

Table 1
Sample Collection Matrix
Targeted Site Investigation Report
Crescent Mills
18690 California Highway 89, Crescent Mills, California

SAMPLE ID	REC	MATRIX	SAMPLING METHOD	SAMPLE DEPTH (ft bgs)	NUMBER OF SAMPLES FOR ANALYSIS (U.S. EPA Method)													
					Carbamates (8321A)	CAM 17 Metals (6010B/7471A/7470A)	LUFT Waste Oil Heavy Metals (6010B)	Arsenic (6020 & 6010B for leaching test only)	Hexavalent Chromium (7196A)	Dioxins and Furans (8290)	PAHs only (8270C for soil and 8270-SIM for water)	PAHs, PCP, and TCP (8270C for soil and TCP in water; 8270-SIM for all others in water)	PCP and TCP only (8270C for soil and TCP in water; 8270-SIM for PCP in water)	PCBs (8082)	TPH-d, TPH-mo (8015M with and without SGC)	TPH-g (8260B)	VOCs (8260B)	
Sawmill Area																		
DU-1-0-0.5	Anti-stain application area	Soil	ISM	0-0.5	1						1				1			
SB-1-GGW	Septic Tank	Groundwater	Peristaltic Pump	First Groundwater	1						1				1	1		1
SB-2-0.5-1	Transformer	Soil	Discrete	0.5-1												1		
Greenchain Anti-Stain Area																		
DU-2-0-0.5	Anti-stain dripping area	Soil	ISM	0-0.5	1						1				1			
SB-3-2-4	Downgradient of anti-stain application area	Soil	Discrete	2-4	1						1				1			
SB-3-GGW	Downgradient of anti-stain application area	Groundwater	Peristaltic Pump	First Groundwater	1						1				1			
Sorter and Stacker Anti-Stain Area																		
DU-3-0-0.5	Anti-stain dripping area	Soil	ISM	0-0.5	1						1				1			
Boiler Building																		
DU-4-0-0.5	Potential ash or fuel impacts from boiler	Soil	ISM	0-0.5		1		1		1	1				2			
DU-5-0-0.5	Potential ash or fuel impacts from boiler	Soil	ISM	0-0.5		1		1		1	1				2			
SB-4-GGW	Potential ash or fuel impacts from boiler	Groundwater	Peristaltic Pump	First Groundwater		1		1	1	1	1				2			1
SB-17-0.5-1	Matrix interference in ISM PAH sample	Soil	Discrete	0.5-1							1							
SB-18-0.5-1	Matrix interference in ISM PAH sample	Soil	Discrete	0.5-1							1							
Boiler Building Fuel Shed																		
SB-5-1-3	Fuel shed potential impacts	Soil	Discrete	1-3							1				2			
SB-5-GGW	Fuel shed potential impacts	Groundwater	Peristaltic Pump	First Groundwater							1				2			1
SB-6-3-5	Fuel shed potential impacts	Soil	Discrete	3-5							1				2			
SB-6-GGW	Fuel shed potential impacts; Downgradient Sample from Boiler	Groundwater	Peristaltic Pump	First Groundwater							1				2			1
Maintenance Shop, Old Planing Mill, and Oil Shed Area																		
DU-6-0-0.5	Various potential chemical sources around Maintenance Shop	Soil	ISM	0-0.5			1				1				2			
DU-7-0-0.5	Various potential chemical sources around Old Planing Mill and Oil Shed	Soil	ISM	0-0.5			1				1				2			
SB-7-GGW	TPH-d/mo impacts in groundwater	Groundwater	Peristaltic Pump	First Groundwater							1				2			1
SB-8-GGW	TPH-d/mo impacts in groundwater	Groundwater	Peristaltic Pump	First Groundwater							1				2			1
SB-9-GGW	TPH-d/mo impacts in groundwater	Groundwater	Peristaltic Pump	First Groundwater							1				2			1
SB-10-GGW	TPH-d/mo impacts in groundwater	Groundwater	Peristaltic Pump	First Groundwater							1				2			1
SB-16-0.5-1	Matrix interference in ISM PAH sample	Soil	Discrete	0.5-1							1							
New Planing Mill																		
SB-11-0.5-1	Transformer and oil dispensing unit	Soil	Discrete	0.5-1											1			
SB-12-GGW	End-seal application area	Groundwater	Peristaltic Pump	First Groundwater		1		1										1
Dry Kiln Piping																		
SB-13-1-3	Potential product piping and petroleum odors in soil	Soil	Discrete	1-3							1				2			
SB-13-GGW	Potential product piping and petroleum odors in soil	Groundwater	Peristaltic Pump	First Groundwater							1				2			
Possible AST and UST areas																		
SB-14-1-4	Former ASTs of unknown contents	Soil	Discrete	1-4	1						1		1		2			
SB-14-GGW	Former ASTs of unknown contents	Groundwater	Peristaltic Pump	First Groundwater	1						1		1		2	1		1
SB-15-2-5	Former diesel and leaded gasoline UST area	Soil	Discrete	2-5							1				2			
SB-15-GGW	Former diesel and leaded gasoline UST area	Groundwater	Peristaltic Pump	First Groundwater							1				2	1		1

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					Carbamates (8321A)	CAM 17 Metals (6010B/7471A/7470A)	LUFT Waste Oil Heavy Metals (6010B)	Arsenic (6020 & 6010B for leaching test only)	Hexavalent Chromium (7196A)	Dioxins and Furans (8290)	PAHs only (8270C for soil and 8270-SIM for water)	PAHs, PCP, and TCP (8270C for soil and TCP in water; 8270-SIM for all others in water)	PCP and TCP only (8270C for soil and TCP in water; 8270-SIM for PCP in water)	PCBs (8082)	TPH-d, TPH-mo (8015M with and without SGC)	TPH-g (8260B)	VOCs (8260B)		
Former Mill Roads																			
DU-8-0-0.5	Historical practice of disposing of ash and waste oil on mill roads	Soil	ISM	0-0.5		1		1		1	1					2			
DU-9-0-0.5	Historical practice of disposing of ash and waste oil on mill roads	Soil	ISM	0-0.5		1		1		1	1					2			
DU-10-0-0.5	Historical practice of disposing of ash and waste oil on mill roads	Soil	ISM	0-0.5		1		1		1	1					2			
DU-11-0-0.5	Historical practice of disposing of ash and waste oil on mill roads	Soil	ISM	0-0.5		1		1		1	1					2			
DU-12-0-0.5	Historical practice of disposing of ash and waste oil on mill roads	Soil	ISM	0-0.5		1		1		1	1					2			
DU-13-0-0.5	Historical practice of disposing of ash and waste oil on mill roads	Soil	ISM	0-0.5		1		1		1	1					2			
DU-14-0-0.5	Historical practice of disposing of ash and waste oil on mill roads	Soil	ISM	0-0.5		1		1		1	1					2			
SB-19-0.5-1	Matrix interference in ISM PAH sample	Soil	Discrete	0.5-1							1								
Wood Waste and Soil Stockpiles																			
DU-15-1-5	Historical practice of disposing of ash and sawdust in wood waste and soil stockpiles	Soil	ISM	1-5	1	1		1		1		1							
DU-16-1-3	Historical practice of disposing of ash and sawdust in wood waste and soil stockpiles	Soil	ISM	1-3	1	1		1		1		1							
DU-17-1-3	Historical practice of disposing of ash and sawdust in wood waste and soil stockpiles	Soil	ISM	1-3	1	1		1		1		1							
DU-18-0.5-1	Historical practice of disposing of ash and sawdust in wood waste and soil stockpiles	Soil	ISM	0.5-1	1	1		1		1		1							
DU-19-1-5	Historical practice of disposing of ash and sawdust in wood waste and soil stockpiles	Soil	ISM	1-5	1	1		1		1		1							
DU-20-1-3	Historical practice of disposing of ash and sawdust in wood waste and soil stockpiles	Soil	ISM	1-3	1	1		1		1		1							
DU-21-1-3	Historical practice of disposing of ash and sawdust in wood waste and soil stockpiles	Soil	ISM	1-3	1	1		1		1		1							
SB-20-0.5-1	Matrix interference in ISM PAH sample	Soil	Discrete	0.5-1								1							
Arsenic Samples																			
Arsenic DU	Development of background arsenic concentrations	Soil	ISM	3-10				1											
Arsenic DU-2	Development of background arsenic concentrations	Soil	ISM	0.5-1				1											
DU-5-0-0.5	Arsenic solubility testing	DI Water	DI Wet	0-0.5				1											
DU-9-0-0.5	Arsenic solubility testing	DI Water	DI Wet	0-0.5				1											
DU-11-0-0.5	Arsenic solubility testing	DI Water	DI Wet	0-0.5				1											
DU-13-0-0.5	Arsenic solubility testing	DI Water	DI Wet	0-0.5				1											
DU-17-1-5	Arsenic solubility testing	DI Water	DI Wet	1-5				1											
DU-21-1-3	Arsenic solubility testing	DI Water	DI Wet	1-3				1											
Total ISM Samples					10	16	2	18	0	19	11	7	3	0	22	0	0	0	
Total Discrete Soil Samples					2	0	0	0	1	2	9	1	1	2	10	0	0	0	
Total Grab Groundwater Samples					3	2	0	2	2	4	8	1	2	1	18	2	10		
Total Solubility Tests					0	0	0	6	0	0	0	0	0	0	0	0	0	0	

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QA/QC Samples																		
<i>Equipment/Field Blank</i> ¹																		
EB-DDMMYYYY			Deionized Water	Grab	NA	2	2	4		3	2	2		1	4	2	3	
<i>Trip Blanks</i> ²																		2
TB-DDMMYYYY			Laboratory Water	Laboratory prepared	NA													
<i>Laboratory Replicate ISM Samples</i> ³																		
DU-8-0-0.5		Soil	ISM	0-0.5		1		1		1	1					2		
DU-15-1-5		Soil	ISM	1-5	1	1		1		1		1						
<i>Duplicate Soil Samples</i>															1	1		
DUP-1 (collected at SB-2)		Soil	Discrete	TBD														
DUP-3 (collected at SB-14)		Soil	Discrete	TBD	1							1			1	1		
<i>Duplicate Groundwater Samples</i>																		
DUP-1 -GGW (collected at SB-1)		Groundwater	Grab	TBD	1										1	1		1
DUP-2-GGW (collected at SB-4)		Groundwater	Grab	TBD		1			1	1	1					2		
DUP-3-GGW (collected at SB-14 TPH-g only)		Groundwater	Grab	TBD													1	
<i>Laboratory Soil MS/MSD Samples</i>																2		
SB-2-MS/MSD		Soil	Discrete	TBD														
SB-14-MS/MSD		Soil	Discrete	TBD	2					2		2				2		
<i>Laboratory Groundwater MS/MSD Samples</i>																		
SB-1-GGW-MS/MSD		Groundwater	Grab	TBD	2										2	2		2
SB-4-GGW-MS/MSD		Groundwater	Grab	TBD		2			2	2	2					4		
SB-14-GGW-MS/MSD		Groundwater	Grab	TBD													2	
Total Discrete Soil Samples Including QA/QC					5	0	0	0	1	4	9	4	1	5	13	0	0	
Total Water Samples Including QA/QC					8	7	0	12	5	10	13	3	5	5	28	7	18	

Notes:

1. One equipment blank was collected per matrix sampled that day.
2. One trip blank will be submitted per day of volatile sampling.
3. ISM replicate samples analyzed from original sample.

AST = aboveground storage tank

CAM 17 = California Assessment Manual 17 Metals

DI Water = deionized water

DI Wet = Wet extraction using deionized water

DU = decision unit

ft bgs = feet below ground surface

ISM = incremental sampling methodology

LUFT Waste Oil Metals = cadmium, chromium, nickel, lead, and zinc

MS/MSD = matrix spike/matrix spike duplicate

NA = not applicable

PAHs = polycyclic aromatic hydrocarbons

PCP = pentachlorophenol

QA/QC = quality assurance/quality control

SGC = silica gel cleanup

SIM = selective ion monitoring

TBD = to be determined

TCP = 2,4,6-trichlorophenol

TPH-G, D, MO = total petroleum hydrocarbons in the gasoline, diesel, and motor oil ranges, respectively

U.S. EPA = United States Environmental Protection Agency

UST = underground storage tank

VOCs = volatile organic compounds

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SAMPLE LOCATION	POTENTIAL REC	SAMPLE DEPTH (ft bgs)	SAMPLE TYPE	DUPLICATE SAMPLE	DATE SAMPLED ⁵	Metals (U.S. EPA 6010B/7471A/6020) ⁴ (mg/kg)								
						Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Hexavalent Chromium	Cobalt	Copper
<i>HHRA SL¹</i>						--	--	--	210	7.3	--	--	--	--
<i>RSL²</i>						470	--	220,000	--	--	1,800,000	6.3	350	47,000
<i>ARSENIC BACKGROUND³</i>						--	9.8 (0-3 ft bgs) 4.7 (>3 ft bgs)	--	--	--	--	--	--	--
DU-1	Anti-stain application area	0-0.5	ISM		2/8/2017	--	--	--	--	--	--	--	--	--
DU-2	Anti-stain dripping area	0-0.5	ISM		2/8/2017	--	--	--	--	--	--	--	--	--
DU-3	Anti-stain dripping area	0-0.5	ISM		2/8/2017	--	--	--	--	--	--	--	--	--
DU-4	Possible ash or fuel impacts from boiler	0-0.5	ISM		2/7/2017	<0.19	13 J-	19	0.079	0.085	4.0	--	1.6	14
DU-5	Possible ash or fuel impacts from boiler	0-0.5	ISM		2/7/2017	<0.93	19	86	0.37	0.18 J	19	--	7.6	47
DU-6	Possible maintenance shop impacts	0-0.5	ISM		2/7/2017	--	--	--	--	0.42	15	--	--	--
DU-7	Possible maintenance shop impacts	0-0.5	ISM		2/7/2017	--	--	--	--	0.20	21	--	--	--
DU-8	Ash and oil disposed on mill roads	0-0.5	ISM		2/9/2017	<0.94	6.9	57	0.34	0.084 J	19	--	6.9	51
DU-9	Ash and oil disposed on mill roads	0-0.5	ISM		2/9/2017	<0.93	28	64	0.38	0.18 J	17	--	8.3	41
DU-11	Ash and oil disposed on mill roads	0-0.5	ISM		2/9/2017	1.5 J	35	71	0.44	0.27	27	--	8.8	38
DU-12	Ash and oil disposed on mill roads	0-0.5	ISM		2/9/2017	<0.93	16	74	0.40	0.20	19	--	9.2	160
DU-13	Ash and oil disposed on mill roads	0-0.5	ISM		2/9/2017	<0.94	22	69	0.28	0.11 J	12	--	7.7	200
DU-14	Ash and oil disposed on mill roads	0-0.5	ISM		2/9/2017	<0.93	5.1	54	0.30	<0.03	6.1	--	7.8	79
DU-15	Ash and impacted sawdust in waste piles	1-5	ISM		2/9/2017	1.1 J	7.2	95	0.34	0.045 J	15	--	6.0	86
DU-16	Ash and impacted sawdust in waste piles	1-3	ISM		2/9/2017	<0.93	9.9	130	0.47	0.060 J	18	--	8.7	240
DU-17	Ash and impacted sawdust in waste piles	1-3	ISM		2/9/2017	<0.93	11	120	0.47	0.057 J	18	--	9.3	490
DU-18	Ash and impacted sawdust in waste piles	0.5-1	ISM		2/9/2017	<0.93	9.8	120	0.35	0.087 J	15	--	7.0	99
DU-19	Ash and impacted sawdust in waste piles	1-5	ISM		2/9/2017	<0.93	9.2	130	0.43	0.091 J	20	--	8.3	110
DU-20	Ash and impacted sawdust in waste piles	1-3	ISM		2/9/2017	<0.94	9.1	140	0.41	0.10 J	19	--	8.4	110
DU-21	Ash and impacted sawdust in waste piles	1-3	ISM		2/9/2017	<0.94	25	140	0.50	0.12 J	18	--	8.9	140
SB-2	Possible transformer impacts	0.5-1	Discrete		2/8/2017	--	--	--	--	--	--	--	--	--
SB-3	Possible transformer impacts	0.5-1	Discrete	X	2/8/2017	--	--	--	--	--	--	--	--	--
SB-5	Anti-stain application area	2-4	Discrete		2/8/2017	--	--	--	--	--	--	--	--	--
SB-6	Possible fuel shed impacts	1-3	Discrete		2/6/2017	--	--	--	--	--	--	--	--	--
SB-11	Possible fuel shed impacts	3-5	Discrete		2/6/2017	--	--	--	--	--	--	--	--	--
SB-12	Possible fuel shed impacts	0.5-1	Discrete		2/7/2017	--	--	--	--	--	--	--	--	--
SB-13	End-seal application area	4-5	Discrete		2/7/2017	<0.3	1.3	260	0.18 J	<0.28	1.2	<0.56	3.8	10
SB-14	Possible product piping	1-3	Discrete		2/6/2017	--	--	--	--	--	--	--	--	--
SB-15	Former storage tanks of unknown contents	1-4	Discrete		2/8/2017	--	--	--	--	--	--	--	--	--
	Former storage tanks of unknown contents	1-4	Discrete	X	2/8/2017	--	--	--	--	--	--	--	--	--
	Former gasoline tank area	2-5	Discrete		2/6/2017	--	--	--	--	--	--	--	--	--
		0	Discrete		8/27/2014	--	23	--	--	0.39 J	40	--	--	--
LP-B01	Possible maintenance shop impacts	2	Discrete		8/27/2014	--	9.9 J	--	--	<0.56	16 J	--	--	--
		2	Discrete	X	8/27/2014	--	56 J	--	--	0.61	8.4 J	--	--	--
		4	Discrete		8/27/2014	--	7	--	--	<0.55	21	--	--	--
		6	Discrete		8/27/2014	--	6.9	--	--	<0.57	17	--	--	--
		0	Discrete		8/27/2014	--	5.9	--	--	<0.53	9.1	--	--	--
LP-B02	Possible fuel shed impacts	2	Discrete		8/27/2014	--	8.3	--	--	<0.54	40	--	--	--
		4	Discrete		8/27/2014	--	5.9	--	--	<0.51	45	--	--	--
		6	Discrete		8/27/2014	--	44	--	--	0.36 J	8.9	--	--	--
		0.5	5-point composite		8/27/2014	--	15 J	--	--	--	--	--	--	--
LP-SC01	Ash and oil disposed on mill roads	0.5	5-point composite	X	8/27/2014	--	25 J	--	--	--	--	--	--	--
LP-SC02	Ash and oil disposed on mill roads	0.5	5-point composite		8/26/2014	--	65	--	--	--	--	--	--	--
LP-SC03	Ash and oil disposed on mill roads	0.5	5-point composite		8/26/2014	--	130	--	--	--	--	--	--	--
LP-SC04	Ash and oil disposed on mill roads	0.5	5-point composite		8/26/2014	--	6.9	--	--	--	--	--	--	--
LP-SPC01	Ash and impacted sawdust in waste piles	1-2	5-point composite		8/26/2014	--	13	--	--	--	--	--	--	--
LP-SPC02	Ash and impacted sawdust in waste piles	1-2	5-point composite		8/26/2014	--	18	--	--	--	--	--	--	--
LP-SPC03	Ash and impacted sawdust in waste piles	1-2	5-point composite		8/26/2014	--	9.7	--	--	--	--	--	--	--
LP-SPC04	Ash and impacted sawdust in waste piles	1-2	5-point composite		8/26/2014	--	26	--	--	--	--	--	--	--
DP4	Possible ash or fuel impacts from boiler	4	Discrete		12/13/2002	ND	ND	73	ND	0.75	18	--	7.9	13
		0	Discrete		12/13/2002	ND	ND	52	ND	0.99	21	--	6.4	42
HA3	Possible maintenance shop impacts	3	Discrete		12/13/2002	ND	ND	92	ND	ND	16	--	8.8	15

Notes:

1. Human Health Risk Assessment Screening Levels (HHRA SL) Note 3 - DTSC, revised 2015 for commercial/industrial soil. HHRA screening levels applied when available.

2. U.S. EPA Region 9 (2016) commercial/industrial regional screening levels (RSL). Screening level applied when HHRA screening level not available.

3. Site specific background concentrations for arsenic established using ISM sampling in fill (0-3 ft bgs) and native material (>3 ft bgs) only for native materials, therefore 0-3 ft bgs screening level compared to soil stockpile data that was >3 ft bgs.

4. Metals analyzed by U.S. EPA method 6010B, with the exception of mercury, which was analyzed using U.S. EPA method 7471A, and arsenic, which was analyzed by U.S. EPA method 6020.

5. Data collected in previous investigations was not confirmed with lab reports or validated

-- = Not Analyzed or Applicable

< = Analyte not detected. Method Detection Limits shown.

Bold = Analyte reported above laboratory method detection limit but below screening level (if applicable)**Gray and Bold** = analyte reported above screening level

ft bgs = feet below ground surface

Table 2
Analytical Results – Metals in Soil
Targeted Site Investigation Report
Crescent Mills Industrial Site
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SAMPLE LOCATION	POTENTIAL REC	SAMPLE DEPTH (ft bgs)	SAMPLE TYPE	DUPLICATE SAMPLE	DATE SAMPLED ⁵	Metals (U.S. EPA 6010B/7471A/6020) ⁴ (mg/kg)								
						Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
<i>HHRA SL¹</i>						320	4.5	--	--	--	1500	--	1000	--
<i>RSL²</i>						--	--	5,800	--	5,800	--	12.0	--	350,000
<i>ARSENIC BACKGROUND³</i>						--	--	--	--	--	--	--	--	--
DU-1	Anti-stain application area	0-0.5	ISM		2/8/2017	--	--	--	--	--	--	--	--	--
DU-2	Anti-stain dripping area	0-0.5	ISM		2/8/2017	--	--	--	--	--	--	--	--	--
DU-3	Anti-stain dripping area	0-0.5	ISM		2/8/2017	--	--	--	--	--	--	--	--	--
DU-4	Possible ash or fuel impacts from boiler	0-0.5	ISM		2/7/2017	3.3	0.073	<0.15	2.7	<0.28	<0.018	<0.17	8.8	16
DU-5	Possible ash or fuel impacts from boiler	0-0.5	ISM		2/7/2017	22	0.11	<0.75	14	<1.4	<0.50	<0.83	34	86
DU-6	Possible maintenance shop impacts	0-0.5	ISM		2/7/2017	62	--	--	13	--	--	--	--	180
DU-7	Possible maintenance shop impacts	0-0.5	ISM		2/7/2017	25.4+	--	--	12	--	--	--	--	81
DU-8	Ash and oil disposed on mill roads	0-0.5	ISM		2/9/2017	12	0.018 J	<0.75	17	<1.4	<0.50	<0.84	45	51
DU-9	Ash and oil disposed on mill roads	0-0.5	ISM		2/9/2017	23	0.17	<0.75	15	<1.4	<0.50	<0.83	32	75
DU-11	Ash and oil disposed on mill roads	0-0.5	ISM		2/9/2017	34	0.18	<0.75	20	<1.4	<0.50	<0.84	35	100
DU-12	Ash and oil disposed on mill roads	0-0.5	ISM		2/9/2017	34	0.19	<0.74	13	<1.4	<0.50	<0.83	40	89
DU-13	Ash and oil disposed on mill roads	0-0.5	ISM		2/9/2017	31	0.36	<0.75	11	<1.4	<0.50	<0.84	31	60
DU-14	Ash and oil disposed on mill roads	0-0.5	ISM		2/9/2017	4.9	0.017 J	<0.74	4.6	<1.4	<0.089	<0.83	41	48
DU-15	Ash and impacted sawdust in waste piles	1-5	ISM		2/9/2017	19	0.33	<0.75	8.4	<1.4	<0.50	<0.84	35	42
DU-16	Ash and impacted sawdust in waste piles	1-3	ISM		2/9/2017	9.5	0.28	<0.75	11	<1.4	<0.50	<0.83	53	76
DU-17	Ash and impacted sawdust in waste piles	1-3	ISM		2/9/2017	8.3	0.38	<0.74	11	<1.4	<0.49	<0.83	53	62
DU-18	Ash and impacted sawdust in waste piles	0.5-1	ISM		2/9/2017	16	0.35	<0.74	9.1	<1.4	<0.49	<0.83	37	50
DU-19	Ash and impacted sawdust in waste piles	1-5	ISM		2/9/2017	19	0.22	0.81 J	13	1.4 UJ	<0.50	0.83 J	46	56
DU-20	Ash and impacted sawdust in waste piles	1-3	ISM		2/9/2017	18	0.33	<0.75	11	<1.4	<0.50	<0.84	43	100
DU-21	Ash and impacted sawdust in waste piles	1-3	ISM		2/9/2017	52	2.1	<0.75	12	<1.4	<0.50	<0.84	46	72
SB-2	Possible transformer impacts	0.5-1	Discrete		2/8/2017	--	--	--	--	--	--	--	--	--
SB-3	Possible transformer impacts	0.5-1	Discrete	X	2/8/2017	--	--	--	--	--	--	--	--	--
SB-4	Anti-stain application area	2-4	Discrete		2/8/2017	--	--	--	--	--	--	--	--	--
SB-5	Possible fuel shed impacts	1-3	Discrete		2/6/2017	--	--	--	--	--	--	--	--	--
SB-6	Possible fuel shed impacts	3-5	Discrete		2/6/2017	--	--	--	--	--	--	--	--	--
SB-11	Possible fuel shed impacts	0.5-1	Discrete		2/7/2017	--	--	--	--	--	--	--	--	--
SB-12	End-seal application area	4-5	Discrete		2/7/2017	1.4	<0.0094	<0.56	0.78 J	0.46 J	<0.11	<0.28	16	21
SB-13	Possible product piping	1-3	Discrete		2/6/2017	--	--	--	--	--	--	--	--	--
SB-14	Former storage tanks of unknown contents	1-4	Discrete		2/8/2017	--	--	--	--	--	--	--	--	--
SB-15	Former storage tanks of unknown contents	1-4	Discrete	X	2/8/2017	--	--	--	--	--	--	--	--	--
LP-B01	Former gasoline tank area	2-5	Discrete		2/6/2017	--	--	--	--	--	--	--	--	--
		0	Discrete		8/27/2014	52	--	--	20	--	--	--	--	150
		2	Discrete		8/27/2014	16 J	--	--	6.3 J	--	--	--	--	88 J
		2	Discrete	X	8/27/2014	74 J	--	--	17 J	--	--	--	--	180 J
		4	Discrete		8/27/2014	8.2	--	--	6.9	--	--	--	--	61
LP-B02	Possible fuel shed impacts	6	Discrete		8/27/2014	5.8	--	--	6.1	--	--	--	--	43
		0	Discrete		8/27/2014	5.4	--	--	7.1	--	--	--	--	64
		2	Discrete		8/27/2014	3.7 J	--	--	18	--	--	--	--	45
		4	Discrete		8/27/2014	8.2	--	--	34	--	--	--	--	56
LP-SC01	Ash and oil disposed on mill roads	6	Discrete		8/27/2014	67 J	--	--	9.7	--	--	--	--	190
		0.5	5-point composite		8/27/2014	15 J	--	--	--	--	--	--	--	--
		0.5	5-point composite	X	8/27/2014	35 J	--	--	--	--	--	--	--	--
LP-SC02	Ash and oil disposed on mill roads	0.5	5-point composite		8/26/2014	26	--	--	--	--	--	--	--	--
LP-SC03	Ash and oil disposed on mill roads	0.5	5-point composite		8/26/2014	11	--	--	--	--	--	--	--	--
LP-SC04	Ash and oil disposed on mill roads	0.5	5-point composite		8/26/2014	7.3	--	--	--	--	--	--	--	--
LP-SPC01	Ash and impacted sawdust in waste piles	1-2	5-point composite		8/26/2014	9.4	--	--	--	--	--	--	--	--
LP-SPC02	Ash and impacted sawdust in waste piles	1-2	5-point composite		8/26/2014	13	--	--	--	--	--	--	--	--
LP-SPC03	Ash and impacted sawdust in waste piles	1-2	5-point composite		8/26/2014	14	--	--	--	--	--	--	--	--
LP-SPC04	Ash and impacted sawdust in waste piles	1-2	5-point composite		8/26/2014	29	--	--	--	--	--	--	--	--
DP4	Possible ash or fuel impacts from boiler	4	Discrete		12/13/2002	1.8	0.0475	ND	6.9	ND	ND	ND	34	32
HA3	Possible maintenance shop impacts	0	Discrete		12/13/2002	114	0.0647	ND	12	ND	ND	ND	20	344
		3	Discrete		12/13/2002	3.8	0.0735	ND	6.4	ND	ND	ND	29	76

Notes:

1. Human Health Risk Assessment Screening Levels (HHRA SL). Note 3 - DTSC, revised 2015 for commercial/industrial soil. HHRA screening levels applied when available.

2. U.S. EPA Region 9 (2016) commercial/industrial screening levels (RSL). Screening level applied when HHRA screening level not available.

3. Site specific background concentrations for arsenic established using ISM sampling in fill (0-3 ft bgs) and native material (>3 ft bgs). Background concentration >3 ft bgs only for native materials, therefore 0-3 ft bgs screening level compared to soil stockpile data that was >3 ft bgs.

4. Metals analyzed by U.S. EPA method 6010B, with the exception of mercury, which was analyzed using U.S. EPA method 7471A, and arsenic, which was analyzed by U.S. EPA method 6020.

5. Data collected in previous investigations was not confirmed with lab reports or validated

-- = Not Analyzed or Applicable

Table 3
Analytical Results – Dioxins and Furans in Soil
Targeted Site Investigation Report
Crescent Mills Industrial Site
18690 California Highway 89, Crescent Mills, California

SAMPLE LOCATION	POTENTIAL REC	SAMPLE DEPTH	SAMPLE TYPE	DUPLICATE SAMPLE	DATE SAMPLED ³	2,3,7,8-TCDD TEQ (pg/g)	Dioxins and Furans (U.S. EPA Method 8290) (pg/g)										
							2,3,7,8-TCDD	1,2,3,4,6,7,8-HxCDD	1,2,3,4,6,7,8-HpCDF	1,2,3,4,7,8-HpCDF	1,2,3,4,7,8-HxCDF	1,2,3,4,7,8-HxCDD	1,2,3,6,7,8-HxCDF	1,2,3,6,7,8-HxCDD	1,2,3,7,8-HxCDF	1,2,3,7,8,9-HxCDD	
HHRA SL¹						200	200	-	-	-	-	-	-	-	-	-	-
DU-1	Anti-stain application area	0-0.5	ISM		2/8/2017	170	2.2 J	4300	1100	49	29	76	630	45	52	5.0 J	
DU-2	Anti-stain dripping area	0-0.5	ISM		2/8/2017	1.7 J	0.23 J	26	5.7	<5	<5	<5	<5	<5	<5	<5	<0.056
DU-3	Anti-stain dripping area	0-0.5	ISM		2/8/2017	13	<0.22	280	69	2.8 J	2.2 J	4.7 J	39	3.5 J	7.1 J	<0.38	
DU-4	Possible ash or fuel impacts from boiler	0-0.5	ISM		2/7/2017	11	0.72 J	260	29	<5	2.9 J	2.0 J	19	<5	8.7	<0.23	
DU-5	Possible ash or fuel impacts from boiler	0-0.5	ISM		2/7/2017	19 J	3.2 J	450	58	3.3 J	5.4 J	2.5 J	26	2.2 J	13 J	<0.52	
DU-6	Possible maintenance shop impacts	0-0.5	ISM		2/7/2017	--	--	--	--	--	--	--	--	--	--	--	
DU-7	Possible maintenance shop impacts	0-0.5	ISM		2/7/2017	--	--	--	--	--	--	--	--	--	--	--	
DU-8	Ash and oil disposed on mill roads	0-0.5	ISM		2/9/2017	10.3 J	<0.27	240 J	32	<25	<25	<25	<25	<25	<25	<25	<0.35
DU-9	Ash and oil disposed on mill roads	0-0.5	ISM		2/9/2017	2.7 J	0.34 J	85	12	<0.28	<5	<5	<5	<5	<5	<5	<0.077
DU-11	Ash and oil disposed on mill roads	0-0.5	ISM		2/9/2017	7.0	1.4	230	26	<5	<5	<5	11	<5	<5	<0.1	
DU-12	Ash and oil disposed on mill roads	0-0.5	ISM		2/9/2017	6.4	2.6	83	18	<5	<5	<5	7.4	<5	<5	<0.13	
DU-13	Ash and oil disposed on mill roads	0-0.5	ISM		2/9/2017	57	1.2	1500	270	10	7.4	17	200	15	31	<1.1	
DU-14	Ash and oil disposed on mill roads	0-0.5	ISM		2/9/2017	0.89 J	<0.043	9.8	<5	<5	<5	<5	<5	<5	<5	<0.05	
DU-15	Ash and impacted sawdust in waste piles	1-5	ISM		2/9/2017	5.9	0.27 J	190	30	<5	<5	<5	17	<5	<5	<0.13	
DU-16	Ash and impacted sawdust in waste piles	1-3	ISM		2/9/2017	25	1.4	630	100	<5	<5	<5	61	<5	16	<0.37	
DU-17	Ash and impacted sawdust in waste piles	1-3	ISM		2/9/2017	7.2	1.4	170	33	<5	<5	<5	17	<5	<5	<0.12	
DU-18	Ash and impacted sawdust in waste piles	0.5-1	ISM		2/9/2017	5.4	0.59 J	110	23	0.81 J	1.1 J	1.6 J	13	1.1 J	3.4 J	<0.15	
DU-19	Ash and impacted sawdust in waste piles	1-5	ISM		2/9/2017	7.5	0.52 J	270	39	<5	<5	<5	20	<5	<5	<0.14	
DU-20	Ash and impacted sawdust in waste piles	1-3	ISM		2/9/2017	4.8 J	0.50 J	110	28	<5	<5	<5	15	<5	<5	<0.2	
DU-21	Ash and impacted sawdust in waste piles	1-3	ISM		2/9/2017	1.7 J	0.89 J	26	<5	<0.075	<5	<5	<5	<5	<5	<0.049	
SB-2	Possible transformer impacts	0.5-1	Discrete		2/8/2017	--	--	--	--	--	--	--	--	--	--	--	
SB-2	Possible transformer impacts	0.5-1	Discrete	X	2/8/2017	--	--	--	--	--	--	--	--	--	--	--	
SB-3	Anti-stain application area	2-4	Discrete		2/8/2017	0.61 J	<0.014	<5.8	<5.8	<5.8	0.038 J	0.050 J	0.084 J	<0.022	<5.8	0.052 J	
SB-5	Possible fuel shed impacts	1-3	Discrete		2/6/2017	--	--	--	--	--	--	--	--	--	--	--	
SB-6	Possible fuel shed impacts	3-5	Discrete		2/6/2017	--	--	--	--	--	--	--	--	--	--	--	
SB-11	Possible transformer impacts	0.5-1	Discrete		2/7/2017	--	--	--	--	--	--	--	--	--	--	--	
SB-12	End-seal application area	4-5	Discrete		2/7/2017	--	--	--	--	--	--	--	--	--	--	--	
SB-13	Possible product piping	1-3	Discrete		2/6/2017	--	--	--	--	--	--	--	--	--	--	--	
SB-14	Former storage tanks of unknown contents	1-4	Discrete		2/8/2017	0.91	<0.037	<5.7	<5.7	<5.7	<5.7	<0.035 J	0.15 J	0.085 J	<0.046 J	<5.7	0.11 J
SB-14	Former storage tanks of unknown contents	1-4	Discrete	X	2/8/2017	0.76 J	<0.028	<5.8	<5.8	<5.8	0.070 J	<0.058 J	0.20 J	<5.8	<5.8	0.086 J	
SB-15	Former gasoline tank area	2-5	Discrete		2/6/2017	--	--	--	--	--	--	--	--	--	--	--	
LP-SC01	Ash and oil disposed on mill roads	0.5	5-point composite		8/27/2014	5.99 J	--	--	--	--	--	--	--	--	--	--	
LP-SC02	Ash and oil disposed on mill roads	0.5	5-point composite	X	8/27/2014	7.52 J	--	--	--	--	--	--	--	--	--	--	
LP-SC03	Ash and oil disposed on mill roads	0.5	5-point composite		8/26/2014	5.49 J	--	--	--	--	--	--	--	--	--	--	
LP-SC04	Ash and oil disposed on mill roads	0.5	5-point composite		8/26/2014	19.98 J	--	--	--	--	--	--	--	--	--	--	
LP-SPC01	Ash and impacted sawdust in waste piles	1-2	5-point composite		8/26/2014	9.88 J	--	--	--	--	--	--	--	--	--	--	
LP-SPC02	Ash and impacted sawdust in waste piles	1-2	5-point composite		8/26/2014	4.89 J	--	--	--	--	--	--	--	--	--	--	
LP-SPC03	Ash and impacted sawdust in waste piles	1-2	5-point composite		8/26/2014	6.85 J	--	--	--	--	--	--	--	--	--	--	
LP-SPC04	Ash and impacted sawdust in waste piles	1-2	5-point composite		8/26/2014	3 J	--	--	--	--	--	--	--	--	--	--	

Notes:

1. Human Health Risk Assessment Screening Levels (HHRA SL) Note 3 - DTSC, revised 2015. HHRA screening levels applied when available.
2. Dioxin and Furan toxicity equivalence factors (TEQ) used to calculate dioxin and furan toxicity as 2,3,7,8-TCDD TEQ which was compared to HHRA
3. Data collected in previous investigations was not confirmed with lab reports or validated

-- = Not Analyzed, Applicable, or Available

< = Analyte not detected. Method Detection Limits shown.

Bold = Analyte reported above laboratory method detection limit but below screening level (if applicable)

ft bgs = feet below ground surface

2,3,7,8-TCDD TEQ = 2,3,7,8-tetrachlorodibenzo-p-dioxin Toxic Equivalency

HxCDD = heptachlorodibenzo-p-dioxin

HxCDF = heptachlorodibenzofuran

Table 3
Analytical Results – Dioxins and Furans in Soil
Targeted Site Investigation Report
Crescent Mills Industrial Site
18690 California Highway 89, Crescent Mills, California

SAMPLE LOCATION	POTENTIAL REC	SAMPLE DEPTH	SAMPLE TYPE	DUPLICATE SAMPLE	DATE SAMPLED ³	Dioxins and Furans (U.S. EPA Method 8290) (pg/g)															
						1,2,3,7,8-PeCDD	1,2,3,7,8-PeCDF	2,3,4,6,7,8-HxCDF	2,3,4,7,8-PeCDF	2,3,7,8-TCDF	OCDD	OCDF	Total HpCDD	Total HpCDF	Total HxCDD	Total HxCDF	Total PeCDD	Total PeCDF	Total TCDD	Total TCDF	
<i>HHRA SL¹</i>																					
DU-1	Anti-stain application area	0-0.5	ISM		2/8/2017	17 J	15 J	50	18 J	10	9900	500	7000	3300	1600	2600 J	70 J	390	10	49 J	
DU-2	Anti-stain dripping area	0-0.5	ISM		2/8/2017	0.27 J	0.11 J	0.31 J	0.14 J	<1	95	<10	45	13	11 J	11 J	<5	3.9 J	<1	<1	
DU-3	Anti-stain dripping area	0-0.5	ISM		2/8/2017	2.2 J	1.4 J	3.6 J	2.2 J	2.5 J	730	<50	430	190	110 J	150 J	6.7 J	37 J	<0.22	7.8 J	
DU-4	Possible ash or fuel impacts from boiler	0-0.5	ISM		2/7/2017	2.8 J	0.62 J	1.2 J	0.82 J	0.85 J	2000	34	470	87	100	47	15 J	16 J	13 J	13 J	
DU-5	Possible ash or fuel impacts from boiler	0-0.5	ISM		2/7/2017	4.7 J	<0.47	2.0 J	<0.48	1.2 J	3800	85	800	180	140	70 J	25 J	12 J	9.7 J	3.2 J	
DU-6	Possible maintenance shop impacts	0-0.5	ISM		2/7/2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
DU-7	Possible maintenance shop impacts	0-0.5	ISM		2/7/2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
DU-8	Ash and oil disposed on mill roads	0-0.5	ISM		2/9/2017	2.2 J	0.34 J	1.2 J	0.48 J	<5	1300	<50	430	95	79	45 J	<25	10 J	<5	<5	
DU-9	Ash and oil disposed on mill roads	0-0.5	ISM		2/9/2017	0.68 J	0.10 J	0.49 J	0.23 J	<1	720	19	210	34	29 J	19 J	<5	8.9 J	<1	1.4 J	
DU-11	Ash and oil disposed on mill roads	0-0.5	ISM		2/9/2017	1.1 J	0.27 J	1.1 J	0.52 J	<1	740	34	360	81	52 J	34 J	<5	14	2.1	3.2 J	
DU-12	Ash and oil disposed on mill roads	0-0.5	ISM		2/9/2017	0.96 J	0.21 J	1.1 J	0.64 J	<1	410	23	140	50	33 J	42 J	5.1	24 J	3.3 J	4.9 J	
DU-13	Ash and oil disposed on mill roads	0-0.5	ISM		2/9/2017	6.2	5.1	14	7.0	4.7	3100	120	2400	700	680	600	26 J	150	6.7 J	23	
DU-14	Ash and oil disposed on mill roads	0-0.5	ISM		2/9/2017	0.19 J	<0.032	0.13 J	<0.033	<0.031	68	<10	18	<5	<5	<5	<5	0.43 J	<0.043	<0.031	
DU-15	Ash and impacted sawdust in waste piles	1-5	ISM		2/9/2017	0.47 J	0.58 J	1.3 J	0.80 J	<0.99	720	17	400	80	73 J	61	<5	15	<0.99	3.8 J	
DU-16	Ash and impacted sawdust in waste piles	1-3	ISM		2/9/2017	3.5 J	2.2 J	4.4 J	3.3 J	3.4	1600	82	1000	300	300	230	27	52	8.8 J	11 J	
DU-17	Ash and impacted sawdust in waste piles	1-3	ISM		2/9/2017	0.95 J	0.64 J	1.3 J	0.90 J	<1	650	42	260	100	51	64 J	<5	16 J	2.0 J	2.6 J	
DU-18	Ash and impacted sawdust in waste piles	0.5-1	ISM		2/9/2017	0.89 J	0.53 J	0.95 J	0.69 J	0.81 J	370	19	180	62 J	47 J	47 J	3.2 J	11 J	0.94 J	1.9 J	
DU-19	Ash and impacted sawdust in waste piles	1-5	ISM		2/9/2017	0.58 J	0.54 J	1.6 J	0.80 J	<1	1200	26	500	110	73	75 J	<5	14 J	<1	1.8	
DU-20	Ash and impacted sawdust in waste piles	1-3	ISM		2/9/2017	0.67 J	0.49 J	0.95 J	0.55 J	<1	310	20	170	73 J	47 J	48 J	<5	11 J	<1	2.3 J	
DU-21	Ash and impacted sawdust in waste piles	1-3	ISM		2/9/2017	0.19 J	<0.044	0.21 J	0.13 J	<0.99	79	<9.9	42	13	11 J	9.0 J	<5	2.4 J	1.2 J	<0.99	
SB-2	Possible transformer impacts	0.5-1	Discrete		2/8/2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SB-2	Possible transformer impacts	0.5-1	Discrete	X	2/8/2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SB-3	Anti-stain application area	2-4	Discrete		2/8/2017	<0.019	0.037 J	0.058 J	0.032 J	<0.011	12	<12	<5.8	<5.8	<5.8	<5.8	<0.019	0.070 J	<0.014	<0.011	
SB-5	Possible fuel shed impacts	1-3	Discrete		2/6/2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SB-6	Possible fuel shed impacts	3-5	Discrete		2/6/2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SB-11	Possible transformer impacts	0.5-1	Discrete		2/7/2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SB-12	End-seal application area	4-5	Discrete		2/7/2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SB-13	Possible product piping	1-3	Discrete		2/6/2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SB-14	Former storage tanks of unknown contents	1-4	Discrete		2/8/2017	<0.049	<0.034 J	0.094 J	0.061 J	0.090 J	<11	<11	<5.7	<5.7	<5.7	<5.7	<0.049 J	0.35 J	<0.037	0.60 J	
SB-14	Former storage tanks of unknown contents	1-4	Discrete	X	2/8/2017	<0.043	0.16 J	0.28 J	0.17 J	0.30 J	<12	<12	<5.8	<5.8	<5.8	<5.8	0.10 J	4.3 J	<0.028	1.9 J	
SB-15	Former gasoline tank area	2-5	Discrete		2/6/2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
LP-SC01	Ash and oil disposed on mill roads	0.5	5-point composite		8/27/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
LP-SC02	Ash and oil disposed on mill roads	0.5	5-point composite	X	8/27/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
LP-SC03	Ash and oil disposed on mill roads	0.5	5-point composite		8/26/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
LP-SC04	Ash and oil disposed on mill roads	0.5	5-point composite		8/26/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
LP-SPC01	Ash and impacted sawdust in waste piles	1-2	5-point composite		8/26/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
LP-SPC02	Ash and impacted sawdust in waste piles	1-2	5-point composite		8/26/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
LP-SPC03	Ash and impacted sawdust in waste piles	1-2	5-point composite		8/26/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
LP-SPC04	Ash and impacted sawdust in waste piles	1-2	5-point composite		8/26/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	

Notes:

Table 4
Analytical Results – PAHs, TPH, and VOCs in Soil
Targeted Site Investigation Report
Crescent Mills Industrial Site
18690 California Highway 89, Crescent Mills, California

SAMPLE LOCATION	POTENTIAL REC	SAMPLE DEPTH (ft bgs)	SAMPLE TYPE	DUPLICATE SAMPLE	DATE SAMPLED ³	Benzo(a)pyrene TEQ ($\mu\text{g}/\text{kg}$) ⁵	PAHs U.S. EPA Method 8270C ($\mu\text{g}/\text{kg}$)		TPH U.S. EPA Method 8015M (mg/kg)			VOCs U.S. EPA Method 8260B (mg/kg) ⁴								
							Benzo(a)pyrene	Other PAHs	TPH-D withSGC	TPH-D without SG ^C	TPH-MO with SG ^C	TPH-MO without SG ^C	TPH-G	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Acetone	2-Butanone
RSL ¹						290	290	--	--	--	--	--	1.4	47,000	25	2,500	210	67,000	190,000	--
ESL ²						--	--	--	230	230	5,100	5,100	100	--	--	--	--	--	--	--
DU-1	Anti-stain application area	0-0.5	ISM		2/8/2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
DU-2	Anti-stain dripping area	0-0.5	ISM		2/8/2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
DU-3	Anti-stain dripping area	0-0.5	ISM		2/8/2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
DU-4	Possible ash or fuel impacts from boiler	0-0.5	ISM		2/7/2017	6300	<5300	ND	340	390	1300	1500	--	--	--	--	--	--	--	
DU-5	Possible ash or fuel impacts from boiler	0-0.5	ISM		2/7/2017	13000	<11000	ND	580	470	1400	1300	--	--	--	--	--	--	--	
DU-6	Possible maintenance shop impacts	0-0.5	ISM		2/7/2017	1200	<1000	ND	190	180	500	530	--	--	--	--	--	--	--	
DU-7	Possible maintenance shop impacts	0-0.5	ISM		2/7/2017	660	<550	ND	67	67	180	190	--	--	--	--	--	--	--	
DU-8	Ash and oil disposed on mill roads	0-0.5	ISM		2/9/2017	11000	<9200	ND	1600	1600	3900	4700	--	--	--	--	--	--	--	
DU-9	Ash and oil disposed on mill roads	0-0.5	ISM		2/9/2017	5600	<4700	ND	510	400	1300	1300	--	--	--	--	--	--	--	
DU-11	Ash and oil disposed on mill roads	0-0.5	ISM		2/9/2017	5600	<4700	ND	380	400	1000	1200	--	--	--	--	--	--	--	
DU-12	Ash and oil disposed on mill roads	0-0.5	ISM		2/9/2017	5600	<4700	ND	370	450	980	1300	--	--	--	--	--	--	--	
DU-13	Ash and oil disposed on mill roads	0-0.5	ISM		2/9/2017	5500	<4600	ND	270	290	680	770	--	--	--	--	--	--	--	
DU-14	Ash and oil disposed on mill roads	0-0.5	ISM		2/9/2017	560	<470	ND	21	23	74	88	--	--	--	--	--	--	--	
DU-15	Ash and impacted sawdust in waste piles	1-5	ISM		2/9/2017	600	<500	ND	--	--	--	--	--	--	--	--	--	--	--	
DU-16	Ash and impacted sawdust in waste piles	1-3	ISM		2/9/2017	590	<490	ND	--	--	--	--	--	--	--	--	--	--	--	
DU-17	Ash and impacted sawdust in waste piles	1-3	ISM		2/9/2017	580	<480	ND	--	--	--	--	--	--	--	--	--	--	--	
DU-18	Ash and impacted sawdust in waste piles	0.5-1	ISM		2/9/2017	6000	<5000	ND	--	--	--	--	--	--	--	--	--	--	--	
DU-19	Ash and impacted sawdust in waste piles	1-5	ISM		2/9/2017	5900	<4900	ND	--	--	--	--	--	--	--	--	--	--	--	
DU-20	Ash and impacted sawdust in waste piles	1-3	ISM		2/9/2017	1200	<1000	ND	--	--	--	--	--	--	--	--	--	--	--	
DU-21	Ash and impacted sawdust in waste piles	1-3	ISM		2/9/2017	110	<94	ND	--	--	--	--	--	--	--	--	--	--	--	
SB-2	Possible transformer impacts	0.5-1	Discrete		2/8/2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SB-3	Possible transformer impacts	0.5-1	Discrete	X	2/8/2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SB-5	Anti-stain application area	2-4	Discrete		2/8/2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SB-6	Possible fuel shed impacts	1-3	Discrete		2/6/2017	120	<100	ND	1.4	1.2	<3.9	<3.9	--	--	--	--	--	--	--	
SB-11	Possible transformer impacts	0.5-1	Discrete		2/7/2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SB-12	End-seal application area	4-5	Discrete		2/7/2017	--	--	--	<1.2	<0.58	<4.3	<4.3	--	--	--	--	--	--	--	
SB-13	Possible product piping	1-3	Discrete		2/6/2017	130	<110	ND	<1.1	0.60 J	<4.3	4.6 J	--	--	--	--	--	--	--	
SB-14	Former storage tanks of unknown contents	1-4	Discrete		2/8/2017	120	<110	ND	1.1	<1.1	<4.3	<4.3	--	--	--	--	--	--	--	
SB-15	Former storage tanks of unknown contents	1-4	Discrete	X	2/8/2017	130	<110	ND	1.9	1.7	<4.5	4.8 J	--	--	--	--	--	--	--	
SB-16	Possible maintenance shop impacts	0.5-1	Discrete		3/22/2017	4700	<4100	ND	--	--	--	--	--	--	--	--	--	--	--	
SB-17	Possible ash or fuel impacts from boiler	0.5-1	Discrete		3/22/2017	2500	<2200	ND	--	--	--	--	--	--	--	--	--	--	--	
SB-18	Possible ash or fuel impacts from boiler	0.5-1	Discrete		3/22/2017	2400	<2100	ND	--	--	--	--	--	--	--	--	--	--	--	
SB-19	Ash and oil disposed on mill roads	0.5-1	Discrete		3/22/2017	2100	<1800	ND	--	--	--	--	--	--	--	--	--	--	--	
SB-20	Ash and impacted sawdust in waste piles	0.5-1	Discrete		3/22/2017	2500	<2200	ND	--	--	--	--	--	--	--	--	--	--	--	
LP-B01	Possible maintenance shop impacts	0	Discrete		8/27/2014	--	--	--	170	--	1200	--	--	--	--	--	--	--	--	--
		2	Discrete		8/27/2014	--	--	--	22 J	--	100 J	<3.8	<0.0028	<0.0028	<0.0028	ND	--	--	--	--
		2	Discrete	X	8/27/2014	--	--	--	91 J	--	490 J	<4.1	<0.0024	<0.0024	<0.0024	ND	--	--	--	--
		4	Discrete		8/27/2014	--	--	--	4.2 J	--	19 J	<2.5	<0.0025	<0.0025	<0.0025	ND	--	--	--	--
		6	Discrete		8/27/2014	--	--	--	<5.6	--	<22	<2.6	<0.0023	<0.0023	<0.0023	ND	--	--	--	--
LP-B02	Possible fuel shed impacts	0	Discrete		8/27/2014	--	--	--	<5.3	--	<21	--	--	--	--	--	--	--	--	--
		2	Discrete		8/27/2014	--	--	--	<5.4	--	<22	<4.3	0.0039	0.0027	<0.0027	ND	--	--	--	--
		4	Discrete		8/27/2014	--	--	--	9	--</										

Table 4
Analytical Results – PAHs, TPH, and VOCs in Soil
Targeted Site Investigation Report
Crescent Mills Industrial Site
18690 California Highway 89, Crescent Mills, California

SAMPLE LOCATION	POTENTIAL REC	SAMPLE DEPTH (ft bgs)	SAMPLE TYPE	DUPLICATE SAMPLE	DATE SAMPLED ³	Benzo(a)pyrene TEQ ($\mu\text{g}/\text{kg}$) ⁵	PAHs U.S. EPA Method 8270C ($\mu\text{g}/\text{kg}$)		TPH U.S. EPA Method 8015M (mg/kg)			VOCs U.S. EPA Method 8260B (mg/kg) ⁴								
							Benzo(a)pyrene	Other PAHs	TPH-D withSGC	TPH-D without SG ^C	TPH-MO with SG ^C	TPH-MO without SG ^C	TPH-G	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Acetone	2-Butanone
RSL¹						290	290	--	--	--	--	--	1.4	47,000	25	2,500	210	67,000	190,000	--
ESL²						--	--	--	230	230	5,100	5,100	100	--	--	--	--	--	--	--
LP-SC01	Ash and oil disposed on mill roads	0.5	5-point composite		8/27/2014	--	--	--	640 J	--	2700 J	--	--	--	--	--	--	--	--	--
LP-SC01	Ash and oil disposed on mill roads	0.5	5-point composite	X	8/27/2014	--	--	--	650 J	--	2500 J	--	--	--	--	--	--	--	--	--
LP-SC02	Ash and oil disposed on mill roads	0.5	5-point composite		8/26/2014	--	--	--	62	--	460	--	--	--	--	--	--	--	--	--
LP-SC03	Ash and oil disposed on mill roads	0.5	5-point composite		8/26/2014	--	--	--	66	--	560	--	--	--	--	--	--	--	--	--
LP-SC04	Ash and oil disposed on mill roads	0.5	5-point composite		8/26/2014	--	--	--	140	--	690	--	--	--	--	--	--	--	--	--
LP-SPC01	Ash and impacted sawdust in waste piles	1-2	5-point composite		8/26/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LP-SPC02	Ash and impacted sawdust in waste piles	1-2	5-point composite		8/26/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LP-SPC03	Ash and impacted sawdust in waste piles	1-2	5-point composite		8/26/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LP-SPC04	Ash and impacted sawdust in waste piles	1-2	5-point composite		8/26/2014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
DP1	Former gasoline tank area	0	Discrete		12/13/2002	--	--	--	<1	--	<10	<1	<0.005	<0.005	<0.005	ND	<0.005	--	--	--
DP1	Former gasoline tank area	6	Discrete		12/13/2002	--	--	--	<1	--	<10	<1	<0.005	<0.005	<0.005	ND	<0.005	--	--	--
DP2	Former gasoline tank area	0	Discrete		12/13/2002	--	--	--	<1	--	<10	<1	<0.005	<0.005	<0.005	ND	<0.005	--	--	--
DP2	Former gasoline tank area	10	Discrete		12/13/2002	--	--	--	<1	--	<10	<1	<0.005	<0.005	<0.005	ND	<0.005	--	--	--
DP3	Anti-stain application area	0	Discrete		12/13/2002	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
DP3	Anti-stain application area	6	Discrete		12/13/2002	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
DP4	Possible ash or fuel impacts from boiler	4	Discrete		12/13/2002	--	--	--	<1	--	<10	<1	<0.005	<0.005	<0.005	ND	<0.005	45	9.9	--
DP5	Possible oil dispensing unit impacts	0	Discrete		12/13/2002	--	--	--	<1	--	<10	<1	<0.005	<0.005	<0.005	ND	<0.005	--	--	--
DP5	Possible oil dispensing unit impacts	6	Discrete		12/13/2002	--	--	--	<1	--	<10	<1	<0.005	<0.005	<0.005	ND	<0.005	--	--	--
HA1	Anti-stain application area	0	Discrete		12/13/2002	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
HA1	Anti-stain application area	3	Discrete		12/13/2002	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
HA3	Possible maintenance shop impacts	0	Discrete		12/13/2002	--	--	--	<1	--	550	<1	<0.005	<0.005	<0.005	ND	<0.005	--	--	ND
HA5	Possible ash or fuel impacts from boiler	0	Discrete		12/13/2002	--	--	--	<1	--	<10	<1	<0.005	<0.005	<0.005	ND	<0.005	--	--	--
HA6	Possible product piping	0	Discrete		12/13/2002	--	--	--	<1	--	<10	<1	<0.005	<0.005	<0.005	ND	<0.005	--	--	--
HA6	Possible product piping	3	Discrete		12/13/2002	--	--	--	<1	--	<10	<1	<0.005	<0.005	<0.005	ND	<0.005	--	--	--

Notes:

1. U.S. EPA Region 9 (2015) regional screening levels (RSL). Screening level applied when HHRA screening level not available.

2. Environmental Screening Level (ESL) from San Francisco Bay Regional Water Quality Control Board revised December 2013.

3. Data collected in previous investigations was not confirmed with lab reports or validated

4. VOCs not analyzed during this investigation - no screening levels compiled for data

5. Benzo(a)pyrene TEQ calculated using 1/2 the method detection limit where data was not detected by laboratory.

-- = Not Analyzed or Applicable

< = Analyte not detected. Method Detection Limits shown.

Bold = Analyte reported above laboratory method detection limit but below screening level

Italicized = Analyte not reported above MDL - TEQ calculated using concentration of one half the MDL

Gray and Bold = Analyte reported above screening level

Gray and Italicized = Analyte not reported above MDL; MDL or TEQ above screening level due to matrix interference

J = Analyte was positively identified; approximate concentration reported

ft bgs = feet below ground surface

MDL = method detection limit

mg/kg - milligrams per kilogram

MTBE = methyl tert-butyl ether

ND = Analytes not detected in the sample

PAHs = polycyclic aromatic hydrocarbons

REC = recognized environmental condition

SGC = Silica Gel Cleanup

TEQ = toxic equivalency

TPH-G, D, MO = total petroleum hydrocarbons in the gasoline, diesel, and motor oil ranges

$\mu\text{g}/\text{kg}$ - micrograms per kilogram

U.S. EPA = United States Environmental Protection Agency

VOCs = volatile organic compounds

Table 5
Analytical Results – Anti-Stain Agents and PCBs in Soil
Targeted Site Investigation Report
Crescent Mills Industrial Site
18690 California Highway 89, Crescent Mills, California

SAMPLE LOCATION	POTENTIAL REC	SAMPLE DEPTH (ft bgs)	SAMPLE TYPE	DUPLICATE SAMPLE	DATE SAMPLED ²	Carbamates U.S. EPA Method 8321A (µg/kg)	SVOCs U.S. EPA Method 8270C (µg/kg)			PCBs U.S. EPA Method 8082 (µg/kg)	
							Carbamates	2,4,6-TCP	PCP	Phenols	PCB-1260
RSL¹						--	210000	4000	--	990	--
DU-1	Anti-stain application area	0-0.5	ISM		2/8/2017	ND	<9800	<6000	--	--	--
DU-2	Anti-stain dripping area	0-0.5	ISM		2/8/2017	ND	<4700	<2900	--	--	--
DU-3	Anti-stain dripping area	0-0.5	ISM		2/8/2017	ND	<5300	<3200	--	--	--
DU-4	Possible ash or fuel impacts from boiler	0-0.5	ISM		2/7/2017	--	--	--	--	--	--
DU-5	Possible ash or fuel impacts from boiler	0-0.5	ISM		2/7/2017	--	--	--	--	--	--
DU-6	Possible maintenance shop impacts	0-0.5	ISM		2/7/2017	--	--	--	--	--	--
DU-7	Possible maintenance shop impacts	0-0.5	ISM		2/7/2017	--	--	--	--	--	--
DU-8	Ash and oil disposed on mill roads	0-0.5	ISM		2/9/2017	--	--	--	--	--	--
DU-9	Ash and oil disposed on mill roads	0-0.5	ISM		2/9/2017	--	--	--	--	--	--
DU-11	Ash and oil disposed on mill roads	0-0.5	ISM		2/9/2017	--	--	--	--	--	--
DU-12	Ash and oil disposed on mill roads	0-0.5	ISM		2/9/2017	--	--	--	--	--	--
DU-13	Ash and oil disposed on mill roads	0-0.5	ISM		2/9/2017	--	--	--	--	--	--
DU-14	Ash and oil disposed on mill roads	0-0.5	ISM		2/9/2017	--	--	--	--	--	--
DU-15	Ash and impacted sawdust in waste piles	1-5	ISM		2/9/2017	ND	<450	<270	--	--	--
DU-16	Ash and impacted sawdust in waste piles	1-3	ISM		2/9/2017	ND	<440	<270	--	--	--
DU-17	Ash and impacted sawdust in waste piles	1-3	ISM		2/9/2017	ND	<430	<260	--	--	--
DU-18	Ash and impacted sawdust in waste piles	0.5-1	ISM		2/9/2017	ND	<4500	<2700	--	--	--
DU-19	Ash and impacted sawdust in waste piles	1-5	ISM		2/9/2017	ND	<4300	<2600	--	--	--
DU-20	Ash and impacted sawdust in waste piles	1-3	ISM		2/9/2017	ND	<900	<540	--	--	--
DU-21	Ash and impacted sawdust in waste piles	1-3	ISM		2/9/2017	ND	<84	<51	--	--	--
SB-2	Possible transformer impacts	0.5-1	Discrete		2/8/2017	--	--	--	--	<3.3	ND
	Possible transformer impacts	0.5-1	Discrete	X	2/8/2017	--	--	--	--	<3.3	ND
SB-3	Anti-stain application area	2-4	Discrete		2/8/2017	ND	<98	<60	--	--	--
SB-5	Possible fuel shed impacts	1-3	Discrete		2/6/2017	--	--	--	--	--	--
SB-6	Possible fuel shed impacts	3-5	Discrete		2/6/2017	--	--	--	--	--	--
SB-11	Possible transformer impacts	0.5-1	Discrete		2/7/2017	--	--	--	--	7.5 J	ND
SB-12	End-seal application area	4-5	Discrete		2/7/2017	--	--	--	--	--	--
SB-13	Possible product piping	1-3	Discrete		2/6/2017	--	--	--	--	--	--
SB-14	Former storage tanks of unknown contents	1-4	Discrete		2/8/2017	ND	<94	<57	--	--	--
	Former storage tanks of unknown contents	1-4	Discrete	X	2/8/2017	ND	<95	<58	--	--	--
SB-15	Former gasoline tank area	2-5	Discrete		2/6/2017	--	--	--	--	--	--
LP-B01	Possible maintenance shop impacts	0	Discrete		8/27/2014	--	--	--	--	--	--
		2	Discrete		8/27/2014	--	--	--	--	--	--
		2	Discrete	X	8/27/2014	--	--	--	--	--	--
		4	Discrete		8/27/2014	--	--	--	--	--	--
		6	Discrete		8/27/2014	--	--	--	--	--	--
LP-B02	Possible fuel shed impacts	0	Discrete		8/27/2014	--	--	--	--	--	--
		2	Discrete		8/27/2014	--	--	--	--	--	--
		4	Discrete		8/27/2014	--	--	--	--	--	--
		6	Discrete		8/27/2014	--	--	--	--	--	--

Table 5
Analytical Results – Anti-Stain Agents and PCBs in Soil
Targeted Site Investigation Report
Crescent Mills Industrial Site
18690 California Highway 89, Crescent Mills, California

SAMPLE LOCATION	POTENTIAL REC	SAMPLE DEPTH (ft bgs)	SAMPLE TYPE	DUPLICATE SAMPLE	DATE SAMPLED²	Carbamates U.S. EPA Method 8321A (µg/kg)	SVOCs U.S. EPA Method 8270C (µg/kg)			PCBs U.S. EPA Method 8082 (µg/kg)	
							Carbamates	2,4,6-TCP	PCP	Phenols	PCB-1260
RSL¹						--	210000	4000	--	990	--
LP-B03	Anti-stain application area	0	Discrete		8/27/2014	--	--	<370	--	--	--
		2	Discrete		8/27/2014	--	--	<370	--	--	--
		2	Discrete	X	8/27/2014	--	--	<370	--	--	--
		4	Discrete		8/27/2014	--	--	<380	--	--	--
		6	Discrete		8/27/2014	--	--	<410	--	--	--
LP-SC01	Ash and oil disposed on mill roads	0.5	5-point composite		8/27/2014	--	--	--	--	--	--
LP-SC02	Ash and oil disposed on mill roads	0.5	5-point composite	X	8/27/2014	--	--	--	--	--	--
LP-SC03	Ash and oil disposed on mill roads	0.5	5-point composite		8/26/2014	--	--	--	--	--	--
LP-SC04	Ash and oil disposed on mill roads	0.5	5-point composite		8/26/2014	--	--	--	--	--	--
LP-SPC01	Ash and impacted sawdust in waste piles	1-2	5-point composite		8/26/2014	--	--	<1000	--	--	--
LP-SPC02	Ash and impacted sawdust in waste piles	1-2	5-point composite		8/26/2014	--	--	<900	--	--	--
LP-SPC03	Ash and impacted sawdust in waste piles	1-2	5-point composite		8/26/2014	--	--	<1300	--	--	--
LP-SPC04	Ash and impacted sawdust in waste piles	1-2	5-point composite		8/26/2014	--	--	<2000	--	--	--
DP1	Former gasoline tank area	0	Discrete		12/13/2002	--	--	--	--	--	--
		6	Discrete		12/13/2002	--	--	--	--	--	--
DP2	Former gasoline tank area	0	Discrete		12/13/2002	--	--	--	--	--	--
		10	Discrete		12/13/2002	--	--	--	--	--	--
DP3	Anti-stain application area	0	Discrete		12/13/2002	--	--	--	ND	--	--
		6	Discrete		12/13/2002	--	--	--	ND	--	--
DP4	Possible ash or fuel impacts from boiler	4	Discrete		12/13/2002	--	--	--	ND	--	--
DP5	Possible oil dispensing unit impacts	0	Discrete		12/13/2002	--	--	--	--	--	--
		6	Discrete		12/13/2002	--	--	--	--	--	--
HA1	Anti-stain application area	0	Discrete		12/13/2002	--	--	--	ND	--	--
		3	Discrete		12/13/2002	--	--	--	ND	--	--
HA3	Possible maintenance shop impacts	0	Discrete		12/13/2002	--	--	--	--	--	--
		3	Discrete		12/13/2002	--	--	--	--	--	--
HA5	Possible ash or fuel impacts from boiler	0	Discrete		12/13/2002	--	--	--	--	--	--
HA6	Possible product piping	0	Discrete		12/13/2002	--	--	--	--	--	--
		3	Discrete		12/13/2002	--	--	--	--	--	--

Notes:

1. U.S. EPA Region 9 (2015) regional screening levels (RSL). Screening level applied when HHRA screening level not available.

2. Data collected in previous investigations was not confirmed with lab reports or validated

-- = Not Analyzed or Applicable

< = Analyte not detected. Method Detection Limits shown.

Bold = Analyte reported above laboratory method detection limit but below screening level

Italicized = Analyte not reported above MDL - TEQ calculated using concentration of one half the MDL

Gray and Bold = Analyte reported above screening level

Gray and Italicized = Analyte not reported above MDL; MDL or TEQ above screening level due to matrix interference

2,4,6-TCP = 2,4,6-trichlorophenol

ft bgs = feet below ground surface

J = Analyte was positively identified; approximate concentration reported

MDL = method detection limit

mg/kg - milligrams per kilogram

ND = Analytes not detected in the sample

PCBs = polychlorinated biphenyls

PCP = Pentachlorophenol

REC = recognized environmental condition

µg/kg - micrograms per kilogram

U.S. EPA = United States Environmental Protection Agency

Table 6
Analytical Results – Metals in Groundwater
Targeted Site Investigation Report
Crescent Mills Industrial Site
18690 California Highway 89, Crescent Mills, California

SAMPLE LOCATION	POTENTIAL REC	DUPLICATE SAMPLE	DATE SAMPLED³	Metals (U.S. EPA 6010B/7470A/6020) (mg/L)								
				Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Hexavalent Chromium	Cobalt	Copper
RSL¹				--	--	--	--	--	--	0.000035	--	--
Primary MCL²				0.006	0.01	1	0.004	0.005	0.05	0.010	0.1	1.3
Secondary MCL²				--	--	--	--	--	--	--	--	--
SB-1	Possible septic tank impacts		2/8/2017	--	--	--	--	--	--	--	--	--
	Possible septic tank impacts	X	2/8/2017	--	--	--	--	--	--	--	--	--
SB-3	Anti-stain application area		2/8/2017	--	--	--	--	--	--	--	--	--
SB-4	Possible ash or fuel impacts from boiler		2/7/2017	<0.0098	<0.001	0.050	<0.0003	<0.0005	<0.0012	<0.004	<0.003	<0.0021
	Possible ash or fuel impacts from boiler	X	2/7/2017	<0.0098	<0.001	0.049	<0.0003	<0.0005	<0.0012	<0.05	<0.003	<0.0021
SB-5	Possible fuel shed impacts		2/6/2017	--	--	--	--	--	--	--	--	--
SB-6	Possible fuel shed impacts		2/6/2017	--	--	--	--	--	--	--	--	--
SB-7	Petroleum impacts in groundwater at LP-B01		2/7/2017	--	--	--	--	--	--	--	--	--
SB-8	Petroleum impacts in groundwater at LP-B01		2/7/2017	--	--	--	--	--	--	--	--	--
SB-9	Petroleum impacts in groundwater at LP-B01		2/7/2017	--	--	--	--	--	--	--	--	--
SB-10	Petroleum impacts in groundwater at LP-B01		2/7/2017	--	--	--	--	--	--	--	--	--
SB-12	End-seal application area		2/7/2017	<0.0098	0.0022	0.17	0.00070 J	<0.0005	<0.008	<0.01	0.0060	<0.01
SB-13	Possible product piping		2/6/2017	--	--	--	--	--	--	--	--	--
SB-14	Former storage tanks of unknown contents		2/8/2017	--	--	--	--	--	--	--	--	--
	Former storage tanks of unknown contents	X	2/8/2017	--	--	--	--	--	--	--	--	--
SB-15	Former gasoline tank area		2/6/2017	--	--	--	--	--	--	--	--	--
LP-B01	Possible maintenance shop impacts		8/27/2014	--	<0.020	--	--	<0.005	<0.010	--	--	--
	Possible maintenance shop impacts	X	8/27/2014	--	<0.020	--	--	<0.005	<0.010	--	--	--
LP-B03	Anti-stain application area		8/27/2014	--	<0.020	--	--	<0.005	<0.010	--	--	--
DP4	Possible ash or fuel impacts from boiler		12/13/2002	ND	ND	0.12	ND	ND	0.015	--	ND	ND
HA3	Possible maintenance shop impacts		12/13/2002	ND	ND	1.4	ND	ND	ND	--	ND	0.34

Notes:

1. U.S. EPA Region 9 (2015) tap water regional screening levels (RSL). Screening level applied when HHRA screening level not

2. California Groundwater MCL used when available, followed by EPA groundwater MCLs, then secondary groundwater MCLs

3. Data collected in previous investigations was not confirmed with lab reports or validated

-- = Not Analyzed or Applicable

< = Analyte not detected. Method Detection Limits shown.

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Bold = Analyte reported above laboratory method detection limit but below screening level (if applicable)**Gray and Bold** = Analyte reported above screening level and MCL**Gray, Bold, and Italicized** = Analyte reported above MDL and screening level, but below MCL**Gray and Italicized** = Analyte not reported above MDL; MDL above screening level

ft bgs = feet below ground surface

J = Analyte was positively identified; approximate concentration reported

MCL = maximum contaminant level

MDL = method detection limit

mg/L - milligrams per liter

ND = not detected; MDL not available

REC = recognized environmental condition

U.S. EPA = United States Environmental Protection Agency

Table 6
Analytical Results – Metals in Groundwater
Targeted Site Investigation Report
Crescent Mills Industrial Site
18690 California Highway 89, Crescent Mills, California

SAMPLE LOCATION	POTENTIAL REC	DUPLICATE SAMPLE	DATE SAMPLED³	Metals (U.S. EPA 6010B/7470A/6020) (mg/L)								
				Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
RSL¹				0.015	--	--	--	--	--	--	--	--
Primary MCL²				0.015	0.002	--	0.1	0.05	--	0.002	--	--
Secondary MCL²				--	--	--	--	--	0.1	--	--	5
SB-1	Possible septic tank impacts		2/8/2017	--	--	--	--	--	--	--	--	--
	Possible septic tank impacts	X	2/8/2017	--	--	--	--	--	--	--	--	--
SB-3	Anti-stain application area		2/8/2017	--	--	--	--	--	--	--	--	--
SB-4	Possible ash or fuel impacts from boiler		2/7/2017	<0.0025	<0.0001	<0.0027	<0.0024	<0.013	0.0010 J	<0.009	<0.0019	<0.003
	Possible ash or fuel impacts from boiler	X	2/7/2017	<0.0025	<0.0001	<0.0027	<0.0024	<0.013	0.0011 J	<0.009	<0.0019	<0.003
SB-5	Possible fuel shed impacts		2/6/2017	--	--	--	--	--	--	--	--	--
SB-6	Possible fuel shed impacts		2/6/2017	--	--	--	--	--	--	--	--	--
SB-7	Petroleum impacts in groundwater at LP-B01		2/7/2017	--	--	--	--	--	--	--	--	--
SB-8	Petroleum impacts in groundwater at LP-B01		2/7/2017	--	--	--	--	--	--	--	--	--
SB-9	Petroleum impacts in groundwater at LP-B01		2/7/2017	--	--	--	--	--	--	--	--	--
SB-10	Petroleum impacts in groundwater at LP-B01		2/7/2017	--	--	--	--	--	--	--	--	--
SB-12	End-seal application area		2/7/2017	0.0030 J	<0.0001	<0.0027	0.0034 J	<0.013	0.0010 J	<0.009	0.014	0.051
SB-13	Possible product piping		2/6/2017	--	--	--	--	--	--	--	--	--
SB-14	Former storage tanks of unknown contents		2/8/2017	--	--	--	--	--	--	--	--	--
	Former storage tanks of unknown contents	X	2/8/2017	--	--	--	--	--	--	--	--	--
SB-15	Former gasoline tank area		2/6/2017	--	--	--	--	--	--	--	--	--
LP-B01	Possible maintenance shop impacts		8/27/2014	<0.020	--	--	<0.010	--	--	--	--	<0.010
	Possible maintenance shop impacts	X	8/27/2014	<0.020	--	--	<0.010	--	--	--	--	<0.010
LP-B03	Anti-stain application area		8/27/2014	<0.020	--	--	<0.010	--	--	--	--	<0.010
DP4	Possible ash or fuel impacts from boiler		12/13/2002	ND	ND	ND	ND	ND	ND	ND	ND	0.059
HA3	Possible maintenance shop impacts		12/13/2002	0.082	ND	ND	0.14	ND	ND	ND	0.089	0.44

Notes:

1. U.S. EPA Region 9 (2015) tap water regional screening levels (RSL). Screening level applied when HHRA screening level not

2. California Groundwater MCL used when available, followed by EPA groundwater MCLs, then secondary groundwater MCLs

3. Data collected in previous investigations was not confirmed with lab reports or validated

-- = Not Analyzed or Applicable

< = Analyte not detected. Method Detection Limits shown.

Bold = Analyte reported above laboratory method detection limit but below screening level (if applicable)**Gray and Bold** = Analyte reported above screening level and MCL**Gray, Bold, and Italicized** = Analyte reported above MDL and screening level, but below MCL**Gray and Italicized** = Analyte not reported above MDL; MDL above screening level

ft bgs = feet below ground surface

J = Analyte was positively identified; approximate concentration reported

MCL = maximum contaminant level

MDL = method detection limit

mg/L - milligrams per liter

ND = not detected; MDL not available

REC = recognized environmental condition

U.S. EPA = United States Environmental Protection Agency

Table 7
Analytical Results – Dioxins and Furans in Groundwater
Targeted Site Investigation Report
Crescent Mills Industrial Site
18690 California Highway 89, Crescent Mills, California

SAMPLE LOCATION	POTENTIAL REC	DUPLICATE SAMPLE	DATE SAMPLED ³	Dioxins/Furans TEQ (pg/L) ⁴	Dioxins and Furans (U.S. EPA 8290) (pg/L)										
					2,3,7,8-TCDD	1,2,3,4,6,7,8-HpCDD	1,2,3,4,6,7,8-HpCDF	1,2,3,4,7,8-HpCDF	1,2,3,4,7,8-HxCDD	1,2,3,4,7,8-HxCDF	1,2,3,6,7,8-HxCDD	1,2,3,6,7,8-HxCDF	1,2,3,7,8-HxCDD	1,2,3,7,8-HxCDF	1,2,3,7,8-PeCDD
RSL¹				0.12	0.12	--	--	--	--	--	--	--	--	--	--
Primary MCL²				30	30	--	--	--	--	--	--	--	--	--	--
SB-1	Possible septic tank impacts		2/8/2017	4.6 J	<0.16	<48	<48	<48	0.15 J	<0.17	0.19 J	<0.17	<48	<0.18	<0.2
	Possible septic tank impacts	X	2/8/2017	0.66 J	<0.57	<48	<48	<0.22	<0.32	<0.41	<0.32	<0.39	<0.27	<0.42	<0.7
SB-3	Anti-stain application area		2/8/2017	4.7 J	<0.22	<48	<48	<48	0.22 J	<0.14	0.34 J	<48	<48	<0.14	<0.23
SB-4	Possible ash or fuel impacts from boiler		2/7/2017	45 J	<0.17	<48	<48	<48	<48	<48	<48	<48	<48	<48	<48
	Possible ash or fuel impacts from boiler	X	2/7/2017	14 J	<0.14 J	<48	<48	<48	<48	<48	<48	<48	<48	<0.31 J	<0.22
SB-5	Possible fuel shed impacts		2/6/2017	--	--	--	--	--	--	--	--	--	--	--	--
SB-6	Possible fuel shed impacts		2/6/2017	--	--	--	--	--	--	--	--	--	--	--	--
SB-7	Petroleum impacts in groundwater at LP-B01		2/7/2017	--	--	--	--	--	--	--	--	--	--	--	--
SB-8	Petroleum impacts in groundwater at LP-B01		2/7/2017	--	--	--	--	--	--	--	--	--	--	--	--
SB-9	Petroleum impacts in groundwater at LP-B01		2/7/2017	--	--	--	--	--	--	--	--	--	--	--	--
SB-10	Petroleum impacts in groundwater at LP-B01		2/7/2017	--	--	--	--	--	--	--	--	--	--	--	--
SB-12	End-seal application area		2/7/2017	--	--	--	--	--	--	--	--	--	--	--	--
SB-13	Possible product piping		2/6/2017	--	--	--	--	--	--	--	--	--	--	--	--
SB-14	Former storage tanks of unknown contents		2/8/2017	5.4 J	<0.20	<48	<48	<48	<48	0.65 J	0.67 J	<48	<48	0.71 J	<0.27
	Former storage tanks of unknown contents	X	2/8/2017	--	--	--	--	--	--	--	--	--	--	--	--
SB-15	Former gasoline tank area		2/6/2017	--	--	--	--	--	--	--	--	--	--	--	--

Notes:

1. U.S. EPA Region 9 (2015) tap water regional screening levels (RSL). Screening level applied when HHRA screening
2. California Groundwater MCL used when available, followed by EPA groundwater MCLs, then secondary groundwater
3. Data collected in previous investigations was not confirmed with lab reports or validated
4. Dioxin and Furan toxicity equivalence factors were used to calculate dioxin and furan toxicity as 2,3,7,8-TCDD TEQ.

-- = Not Analyzed or Applicable

< = Analyte not detected. Method Detection Limits shown.

Bold = Analyte reported above laboratory method detection limit

Gray and Bold = Analyte reported above screening level and MCL

Gray and Normal Font = compound reported above screening level but below MCL

Gray and Italicized = MDL or TEQ above screening level due to matrix interference

2,3,7,8-TCDD TEQ = 2,3,7,8-tetrachlorodibenzo-p-dioxin Toxic Equivalency

ft bgs = feet below ground surface

HpCDD = heptachlorodibenzo-p-dioxin

HpCDF = heptachlorodibenzofuran

HxCDD = hexachlorodibenzo-p-dioxin

HxCDF = hexachlorodibenzofuran

J = Analyte was positively identified; approximate concentration reported

MCL = maximum contaminant level

OCDD = 1,2,3,4,6,7,8,9-octachlorodibenzodioxin

OCDF = 1,2,3,4,6,7,8,9-octachlorodibenzofuran

PeCDD = pentachlorodibenzo-p-dioxin

PeCDF = pentachlorodibenzofuran

pg/L = picograms per liter

REC = recognized environmental condition

TCDD = tetrachlorodibenzo-p-dioxin

TCDF = tetrachlorodibenzofuran

TEQ = toxic equivalency

U.S. EPA = United States Environmental Protection Agency

Table 7
Analytical Results – Dioxins and Furans in Groundwater
Targeted Site Investigation Report
Crescent Mills Industrial Site
18690 California Highway 89, Crescent Mills, California

SAMPLE LOCATION	POTENTIAL REC	DUPLICATE SAMPLE	DATE SAMPLED ³	Dioxins and Furans (U.S. EPA 8290) (pg/L)															
				1,2,3,7,8-PeCDF	2,3,4,6,7,8-HxCDF	2,3,4,7,8-PeCDF	2,3,7,8-TCDF	OCDD	OCDF	Total HpCDD	Total HpCDF	Total HxCDD	Total HxCDF	Total PeCDF	Total TCDD	Total TCDF			
<i>RSL¹</i>				--	--	--	--	--	--	--	--	--	--	--	--	--			
<i>Primary MCL²</i>				--	--	--	--	--	--	--	--	--	--	--	--	--			
SB-1	Possible septic tank impacts		2/8/2017	<0.15	<0.18	<0.15	<0.15	<95	<95	<48	<48	<48	<48	<0.18	<0.2	<0.15	<9.5		
	Possible septic tank impacts	X	2/8/2017	<0.34	<0.41	<0.35	<0.67	<96	<0.83	<48	<48	<48	<48	<0.32	<0.42	<0.7	<0.35	<0.57	<0.67
SB-3	Anti-stain application area		2/8/2017	<0.15	<48	<0.15	<0.15	<95	<95	<48	<48	<48	<48	<48	<0.23	<0.15	<0.22	<0.15	
SB-4	Possible ash or fuel impacts from boiler		2/7/2017	<0.15	<0.23	<48	0.25 J	<95	<95	<48	<48	<48	<48	<48	<48	<48	<0.17	<9.5	
	Possible ash or fuel impacts from boiler	X	2/7/2017	<48	<48	<48	1.9 J	<96	<96	<48	<48	<48	<48	<48	<0.22 J	<48	0.14 J	<9.6	
SB-5	Possible fuel shed impacts		2/6/2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SB-6	Possible fuel shed impacts		2/6/2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SB-7	Petroleum impacts in groundwater at LP-B01		2/7/2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SB-8	Petroleum impacts in groundwater at LP-B01		2/7/2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SB-9	Petroleum impacts in groundwater at LP-B01		2/7/2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SB-10	Petroleum impacts in groundwater at LP-B01		2/7/2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SB-12	End-seal application area		2/7/2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SB-13	Possible product piping		2/6/2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SB-14	Former storage tanks of unknown contents		2/8/2017	0.43 J	<48	<0.19	<9.5	<95	<95	<48	<48	<48	<48	<0.27	0.43 J	<0.2	<9.5		
	Former storage tanks of unknown contents	X	2/8/2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SB-15	Former gasoline tank area		2/6/2017	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	

Notes:

1. U.S. EPA Region 9 (2015) tap water regional screening levels (RSL). Screening level applied when HHRA screening
2. California Groundwater MCL used when available, followed by EPA groundwater MCLs, then secondary groundwater
3. Data collected in previous investigations was not confirmed with lab reports or validated
4. Dioxin and Furan toxicity equivalence factors were used to calculate dioxin and furan toxicity as 2,3,7,8-TCDD TEQ.

-- = Not Analyzed or Applicable

< = Analyte not detected. Method Detection Limits shown.

Bold = Analyte reported above laboratory method detection limit

Gray and Bold = Analyte reported above screening level and MCL

Gray and Normal Font = compound reported above screening level but below MCL

Gray and Italicized = MDL or TEQ above screening level due to matrix interference

2,3,7,8-TCDD TEQ = 2,3,7,8-tetrachlorodibenzo-p-dioxin Toxic Equivalency

ft bgs = feet below ground surface

HpCDD = heptachlorodibenzo-p-dioxin

HpCDF = heptachlorodibenzofuran

HxCDD = hexachlorodibenzo-p-dioxin

HxCDF = hexachlorodibenzofuran

J = Analyte was positively identified; approximate concentration reported

MCL = maximum contaminant level

OCDD = 1,2,3,4,6,7,8,9-octachlorodibenzodioxin

OCDF = 1,2,3,4,6,7,8,9-octachlorodibenzofuran

PeCDD = pentachlorodibenzo-p-dioxin

PeCDF = pentachlorodibenzofuran

pg/L = picograms per liter

REC = recognized environmental condition

TCDD = tetrachlorodibenzo-p-dioxin

TCDF = tetrachlorodibenzofuran

TEQ = toxic equivalency

U.S. EPA = United States Environmental Protection Agency

Table 8
Analytical Results – PAHs in Groundwater
Targeted Site Investigation Report
Crescent Mills Industrial Site
18690 California Highway 89, Crescent Mills, California

SAMPLE LOCATION	POTENTIAL REC	DUPLICATE SAMPLE	DATE SAMPLED³	Benzo[a]pyrene TEQ ($\mu\text{g/L}$)⁴	PAHs U.S. EPA Method 8270SIM ($\mu\text{g/L}$)						
					Benzo[a]pyrene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Dibenz(a,h)anthracene	Fluorene	Indeno(1,2,3-cd)pyrene	Other PAHs
RSL¹				0.0034	0.0034	0.034	0.34	0.0034	290	0.034	-
Primary MCL²				0.2	0.2	--	--	--	--	--	-
SB-1	Possible septic tank impacts		2/8/2017	--	--	--	--	--	--	--	-
	Possible septic tank impacts	X	2/8/2017	--	--	--	--	--	--	--	--
SB-3	Anti-stain application area		2/8/2017	--	--	--	--	--	--	--	--
SB-4	Possible ash or fuel impacts from boiler		2/7/2017	0.028	<0.022	<0.029	<0.032	<0.025	<0.03	<0.026	ND
	Possible ash or fuel impacts from boiler	X	2/7/2017	0.028	<0.022 J	<0.029 J	<0.032 J	<0.025 J	<0.03 J	<0.026 J	ND
SB-5	Possible fuel shed impacts		2/6/2017	0.028	<0.022	<0.029	<0.032	<0.025	<0.03	<0.026	ND
SB-6	Possible fuel shed impacts		2/6/2017	0.028	<0.022	<0.029	<0.032	<0.025	<0.03	<0.026	ND
SB-7	Petroleum impacts in groundwater at LP-B01		2/7/2017	0.028	<0.022	<0.029	<0.032	<0.025	<0.03	<0.026	ND
SB-8	Petroleum impacts in groundwater at LP-B01		2/7/2017	0.14	0.061 J	0.064 J	0.063 J	0.061 J	0.030 J	0.069 J	ND
SB-9	Petroleum impacts in groundwater at LP-B01		2/7/2017	0.028	<0.022	<0.029	<0.032	<0.025	<0.03	<0.026	ND
SB-10	Petroleum impacts in groundwater at LP-B01		2/7/2017	0.028	<0.022 J	<0.029 J	<0.033 J	<0.025 J	<0.03 J	<0.026 J	ND
SB-12	End-seal application area		2/7/2017	--	--	--	--	--	--	--	--
SB-13	Possible product piping		2/6/2017	0.028	<0.022	<0.029	<0.032	<0.025	<0.03	<0.026	ND
SB-14	Former storage tanks of unknown contents		2/8/2017	0.028	<0.022	<0.029	<0.032	<0.025	<0.03	<0.026	ND
	Former storage tanks of unknown contents	X	2/8/2017	--	--	--	--	--	--	--	--
SB-15	Former gasoline tank area		2/6/2017	0.028	<0.022 J	<0.029 J	<0.032 J	<0.025 J	<0.029 J	<0.026 J	ND

Notes:

1. U.S. EPA Region 9 (2015) tap water regional screening levels (RSL). Screening level applied when HHRA screening level not available.
2. California Groundwater MCL used when available, followed by EPA groundwater MCLs, then secondary groundwater MCLs such as taste and odor thresholds.
3. Data collected in previous investigations was not confirmed with lab reports or validated
4. Benzo(a)pyrene TEQ calculated using 1/2 the method detection limit where data was not detected by laboratory.

-- = Not Analyzed or Applicable

< = Analyte not detected. Method Detection Limits shown.

Bold = Analyte reported above laboratory method detection limit but below screening level (if applicable)

Gray and Bold = Analyte reported above screening level

Gray and Normal Font = Analyte reported above screening level but below MCL

Gray and *Italicized* = Analytes not reported above MDL; TEQ calculated using 1/2 of MDL above screening level

J = Analyte was positively identified; approximate concentration reported

MCL = maximum contaminant level

$\mu\text{g/L}$ -micrograms per liter

ND = Analytes not detected in the sample

PAHs = polycyclic aromatic hydrocarbons

REC = recognized environmental condition

Table 9
Analytical Results – Anti-Stain Agents, PCBs, TPH, and VOCs in Groundwater
Targeted Site Investigation Report
Crescent Mills Industrial Site
18690 California Highway 89, Crescent Mills, California

SAMPLE LOCATION	POTENTIAL REC	DUPLICATE SAMPLE	DATE SAMPLED ⁵	U.S. EPA Method 8321A (µg/L)	U.S. EPA Method 8270C/SIM (µg/L)	U.S. EPA Method 8270C (µg/L)	U.S. EPA Method 8082 (µg/L)	U.S. EPA Method 8015M (mg/L)				U.S. EPA Method 8260B (mg/L)		
				Carbamates	PCP	2,4,6-TCP	Phenols	PCBs	TPH-D with SGC	TPH-D without SGC	TPH-MO with SGC	TPH-MO without SGC	TPH-G	VOCs
HHRA SL¹				--	--	0.63	--	--	--	--	--	--	--	--
RSL²				--	0.041	--	--	--	--	--	--	--	--	--
ESL³				--	--	--	--	--	100	100	--	--	100	--
Primary MCL⁴				--	1	--	--	--	--	--	--	--	--	--
SB-1	Possible septic tank impacts		2/8/2017	ND	<0.05 J	<1.9	--	ND	--	--	--	--	--	ND
	Possible septic tank impacts	X	2/8/2017	ND	<0.05 J	<1.9	--	ND	--	--	--	--	--	ND
SB-3	Anti-stain application area		2/8/2017	ND	<0.05 J	<1.9	--	--	--	--	--	--	--	--
SB-4	Possible ash or fuel impacts from boiler		2/7/2017	--	--	--	--	--	19 J	<48	<160	<160	--	--
	Possible ash or fuel impacts from boiler	X	2/7/2017	--	--	--	--	--	15 J	<48	<160 J	<160 J	--	--
SB-5	Possible fuel shed impacts		2/6/2017	--	--	--	--	--	28 J	51	<160	<160	--	ND
SB-6	Possible fuel shed impacts		2/6/2017	--	--	--	--	--	<15	<48	<160	<160	--	ND
SB-7	Petroleum impacts in groundwater at LP-B01		2/7/2017	--	--	--	--	--	<15	<48	<160	<160	--	ND
SB-8	Petroleum impacts in groundwater at LP-B01		2/7/2017	--	--	--	--	--	<15	<48	<160	<160	--	ND
SB-9	Petroleum impacts in groundwater at LP-B01		2/7/2017	--	--	--	--	--	<15	<47	<160	<160	--	ND
SB-10	Petroleum impacts in groundwater at LP-B01		2/7/2017	--	--	--	--	--	<15 J	<47	<160 J	<160 J	--	ND
SB-12	End-seal application area		2/7/2017	--	--	--	--	--	--	--	--	--	--	ND
SB-13	Possible product piping		2/6/2017	--	--	--	--	--	23 J	<48	<160	<160	--	--
SB-14	Former storage tanks of unknown contents		2/8/2017	ND	<0.049 J	<1.9	--	--	<48	<48	<160	<160	<15	ND
	Former storage tanks of unknown contents	X	2/8/2017	--	--	--	--	--	--	--	--	--	<15	--
SB-15	Former gasoline tank area		2/6/2017	--	--	--	--	--	<47	<47	<160 J	<160 J	<15 J	ND
LP-B01	Possible maintenance shop impacts		8/27/2014	--	--	--	--	--	--	400 J	--	1200	<50	ND
	Possible maintenance shop impacts	X	8/27/2014	--	--	--	--	--	--	150 J	--	<1000	<50	ND
LP-B03	Anti-stain application area		8/27/2014	--	<10	--	--	--	--	<250	--	<1000	<50	ND
LP-B03	Anti-stain application area	X	8/27/2014	--	<6.6	--	--	--	--	--	--	--	--	--
DP1	Former gasoline tank area		12/13/2002	--	--	--	--	--	--	<50	--	<50	<50	ND
DP2	Former gasoline tank area		12/13/2002	--	--	--	--	--	--	<50	--	<50	<50	ND
DP3	Anti-stain application area		12/13/2002	--	--	--	ND	--	--	--	--	--	--	--
DP4	Possible ash or fuel impacts from boiler		12/13/2002	--	--	--	ND	--	--	<50	--	<50	<50	ND
DP5	Possible oil dispensing unit impacts		12/13/2002	--	--	--	--	--	--	<50	--	<50	<50	ND
HA3	Possible maintenance shop impacts		12/13/2002	--	--	--	--	--	--	<50	--	<50	<50	ND
HA6	Possible product piping		12/13/2002	--	--	--	--	--	--	<50	--	<50	<50	ND

Notes:

- Human Health Risk Assessment Screening Levels (HHRA SL) Note 3 - DTSC, revised 2015 for tap water. HHRA
- U.S. EPA Region 9 (2015) tap water regional screening levels (RSL). Screening level applied when HHRA screening
- Environmental Screening Level (ESL) from San Francisco Bay Regional Water Quality Control Board revised December 2013.
- California Groundwater MCL used when available, followed by EPA groundwater MCLs, then secondary groundwater
- Data collected in previous investigations was not confirmed with lab reports or validated

-- = Not Analyzed or Applicable

< = Analyte not detected. Method Detection Limits shown.

Bold = Analyte reported above laboratory method detection limit but below screening level*Gray and Italicized* = Analyte not reported above MDL; MDL above screening level

2,4,6-TCP = 2,4,6-trichlorophenol

J = Analyte was positively identified; approximate concentration reported

MCL = maximum contaminant level

ND = analytes not detected in the sample

PCBs = polychlorinated biphenyls

PCP = Pentachlorophenol

REC = recognized environmental condition

SGC = silica gel cleanup

TPH-G, D, MO = total petroleum hydrocarbons in the

U.S. EPA = United States Environmental Protection Agency

VOCs = volatile organic compounds

µg/L - micrograms per liter

Table 10
Analytical Results – Arsenic Solubility
Targeted Site Investigation Report
Crescent Mills Industrial Site
18690 California Highway 89, Crescent Mills, California

SAMPLE LOCATION	POTENTIAL REC	SAMPLE DEPTH (ft bgs)	SAMPLE TYPE	DUPLICATE SAMPLE	DATE SAMPLED	Arsenic in Soil (U.S. EPA 6020) (mg/kg)	Arsenic in DI Water (U.S. EPA 6010B) (mg/L)
ARSENIC BACKGROUND¹						9.8 (0-3 ft bgs) 4.7 (>3 ft bgs)	
DU-1	Anti-stain application area	0-0.5	ISM		2/8/2017	--	--
DU-2	Anti-stain dripping area	0-0.5	ISM		2/8/2017	--	--
DU-3	Anti-stain dripping area	0-0.5	ISM		2/8/2017	--	--
DU-4	Possible ash or fuel impacts from boiler	0-0.5	ISM		2/7/2017	13 J-	--
DU-5	Possible ash or fuel impacts from boiler	0-0.5	ISM		2/7/2017	19	<0.12
DU-6	Possible maintenance shop chemicals	0-0.5	ISM		2/7/2017	--	--
DU-7	Possible maintenance shop chemicals	0-0.5	ISM		2/7/2017	--	--
DU-8	Ash and oil disposed on mill roads	0-0.5	ISM		2/9/2017	6.9	--
DU-9	Ash and oil disposed on mill roads	0-0.5	ISM		2/9/2017	28	<0.12
DU-11	Ash and oil disposed on mill roads	0-0.5	ISM		2/9/2017	35	<0.12
DU-12	Ash and oil disposed on mill roads	0-0.5	ISM		2/9/2017	16	--
DU-13	Ash and oil disposed on mill roads	0-0.5	ISM		2/9/2017	22	<0.12
DU-14	Ash and oil disposed on mill roads	0-0.5	ISM		2/9/2017	5.1	--
DU-15	Ash and impacted sawdust in waste piles	1-5	ISM		2/9/2017	7.2	--
DU-16	Ash and impacted sawdust in waste piles	1-3	ISM		2/9/2017	9.9	--
DU-17	Ash and impacted sawdust in waste piles	1-3	ISM		2/9/2017	11	<0.12
DU-18	Ash and impacted sawdust in waste piles	0.5-1	ISM		2/9/2017	9.8	--
DU-19	Ash and impacted sawdust in waste piles	1-5	ISM		2/9/2017	9.2	--
DU-20	Ash and impacted sawdust in waste piles	1-3	ISM		2/9/2017	9.1	--
DU-21	Ash and impacted sawdust in waste piles	1-3	ISM		2/9/2017	25	<0.12
SB-2	Possible release from transformer	0.5-1	Discrete		2/8/2017	--	--
SB-3	Possible release from transformer	0.5-1	Discrete	X	2/8/2017	--	--
SB-5	Anti-stain application area	2-4	Discrete		2/8/2017	--	--
SB-6	Possible fuel shed impacts	1-3	Discrete		2/6/2017	--	--
SB-11	Possible fuel shed impacts	3-5	Discrete		2/6/2017	--	--
SB-11	Possible release from transformer	0.5-1	Discrete		2/7/2017	--	--
SB-12	End-seal application area	4-5	Discrete		2/7/2017	1.3	--
SB-13	Possible product piping	1-3	Discrete		2/6/2017	--	--
SB-14	Former storage tanks of unknown contents	1-4	Discrete		2/8/2017	--	--
SB-14	Former storage tanks of unknown contents	1-4	Discrete	X	2/8/2017	--	--
SB-15	Former gasoline tank area	2-5	Discrete		2/6/2017	--	--

Notes:

1. Site specific background concentration for arsenic established using ISM sampling.

-- = Not Analyzed or Applicable

< = Analyte not detected. Method Detection Limits shown.

Bold = Analyte reported above laboratory method detection limit but below screening level (if applicable)

Gray and Bold = analyte reported above screening level

DI = DI water leachate

ft bgs = feet below ground surface

ISM = Incremental Sampling Methodology composite sample

J- = Analyte positively identified; approximate concentration with negative bias reported

mg/kg = milligrams per kilograms

mg/L = milligrams per Liter

REC = recognized environmental condition

U.S. EPA = United States Environmental Protection Agency