

Naval Facilities Engineering Systems Command Southwest BRAC PMO West San Diego, CA

Air Monitoring Summary Report June 1 to July 12, 2022

Phase IV Non-Time Critical Removal Action, Solid Waste Disposal Area Westside, Installation Restoration Site 12

Former Naval Station Treasure Island

San Francisco, CA

July 2022

DCN: GLBN-0005-F5271-0027



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Prepared for:

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Attachment 1 PDR Summary Table and Field Forms

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Acronyms and Abbreviations

AMP Air Monitoring Plan

BAAQMD Bay Area Air Quality Management District

BAP(Eq) benzo(a)pyrene equivalency

cfm cubic feet per minute

CFR Code of Federal Regulations

DAC derived air concentration

DCP Dust Control Plan

DTSC Department of Toxic Substances Control

Gilbane Gilbane Federal

HERO Human and Ecological Risk Office

IR Installation Restoration

mg/m³ milligram per cubic meter

Navy U.S. Department of the Navy

PAH polycyclic aromatic hydrocarbon

PCB polychlorinated biphenyl

PDR personal data-logging real-time aerosol monitor

PM10 particulate matter less than 10 microns in diameter

PUF polyurethane foam

Ra-226 radium-226

TCDD 2,3,7,8-tetrachlorodibenzo-p-dioxin

TLV threshold limit value

TSP total suspended particulates

μg/m³ microgram per cubic meter

USEPA United States Environmental Protection Agency

Work Plan Final Work Plan, Phase IV Non-Time Critical Removal Action,

Solid Waste Disposal Area Westside, Installation Restoration Site 12,

Former Naval Station Treasure Island, San Francisco, California

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1.0 Introduction

This Air Monitoring Report was prepared by Gilbane Federal (Gilbane) as requested by the United States Department of the Navy (Navy) under the Radiological Multiple Award Contract (RADMAC II) N62473-12-D-D005, Contract Task Order N6247317F5271. Gilbane is performing dust and air monitoring at Former Naval Station Treasure Island in accordance with the Final Dust Control Plan (DCP) and Air Monitoring Plan (AMP), included as appendices to *Phase IV Non-Time Critical Removal Action Work Plan, Solid Waste Disposal Area Westside, Installation Restoration Site 12, Former Naval Station Treasure Island, San Francisco, California* (Work Plan; Gilbane, 2021).

The DCP describes best management practices and procedures to be implemented to minimize dust generation during work activities. Dust monitoring is conducted to ensure that these procedures are effective. Dust monitoring is also conducted to verify that the working environment meets occupational health and safety standards and that workers are safe. The AMP outlines the requirements for prevention of exposure for construction workers to dust and potential airborne chemicals of concern from the work area. The AMP also establishes the conservative project action levels for dust at the work area boundary to protect residents.

This summary report describes the following:

- Dust monitoring sampling locations Section 2.0,
- Dust sample collection and analytical methods Section 3.0,
- Dust monitoring results Section 4.0, and,
- Air monitoring results **Section 5.0**.

This summary report presents the dust monitoring results at Installation Restoration (IR) Site 12 from June 1st through July 12th, 2022 and compares the results with the established action levels included in the Work Plan (Gilbane, 2021). During this reporting period PDR dust monitoring was the only testing activity conducted throughout the month of June and July because earth-work operations solely consisted of site grading and acceptance of clean import soil. Earth-moving tasks involving potentially contaminated soil wrapped up in May 2022 and the field crew shutdown the high-volume air monitoring samplers as well as the radiological air samplers.

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Phase IV NTCRA, SWDA Westside, Installation Restoration Site 12
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1.0 Introduction

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2.0 Monitoring Site Locations

2.1 Dust Monitoring

During earthmoving activities, several PDR stations are set up to monitor real-time airborne dust concentrations. The purpose of the PDR stations is to act as a first line of defense in protecting workers' health, and ultimately the public's health, during field activities. PDR stations are situated immediately adjacent to the current work area locations most likely to generate the greatest volume of airborne dust and are adjusted as necessary due to changes in wind direction and/or work location. Real-time dust monitoring ensures dust levels remain below action levels during fieldwork operations.

The general locations for dust monitors in IR Site 12 are shown on **Figure 1**. This reporting period's prevailing wind direction is displayed on the wind rose in **Figure 2**. Specific locations of each PDR are described in the individual PDR daily data files. Field forms from each location are presented in **Attachment 1** of this report. During earth moving activities at IR Site 12 (i.e., transportation of excavated soil to the radiological screening yard, excavation, and backfilling), one PDR serves as the upwind (background) location and two PDRs are placed in downwind perimeter locations to represent dust generation from onsite activities. The dust monitors are moved to encompass field work whenever the contractor changes operations and are then given a new naming convention. During this reporting period two sets of monitoring locations were used to incorporate field operations (DMW31, DMW32, DMW33) and (DMW34, DMW35, DMW36). Specifically, the upwind PDR stations DMW31/DMW34 and the downwind monitors DMW32, DMW33, DMW35 and DMW36.

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2.0 Monitoring Site Locations

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3.0 Sampling and Analytical Methods

Dust samples are collected during clean soil earthmoving activities. However, during precipitation events, the dust monitoring units may not be operable. An attempt will be made to collect samples and readings regardless of the weather. If dust monitors are found to be malfunctioning or nonfunctional, earthmoving activities will stop until monitors can be repaired or replaced. The Site Health and Safety Officer is responsible for monitoring the dust monitoring sampling equipment.

Dust Samples

The PDR is a high sensitivity photometric monitor with a light-scattering sensing configuration that has been optimized for the measurement of the respirable fraction of airborne dust, smoke, fumes, and mists. PDRs are used to evaluate real-time monitoring of airborne dust concentrations, to determine if there is a need for additional dust control or personal protection.

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3.0 Sampling and Analytical Methods

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4.0 Dust Monitoring Results

If dust (PDR) monitoring equipment alarms, the source of exceedance will be determined by evaluating both upwind and downwind dust (PDR) sample locations. If the difference between upwind and downwind concentrations is greater than the action level for a sustained period of 15 minutes, then earthmoving activities will be halted until dust control measures are implemented. These may include, but are not limited to, adding water to the work area during earth moving tasks, evaluation of alternate work procedures or equipment, and/or cessation of the activity that is creating the dust until the PDR readings are below the screening criteria.

Dust monitoring action levels that are implemented on a real-time basis are listed in **Table 1**. PDR data are collected and reviewed each day by the Site Health and Safety Manager. PDR data are included in **Attachment 1**.

- On June 9th the upwind PDR DMW31 recorded one instantaneous reading above project screening criteria. This monitor is upwind of project activities and should exhibit background atmospheric conditions. This reading should be considered an anomaly.
- On June 15th the downwind PDR DMW33 recorded a reading above project screening criteria. Dustrak Instrument readings were somewhat high during setup which was before any earth-moving tasks had begun presumably from atmospheric conditions. The delta between the upwind and downwind monitor remained below action levels and work continued onsite. The field crew continues to maintain diligent dust control measures.
- On June 22nd the downwind PDR DMW32 experienced readings above project screening criteria. The field personnel noted on the dust log presented in **Attachment 1** that the dustrak unit 0534 was having technical difficulties where troubleshooting techniques were implemented but failed to fix the machine. A new machine was picked up the next day. The other downwind monitor recorded values well below action levels and the field technician noted no visible dust was present onsite within the dust log field form.

Table 1: Dust Monitoring Project Action Levels

Method	Monitoring Location	Monitoring Frequency ^a	Action Level b	Action
PDR	Near Workers' Breathing Zones (typically on equipment)	Periodically ^c	<2.0 mg/m ³ >2.0 mg/m ³	<2.0 mg/m ³ continue work in Level D. Increase dust control (i.e., apply water or other suppression method) and/or upgrade to Level C if concentrations >2.0 mg/m ³ .
	Job Site Perimeter	Continuously	<1.0 mg/m ³ >1.0 mg/m ³	Continue work. STOP work, apply water or other dust suppression methods until levels decrease below 1.0 mg/m ³

Notes:

Only the Health and Safety Manager is authorized to downgrade levels of personal protective equipment.

- Frequency of air monitoring may be adjusted by the project Certified Industrial Hygienist after sufficient characterization of site contaminants has been completed, tasks have been modified, or site controls have proven effective.
- b Five readings exceeding the action level in any 15-minute period or a sustained reading exceeding the action level for five minutes will trigger a response. Action levels represent airborne particulate concentrations in excess of background particulate concentrations.
- c PDR will be monitored a minimum of three times a day.
- < less than
- > greater than

mg/m³ milligrams per cubic meter

PDR personal data-logging real-time aerosol monitor

5.0 Air Monitoring Results

The Human and Ecological Risk Office (HERO) at the request of the California Department of Toxic Substances Control (DTSC) developed dust action levels for community air monitoring for IR Site 12. Sub-chronic and chronic dust action levels as PM10 were calculated for lead, dioxin, benzo(a)pyrene (BAP) equivalency (Eq) by PAHs analysis, and PCBs. As presented in the document *Dust Action Levels for Installation Restoration Site 12, Former Naval Station Treasure Island, San Francisco, California* (HERO, 2018), the action levels were calculated using the maximum chemicals of concern soil concentrations at IR Site 12.

There are no air monitoring and radiological results to present for the field work conducted for this reporting period. No earth-moving tasks involving potentially contaminated soil were performed.

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6.0 References

- Gilbane, 2016. Radiological Procedure PR-RP-150 Radiological Survey and Sampling. January.
- Gilbane, 2021. Phase IV Non-Time Critical Removal Action Work Plan, Solid Waste Disposal Area Westside, Installation Restoration Site 12, Former Naval Station Treasure Island, San Francisco, California. March.
- Gilbane, 2021. Phase IV Non-Time Critical Removal Action Work Plan, Air Monitoring Plan, Solid Waste Disposal Area Westside, Installation Restoration Site 12, Former Naval Station Treasure Island, San Francisco, California. March.
- Gilbane, 2021. Phase IV Non-Time Critical Removal Action Work Plan, Dust Control Plan, Solid Waste Disposal Area Westside, Installation Restoration Site 12, Former Naval Station Treasure Island, San Francisco, California. March.
- HERO, 2018. Dust Action Levels for Installation Restoration Site 12, Former Naval Station Treasure Island, San Francisco, California. September.

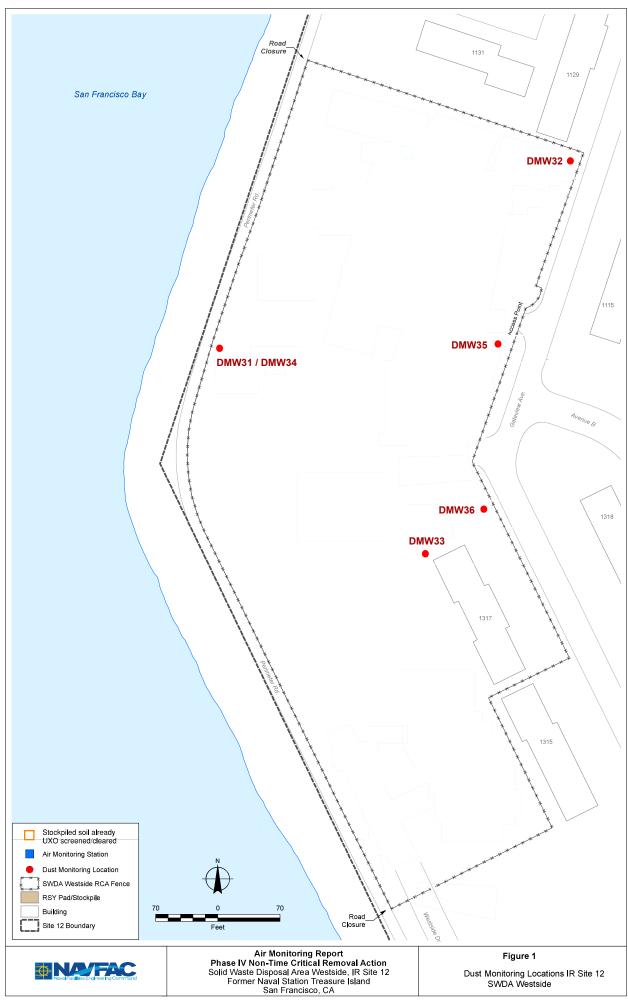
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Phase IV NTCRA, SWDA Westside, Installation Restoration Site 1:	2
Former Naval Station Treasure Island, San Francisco, California	

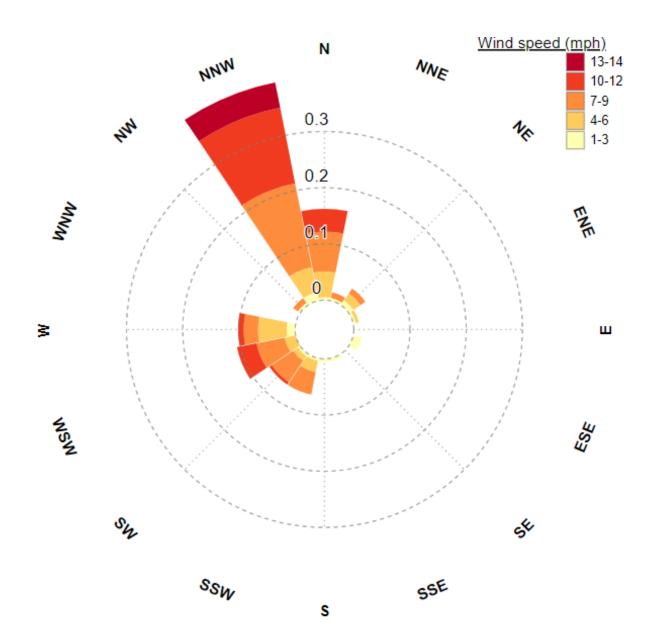
6.0 References

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FIGURES

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ATTACHMENT 1 PDR SUMMARY TABLE AND FIELD FORMS (Provided on CD)

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Table 1-1: Personal Data-Logging Real-Time (PDR) Aerosol Montoring Results

DMW32 S DMW33 S DMW31 S DMW32 S DMW33 S DMW31 S DMW32 S DMW33 S DMW32 S DMW33 S DMW31 S DMW32 S DMW33 S DMW31 S DMW32 S DMW33 S DMW31 S DMW32 S DMW33 S DMW31 S DMW32 S DMW33 S DMW34 S DMW35 S	Site 12	6/1/2022	0.022 0.039 0.025	0.016 0.028	NA	
DMW33 S DMW31 S DMW32 S DMW33 S DMW31 S DMW32 S DMW33 S DMW32 S DMW33 S DMW31 S DMW32 S DMW33 S DMW31 S DMW32 S DMW33 S DMW31 S DMW32 S DMW33 S DMW33 S DMW33 S DMW33 S DMW33 S DMW31 S DMW33 S DMW31 S DMW32 S DMW33 S DMW31 S DMW32 S DMW33 S	Site 12		0.025	0.028	1 17 1	Yes
DMW31 S DMW32 S DMW33 S DMW31 S DMW32 S DMW33 S DMW31 S DMW32 S DMW31 S DMW32 S DMW33 S	Site 12	6/2/2022		J.J_U	0.012	Yes
DMW32 S DMW33 S DMW31 S DMW32 S DMW33 S DMW31 S DMW32 S DMW33 S DMW32 S DMW33 S DMW31 S DMW32 S DMW33 S DMW34 S DMW35 S DMW36 S DMW37 S DMW38 S DMW39 S DMW31 S DMW32 S DMW33 S DMW31 S DMW32 S DMW33 S DMW34 S DMW35 S	Site 12 Site 12 Site 12 Site 12 Site 12 Site 12	6/2/2022		0.020	0.004	Yes
DMW33 S DMW31 S DMW32 S DMW33 S	Site 12 Site 12 Site 12 Site 12 Site 12	6/2/2022	0.015	0.013	NA	Yes
DMW31 S DMW32 S DMW33 S DMW31 S DMW32 S DMW33 S DMW32 S DMW33 S DMW31 S DMW32 S DMW33 S DMW34 S DMW35 S DMW36 S DMW37 S DMW38 S DMW39 S DMW31 S DMW33 S DMW31 S DMW32 S DMW33 S DMW33 S	Site 12 Site 12 Site 12 Site 12		0.032	0.019	0.006	Yes
DMW32 S DMW33 S DMW31 S DMW32 S DMW33 S DMW31 S DMW33 S DMW31 S DMW32 S DMW33 S DMW31 S DMW32 S DMW33 S DMW33 S DMW31 S DMW32 S DMW33 S DMW31 S DMW32 S DMW31 S DMW32 S DMW33 S	Site 12 Site 12 Site 12		0.028	0.017	0.004	Yes
DMW33 S DMW31 S DMW32 S DMW33 S DMW31 S DMW32 S DMW33 S DMW31 S DMW32 S DMW33 S DMW34 S DMW35 S DMW36 S DMW37 S DMW38 S DMW39 S DMW31 S DMW31 S DMW32 S DMW33 S DMW32 S DMW33 S	Site 12 Site 12		0.039	0.006	NA	Yes
DMW31 S DMW32 S DMW33 S DMW31 S DMW32 S DMW33 S DMW31 S DMW33 S DMW31 S DMW32 S DMW33 S DMW31 S DMW32 S DMW33 S DMW33 S DMW31 S DMW31 S DMW32 S DMW33 S DMW33 S	Site 12	6/3/2022	0.011	0.006	0.000	Yes
DMW32 S DMW33 S DMW31 S DMW31 S DMW31 S DMW32 S DMW33 S DMW31 S DMW33 S DMW33 S			0.030	0.009	0.003	Yes
DMW33 S DMW31 S DMW32 S DMW33 S DMW31 S DMW32 S DMW33 S DMW31 S DMW33 S DMW31 S DMW32 S DMW33 S DMW33 S DMW31 S DMW31 S DMW32 S DMW33 S DMW33 S	Site 12		0.014	0.007	NA	Yes
DMW31 S DMW32 S DMW33 S DMW31 S DMW32 S DMW33 S DMW31 S DMW32 S DMW31 S DMW32 S DMW33 S DMW33 S DMW31 S DMW32 S DMW33 S DMW32 S DMW33 S		6/8/2022	0.020	0.010	0.003	Yes
DMW32 S DMW33 S DMW31 S DMW32 S DMW33 S DMW31 S DMW32 S DMW33 S DMW31 S DMW31 S DMW32 S DMW33 S DMW31 S DMW32 S DMW33 S DMW33 S	Site 12		0.023	0.010	0.003	Yes
DMW33 S DMW31 S DMW32 S DMW33 S DMW33 S DMW33 S	Site 12		0.059	0.020	NA	Yes
DMW31 S DMW32 S DMW33 S DMW33 S DMW33 S	Site 12	6/9/2022	0.032	0.019	-0.001	Yes
DMW32 S DMW33 S DMW31 S DMW32 S DMW33 S DMW31 S DMW32 S DMW33 S DMW33 S DMW31 S DMW33 S DMW31 S DMW33 S	Site 12		0.034	0.024	0.004	Yes
DMW33 S DMW31 S DMW32 S DMW33 S DMW31 S DMW32 S DMW33 S DMW31 S DMW33 S DMW31 S DMW33 S	Site 12		0.032	0.016	NA	Yes
DMW31 S DMW32 S DMW33 S DMW31 S DMW32 S DMW33 S DMW31 S DMW32 S DMW33 S DMW33 S	Site 12	6/10/2022	0.033	0.020	0.004	Yes
DMW32 S DMW33 S DMW31 S DMW32 S DMW33 S DMW31 S DMW31 S DMW32 S DMW33 S	Site 12		0.034	0.017	0.001	Yes
DMW33 S DMW31 S DMW32 S DMW33 S DMW31 S DMW32 S DMW33 S	Site 12		0.001	0.001	NA	Yes
DMW31 S DMW32 S DMW33 S DMW31 S DMW32 S DMW33 S	Site 12	6/13/2022	0.025	0.009	0.008	Yes
DMW32 S DMW33 S DMW31 S DMW32 S DMW33 S	Site 12		0.045	0.020	0.019	Yes
DMW33 S DMW31 S DMW32 S DMW33 S	Site 12		0.026	0.022	NA	Yes
DMW31 S DMW32 S DMW33 S	Site 12	6/14/2022	0.048	0.036	0.014	Yes
DMW32 S DMW33 S	Site 12		0.033	0.027	0.005	Yes
DMW33 S	Site 12		0.042	0.029	NA	Yes
	Site 12	6/15/2022	0.044	0.033	0.004	Yes
DMW31 S	Site 12		0.058	0.039	0.010	Yes
	Site 12		0.030	0.021	NA	Yes
	Site 12	6/21/2022	0.031	0.026	0.005	Yes
	Site 12		0.028	0.018	-0.003	Yes
	Site 12		0.031	0.020	NA	Yes
	Site 12	6/22/2022	0.118	0.070	0.050	Yes
	Site 12		0.034	0.022	0.002	Yes
	Site 12		0.011	0.007	NA	Yes
	Site 12	6/23/2022	0.042	0.020	0.013	Yes
	Site 12		0.017	0.008	0.001	Yes
	Site 12	0/04/0000	0.026	0.017	NA 0.000	Yes
	Site 12	6/24/2022	0.043	0.026	0.009	Yes
	Site 12		0.031	0.023	0.006	Yes
	Site 12	6/27/2022	0.009	0.006	NA 0.004	Yes
	Site 12	6/27/2022	0.023	0.010	0.004	Yes
	Site 12		0.008	0.007	0.001 NA	Yes Yes
	Site 12	6/28/2022	0.022	0.015		
	Site 12	0/20/2022	0.033	0.017	0.002	Yes
	Site 12		0.026	0.019	0.004 NA	Yes
	Site 12 Site 12	6/29/2022	0.025 0.032	0.019 0.024	0.005	Yes Yes
	Site 12	JIZJIZUZZ	0.032	0.024	0.005	
	Site 12		0.028	0.024	0.005 NA	Yes Yes
	Site 12	6/30/2022	0.020	0.018	0.002	Yes
	Site 12	3/30/2022	0.031	0.010	0.002	Yes
	SILE IZ		0.024	0.020	NA	Yes
	Site 12					Yes
DMW36 S	Site 12 Site 12	7/12/2022	0.005	0.005	-0.001	YAC

Notes:

bold = results above screening criteria mg/m³ = milligrams per cubic meter

NA = not applicable

Maximum and average dust readings from daily PDR data downloads. Data are available upon request.



	AIR MC	NITORING L	.OG							
		ame <u>NAVFAC</u>			Date 4	1/22				
	Project N	Vo. J3100008	00 SWDA Westside, Sit	e 12, Treasu	re Island P	age I of I				
	Logged by									
	Weather	Sunny	- 53 - 690 F							
	Instrument Type: _Dust Trak II									
Г	Calibratio		Jsed_Factory Calibrated	d/Zer	old 1	n office				
		Dust Monitoring		Instrument	11.2					
	Time	Station	Location	Reading	Unit Number	Activities, Remarks				
		Number		(mg/m3)	Number	nemarks				
	0800	PMW31	fill & grading	0.024	1280	Begin import				
-		DMW32	import fill + grader	10.023						
	V	DMW33	downwind im poor fill & grading	0.021	2341					
	1318	Dmw31	0	0-025		continue import				
L		DMW32		0.030						
L	Ju .	DMW33		0.017						
1	500	Dmw31		0.018		end of the day grading				
L		Dmw32		0.038		10				
1	V	Dmw33		0.019						
L										
L										
L						•				
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					6/1	122				
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Client Name NAVFAC	Date	Le	12	122	
Project No. J310000800 SWDA Westside, Site 12, Tro	easure Island	Р	age	of /	
Logged byTR					
Weather 100 dy 54 - 66°	F				
Instrument Type: Dust Trak II	15-17-17-17				

	nt Type: <u>Dus</u> on Standards I	t Trak II Jsed <u>Factory Calibrated</u>	1 7 o k	24	Mi
- Cambratic	Dust	Jacony Cambrated		1	n office
Time	Monitoring	Location	Instrument Reading	Unit	Activities,
	Station Number		(mg/m3)	Number	Remarks
0800	DmW31	upwind fill	0.010	1200	Begin Import
1		A(A(I)(I)(I)(I)	0.012	1280	
	DMW32	import till	0.013	0534	
	Dmw33	down windfill	0.013	2341	
1300	DMW31		0.013		continue Import
1	DMW32		0.014		
	Dmw33		0.019		
1445	Dmw31		0.014		finishing UP
	bmw32		0.014		
V	DMW33		0.020		
			×		
				-	
				XV-	
				1	
				6/	8/22



AIR MONITORING LOG Client Name NAVFAC Project No. J310000800 SWDA Westside, Site 12, Treasure Island Logged by Weather Cloudy 53 - 64°F Instrument Type: _Dust Trak II Calibration Standards Used Factory Calibrated zeroed in office. Dust Instrument Monitoring Unit Activities. Time Location Reading Station Number Remarks (mg/m3) Number 0800 pmw31 upwind import 0.007 1280 Dmw 32 downwild fill 0,006 0534 Dmw33 davnwind Fill 0.004 2341 continue importfill 1100 DmW31 0.008 DMW32 0.010 Dmw33 0.008 Dmw31 0.005 DMW32 0.010 DMW 33 0.009



Client Name NAVFAC	Date	Le	181	122	
Project No. J310000800 SWDA Westside, Site 12, Treas	- sure Islar	nd P	age /) of	1
Logged byTP_		•	9		
Weather Slightly Cloudy 55-	70°	' F			
Instrument Type: Duet Trok II					

	nt Type: <u>Dus</u> on Standards U	T гак II Jsed <u>Factory Calibrated</u>	Zero	ed in	office
Time	Dust Monitoring Station Number	Location	Instrument Reading (mg/m3)	Unit Number	Activities, Remarks
0800	Dmw31	import fill	0.014	1280	Begin import
-	Dmw32	downwind ill	0.012	2341	
	Dmw33	importfill	0.010	0534	
1115	DMW31		0.006		continue impor
<u> </u>	DMW32		0.006		
1	Dmw33		0,010		
1500	DMW31		0.013		FINISHIM P import fill
	Dmw32		6.009		,
	Dmw33		0.013		
	•				- F
				311	
				B	
					*//
				E)	8/32
				/	



Client Name NAVFAC	Date 6/9/22
Project No. J310000800 SWDA Westside, Site 12, Treas	ure Island Page / of 1
Logged byR	
Weather Sunny 57-74°F	

Instrument Type: Dust Trak II

	Calibration Standards Used Factory Calibrated Zeroed in office								
Time	Dust Monitoring Station Number	Location	Instrument Reading (mg/m3)	1	Activities, Remarks				
0800	DMW31	import down wind	0.031	1280	Begin import				
	Pmw32	import	0.026	2341					
4	Drw33	downwind	0.030	0534					
1245	PMW31		0.619		continue mport				
	Dnw 32		0.017						
4	PMW33		0.014						
1500	Dmw31		0.017		Finished up				
	DMW32		0.016						
1	DMW 33		0.020						
		,							
				9					
				R					
					Xal				
				(P)	122				
				/					



Client Name NAVFAC	Date 6/10/22
Project No. J310000800 SWDA Westside, Site 12	Treasure Island Page (of)
Logged by	
Weather_ Sunna 60 - 78°	F
Instrument Type: Dust Trak II	

	nt Type: <u>Dust</u>		7 000		11.50
Calibratio	Dust	Jsed <u>Factory Calibrated</u>	, cer	oed in	n office
Time	Monitoring Station Number	Location	Instrument Reading (mg/m3)	Unit Number	Activities, Remarks
0800		olaunwind fill	0.031	1280	Begin im porto Grading
	pmw32	alounwind fill	0.032	0534	
1	P MW33	downwind 11	0.037	2341	
1200	DMW31		0.021		continue import
1	pmw32		0,024		
6	Dm w33		0.018		
1455	DMW31		0.012		Grading import
	DMW 32		0.011		
V	Dm W33		0.015		
				TR	
					10/22
				,	1

-	1 -	-	-	-
6		-	1	
VII. 10	1 7	400		-
The same of the sa		100		
42000				

AIR MONITORING LOG Client Name NAVFAC Date Le/13/22 Project No. J310000800 SWDA Westside, Site 12, Treasure Island Page 1 of 1 Logged by Weather_Sunny Instrument Type: _Dust Trak II Calibration Standards Used Factory Calibrated zerold in of Dust Instrument Monitoring Unit Activities. Time Location Reading Station Number Remarks (mg/m3)Number UPWIND 1280 Begin grading 0800 DmW311 0.001 2341 0.006 0.006 0534 continue 1130 DMIN 31 0.001 DMW 32 0.010 DMW33 0.031 Continue 1430 Dmw31 0.001 Dmw 32 0.011 DMW 33

Gilbane **AIR MONITORING LOG** Client Name NAVFAC Project No. J310000800 SWDA Westside, Site 12, Treasure Island Page I of J Logged by _____ 57-73°F Weather Sunny Instrument Type: _Dust Trak II Calibration Standards Used Factory Calibrated Zeroed in office Dust Instrument Monitoring Unit Activities, Time Location Reading Station Number Remarks (mg/m3)Number upwind Begin grading a RAD Survey 0800 DMW31 0.028 /280 DMW32 0.032 0534 down wind 0.029 Dmw33 2341 Cont grating RADSurvey, clean Sive Dmw31 0.022 Dmw32 0.023 Pmw 33 0.027 Frish grading RAD Survey 1500 DMW31 0.021 DMW 32 0.025 Dmw 33 1),022



AIR MONITORING LOG Client Name NAVFAC Project No. J310000800 SWDA Westside, Site 12, Treasure Island Page 1 of 1 Logged by Logged by 56-74°F Sunny Weather Instrument Type: _Dust Trak II Calibration Standards Used Factory Calibrated 7 evold in Dust Instrument Monitoring Unit Activities. Time Location Reading Station Number Remarks (mg/m3)Number OPWIND site clean 0800 DMW31 0.043 1280 DMW32 0.042 2341 down wind 0.044 Dmw33 Clean UP a little wordy 1.040 DmW31 0.036 Dmw32 0.047 Dmw 33 site clean 1430 0.030 DMW31 0.024 Dmu32 Dmw33 0.034

M none 2		-	1
GL	0 6		
		Name and Address	

AIR MONITORING LOG Client Name NAVFAC Project No. J310000800 SWDA Westside, Site 12, Treasure Island Page 1 of 1 Logged by Logged by Weather_Sunny_ Instrument Type: _Dust Trak II Calibration Standards Used Factory Calibrated Zeroed in office Dust Instrument Monitoring Unit Activities. Time Location Reading Station Number Remarks (mg/m3)Number upwind 0800 Dmw31 Importfill & grading import & grade 0.027 1280 PMW32 importagrade 0.027 0534 Dmw33 0.025 2341 1130 0.023 DMW31 DMW32 0.025 DMW33 0,020 1500 DMW31 0.021 DMW32 0.022 DMW33 0.014



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AIR MO	NITORING	LOG			
Client Na	ame NAVFAC			Date	22/27 agel_of(
Project N	lo <u>. J3100008</u>	800 SWDA Westside,	Site 12, Treasur	e Island Pa	ageof(
Logged b	Sunn	2 60- 13	TOF		
Instrume	nt Type: _Dus		,		
		Used Factory Calibra	ited , Zero	ed in	office
Time	Dust Monitoring Station Number	Location	Instrument Reading (mg/m3)	Unit Number	Activities, Remarks
0810	Dmw31	Upulned che	an 0.036	1280	Impart Clean
1	DMW32	teleun import fi	110,082	05341	Hish reading. No / dust. Zero out again
	DMW73	downwind clei	an 0.031	2341	
1130	Dmw31		0.020	1	Import fill grading
	DmW32		0.069	1	working properly
	Dmw33		0.014		zerded again.
400	Dmw31		0.017		Import fill
1	DMW32		0.054		*
V	Dm W33		0.023		
	* Dust	meter o	534 is	having	technical
	diffic	ultiea. Tr	ied zen	O ord	meter,
		reading			ich. No
	dus	is been	3 gerie	rate	Within
	the 1	orth east	portion	n of	the site.
	Wewi	11 have to	trouble.	Shoot	tomorrow
	or ge	ta repla	cernent	from ,	ECO Rentals.
	Other	neters	are	work	ing fine.



	me <u>NAVFAC</u>				Date	6/23/22 ageof	
Project N	lo <u>. J31000080</u>	00 SWDA We	estside, Sit	e 12, Treasure	e Island Pa	igeof	
Logged b	by bogan 5	Schwing	A 16	. A			
			Partly 0	doudy.			_
	nt Type: <u>Dust</u>		1				_
Calibration	on Standards U	Jsed <u>Factory</u>	Calibrated	<u> </u>			=
Time	Dust Monitoring Station Number	Locat		Instrument Reading (mg/m3)	Unit Number	Activities, Remarks	
0755	DMW31	10 July 1	tlyrading of	0.007	1250	. 1	
	DMU32	Du		0.045	0534	· 0534 dustrut il	acting high
	DMW33	· DW		0,009	2341	Call 80-rental	1
1130	DMW31			0.009			
	DANNAZ			0.015	1654	new dust were	res orgite
1	DMW33			0.007		.0534 reversed	from sixe
1500	DMW31			0.010			
	DMW35		0-10	0.023		of wriffing of	
1	DMW33			0.017			
1							
							1
							1
,							
							1
			15				
				6/2	-/		1
					155		
							1
		1027					



AIR MONITORING LOG Client Name NAVFAC Project No. J310000800 SWDA Westside, Site 12, Treasure Island Page of Logged by Logged by Light Schript Weather 51°F - 64°F, partly cloudy. Instrument Type: Dust Trak II Calibration Standards Used Factory Calibrated

Calibratio	n Standards l	Jsed Factory Calibrated	<u>k</u>		
Time	Dust Monitoring Station Number	Location	Instrument Reading (mg/m3)	Unit Number	Activities, Remarks
0400	DMW31	now grading temps +	0.009	1280	· op mobisety
	DMW32	·DW	0,005	2341	
	DMW33	·DW	0.010	1654	
1130	DAWSI		0.014		·mid-day readings
	DMW32		0.025		
	DAW33		0.020		1.0
500	DMW31		0.024		· Of finished for to
	DMW3Z		0.034		
	DMW33		0.030		
		,			
		46	0.1		
	· ***		6/21.		
				0 0	



AIR MONITORING LOG Client Name NAVFAC Project No. J310000800 SWDA Westside, Site 12, Treasure Island Logged by Logar Schwing Weather Date 6/27/27 Page \ of \ \ Logged by Logar Schwing

Instrument Type: _Dust Trak II

Calibratio	n Standards L	Jsed Factory Calibrated	d			
Time	Dust Monitoring Station Number	Location	Instrument Reading (mg/m3)	Unit Number	Activities, Remarks	
0800	DMW31	ON Emper + I greeting	0.006	1280	· mobilize	
	DMW32	'DW	0.008	2341	·NO Welk as a	- aore
1	DMW33	:DW	0.005	1654		
1230	DMW31		0.008		omididay neud	1 2 En.
	DMW32		0.016			
	DMW33		0.011			
1430	DAW31		0.007		- of weathery up ?	er tala
	DMW32		0.017			
	DMW33		0.012			
		3000000000000				
		*1050				
			5/			
		,	6/-	2		
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				-		
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		1000				

bane **AIR MONITORING LOG** Client Name NAVFAC Project No. J310000800 SWDA Westside, Site 12, Treasure Island Page Echeving Logan Logged by mostly Genny. Weather Instrument Type: _Dust Trak II Calibration Standards Used Factory Calibrated Dust Instrument Monitoring Unit Activities, Location Reading Time Station Number Remarks (mg/m3) Number · UW Impert till 1280 0800 0.021 DAW31 · Dw 0.019 D MW32 2341 1654 DAW33 0.022 DW 1200 0.015 DMW31 0.019 DAW32 DMW33 0.016 1500 0.014 DMW31 · site security. 0.013 DMW32 0.014 DMW33



- W. T			
Client Name NAVFAC	Date	6/29/	22
Project No. J310000800 SWDA Westside, Site 12, Trea	asure Island	_Page	of
Logged by Logan Schwing			
Weather 57°F-58°F, mostly c	loudy.		
Instrument Type: _Dust Trak II			

	nt Type: <u>Dust</u> on Standards U	Jsed <u>Factory Calibrated</u>	 I			
Time	Dust Monitoring Station Number	Location	Instrument Reading (mg/m3)	Unit Number	Activities, Remarks	
0600	DMW3/	Trading of	0.018	1280	· mobilize	
	DWW35	'DW	0.020	2341		
	DMW33	ibw 1	0.019	1654		
1110	DMW31		6.019		·mid-day.	
	DAW32		0.017		- Import largeding in	Progress
	DMW33		0.024			
1505	DMW31		0.016		-de-moy	
	MW37		0.020		-adivities wrappingup	
	DMW 33		0.024			
		/				
			2/			
			12	9		
				(2)		
				6		
		SO 50 E M				



Client Na	ime <u>NAVFAC</u>				Date	6/30/22	
Project N	lo <u>. J3100008</u> (00 SWDA	Westside, Site	e 12. Treasure	e Island Pa	ige_of	-
Logged b	y	an sch	wing				
Weather		51°F-	10: Ng -589F. (10	redy.			
Instrume	nt Type: <u>Dus</u>	t Trak II			3 %		
Calibration	on Standards l	Jsed <u>Fac</u>	tory Calibrated	1			_
	Dust		2	Instrument			
Time	Monitoring	1	ocation	Instrument Reading	Unit	Activities,	
	Station		ocation	(mg/m3)	Number	Remarks	
	Number	1	100 101				
0800	DMW31	1000 411	ralgrade S.te Clanuf		1290	· mad Isetup	rep
	DMW32	· DW		0.012	234/	· Begin organization	Suglamon f
7	DMW33	"DW		0.013	1654		The world
1115	DMUBI			0.019		·mid-day,	
	D MUI3Z		<u>. </u>	0.020		eguading in prog	iress.
	DAW33			0.023			
1330	DAW31			1.011		of wrafting of f	er week.
	DMW32			0.014		17ite selvity	
	DMW33			0.019		·de-mib	
	UI VIOO J				-112		
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bane **AIR MONITORING LOG** Date _ 7/12/22 Client Name NAVFAC Project No. J310000800 SWDA Westside, Site 12, Treasure Island Page Loour Schwing Mod + 14 cloudy-Weather 55°F - 62°F. Instrument Type: _Dust Trak II Calibration Standards Used Factory Calibrated Dust Instrument Monitoring Unit Activities, Time Location Reading Station Number Remarks (mg/m3) Number OW Styll cycanalism DAW34 260 · Setul 0,006 DMW35 'DW 0,006 DMW36 ·DW 0.005 320 MW34 0,005 DAW35 0.010 DMW36 0.001 today. Last day of dust mon, tring 540 DMW34 0,008 MW35 0,007 0,008 DMW 36

