Boiler 6	1.90E+00	8.31	4.21E-01	1.00E+00	1.84	2.39E-01	2.39E-01	5.30E-02	1.26E-01
Emergency Turbine Generator 1	1.30E+00	5.70	1.60E-02	2.85E-01	0.07	1.64E-01	1.64E-01	2.01E-03	3.59E-02
Emergency Turbine Generator 2	1.30E+00	5.70	1.60E-02	2.85E-01	0.07	1.64E-01	1.64E-01	2.01E-03	3.59E-02
Fire Pump Diesel Engine 1	8.90E-02	0.39	5.71E-03	3.26E-02	0.03	1.12E-02	1.12E-02	7.19E-04	4.11E-03
Fire Pump Diesel Engine 2	8.90E-02	0.39	5.71E-03	3.26E-02	0.03	1.12E-02	1.12E-02	7.19E-04	4.11E-03
Standby Diesel Generator	1.22E+00	5.35	4.11E-02	7.32E-01	0.18	1.54E-01	1.54E-01	5.18E-03	9.22E-02

¹ Emissions estimates for each source correspond with the total tons/year for each unit type in Table 3.

² PM-10 Annual emission rates assume an annualized average based on yearly hours of operation. PM-10 24-Hour emission rates are based on the estimated hourly emissions and daily hours of operation. NO₂ 1-Hour are based on 8760 hours/year operation of each unit.

7 Ambient Air Boundary Modeling Results

The modeling plan detailed in Section 6 was used to develop an air dispersion model for meteorological years 2015 through 2019. Results are compared to the PSD SIL for each criteria pollutant and averaging period. Table 5 provides the modeled annual averages for NO₂ and PM-10. Table 6 compares the highest highs to the SIL.

Table 5 Ambient Air Boundary Modeling Results

Modeled Year	Nitrogen Dioxide		Particulate Matter – 10	
	Annual Average (µg/m ³)	1-Hour High Average* (µg/m ³)	Annual Average (µg/m ³)	24-Hour High Average (µg/m ³)
2015	0.2189	95.8967	0.0390	0.6592
2016	0.2276		0.0420	0.6489
2017	0.2198		0.0403	0.6262
2018	0.2108		0.0387	0.6798
2019	0.2134		0.0380	0.7160

*Multi-year average of 2015-2019 of the highest 1-hour concentration.

Table 6 Comparison of Modeled High to SILs

Criteria Pollutant	Averaging Period	Significant Impact Levels (µg/m ³)	Modeled Highs (µg/m ³)	Exceeds SIL?
Nitrogen Dioxide	Annual	1	0.2276	No
	1-hour	7.5	95.8967	Yes
Particulate Matter - 10	Annual	1	0.0420	No
	24-hour	5	0.7160	No

The NO₂ 1-hour 1st high modeled 2015-2019 multi-year average concentration exceeded the SIL of 7.5 µg/m³; therefore, compliance with the NO₂ 1-hour standard was modeled for comparison with the primary NAAQS of 188 µg/m³. The highest NO₂ 1-hour background concentration for the modeling domain is 48.88 µg/m³ (<https://idahodeq.maps.arcgis.com/apps/MapSeries/index.html?appid=0c8a006e11fe4ec5939804b873098dfe>).

Table 7 presents the results of the NAAQS modeling. As shown in Figure 10, the 8th highest 1-hour NO₂ 2015-2019 multi-year average concentration is 41.41 µg/m³. The total ambient impact, 90.29 µg/m³, does not exceed the NAAQS primary standard.

Table 7 Summary of 1-hour NO₂ Modeled Impacts and Comparison to NAAQS

Modeled 8th Highest 1-Hour (µg/m³)	Background Concentration (µg/m³)	Total Ambient Impacts (µg/m³)	1-Hour NO₂ Primary NAAQS (µg/m³)	Exceeds NAAQS?
41.41	48.88	90.29	188	<i>No</i>

Figure 6 Nitrogen Dioxide Annual High Location

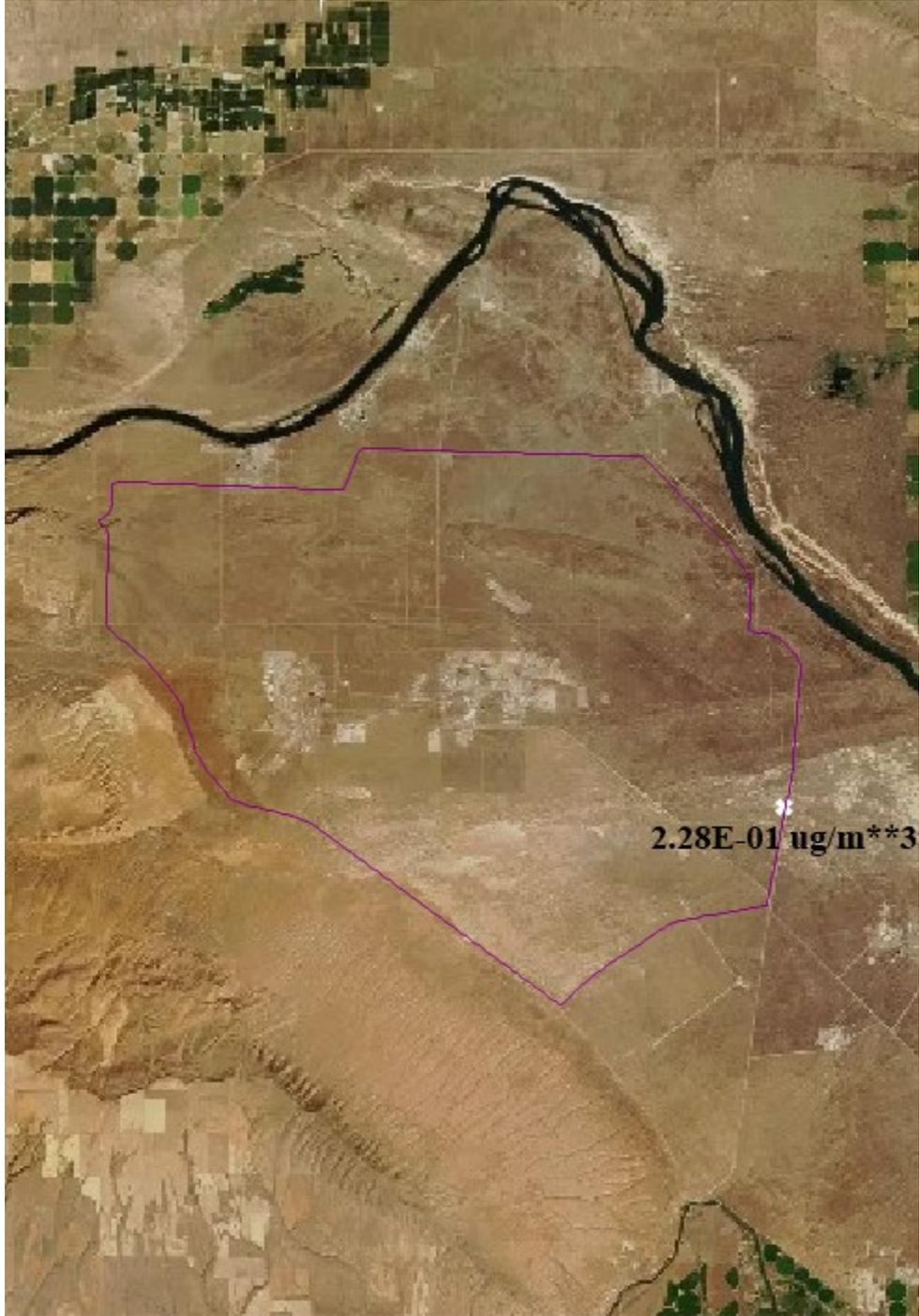


Figure 7 Nitrogen Dioxide 1-Hour 1st High Location



Figure 8 PM-10 Annual High Location

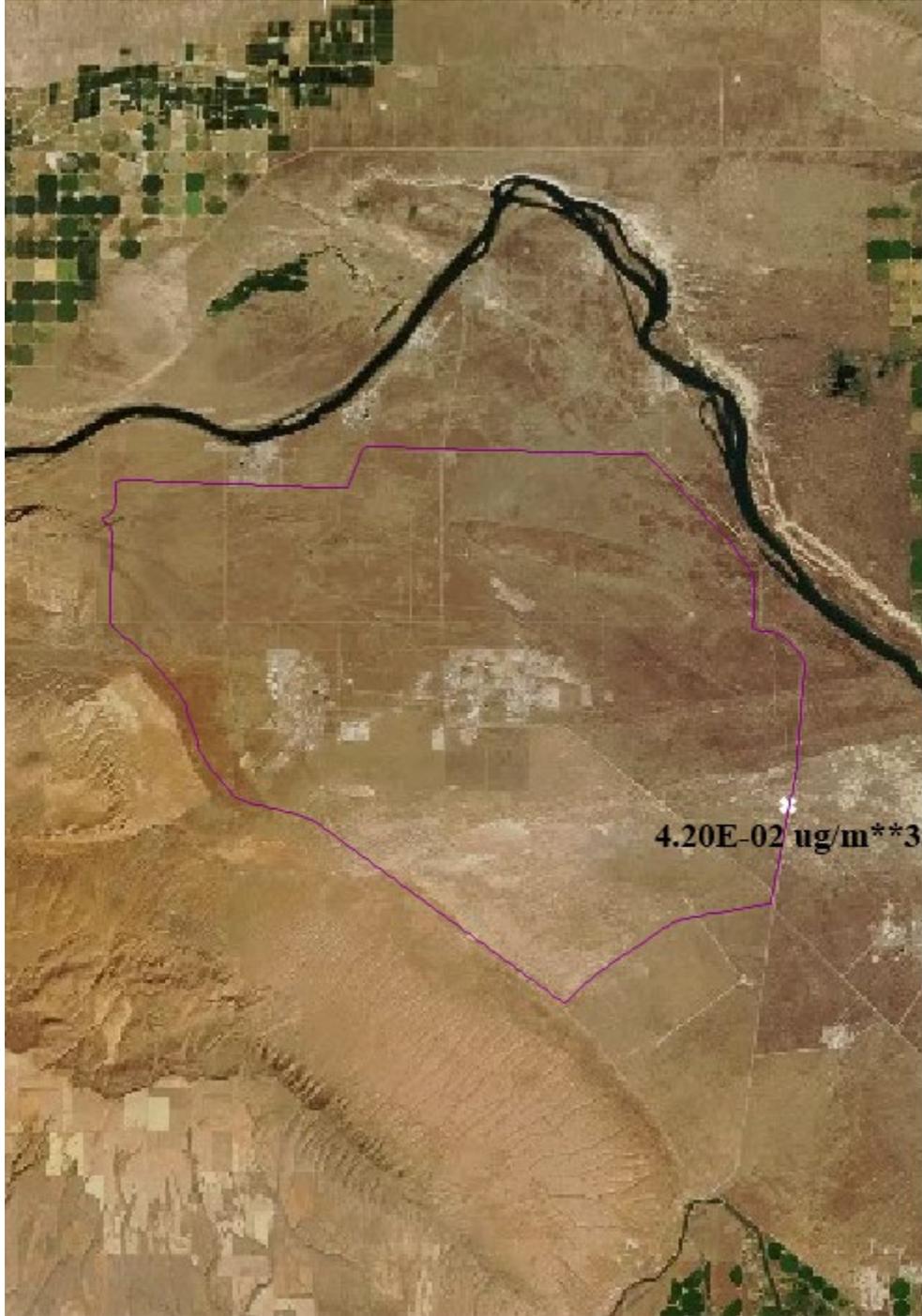


Figure 9 PM-10 24-Hour High Location

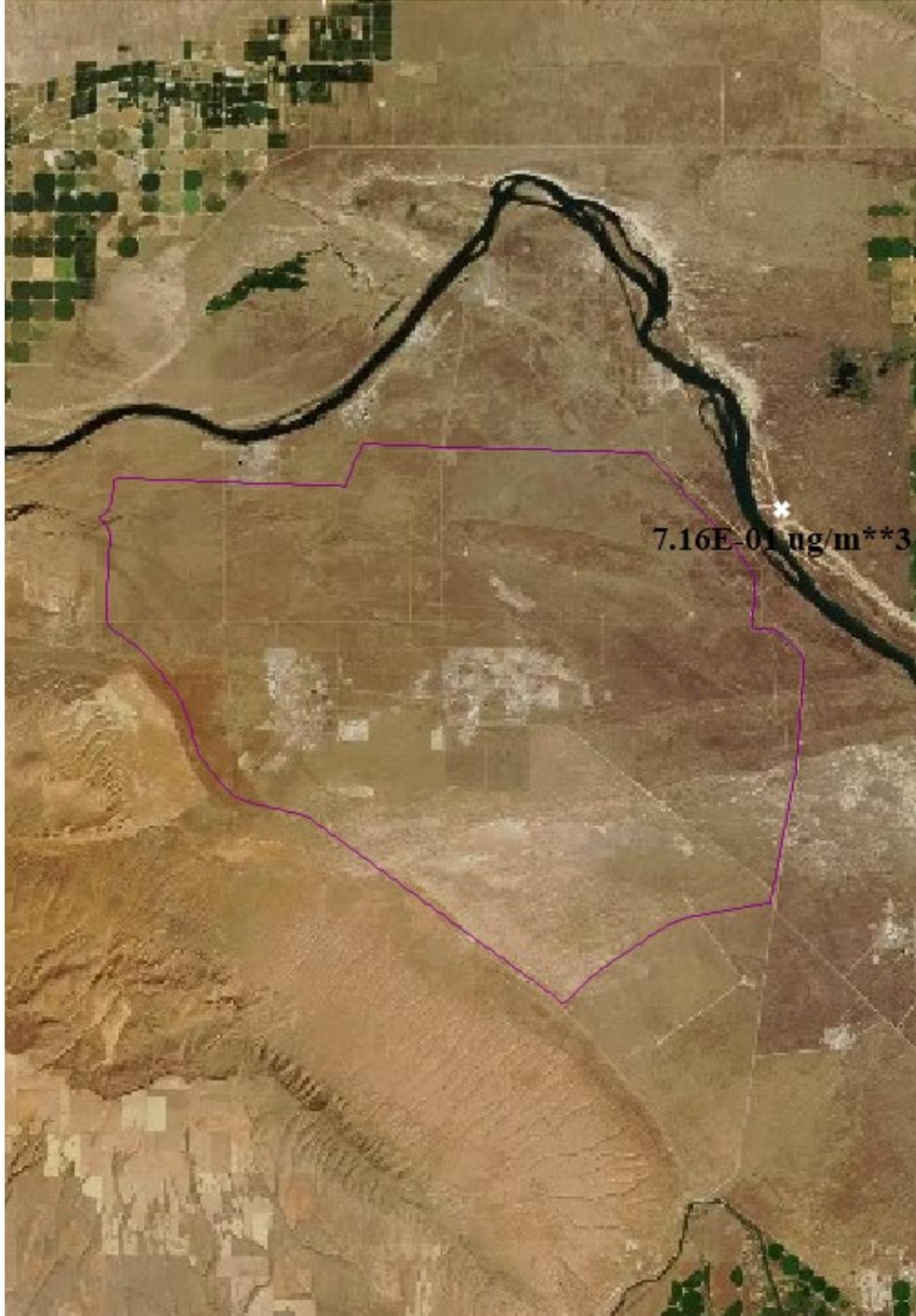
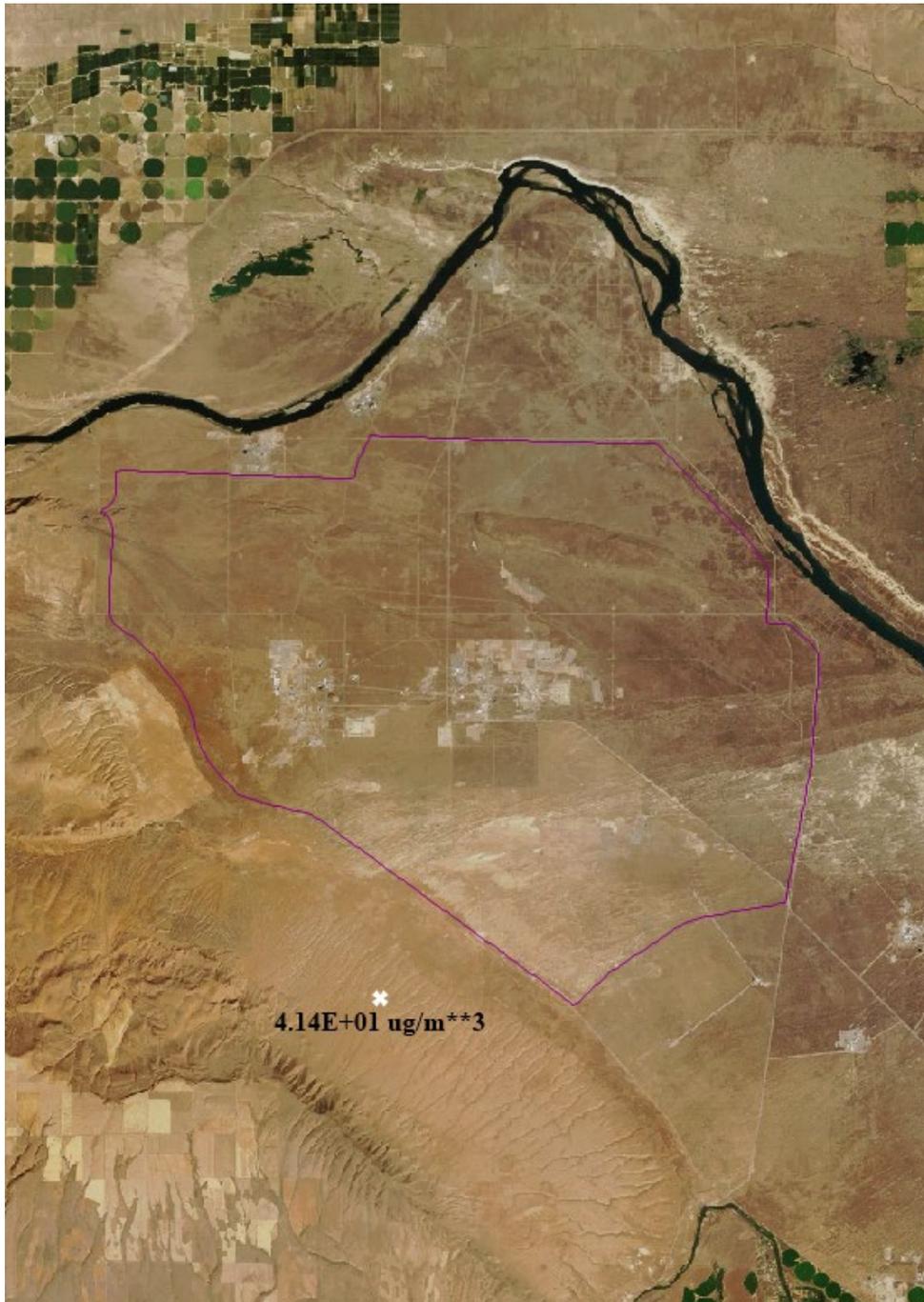


Figure 10 Nitrogen Dioxide 1-Hour 8th High



8 Conclusions

NO₂ annual air impacts, PM-10 annual air impacts, and PM-10 24-hour air impacts do not exceed their SILs. NO₂ 1-hour air impacts exceed the SIL but not the NAAQS. Therefore, no PSD air permit modification is required based on the new Hanford Site AAB.

9 References

9.1 Project Documents

24590-WTP-RPT-ENV-01-007, Rev 1, *Prevention of Significant Deterioration Application for Hanford Tank Waste Treatment and Immobilization Plant.*

24590-WTP-RPT-ENV-12-001, Rev 1, *Prevention of Significant Deterioration Permit Application Supplement to PSD-02-01, Amendment 2.*

CCN 321171, email, Bryan Trimberger (DOE) to Ranil Dhammapala (Ecology), *Hanford Site WTP – PSD Permit Modeling Preliminary Results*, 11 September 2020.

CCN 321173, Email from Tanya Williams (MSA) to Ranil Dhammapala (Ecology), *WTP PSD Modeling Files – Available for Download*

CCN 322301, Memorandum of Agreement between the U.S. Department of Energy Richland Operations Office and Office of River Protection and the Washington State Department of Ecology regarding the Hanford Ambient Air Boundary, 22 July 2020.

9.2 Codes and Standards

40 CFR 60, *Standards of Performance for New Stationary Sources*, Code of Federal Regulations.

42 USC 7401 et seq., Clean Air Act of 1970.

WAC 173-400, *General Regulations for Air Pollution Sources*, Washington Administrative Code, Olympia, WA.

WAC 173-400-110, *New Source Review (NSR) for Sources and Portable Sources*

40 CFR 52.21, *Prevention of Significant Deterioration of Air Quality*

WAC 173-400-720, *Prevention of Significant Deterioration*

9.3 Other Documents

Hanford Air Operating Permit 00-05-006, Washington State Department of Ecology, Olympia, WA.

PSD-02-01, *Prevention of Significant Deterioration (PSD) Permit*, Amendment 3, Washington State Department of Ecology, Olympia, WA.



Concurrence Sheet

CCN: 322640

Due Date: 11/24/20

Title	Name	Concurrence Required	Initials	Date
STEP 1:				
Originator	B. A. Walker	<input checked="" type="checkbox"/>	Att'd	11/10/10
Line Manager	S. A. Davis	<input checked="" type="checkbox"/>	Att'd	11/10/20
Correspondence Coordinator – Initial Review <i>(complete letter package with concurrence sheet and attachments)</i>	C. A. Bernier	<input checked="" type="checkbox"/>	Email	11/12/20

STEP 2: **Do not proceed until Correspondence Coordinator initial review is completed.**				
Prime Contract Manager	B. D. Ponte	<input checked="" type="checkbox"/>	Email	11/17/20
Project Director	V. McCain	<input checked="" type="checkbox"/>	Signator	
Manager of Engineering & Design Authority	I. Milgate	<input type="checkbox"/>		
Manager of Procurement & Subcontracts	F. R. Salaman	<input type="checkbox"/>		
Manager of Project Controls & Business Services	M. G. McCluskey	<input type="checkbox"/>		
Acting Area Manager for Mission Integration	I. Milgate	<input type="checkbox"/>		
Manager of Quality	R. S. Jolly	<input type="checkbox"/>		
Area Manager – DFLAW	W. T. Taylor	<input checked="" type="checkbox"/>	Email	11/17/20
Area Manager – HLW and PT	C. A. Musick	<input type="checkbox"/>		
Manager of Nuclear Safety Engineering	D. A. Klein	<input type="checkbox"/>		
Senior Legal Counsel	L. Droubay	<input checked="" type="checkbox"/>	Email	11/19/20
Deputy Project Director	F. Presti	<input checked="" type="checkbox"/>	Email	11/19/20
Project Technical Rep – Construction	S. A. Wright	<input type="checkbox"/>		
Project Technical Rep – Startup & Commissioning	T. L. Hissong	<input type="checkbox"/>		
Environmental Protection Manager	R. D. Haggard	<input checked="" type="checkbox"/>	Att'd	11/10/20

Additional Reviewers				
Title	Name		Initials	Date
		<input type="checkbox"/>		
		<input type="checkbox"/>		

STEP 3:				
Correspondence Coordinator – Final Review <i>(prior to signature)</i>	C. A. Bernier	<input checked="" type="checkbox"/>	Email	11/24/20

To Be Completed by Prime Contracts During Concurrence Process.

Written Response Required	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	PAIL Action:	_____
PAIL Action	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	PAIL Due Date:	_____
ORP Actionee:	_____	WTP Responsible Manager:	_____



Concurrence Sheet

CCN: 322640

Due Date: 11/24/20

Title	Name	Concurrence Required	Initials	Date
STEP 1:				
Originator	B. A. Walker	<input checked="" type="checkbox"/>	BAW	11/10/20
Line Manager	S. A. Davis	<input checked="" type="checkbox"/>	SAD	11/10/2020
Correspondence Coordinator – Initial Review <i>(complete letter package with concurrence sheet and attachments)</i>	C. A. Bernier	<input checked="" type="checkbox"/>		

STEP 2: **Do not proceed until Correspondence Coordinator initial review is completed.**

Prime Contract Manager	B. D. Ponte	<input checked="" type="checkbox"/>		
Project Director	V. McCain	<input checked="" type="checkbox"/>		
Manager of Engineering & Design Authority	I. Milgate	<input type="checkbox"/>		
Manager of Procurement & Subcontracts	F. R. Salaman	<input type="checkbox"/>		
Manager of Project Controls & Business Services	M. G. McCluskey	<input type="checkbox"/>		
Acting Area Manager for Mission Integration	I. Milgate	<input type="checkbox"/>		
Manager of Quality	R. S. Jolly	<input type="checkbox"/>		
Area Manager – DFLAW	W. T. Taylor	<input checked="" type="checkbox"/>		
Area Manager – HLW and PT	C. A. Musick	<input type="checkbox"/>		
Manager of Nuclear Safety Engineering	D. A. Klein	<input type="checkbox"/>		
Senior Legal Counsel	L. Droubay	<input checked="" type="checkbox"/>		
Deputy Project Director	F. Presti	<input checked="" type="checkbox"/>		
Project Technical Rep – Construction	S. A. Wright	<input type="checkbox"/>		
Project Technical Rep – Startup & Commissioning	T. L. Hissong	<input type="checkbox"/>		
Environmental Protection Manager	R. D. Haggard	<input checked="" type="checkbox"/>	RDA	11/10/2020

Additional Reviewers

Title	Name	Concurrence Required	Initials	Date
		<input type="checkbox"/>		
		<input type="checkbox"/>		

STEP 3:

Correspondence Coordinator – Final Review <i>(prior to signature)</i>	C. A. Bernier	<input checked="" type="checkbox"/>		
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To Be Completed by Prime Contracts During Concurrence Process.

Written Response Required	<input type="checkbox"/> Yes <input type="checkbox"/> No	PAIL Action:	_____
PAIL Action	<input type="checkbox"/> Yes <input type="checkbox"/> No	PAIL Due Date:	_____
ORP Actionee:	_____	WTP Responsible Manager:	_____



This document has been digitally signed using the Electrosign process.

Document for Signature

Document Number: 322640 **Rev:** N/A

Participants	Signature	Completed	Status	Result	Comments
Signers	11/10/2020 4:29 PM				
Davis, Sheila		11/10/2020 6:09 PM	Completed	Approve	
Walker, Brian		11/10/2020 6:31 PM	Completed	Approve	
Final Approver	11/10/2020 6:31 PM				
Haggard, Robert		11/10/2020 7:42 PM	Completed	Approve	

From: [Bernier, Cheryl](#)
To: [Brooks-Cannon, Lauren](#)
Subject: RE: CCN 322640 - Ready for Review
Date: Thursday, November 12, 2020 4:24:56 PM

I concur

Cheryl Bernier
Prime Contract Correspondence Coordinator
(509) 371-2936 (Office)
(509) 554-4559 (Mobile)
cabernie@bechtel.com

From: Brooks-Cannon, Lauren <lbrooksc@bechtel.com>
Sent: Thursday, November 12, 2020 3:33 PM
To: Bernier, Cheryl <cabernie@Bechtel.com>
Subject: CCN 322640 - Ready for Review

CCN 322640 is ready for your review and is saved on the share in the letter files.

Thank-you,

Lauren Brooks-Cannon

Technical Document Specialist for
Correspondence Coordinator
Bechtel National, Inc. (WTP)
Phone: (509) 371-2131
Email: lbrooksc@bechtel.com

From: [Ponte, Brian](#)
To: [WTP Correspondence](#)
Subject: RE: Action Required: CCN 322640 (Addendum to the PSD Air Permit) - for Concurrence
Date: Tuesday, November 17, 2020 3:24:55 PM

Concur

-

Thanks,

Brian D. Ponte
Prime Contracts Manager
Bechtel Corporation
Tel: +1 509 371 2238 / Mob: +1 509 578 6675

From: WTP Correspondence <wtpcos@Bechtel.com>
Sent: Tuesday, November 17, 2020 3:16 PM
To: Ponte, Brian <bponte@Bechtel.com>
Subject: FW: Action Required: CCN 322640 (Addendum to the PSD Air Permit) - for Concurrence

Just a friendly reminder...

Lauren Brooks-Cannon

Technical Document Specialist for
Correspondence Coordinator
Bechtel National, Inc. (WTP)
Phone: (509) 371-2131
Email: lbrooksc@bechtel.com

From: WTP Correspondence
Sent: Monday, November 16, 2020 8:10 AM
To: Ponte, Brian <bponte@bechtel.com>
Subject: Action Required: CCN 322640 (Addendum to the PSD Air Permit) - for Concurrence

Attached for review is External Correspondence CCN 322640, "Addendum to the Prevention of Significant Deterioration (PSD) Air Permit."

Please provide your concurrence and/or comments by responding to this email.

Concurrences Received: Haggard

Thank-you,

Lauren Brooks-Cannon

From: [Taylor, Walter](#)
To: [WTP Correspondence](#); [Droubay Killoran, Leslie](#)
Cc: [Clemetson, Terri Jo \(TJ\)](#)
Subject: RE: Action Required: CCN 322640 (Addendum to the PSD Air Permit) - for Concurrence
Date: Tuesday, November 17, 2020 4:56:18 PM

Concur

Walt Taylor
DFLAW Area Manager
TR for Safety & Health (acting)
509-371-4465
240-367-5059
MPF A202

From: WTP Correspondence <wtocos@Bechtel.com>
Sent: Tuesday, November 17, 2020 3:37 PM
To: Taylor, Walter <wtaylor2@Bechtel.com>; Droubay Killoran, Leslie <ldroubay@Bechtel.com>
Cc: Clemetson, Terri Jo (TJ) <tjclemet@Bechtel.com>
Subject: Action Required: CCN 322640 (Addendum to the PSD Air Permit) - for Concurrence
Importance: High

Attached for review is External Correspondence CCN 322640, "Addendum to the Prevention of Significant Deterioration (PSD) Air Permit."

Please provide your concurrence and/or comments by responding to this email.

Note: This is **due to ORP by Nov 24th**; your prompt reply is appreciated.

Concurrences Received: Haggard and Ponte

Thank-you,

Lauren Brooks-Cannon

Technical Document Specialist for
Correspondence Coordinator
Bechtel National, Inc. (WTP)
Phone: (509) 371-2131
Email: lbrooksc@bechtel.com

From: [Droubay Killoran, Leslie](#)
To: [WTP Correspondence](#)
Subject: Re: Action Required: CCN 322640 (Addendum to the PSD Air Permit) - for Concurrence
Date: Thursday, November 19, 2020 12:59:31 PM

I concur. Thanks

Sent from my iPad

On Nov 19, 2020, at 1:12 PM, WTP Correspondence <wtpcos@bechtel.com> wrote:

Just a friendly reminder...

Lauren Brooks-Cannon

Technical Document Specialist for
Correspondence Coordinator
Bechtel National, Inc. (WTP)
Phone: (509) 371-2131
Email: lbrooksc@bechtel.com

From: WTP Correspondence
Sent: Tuesday, November 17, 2020 3:37 PM
To: Taylor, Walter <wtaylor2@bechtel.com>; Droubay Killoran, Leslie <ldroubay@bechtel.com>
Cc: Clemetson, Terri Jo (TJ) <tjclemet@bechtel.com>
Subject: Action Required: CCN 322640 (Addendum to the PSD Air Permit) - for Concurrence
Importance: High

Attached for review is External Correspondence CCN 322640, "Addendum to the Prevention of Significant Deterioration (PSD) Air Permit."

Please provide your concurrence and/or comments by responding to this email.

Note: This is **due to ORP by Nov 24th**; your prompt reply is appreciated.

Concurrences Received: Haggard and Ponte

Thank-you,

Lauren Brooks-Cannon

From: [Presti, Felice](#)
To: [WTP Correspondence](#)
Cc: [Clemetson, Terri Jo \(TJ\)](#)
Subject: RE: Action Required: CCN 322640 (Addendum to the PSD Air Permit) - for Concurrence
Date: Thursday, November 19, 2020 2:09:29 PM

I concur



Felice Presti | Deputy Project Director
Bechtel National Inc. | WTP Project
T: (509) 371 8681 | C: (509) 392 2556 | E: fpresti@bechtel.com

From: WTP Correspondence <wtpcos@Bechtel.com>
Sent: Thursday, November 19, 2020 1:26 PM
To: Presti, Felice <fpresti@bechtel.com>
Cc: Clemetson, Terri Jo (TJ) <tjclemet@Bechtel.com>
Subject: Action Required: CCN 322640 (Addendum to the PSD Air Permit) - for Concurrence
Importance: High

Attached for review is External Correspondence CCN 322640, "Addendum to the Prevention of Significant Deterioration (PSD) Air Permit."

Please provide your concurrence and/or comments by responding to this email.

Note: This is **due to ORP by Nov 24th**; your prompt reply is appreciated.

Concurrences Received: Haggard, Ponte, Taylor, and Droubay

Thank-you,

Lauren Brooks-Cannon

Technical Document Specialist for
Correspondence Coordinator
Bechtel National, Inc. (WTP)
Phone: (509) 371-2131
Email: lbrooksc@bechtel.com

From: [Bernier, Cheryl](#)
To: [Brooks-Cannon, Lauren](#)
Subject: RE: CCN 322640 - Ready for Final Review
Date: Tuesday, November 24, 2020 1:03:46 PM

I concur and have updated the concurrence sheet in the folder.

Cheryl Bernier
Prime Contract Correspondence Coordinator
(509) 371-2936 (Office)
(509) 554-4559 (Mobile)
cabernie@bechtel.com

From: Brooks-Cannon, Lauren <lbrooksc@bechtel.com>
Sent: Tuesday, November 24, 2020 12:51 PM
To: Bernier, Cheryl <cabernie@Bechtel.com>
Subject: CCN 322640 - Ready for Final Review

CCN 322640 has been signed and is ready for your final review and PAIL information.

Thank-you,

Lauren Brooks-Cannon

Technical Document Specialist for
Correspondence Coordinator
Bechtel National, Inc. (WTP)
Phone: (509) 371-2131
Email: lbrooksc@bechtel.com