

Lawrence Livermore National Laboratory

April 11, 2023

Mr. Daniel Martinez
Supervising Air Quality Inspector
San Joaquin Valley Air Pollution Control District
1990 E. Gettysburg Avenue
Fresno, CA 93726
Daniel.Martinez@valleyair.org

Subject: LLNL Site 300 Experimental Test Site Prescribed Burning Smoke Management Plan

Facility ID# N-472, Lawrence Livermore National Security, LLC

Dear Mr. Martinez:

Lawrence Livermore National Laboratory (LLNL) has submitted the 2023 Prescribed Burning Smoke Management Plan (SMP) for LLNL Site 300 Experimental Test Site to San Joaquin Valley Air Pollution Control District (SJVAPCD) through the State's Prescribed Fire Information Reporting System (PFIRS). Enclosed with this letter is a copy of the electronic submittal.

If you have any questions regarding this submittal or require additional information, please contact Wai-Man So of my staff at (925) 424-4411.

Sincerely,

-DocuSigned by:

6EA10AF95384431...

Paul Roy, Group Leader Waste and Air Quality Offices Environmental Functional Area



Mr. Daniel Martinez, SJVAPCD LLNL Site 300 Experimental Test Site Prescribed Burning Smoke Management Plan Facility ID# N-472, Lawrence Livermore National Security, LLNS

.

April 11, 2023

Page 2

Enclosure: PFIRS Submittal – 2023 Prescribed Burning Smoke Management Plan for LLNL Site 300 Experimental Test Site

Distribution w/enclosure (PDF):

Amaden, Christopher (NNSA/LFO) Balaban, Nicholas (NNSA/LFO) Baylosis, Maggie Dibley, Valerie Diregolo, Brian (ACFD)

Fechser, Matt

Fratanduono, Meg

Heard, Marcus (NNSA/LFO)

Kodama, Julie

Mishra, Vijay (NNSA/LFO)

Nakasaki, Steve

Naranjo, Alberto

Roy, Paul

Ruiz, Alex

Saabye, Alexandra

Sagert, Juliana

Sharry, John (ACFD)

So, Wai-Man

Stenzel, Jo Anna

Vaughan, Quentin

Wilson, Scott

Wise, Tammy (NNSA/LFO)

Woodrow, Lisa

Woollett, Jim

Site 300 Prescribed Burn File UCM: Site 300, Prescribed Burn

Mr. Daniel Martinez, SJVAPCD LLNL Site 300 Experimental Test Site Prescribed Burning Smoke Management Plan Facility ID# N-472, Lawrence Livermore National Security, LLNS April 11, 2023

Page 3

ENCLOSURE 1

Prescribed Fire Information Reporting System (PFIRS) Submittal –
2023 Prescribed Burning Smoke Management Plan (SMP) for
LLNL Site 300 Experimental Test Site

Current Project: LLNL S300 2023 - SJVAPCD Edit History > Plan Author: Wai-Man So Submittals >

Prescribed Fire Information Reporting System

Tuesday, April 11, 2023

Review SMP for LLNL S300 2023 - SJVAPCD

Returns >

Approvals >

Land Manager Information

Complete

Name of Project	LLNL S300 2023 - SJVAPCD
Permittee	LLNS
Permit Number	
Primary Field Contact	: Brian Diregolo
Other Field Contacts:	
Land Manager Name:	Valerie Dibley/Wai-Man So
Address:	7000 East Ave Livermore, CA 94550
Phone:	(925) 424-4411
24 Hour Phone:	(925) 724-8040
Email:	so5@llnl.gov
Edit Edit	this Land Manager

▼ Landowner Information

Complete

Landowner Na	me: US Government-Dept of Energy
Address:	7000 East Ave Livermore, CA 94550
Edit	Edit this Landowner
Delete	Delete this Landowner
Add	Add a Landowner

Project Specifics

Complete

Project Acres	1967	Duration (days)	12	Overnight Burn?	No
Preferred Season	Spring	Burn Start	05-2023	Burn End	08-2023
Burn Goal	Hazard Reduction				
Primary District	San Joaquin Valley APCD	Secondary District	None/Unknown	Tertiary District	None/Unknown
Edit Ed	dit this information				

Complete ▼ Broadcast Units

Currently Active Units (click to expand) Project 1 (Plots 10 and 9) **General Information** Acres: Tons/Acre: **Fuel Arrangement:** Grassland Fuel Density: **Typical** General Fuel Moisture: Dry Max THFM: Min THFM: 0 Cover Type: VALLEY NEEDLEGRASS GRASSLAND **General Description:** Previously burnt area and primarily native grasses. Table 2 (FL is 1 ton/acre; grass EV **Emissions Calculation Method: Estimated Emissions:** 0.399 of 0.007 PM10/ton fuel) Edit this information. Edit Unit Location County: San Joaquin District: San Joaquin Valley APCD Air Basin: San Joaquin Valley Latitude: 37.643341 Longitude: -121.4962076 Meridian: Mt Diablo Township: 38 Range: 4E Section: 26 Mean Elev: Min Elev: 588 Max Elev: 1044 816

	HW-580		Slope:	Varied		Aspect: Eastern	1
Edit	Edit this i	nformation.					
				Ignition Prescription			
	teorological i			00 Meteorological To	ower		
		sure adequate					
Sfc Wind Dire		Ideal:			ANY	Max: ANY	
Sfc Wind Spe		Ideal:			0	Max: 25	
	nd Direction:	ldeal:			ANY	Max: ANY	
RH:		ldeal:			15	Max: 75	
Temperature		ldeal:	80	Min:	50	Max: 100	
Target Mixing	Height:	500 ft	(above grour	nd level)			
Edit	Edit this i	nformation.					
Delete	Delete Pr	oject 1 (Plots 10	and 9).				
Inactive	Make this	unit inactive.	?				
▼ Project	2 (Plot 8)			General Information		(clic	ck to expand)
Acres: 5	3.8	Tons/Acre:	1	Fuel Arrangement	Grasslar	d Fuel Density:	Typical
General Fuel			Dry	Min THFM:	0	Max THFM:	0
Cover Type:		VALLEY NEEDL				200 mar - 1 11 1911	
General Desc				marily native grasse			
	-			s 1 ton/acre; grass E	v		
Emissions C	alculation Met	thod:	of 0.007 PM1		Estimate	d Emissions:	0.377
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County:	San Joaquin	1	District:	Unit Location San Joaquin Valle	ey APCD	Air Basin: San Joa	aquin Valley
Latitude:	37.65		Longitude:	-121.53	I	Meridian: Mt Diab	lo
Township:	3S		Range:	4E	;	Section: 22	
Min Elev:	820		Max Elev:	1040		Mean Elev: 930	
Crossroads:	HW-580		Slope:	Varied		Aspect: Eastern	
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Source of me	teorological i	nformation:	LLNL S3	Ignition Prescription 00 Meteorological To	ower		
Other consid	erations to en	sure adequate	smoke disper	sion: NA			
Sfc Wind Dire	ection:	ldeal:	W	Min:	ANY	Max: ANY	
Sfc Wind Spe	ed:	Ideal:	15	Min:	0	Max: 25	
	nd Direction:	Ideal:			ANY	Max: ANY	
RH:		Ideal:			15	Max: 75	
Temperature		Ideal:			50	Max: 100	
Target Mixing			t (above grour			mux. 100	
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Inactive		unit inactive.	?				
▼ Project	3 (Plots 7 a	and 21)				(clic	ck to expand)
Acres: 3	5	Tons/Acre:	1	General Information Fuel Arrangement	: Grasslar	d Fuel Density:	Typical
General Fuel	Moisture:		Dry	Min THFM:	0	Max THFM:	0
		VALLEY NEEDL	-			·	
Cover Tyne:							
Cover Type: General Desc		Previously hum	t area and pri	marily native grasse	S.		

Ca	Con Januari		District	Unit Location	elless ADOD	Aim Deet	Con less t	Valler
County:	San Joaquin		District:	San Joaquin Va	alley APCD	Air Basin:	San Joaquin	valley
Latitude:	37.663528		Longitude:	-121.51921		Meridian:	Mt Diablo	
Township:	38		Range:	4E		Section:	15, 22	
Min Elev:	900		Max Elev:	1309		Mean Elev:	1104.5	
Crossroads:	HW-580		Slope:	Varied		Aspect:	Eastern	
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	erations to ensure				TOWCI			
Sfc Wind Dire		Ideal:	W	Min:	ANY	Max:	ANY	
Sfc Wind Spe		Ideal:	15	Min:	0	Max:	25	
Transport Win		Ideal:	NW	Min:	ANY	Max:	ANY	
RH:		Ideal:	25	Min:	15	Max:	75	
Temperature:		Ideal:	80	Min:	50	Max:	100	
Target Mixing			(above groun			·nua		
Delete	Delete Project Make this unit	`						
▼ Project	4 (Plot 45)			General Information	200		(click to e	xpand)
Acres: 5	5.2 Tons/	/Acre:	1	Fuel Arrangeme		land Fuel	Density:	Typical
General Fuel			Dry	Min THFM:	0		THFM:	0
Cover Type:			GRASS GRA				**	-
General Desc	ription: Previ	ously burnt	area and prin	narily native gras	sses.			
General Desc Emissions Ca	ription: Previ			narily native gras 1 ton/acre; grass 0/ton fuel)	e FV	ated Emissions	:	0.386
			Table 2 (FL is	1 ton/acre; grass //ton fuel)	e FV	ated Emissions	::	0.386
Emissions Ca	alculation Method:		Table 2 (FL is	1 ton/acre; grass	s EV Estim	ated Emissions Air Basin:	: San Joaquin	
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Emissions Ca Edit County: Latitude:	Edit this inforn		Table 2 (FL is of 0.007 PM10	1 ton/acre; grass (ton fuel) Unit Location San Joaquin V	s EV Estim	Air Basin:	San Joaquin	
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				The information i	toporting c			
Cover Type:		VALLEY NEEDL						
General Desc	ription:	Previously burn	-	marily native gras				
Emissions Ca	alculation Met	hod:	of 0.007 PM1	: 1 ton/acre; grass 0/ton fuel)	Estim	ated Emissions	:	1.052
Edit	Edit this i	nformation.						
County:	San Joaquin		District:	Unit Location San Joaquin Va	Illey APCD	Air Basin:	San Joaquin	Valley
County: Latitude:	37.67126		Longitude:	-121.51771	illey APCD	Meridian:	Mt Diablo	valley
Township:	38		Range:	4E		Section:	15	
Min Elev:	914		Max Elev:	1322		Mean Elev:	1116	
Crossroads:			Slope:	Varied		Aspect:	Eastern	
Edit	Edit this i	nformation.						
	4			Ignition Prescription				
	teorological in			0 Meteorological	Tower			
		sure adequate s	-		AND		AND	
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Sfc Wind Spe		Ideal:		Min:	0	Max:	25	
Transport Wi	iid Direction:	Ideal:		Min:	ANY	Max:	ANY	
RH:		ldeal:		Min:	15	Max:	75	
Temperature: Target Mixing			80 (above groun	Min:	50	Max:	100	
Inactive ▼ Project		unit inactive. C					(click to ex	xpand)
				General Information				
		Tons/Acre:	1 Dm/	Fuel Arrangeme			Density:	Typical
General Fuel		/ALLEV MEED!	Dry	Min THFM:	0	Max	THFM:	0
Cover Type: General Desc		VALLEY NEEDL		marily native gras	ses.			
	alculation Met	-		1 ton/acre; grass	FV	ated Emissions	:	0.34
Edit	Edit this i	nformation.						
Country	San Jacquin		District:	Unit Location	alley ABCD	Air Pagin	Con Josephin	Valley
County: Latitude:	San Joaquin 37.668212		Longitude:	-121.526966	mey APCD	Air Basin: Meridian:	San Joaquin Mt Diablo	valley
Township:	37.666212 3S		Range:	4E		Section:	15	
Min Elev:	859		Max Elev:	1250		Mean Elev:	1095	
Crossroads:			Slope:	Varied		Aspect:	Eastern	
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				Ignition Prescription	on			
Source of me	teorological i	nformation:	LLNL S30	0 Meteorological	Tower			
		sure adequate s	•					
Sfc Wind Dire		Ideal:		Min:	ANY	Max:	ANY	
Sfc Wind Spe		Ideal:		Min:	0	Max:	25	
Transport Wi	nd Direction:	Ideal:		Min:	ANY	Max:	ANY	
RH:		Ideal:		Min:	15	Max:	75	
Temperature:		Ideal:		Min:	50	Max:	100	
Target Mixing	Height:	500 ft	(above groun	d level)				
Edit	Edit this i	nformation.						
Delete	Delete Pro	oject 6 (Plots 6,	20, 19, 17 & 18	3).				

▼ Project	t 7 (Plot 3)						(click to	Схрана)
Acres:	78.4	Tons/Acre:	1	General Information Fuel Arrangement:	Grassland	Fuel	Density:	Typical
General Fue	el Moisture:		Dry	Min THFM:	0	Max	THFM:	0
Cover Type:		VALLEY NEEDLI	EGRASS GRA	SSLAND				
General Des	scription:	Previously burnt	t area and prir	marily native grasses	•			
Emissions C	Calculation M	lethod:	Table 2 (FL is of 0.007 PM10	1 ton/acre; grass EV 0/ton fuel)	Estimated E	Emissions	:	0.549
Edit	Edit thi	s information.						
•	0		B': 1 ': 1	Unit Location	4000 AT	n	0	
County:	San Joaqu	ıın	District:	San Joaquin Valley		Basin:	San Joaquii	n valley
Latitude:	37.67515		Longitude:	-121.51964		ridian:	Mt Diablo	
Township:	38		Range:	4E		ction:	15	
Min Elev:	864		Max Elev:	1336		an Elev:	1100	
Crossroads	: HW-580		Slope:	Varied	AS	pect:	Eastern	
Edit		s information.		Ignition Prescription				
		Il information:		00 Meteorological Tow	/er			
Otner considers of the Constant of the Constan		ensure adequate s Ideal:	токе aispers W		NY	Max:	ANY	
Sfc Wind Sp		Ideal:	15	Min: A	141	Max:	25	
	Jeeu: /ind Direction		NW		NY	Max:	ANY	
RH:	ווים ביווים ביווים	ldeal:	25	Min: A		Max:	75	
Temperature	•	Ideal:	80	Min: 50		Max:	100	
Target Mixin			(above groun		,	IVIAX.	100	
Edit Delete Inactive	Delete	s information. Project 7 (Plot 3). nis unit inactive.	?					
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Delete Inactive ▼ Project	Delete Make th	Project 7 (Plot 3).	?	General Information	Grassland	Fuel	`	
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Inactive Project Acres: General Fue	Delete Make the Make	Project 7 (Plot 3).	1 Dry	General Information Fuel Arrangement: Min THFM:			Density:	Typical
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Inactive Project Acres: General Fue Cover Type: General Des	Delete Make the Make	Project 7 (Plot 3). nis unit inactive. Tons/Acre: VALLEY NEEDLI Previously burnt	1 Dry EGRASS GRA t area and prir	General Information Fuel Arrangement: Min THFM: ASSLAND marily native grasses.	0	Max	Density: THFM:	Typical
Inactive Project Acres: General Fue Cover Type: General Des	Delete Make the Make	Project 7 (Plot 3). nis unit inactive. Tons/Acre: VALLEY NEEDLI Previously burnt	1 Dry EGRASS GRA t area and prir Table 2 (FL is	General Information Fuel Arrangement: Min THFM: USSLAND Marily native grasses. Ton/acre; grass EV O/ton fuel)	0	Max	Density: THFM:	Typical 0
Inactive Inactive Project Acres: General Fue Cover Type: General Des Emissions C	Delete Make the Make	Project 7 (Plot 3). nis unit inactive. Tons/Acre: VALLEY NEEDLI Previously burnt lethod: s information.	1 Dry EGRASS GRA t area and prir Table 2 (FL is	General Information Fuel Arrangement: Min THFM: ASSLAND marily native grasses.	0 Estimated E	Max	Density: THFM:	Typical 0 0 0.552
Inactive Inactive Project Acres: General Fue Cover Type: General Des Emissions C Edit County:	Delete Make the state of the s	Project 7 (Plot 3). nis unit inactive. Tons/Acre: VALLEY NEEDLI Previously burnt lethod: s information.	1 Dry EGRASS GRA t area and prin Table 2 (FL is of 0.007 PM10	General Information Fuel Arrangement: Min THFM: ISSLAND marily native grasses. I ton/acre; grass EV D/ton fuel) Unit Location	Estimated E	Max Emissions	Density: THFM:	Typical 0 0 0.552
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Target Mixing									
	Height:	5	600 ft (ab	ove groun	nd level)				
Edit	Edit this	information							
Delete	Delete P	Project 8 (Plot	t 5).						
Inactive	Make thi	is unit inactiv	ve. 🔋						
▼ Project 9	9 (Plot 2)							(click t	o expand)
Acres: 65		Tons/Acre:	1		General Information Fuel Arrangemen		assland F	uel Density:	Typical
General Fuel N		TOTIS/ACIE.	Dry	v	Min THFM:	0		ax THFM:	0
Cover Type:		VALLEY NE							
General Descr	ription:	Previously	burnt ar	ea and pri	marily native grass	es.			
Emissions Ca	Iculation Mo	ethod:			s 1 ton/acre; grass 0/ton fuel)	EV Es	timated Emissio	ons:	0.455
Edit	Edit this	information.							
0	0 1	-		1-4-1-4-	Unit Location	A D.O.	D. Air Desire	0 1	de Mallace
-	San Joaqui 37.67566	III		istrict:	San Joaquin Val	ley APC	D Air Basin: Meridian:	San Joaqu	ani valley
	37.67566 3S			ongitude: ange:	-121.53268 4E		Section:	15	
	960			ange. ax Elev:	1310		Mean Elev		
Crossroads:				lope:	Varied		Aspect:	Eastern	
Edit	Edit this	information.		•					
Source of met	eorological	Linformation		IINI 920	Ignition Prescription				
Other conside						OWEI			
Sfc Wind Direc		-	deal:	W	Min:	ANY	Max	k: ANY	
Sfc Wind Spec			deal:	15	Min:	0	Max		
Transport Win			deal:	NW	Min:	ANY	Max	k: ANY	
-				25		7			
RH:		IC	deal:	20	Min:	15	Max	k: 75	
RH: Temperature:			deal: deal:	80	Min: Min:	15 50	Max Max	-	
Temperature: Target Mixing		5	deal: 600 ft (ab		Min:			-	
Temperature: Target Mixing Edit Delete Inactive	Edit this Delete P	to 5 information. Project 9 (Plot is unit inactive	deal: 600 ft (ab	80	Min:			k: 100	o expand)
Temperature: Target Mixing Edit Delete	Edit this Delete P	to 5 information. Project 9 (Plot is unit inactive	deal: 600 ft (ab	80	Min:	50		k: 100	o expand)
Temperature: Target Mixing Edit Delete Inactive Project 1 Acres: 14	Edit this Delete P Make thi	to 5 information. Project 9 (Plot is unit inactive	deal: 600 ft (ab t 2).	80 pove groun	Min: nd level) General Information Fuel Arrangemen	t: Gr	Max assiand Fi	(click t	Typical
Temperature: Target Mixing Edit Delete Inactive Project 1 Acres: 14 General Fuel M	Edit this Delete P Make thi	project 9 (Plot is unit inactiv A) Tons/Acre:	deal: 600 ft (ab	80 pove groun	Min: nd level) General Information Fuel Arrangemen Min THFM:	50	Max assiand Fi	k: 100	
Temperature: Target Mixing Edit Delete Inactive Project 1 Acres: 14 General Fuel M Cover Type:	Edit this Delete P Make thi 10 (Plot 12	s information. Project 9 (Plot is unit inactive) Tons/Acre:	deal: 600 ft (ab . t 2). ve. ?	80 nove groun	Min: nd level) General Information Fuel Arrangemen Min THFM: ASSLAND	t: Gr.	Max assiand Fi	(click t	Typical
Temperature: Target Mixing Edit Delete Inactive Project 1	Edit this Delete P Make thi 10 (Plot 1)	Project 9 (Plot is unit inactiv A) Tons/Acre: VALLEY NE Previously	deal: 600 ft (ab t 2). ve. ? 1 Dry EEDLEGE burnt are Tal	80 pove groun y RASS GRA ea and prii	Min: nd level) General Information Fuel Arrangemen Min THFM:	t: Gr.	Max assiand Fi	(click t uel Density: ax THFM:	Typical
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Temperature: Target Mixing Edit Delete Inactive Project 1 Acres: 14 General Fuel M Cover Type: General Descr Emissions Cal Edit County:	Edit this Delete P Make thi 10 (Plot 12 Moisture: ription: Iculation Mo Edit this	Project 9 (Plot is unit inactive A) Tons/Acre: VALLEY NE Previously is ethod:	deal: 600 ft (ab t 2). t 2). 1 Dry EDLEGI burnt arr Tat of t	y RASS GRA ea and prii ble 2 (FL is 0.007 PM1	Min: Ind level) General Information Fuel Arrangemen Min THFM: ASSLAND marily native grass 1 ton/acre; grass 0/ton fuel) Unit Location San Joaquin Val	t: Gr. 0	assland For Months of Mont	(click tuel Density: ax THFM:	Typical 0 0.099
Temperature: Target Mixing Edit Delete Inactive Project 1 Acres: 14 General Fuel M Cover Type: General Descr Emissions Cal Edit County: Latitude:	Edit this Delete P Make thi 10 (Plot 1) .2 Moisture: ription: Iculation Mo Edit this San Joaqui 37.671744	Project 9 (Plot is unit inactive A) Tons/Acre: VALLEY NE Previously is ethod:	deal: 600 ft (ab . t 2). t 2). pry EEDLEGI burnt and Tal of 0	y RASS GRA ea and printible 2 (FL is 0.007 PM1	Min: General Information Fuel Arrangemen Min THFM: ASSLAND marily native grass ofton fuel) Unit Location San Joaquin Val -121.551499	t: Gr. 0	assland Fe M timated Emissio	(click tuel Density: ax THFM: San Joaqu Mt Diablo	Typical 0 0.099
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Temperature: Target Mixing Edit Delete Inactive Project 1 Acres: 14 General Fuel M Cover Type: General Descr Emissions Call Edit County: Latitude: Township:	Edit this Delete P Make thi 10 (Plot 1) .2 Moisture: ription: Iculation Mo Edit this San Joaqui 37.671744 38 940	Project 9 (Plot is unit inactive A) Tons/Acre: VALLEY NE Previously is ethod:	deal: 500 ft (ab . t 2). t 2). t 2). professed and a control of the control o	y RASS GRA ea and printiple 2 (FL is 0.007 PM1	Min: ad level) General Information Fuel Arrangemen Min THFM: ASSLAND marily native grass ofton fuel) Unit Location San Joaquin Val -121.551499 4E	t: Gr. 0	assland For M timated Emission D Air Basin: Meridian: Section:	(click to uel Density: ax THFM: San Joaqu Mt Diablo 17	Typical 0 0.099
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Temperature: Target Mixing Edit Delete Inactive Project 1 Acres: 14 General Fuel M Cover Type: General Descr Emissions Call Edit County: Latitude: Township: Min Elev: Crossroads:	Edit this Delete P Make thi 10 (Plot 1) .2 Moisture: ription: Iculation Mo Edit this San Joaqui 37.671744 38 940 HW-580 Edit this	information. Project 9 (Plot is unit inactive) Tons/Acre: VALLEY NE Previously is ethod: in i	deal: 600 ft (ab . t 2). 1 Dry EEDLEGI burnt an Tal of 0	y RASS GRA ea and printible 2 (FL is 0.007 PM1	Min: Ind level) General Information Fuel Arrangemen Min THFM: ASSLAND marily native grass of ton/acre; grass ofton fuel) Unit Location San Joaquin Val -121.551499 4E 1250	t: Gr. 0 es. EV Es	assland For Months of Mont	(click t	Typical 0 0.099

Sfc Wind Direct		•	moke dispers					
		Ideal:	W	Min:	ANY	Max:	ANY	
Sfc Wind Spee		Ideal:	15	Min:	0	Max:	25	
Transport Win	d Direction		NW	Min:	ANY	Max:	ANY	
RH:		Ideal:	25	Min:	15	Max:	75	
Temperature: Target Mixing		Ideal:	80 (above groun	Min:	50	Max:	100	
Edit Delete Inactive	Delete P	information. roject 10 (Plot 1A) is unit inactive.		·				
▼ Project 1	1 (Plots	1 & 16E)		General Information	on		(click to	expand)
Acres: 174	4.7	Tons/Acre:	1	Fuel Arrangeme		land Fuel	Density:	Typical
General Fuel N	Moisture:		Dry	Min THFM:	0	Max	THFM:	0
Cover Type:		VALLEY NEEDLE	GRASS GRA	ASSLAND				
General Descr	iption:	Previously burnt	area and pri	marily native gra	sses.			
Emissions Cal		information.	of 0.007 PM1	•	Louill	ated Emissions		1.223
County:	San Joaqui	in	District:	Unit Location San Joaquin V	alley APCD	Air Basin:	San Joaquir	ı Valley
	37.677174		Longitude:	-121.551058	-	Meridian:	Mt Diablo	
	3S		Range:	4E		Section:	16, 17	
•	1127		Max Elev:	1533		Mean Elev:	1330	
Edit	Edit this	information.		Varied Ignition Prescripti		Aspect:	Eastern	
Source of meto	Edit this eorological rations to e		LLNL S30	Ignition Prescripti		Aspect:	Eastern	
Edit Source of mete Other conside Sfc Wind Direct	Edit this eorological rations to e	information:	LLNL S30	Ignition Prescripti 00 Meteorological sion: NA	l Tower			
Edit Source of mete Other conside Sfc Wind Direct	Edit this eorological rations to e ction:	information: ensure adequate s Ideal: Ideal:	LLNL S30 moke dispers W	Ignition Prescripti 00 Meteorological sion: NA Min:	I Tower ANY	Max:	ANY	
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Edit Source of mete Other conside Sfc Wind Direc Sfc Wind Spee Transport Win	Edit this eorological rations to e ction:	information: ensure adequate s Ideal: Ideal:	LLNL S30 moke dispers W 15 NW	Ignition Prescripti 00 Meteorological sion: NA Min: Min: Min:	ANY 0 ANY	Max: Max: Max:	ANY 25 ANY	
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Edit Source of metro Other conside Sfc Wind Direct Sfc Wind Speed Transport Win RH: Temperature: Target Mixing Edit Delete Inactive	Edit this eorological rations to e ction: ed: d Direction Height: Edit this Delete P Make thi	information: ensure adequate s Ideal:	LLNL S30 moke dispers W 15 NW 25 80 (above groun	Ignition Prescripti 00 Meteorological sion: NA Min: Min: Min: Min: Min: Min: d level)	ANY 0 ANY 15 50	Max: Max: Max: Max: Max:	ANY 25 ANY 75 100	expand) Typical
Edit Source of metro Other conside Sfc Wind Direct Sfc Wind Speet Transport Win RH: Temperature: Target Mixing Edit Delete Inactive Project 1 Acres: 18	Edit this eorological rations to e ction: ed: d Direction Height: Edit this Delete P Make thi	information: ensure adequate s Ideal:	LLNL S30 moke dispers W 15 NW 25 80 (above groun	Ignition Prescripti 00 Meteorological sion: NA Min: Min: Min: Min: Min: dilevel) General Informati Fuel Arrangement Min THFM:	ANY 0 ANY 15 50	Max: Max: Max: Max: Max:	ANY 25 ANY 75 100 (click to descript):	Typical
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Edit Source of meta Other conside Sfc Wind Direc Sfc Wind Spee Transport Win RH: Temperature: Target Mixing Edit Delete Inactive Project 1 Acres: 18 General Fuel M Cover Type:	Edit this eorological rations to e ction: ed: d Direction Height: Edit this Delete P Make thi 12 (Plot 12 1.9 Moisture:	information: ensure adequate s Ideal:	LLNL S30 moke dispers W 15 NW 25 80 (above groun & 16E).	Ignition Prescripti 00 Meteorological sion: NA Min: Min: Min: Min: Min: di level) General Informatic Fuel Arrangeme Min THFM: ASSLAND marily native grass at ton/acre; gras	ANY 0 ANY 15 50 on ent: Grass 0	Max: Max: Max: Max: Max:	ANY 25 ANY 75 100 (click to o	Typical
Edit Source of metro Other conside Sfc Wind Direct Sfc Wind Speet Transport Win RH: Temperature: Target Mixing Edit Delete Inactive Project 1 Acres: 18: General Fuel M Cover Type: General Descr	Edit this eorological rations to e ction: ed: d Direction Height: Edit this Delete P Make thi 12 (Plot 12 1.9 Moisture:	information: ensure adequate s Ideal:	LLNL S30 moke dispers W 15 NW 25 80 (above groun & 16E).	Ignition Prescripti 00 Meteorological sion: NA Min: Min: Min: Min: Min: d level) General Informatic Fuel Arrangeme Min THFM: ASSLAND marily native grass 0/ton fuel)	ANY 0 ANY 15 50 on ent: Grass 0	Max: Max: Max: Max: Max: Max: Max:	ANY 25 ANY 75 100 (click to o	Typical 0
Edit Source of metro Other conside Sfc Wind Direct Sfc Wind Speed Transport Win RH: Temperature: Target Mixing Edit Delete Inactive Project 1 Acres: 18: General Fuel M Cover Type: General Descr Emissions Cal	Edit this eorological rations to e ction: ed: d Direction Height: Edit this Delete P Make thi 12 (Plot 12 1.9 Moisture: ription: lculation Mo Edit this	information: ensure adequate s Ideal:	LLNL S30 moke dispers W 15 NW 25 80 (above groun & 16E).	Ignition Prescripti 00 Meteorological sion: NA Min: Min: Min: Min: Min: d level) General Informatic Fuel Arrangeme Min THFM: ASSLAND marily native gras o/ton fuel)	ANY 0 ANY 15 50 on ent: Grass 0 sses. s EV Estim	Max: Max: Max: Max: Max: Max: ated Emissions	ANY 25 ANY 75 100 (click to o	Typical 0
Edit Source of metro Other conside Sfc Wind Direct Sfc Wind Speet Transport Win RH: Temperature: Target Mixing Edit Delete Inactive Project 1 Acres: 18 General Fuel M Cover Type: General Descr Emissions Cal Edit County:	Edit this eorological rations to e ction: ed: d Direction Height: Edit this Delete P Make thi 12 (Plot 12 1.9 Moisture:	information: ensure adequate s Ideal:	LLNL S30 moke dispers W 15 NW 25 80 (above groun & 16E).	Ignition Prescripti 00 Meteorological sion: NA Min: Min: Min: Min: Min: d level) General Informatic Fuel Arrangeme Min THFM: ASSLAND marily native grass 0/ton fuel)	ANY 0 ANY 15 50 on ent: Grass 0 sses. s EV Estim	Max: Max: Max: Max: Max: Max: Max:	ANY 25 ANY 75 100 (click to o	Typical 0

		Max Elev:	1326	N	/lean Elev: 1	164
Crossroads: HW-580		Slope:	Varied	A	Aspect: E	astern
Edit Edit thi	is information.					
Source of meteorologica	al information:		Ignition Prescription O Meteorological T			
Other considerations to				OWEI		
Sfc Wind Direction:	Ideal:	W	Min:	ANY	Max:	ANY
Sfc Wind Speed:	Ideal:	15	Min:	0	Max:	25
Transport Wind Direction		NW	Min:	ANY	Max:	ANY
RH:	Ideal:	25	Min:	15	Max:	75
Temperature:	Ideal:	80	Min:	50	Max:	100
Target Mixing Height:	500 ft	(above groun	d level)			
Luit	is information. Project 12 (Plot 12)).				
Inactive Make the Ma	his unit inactive.	2	General Information			(click to expand)
Acres: 286.5	Tons/Acre:	1	Fuel Arrangemen		d Fuel De	ensity: Typica
General Fuel Moisture:		Dry	Min THFM:	0	Max Th	IFM: 0
Cover Type:	VALLEY NEEDL	EGRASS GRA	SSLAND			
General Description:	Previously burn	t area and prir	marily native grass	es.		
Emissions Calculation N	Method:	Table 2 (FL is of 0.007 PM10	1 ton/acre; grass I 0/ton fuel)	Estimated	d Emissions:	2.006
Edit Edit thi	is information.					
County: San Joaqu		District:	Unit Location San Joaquin Vall	ev APCD A	Air Basin:	San Joaquin Valley
Latitude: 37.65582	ипт	Longitude:	-121.537488			At Diablo
Township: 3S		Range:	4E			7, 20
Min Elev: 1055		Max Elev:	1543			299
Crossroads: HW-580		Slope:	Varied			astern
Edit Edit thi	is information.					
Source of meteorological	al information:		Ignition Prescription O Meteorological T			
Other considerations to			ion. NA			
	Ideal:	W	Min:	ANY	Max:	ANY
Sfc Wind Direction:				ANY 0	Max:	ANY 25
Sfc Wind Direction: Sfc Wind Speed:	ldeal:	W	Min:			
Other considerations to Sfc Wind Direction: Sfc Wind Speed: Transport Wind Directio RH:	ldeal:	W 15	Min: Min:	0	Max:	25
Sfc Wind Direction: Sfc Wind Speed: Transport Wind Directio RH:	ldeal: Ideal: n: Ideal:	W 15 NW	Min: Min: Min:	0 ANY	Max:	25 ANY
Sfc Wind Direction: Sfc Wind Speed: Transport Wind Direction	Ideal: Ideal: n: Ideal: Ideal:	W 15 NW 25	Min: Min: Min: Min: Min:	0 ANY 15	Max: Max: Max:	25 ANY 75
Sfc Wind Direction: Sfc Wind Speed: Transport Wind Direction RH: Temperature: Target Mixing Height: Edit Edit thi	Ideal: Ideal: n: Ideal: Ideal:	W 15 NW 25 80 (above groun	Min: Min: Min: Min: Min:	0 ANY 15	Max: Max: Max:	25 ANY 75
Sfc Wind Direction: Sfc Wind Speed: Transport Wind Direction RH: Temperature: Target Mixing Height: Edit Edit thi	Ideal: Ideal: Ideal: Ideal: Ideal: Ideal: Ideal: Ideal: Froject 13 (Plots 1) Ideal: Id	W 15 NW 25 80 (above groun	Min: Min: Min: Min: Min:	0 ANY 15 50	Max: Max: Max:	25 ANY 75
Sfc Wind Direction: Sfc Wind Speed: Transport Wind Direction RH: Temperature: Target Mixing Height: Edit Edit thi Delete Delete Inactive Make the	Ideal: Ideal: Ideal: Ideal: Ideal: Ideal: Ideal: Ideal: Froject 13 (Plots 1) Ideal: Id	W 15 NW 25 80 (above groun	Min: Min: Min: Min: Min: d level)	0 ANY 15 50	Max: Max: Max: Max:	ANY 75 100 (click to expand)
Sfc Wind Direction: Sfc Wind Speed: Transport Wind Direction RH: Temperature: Target Mixing Height: Edit Edit thi Delete Delete Inactive Make the state of the state o	Ideal: Id	W 15 NW 25 80 (above groun 5 & 24)	Min: Min: Min: Min: Min: d level)	0 ANY 15 50	Max: Max: Max: Max:	25 ANY 75 100 (click to expand)
Sfc Wind Direction: Sfc Wind Speed: Transport Wind Directio RH: Temperature: Target Mixing Height: Edit Edit thi Delete Delete Inactive Make the state of	Ideal: Id	W 15 NW 25 80 (above groun 5 & 24).	Min: Min: Min: Min: Min: d level) General Information Fuel Arrangement Min THFM:	ANY 15 50 t: Grassland	Max: Max: Max: Max:	25 ANY 75 100 (click to expand)
Sfc Wind Direction: Sfc Wind Speed: Transport Wind Directio RH: Temperature: Target Mixing Height: Edit Edit thi Delete Delete Inactive Make the state of	Ideal: Id	W 15 NW 25 80 (above groun 5 & 24)	Min: Min: Min: Min: Min: d level) General Information Fuel Arrangement Min THFM:	ANY 15 50 t: Grassland	Max: Max: Max: Max:	25 ANY 75 100 (click to expand)
Sfc Wind Direction: Sfc Wind Speed: Transport Wind Direction RH: Temperature: Target Mixing Height: Edit Edit thi Delete Delete Inactive Make the	Ideal: Ideal: Ideal: Ideal: Ideal: Ideal: Ideal: Sooft is information. Project 13 (Plots 19) his unit inactive. 14) Tons/Acre: VALLEY NEEDLI Previously burnt	W 15 NW 25 80 (above groun 5 & 24). ? 1 Dry EGRASS GRA t area and prir	Min: Min: Min: Min: Min: Min: din: Min: Min: Min: Min: d level)	t: Grassland 0	Max: Max: Max: Max:	25 ANY 75 100 (click to expand)

				Unit Location				
County:	San Joaquin		District:	San Joaquin V	alley APCD	Air Basin:	San Joaquin V	alley
Latitude:	37.638183		Longitude:	-121.537528		Meridian:	Mt Diablo	
Township:	3S		Range:	4E		Section:	28, 29, 33, 34	
Min Elev:	568		Max Elev:	738		Mean Elev:	653	
Crossroads:	HW-580		Slope:	Varied		Aspect:	Eastern	
Edit	Edit this informa	ation.						
Source of me	eteorological informa	ition:		Ignition Prescripti Meteorologica				
Other consid	erations to ensure a	dequate s	moke dispers	sion: NA				
Sfc Wind Dire	ection:	Ideal:	W	Min:	ANY	Max:	ANY	
Sfc Wind Spe	ed:	Ideal:	15	Min:	0	Max:	25	
Transport Wi	nd Direction:	Ideal:	NW	Min:	ANY	Max:	ANY	
RH:		Ideal:	25	Min:	15	Max:	75	
Temperature		ldeal:	80	Min:	50	Max:	100	
Target Mixing	Height:	500 ft	(above groun	d level)				
Inactive ▼ Project	Make this unit in	active.	?				(click to exp	oand)
Acres: 2	11 Tons/A	.cre:	1	General Information		land Fuel	Density:	Typical
General Fuel			Dry	Min THFM:	0		-	0
Cover Type:		Y NEEDI I	EGRASS GRA		-			
Emissions C	alculation Method:			narily native gras 1 ton/acre; gras 0/ton fuel)	s FV	ated Emissions	:	1.477
Emissions C	alculation Method: Edit this informa	-	Table 2 (FL is	1 ton/acre; gras	s FV	ated Emissions	:	1.477
Edit	Edit this informa	-	Table 2 (FL is of 0.007 PM10	1 ton/acre; grass D/ton fuel)	s EV Estim			
Edit	Edit this informa	-	Table 2 (FL is of 0.007 PM10	1 ton/acre; grass D/ton fuel) Unit Location San Joaquin V	s EV Estim	Air Basin:	San Joaquin V	
Edit County: Latitude:	Edit this informa San Joaquin 37.639722	-	Table 2 (FL is of 0.007 PM10 District: Longitude:	Unit Location San Joaquin V -121.531041	s EV Estim	Air Basin: Meridian:	San Joaquin V	
Edit County: Latitude: Township:	Edit this informa San Joaquin 37.639722 3S	-	Table 2 (FL is of 0.007 PM10 District: Longitude: Range:	Unit Location San Joaquin V -121.531041 4E	s EV Estim	Air Basin: Meridian: Section:	San Joaquin V Mt Diablo 17, 28, 33, 34	
Edit County: Latitude: Township: Min Elev:	San Joaquin 37.639722 3S 614	-	Table 2 (FL is of 0.007 PM10 District: Longitude: Range: Max Elev:	Unit Location San Joaquin V -121.531041 4E 1302	s EV Estim	Air Basin: Meridian: Section: Mean Elev:	San Joaquin V Mt Diablo 17, 28, 33, 34 958	
Edit County: Latitude: Township: Min Elev:	San Joaquin 37.639722 3S 614	ation.	Table 2 (FL is of 0.007 PM10 District: Longitude: Range:	Unit Location San Joaquin V -121.531041 4E	s EV Estim	Air Basin: Meridian: Section:	San Joaquin V Mt Diablo 17, 28, 33, 34	
Edit County: Latitude: Township: Min Elev: Crossroads:	San Joaquin 37.639722 38 614 HW-580 Edit this informa	ation.	Table 2 (FL is of 0.007 PM10 District: Longitude: Range: Max Elev: Slope:	Unit Location San Joaquin V -121.531041 4E 1302 Varied	s EV Estima	Air Basin: Meridian: Section: Mean Elev:	San Joaquin V Mt Diablo 17, 28, 33, 34 958	
Edit County: Latitude: Township: Min Elev: Crossroads: Edit Source of me	San Joaquin 37.639722 38 614 HW-580 Edit this informa	ation.	District: Longitude: Range: Max Elev: Slope:	Unit Location San Joaquin V -121.531041 4E 1302 Varied	s EV Estima	Air Basin: Meridian: Section: Mean Elev:	San Joaquin V Mt Diablo 17, 28, 33, 34 958	
Edit County: Latitude: Township: Min Elev: Crossroads: Edit Source of me	San Joaquin 37.639722 38 614 HW-580 Edit this informa	ation. ation. dequate s	District: Longitude: Range: Max Elev: Slope: LLNL S30 moke dispers	Unit Location San Joaquin V -121.531041 4E 1302 Varied Ignition Prescripti 0 Meteorological sion: NA	alley APCD	Air Basin: Meridian: Section: Mean Elev: Aspect:	San Joaquin V Mt Diablo 17, 28, 33, 34 958 Eastern	
Edit County: Latitude: Township: Min Elev: Crossroads: Edit Source of me Other consid	San Joaquin 37.639722 3S 614 HW-580 Edit this information are actions to ensure action:	ation. ation: dequate s Ideal:	District: Longitude: Range: Max Elev: Slope: LLNL S30 moke dispers	1 ton/acre; grass O/ton fuel) Unit Location San Joaquin V -121.531041 4E 1302 Varied Ignition Prescripti 0 Meteorological sion: NA Min:	on I Tower	Air Basin: Meridian: Section: Mean Elev: Aspect:	San Joaquin V Mt Diablo 17, 28, 33, 34 958 Eastern	
Edit County: Latitude: Township: Min Elev: Crossroads: Edit Source of me Other consid Sfc Wind Dire	San Joaquin 37.639722 38 614 HW-580 Edit this information in the company of the c	ation. ation: dequate s Ideal: Ideal:	District: Longitude: Range: Max Elev: Slope: LLNL S30 moke dispers W 15	Unit Location San Joaquin V -121.531041 4E 1302 Varied Ignition Prescripti 0 Meteorological sion: NA Min: Min:	on I Tower ANY 0	Air Basin: Meridian: Section: Mean Elev: Aspect: Max:	San Joaquin V Mt Diablo 17, 28, 33, 34 958 Eastern	
Edit County: Latitude: Township: Min Elev: Crossroads: Edit Source of me Other consid Sfc Wind Dire Sfc Wind Spe Transport Wi	San Joaquin 37.639722 3S 614 HW-580 Edit this information are actions to ensure acceptance.	ation. ation: dequate s Ideal: Ideal:	District: Longitude: Range: Max Elev: Slope: LLNL S30 moke dispers W 15 NW	Unit Location San Joaquin V -121.531041 4E 1302 Varied Ignition Prescripti Meteorological sion: NA Min: Min: Min:	on I Tower ANY 0 ANY	Air Basin: Meridian: Section: Mean Elev: Aspect: Max: Max: Max:	San Joaquin V Mt Diablo 17, 28, 33, 34 958 Eastern ANY 25 ANY	
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Edit County: Latitude: Township: Min Elev: Crossroads: Edit Source of me Other consid Sfc Wind Dire Sfc Wind Spc Transport Wi RH: Temperature Target Mixing	San Joaquin 37.639722 38 614 HW-580 Edit this informa eteorological informa erations to ensure ac ection: ed: nd Direction:	ation. ation: dequate s Ideal: Ideal: Ideal: Ideal: Soo ft	Table 2 (FL is of 0.007 PM10 District: Longitude: Range: Max Elev: Slope: LLNL S30 moke dispers W 15 NW 25 80 (above groun	Unit Location San Joaquin V -121.531041 4E 1302 Varied Ignition Prescripti 0 Meteorological sion: NA Min: Min: Min: Min: Min: Min: Min:	on I Tower ANY 0 ANY 15	Air Basin: Meridian: Section: Mean Elev: Aspect: Max: Max: Max: Max:	San Joaquin V Mt Diablo 17, 28, 33, 34 958 Eastern ANY 25 ANY 75	
Edit County: Latitude: Township: Min Elev: Crossroads: Edit Source of me Other consid Sfc Wind Dire Sfc Wind Spe Transport Wi RH: Temperature Target Mixing	San Joaquin 37.639722 38 614 HW-580 Edit this informa eteorological informa erations to ensure ac ection: eed: nd Direction:	ation. ation: dequate s Ideal: Ideal: Ideal: Ideal: Soo ft ation.	Table 2 (FL is of 0.007 PM10 District: Longitude: Range: Max Elev: Slope: LLNL S30 moke dispers W 15 NW 25 80 (above groun	Unit Location San Joaquin V -121.531041 4E 1302 Varied Ignition Prescripti 0 Meteorological sion: NA Min: Min: Min: Min: Min: Min: Min:	on I Tower ANY 0 ANY 15	Air Basin: Meridian: Section: Mean Elev: Aspect: Max: Max: Max: Max:	San Joaquin V Mt Diablo 17, 28, 33, 34 958 Eastern ANY 25 ANY 75	
Edit County: Latitude: Township: Min Elev: Crossroads: Edit Source of me Other consid Sfc Wind Dire Sfc Wind Spc Transport Wi RH: Temperature Target Mixing Edit Delete Inactive	San Joaquin 37.639722 38 614 HW-580 Edit this informa eteorological informa erations to ensure ac ection: eed: nd Direction: g Height: Edit this informa	ation. ation: dequate s Ideal: Ideal: Ideal: Ideal: Soo ft ation.	Table 2 (FL is of 0.007 PM10 District: Longitude: Range: Max Elev: Slope: LLNL S30 moke dispers W 15 NW 25 80 (above groun	Unit Location San Joaquin V -121.531041 4E 1302 Varied Ignition Prescripti 0 Meteorological sion: NA Min: Min: Min: Min: Min: Min: Min:	on I Tower ANY 0 ANY 15	Air Basin: Meridian: Section: Mean Elev: Aspect: Max: Max: Max: Max:	San Joaquin V Mt Diablo 17, 28, 33, 34 958 Eastern ANY 25 ANY 75	alley

General Fuel			Dry	Min THFM:	0	Max	THFM:	0
Cover Type:		VALLEY NEEDLE						
General Desc	cription:	Previously burnt						
Emissions Ca	alculation Met		Table 2 (FL is of 0.007 PM10	1 ton/acre; gras 0/ton fuel)	s EV Estin	nated Emissions	:	800.0
Edit	Edit this i	nformation.						
County:	San Joaquin		District:	Unit Location San Joaquin V	allev APCD	Air Basin:	San Joaquii	n Vallev
Latitude:	37.635717	'	Longitude:	-121.553709	u 711 02	Meridian:	Mt Diablo	valloy
Township:	38		Range:	4E		Section:	29	
Min Elev:	718		Max Elev:	732		Mean Elev:	725	
Crossroads:	HW-580		Slope:	Varied		Aspect:	Eastern	
Edit	Edit this i	nformation.	·			·		
Source of me	teorological i	nformation:		Ignition Prescripti Meteorologica				
		sure adequate sr						
Sfc Wind Dire		Ideal:	W	Min:	ANY	Max:	ANY	
Sfc Wind Spe	ed:	Ideal:	15	Min:	0	Max:	25	
Transport Wi	nd Direction:	Ideal:	NW	Min:	ANY	Max:	ANY	
RH:		Ideal:	25	Min:	15	Max:	75	
Temperature:		Ideal:	80	Min:	50	Max:	100	
Target Mixing	g Height:	500 ft (above groun	d level)				
Inactive	Make this	unit inactive.						
▼ Project	17 (Plot 16	W)		General Informati		sland Fuel	`	expand)
▼ Project	17 (Plot 16)	W) Tons/Acre:	1	Fuel Arrangem			(click to	expand) Typical
▼ Project	17 (Plot 16) 42.1 Moisture:	W) Tons/Acre:	1 Dry	Fuel Arrangemo	ent: Gras		Density:	Typical
▼ Project Acres: 44 General Fuel	17 (Plot 16) 42.1 Moisture:	W) Tons/Acre:	1 Dry EGRASS GRA	Fuel Arrangemonth Min THFM:	ent: Gras 0		Density:	Typical
Project Acres: 4 General Fuel Cover Type: General Desc	17 (Plot 16) 42.1 Moisture:	W) Tons/Acre: VALLEY NEEDLE Previously burnt	1 Dry :GRASS GRA area and prir	Fuel Arrangement Min THFM: SSLAND marily native grast ton/acre; gras	ent: Gras 0 sses.		Density: THFM:	Typical
Project Acres: 4 General Fuel Cover Type: General Desc	17 (Plot 16) 42.1 Moisture: cription:	W) Tons/Acre: VALLEY NEEDLE Previously burnt	1 Dry EGRASS GRA area and prir Table 2 (FL is	Fuel Arrangement Min THFM: SSLAND marily native grase of ton/acre; grase of ton/acre.	ent: Gras 0 sses.	Max	Density: THFM:	Typical 0
▼ Project Acres: 44 General Fuel Cover Type: General Desc Emissions Ca	17 (Plot 16) 42.1 Moisture: cription:	W) Tons/Acre: VALLEY NEEDLE Previously burnt thod: onformation.	1 Dry EGRASS GRA area and prir Table 2 (FL is	Fuel Arrangement Min THFM: SSLAND marily native grast ton/acre; gras	ent: Gras 0 sses. s EV Estin	Max	Density: THFM:	Typical 0 3.095
▼ Project Acres: 4 General Fuel Cover Type: General Desc Emissions Ca	17 (Plot 16) 42.1 Moisture: cription: alculation Met	W) Tons/Acre: VALLEY NEEDLE Previously burnt thod: onformation.	1 Dry EGRASS GRA area and prir Table 2 (FL is of 0.007 PM10	Fuel Arrangement Min THFM: USSLAND Marily native grase 1 ton/acre; grase 0/ton fuel) Unit Location	ent: Gras 0 sses. s EV Estin	Max nated Emissions	Density: THFM:	Typical 0 3.095
Project Acres: 44 General Fuel Cover Type: General Desc Emissions Ca Edit County:	17 (Plot 16) 42.1 Moisture: cription: alculation Met Edit this i	W) Tons/Acre: VALLEY NEEDLE Previously burnt thod: onformation.	1 Dry EGRASS GRA area and prir Table 2 (FL is of 0.007 PM10	Fuel Arrangement Min THFM: SSLAND marily native grase of ton/acre; grase of ton/acre; unit Location San Joaquin V	ent: Gras 0 sses. s EV Estin	Max nated Emissions Air Basin:	Density: THFM:	Typical 0 3.095
Project Acres: 44 General Fuel Cover Type: General Desc Emissions Ca Edit County: Latitude:	17 (Plot 16) 42.1 Moisture: cription: alculation Met Edit this i San Joaquin 37.652034	W) Tons/Acre: VALLEY NEEDLE Previously burnt thod: onformation.	1 Dry :GRASS GRA area and prir Table 2 (FL is of 0.007 PM10 District:	Fuel Arrangement Min THFM: ASSLAND Marily native grase of ton/acre; grase of ton/acre; grase of ton fuel) Unit Location San Joaquin V -121.549692	ent: Gras 0 sses. s EV Estin	Max nated Emissions Air Basin: Meridian:	Density: THFM: :: San Joaquii Mt Diablo	Typical 0 3.095
Project Acres: 44 General Fuel Cover Type: General Desc Emissions Ca Edit County: Latitude: Township:	17 (Plot 16) 42.1 Moisture: cription: alculation Met Edit this i San Joaquin 37.652034 38 1065	W) Tons/Acre: VALLEY NEEDLE Previously burnt thod: onformation.	1 Dry GRASS GRA area and prir Table 2 (FL is of 0.007 PM10 District: Longitude: Range:	Fuel Arrangement Min THFM: ASSLAND marily native grast of ton/acre; grast of ton/acre; grast of ton/acre of ton/	ent: Gras 0 sses. s EV Estin	Max nated Emissions Air Basin: Meridian: Section:	Density: THFM: San Joaquii Mt Diablo 17, 20	Typical 0 3.095
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Inactive Make this unit inactive.

Single Add a single Broadcast Unit

Multiple Add a multiple Broadcast Units via spreadsheet

▼ Pile Units Incomplete

Single Add a single Pile Unit

Multiple Add a multiple Pile Units via spreadsheet

▼ Smoke Sensitive Areas

Complete

	SSA Name	Direction	Distance	Delete?
	City of Tracy	NE	2.7 mi miles	Delete
	City of Livermore	E	7.26 mi miles	Delete
Cor	mmunity of Mountain House	N	5.3 mi miles	Delete
	City of Manteca,CA	NE	17.07 mi miles	Delete
	City of Lathrop	NE	15.68 mi miles	Delete
Edit	Edit Smoke Sensitive Area(s)			
Add	Add Smoke Sensitive Area(s)			

▼ Public Contact Methods

Complete

TV? No Radio? No Newspaper?	Yes Signs/Flyers?	No	Telephone?	Yes	Email?	Yes	Website?	Yes
Description of Contact Method(s)	Letters to neighbors, new such as LinkedIn, Twitter,		notice, local libr	aries, LL	.NL webpa	age, soc	ial media plat	forms,
Signage Description	Not applicable, remote sit	te.						
Edit Edit this Land Ma	anager							

▼ Alternatives to Burning

Complete

Alternative Na	me:	Various			
Description: Mowing/disking, grazing, sterilization.		Mowing/disking, grazing, sterilization.			
Did you use th	Did you use this alternative? No				
Estimated emissions and fuel reduction (if used) Reasons (if not used) Too steep for mowing/disking. Grazing or sterilization will have adverse impacts to native place on site.		Too steep for mowing/disking. Grazing or sterilization will have adverse impacts to native plants onsite.			
Additional Con	Additional Comments:				
Edit	dit Edit this Alternative				
Delete	Delete this Alternative				
Add	Add an Alternative				

▼ Smoke Mitigation

Complete

Contingency N	ontingency Name: Smoke Reduction	
Contingency N	Contingency Measure? Yes	
Smoke Minimiz	Smoke Minimization Measure? Yes	
Description:		Suppress active fire. Reduce the size of burn plot by developing new control lines. Initiate mop-up operations once fire is controlled. Focus suppression and mop-up operations on area of greater smoke production.
Edit	Edit this Smoke Mitigation information	
Delete	Delete this Smoke Mitigation information	

▼ SMP Comments

Complete

Land Manager Comments: None

Edit Edit this Comment

▼ Project Maps

Complete

LLNL_S300_2023_Burn_Map	View	Delete
Google Map with all burn units	Google	
Add Add Maps		

Print Print this plan.

This SMP has been submitted.

Save changes and exit. Plan can be accessed at any time. This choice will NOT submit your plan to any air

district.

Archive Archive this plan. You will be able to access the plan via the Retrieve SMP page, under the Archived Plans

menu.

Other Options

Retrieve another SMP.

Inside Return to the PFIRS Land Manager Inside page.

Log Out Log out of PFIRS.

