DEBRIS TRANSPORT AIR MONITORING

MAUI TDS(OLOWALU) TO PDS(CENTRAL)

October 01, 2025

Prepared for
United States Army Corps of Engineers

Prepared by:

ECC Constructors LLC
700 Airport Blvd., Suite 250
Burlingame, CA 94010
Tel: 650.347.1555
Fax: 650.347.8789
Corporate@ecc.net

Debris Transfer Air monitoring: October 01, 2025
Maui TDS (Olowalu) to PDS (Central) Air Monitoring

Summary:

The Air Monitoring and Surveillance Plan includes the use of real-time particulate monitors located in areas around the active debris removal operations. The AMSP has established Daily Project Limits of 70 ug/m3 for particulates in the PM 2.5 size range and 300 ug/m3 for particulates in the PM 10 size range as Daily Average concentrations. The Plan also establishes Operational Control Action Levels at one-half the Project Limit levels to help ensure effectiveness of operational controls.

The data collected by real-time dust monitors is uploaded via cellular telemetry to a cloud-based data management system. In addition to storing the data, the system allows for communications on a real-time basis by text and email, as well as integration and analysis of the data.

The AMSP has established an alert system with criteria so that operational controls can be investigated and, if necessary, adjusted throughout the day so that the particle concentrations remain below the Project Limit. If any 15-minute block average hits an Operational Alert level, the Air Monitoring Team receives an immediate alert which triggers an investigation. If necessary, operational controls can then be immediately adjusted to preclude a Project Limit exceedance.

Weather:

		TDS	Haul Road
Precipitation		No precipitation observed all day. The skies were mostly clear in the morning afternoon and partly cloudy/ overcast in the evening. Overnight chance of precipitation is 20%. Less than ½" of rain overnight possible.	No precipitation observed all day. The skies are partly cloudy. Overnight chance of precipitation is 10%.
Wind Direction		NE to NW	N-NNE
Wind Speed	Average	8 mph	19 mph
	Range	6 – 14 mph	5–31 mph

Station Location Summary:

Maui Station 1 and Maui Station 2 were set up at the perimeter of the current TDS. Maui station 3 and Station 4 were set up on Haul Road.

Station Data:

No stations exceeded the Project limit or the Action Level for the day.

		Maui Station 1	Maui Station 2	Maui Station 3	Maui Station 4	Project Limit	Action Level
PM 2.5	Avg, ug/M^3	2	10	2	2	70	35
PM 10	Avg, ug/M^3	3	13	6	3	300	150

Monitoring Station Map:

DAILY AIR MONITORING REPORT

Real-Time Particulates

Maui TDS (Olowalu) to PDS (Central) Air Monitoring

10/1/2025

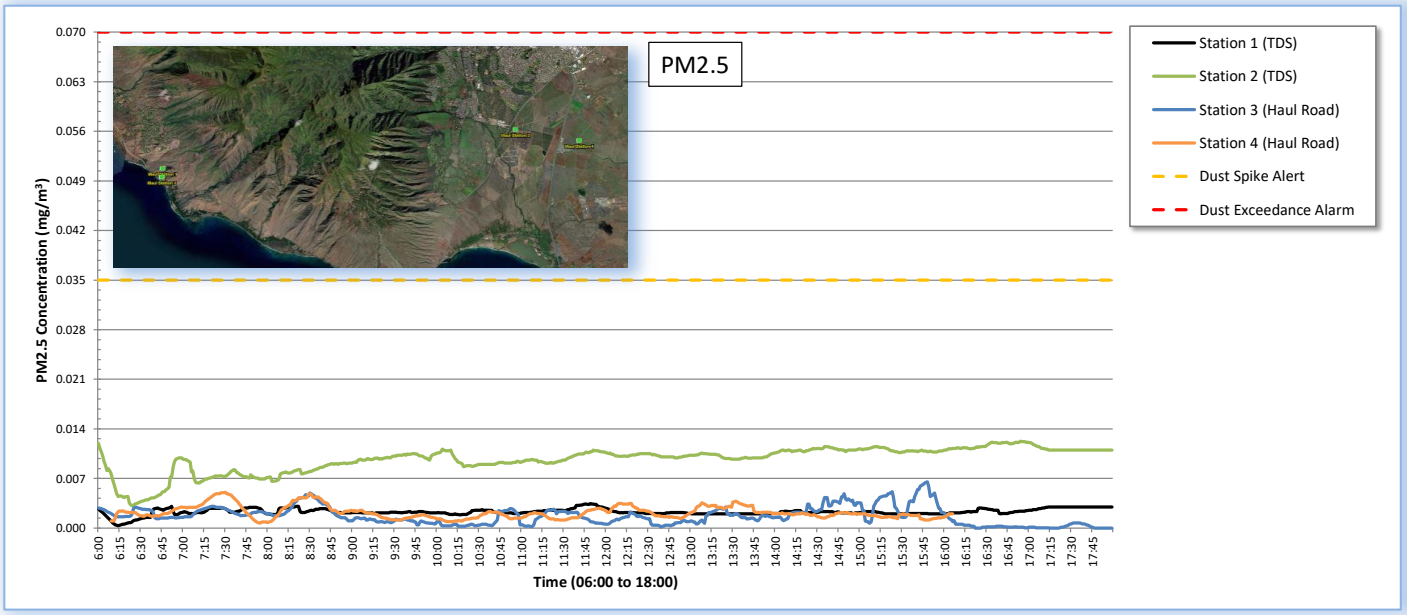
PM2.5 Particulate Summary

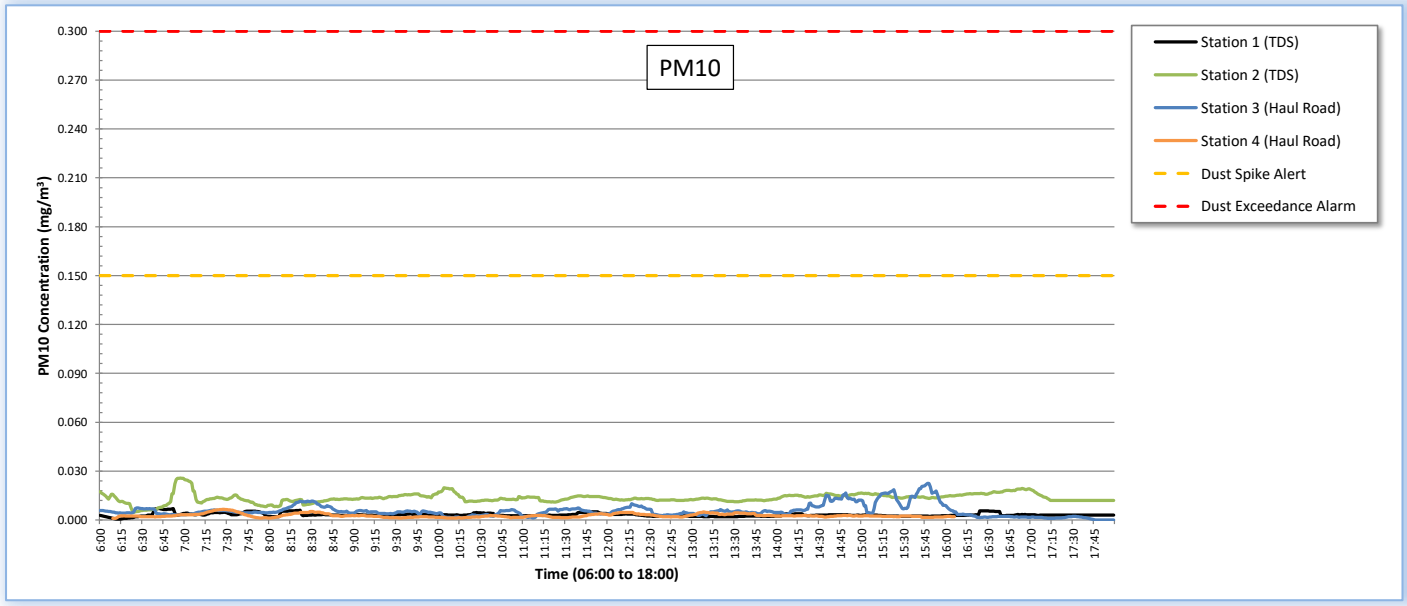
Station ID/Location	Daily Average PM2.5 Conc (mg/m³)	Max PM2.5 Conc (mg/m³)	Time of Max	15-Min Avg PM2.5 Conc (mg/m³)	Max 15-Min PM2.5 Conc (mg/m³)	Time of Max 15-Min Avg
Station 1 (TDS)	0.002	0.014	8:08	0.002	0.003	11:49
Station 2 (TDS)	0.010	0.027	6:53	0.010	0.012	16:54
Station 3 (Haul Road)	0.002	0.023	15:10	0.002	0.007	15:48
Station 4 (Haul Road)	0.002	0.014	13:30	0.002	0.005	7:30

PM10 Particulate Summary

Station ID/Location	Daily Average PM10 Conc (mg/m³)	Max PM10 Conc (mg/m³)	Time of Max	15-Min Avg PM10 Conc (mg/m³)	Max 15-Min PM10 Conc (mg/m³)	Time of Max 15-Min Avg
Station 1 (TDS)	0.003	0.044	8:08	0.003	0.007	6:52
Station 2 (TDS)	0.089	0.098	6:53	0.013	0.026	6:57
Station 3 (Haul Road)	0.006	0.071	15:10	0.006	0.023	15:47
Station 4 (Haul Road)	0.003	0.017	13:30	0.003	0.007	7:27

"--" indicates no data or NA





DEBRIS TRANSPORT AIR MONITORING

MAUI TDS(OLOWALU) TO PDS(CENTRAL)

October 02, 2025

Prepared for
United States Army Corps of Engineers

Prepared by:

ECC Constructors LLC
700 Airport Blvd., Suite 250
Burlingame, CA 94010
Tel: 650.347.1555
Fax: 650.347.8789
Corporate@ecc.net

Debris Transfer Air monitoring: October 02, 2025
Maui TDS (Olowalu) to PDS (Central) Air Monitoring

Summary:

The Air Monitoring and Surveillance Plan includes the use of real-time particulate monitors located in areas around the active debris removal operations. The AMSP has established Daily Project Limits of 70 ug/m3 for particulates in the PM 2.5 size range and 300 ug/m3 for particulates in the PM 10 size range as Daily Average concentrations. The Plan also establishes Operational Control Action Levels at one-half the Project Limit levels to help ensure effectiveness of operational controls.

The data collected by real-time dust monitors is uploaded via cellular telemetry to a cloud-based data management system. In addition to storing the data, the system allows for communications on a real-time basis by text and email, as well as integration and analysis of the data.

The AMSP has established an alert system with criteria so that operational controls can be investigated and, if necessary, adjusted throughout the day so that the particle concentrations remain below the Project Limit. If any 15-minute block average hits an Operational Alert level, the Air Monitoring Team receives an immediate alert which triggers an investigation. If necessary, operational controls can then be immediately adjusted to preclude a Project Limit exceedance.

Weather:

		TDS	Haul Road
Precipitation		Light rain showers observed in the morning and evening. The skies are partly cloudy. Overnight chance of precipitation is 20%	No precipitation observed all day. The skies are partly cloudy. Overnight chance of precipitation is 10%.
Wind Direction		WNW	N-NNE
Wind Speed	Average	11 mph	16 mph
	Range	5– 14 mph	5–26 mph

Station Location Summary:

Maui Station 1 and Maui Station 2 were set up at the perimeter of the current TDS. Maui station 3 and Station 4 were set up on Haul Road.

Station Data:

No stations exceeded the Project limit or the Action Level for the day.

		Maui Station 1	Maui Station 2	Maui Station 3	Maui Station 4	Project Limit	Action Level
PM 2.5	Avg, ug/M^3	3	11	2	3	70	35
PM 10	Avg, ug/M^3	5	16	6	3	300	150

Monitoring Station Map:

DAILY AIR MONITORING REPORT

Real-Time Particulates

Maui TDS (Olowalu) to PDS (Central) Air Monitoring

10/2/2025

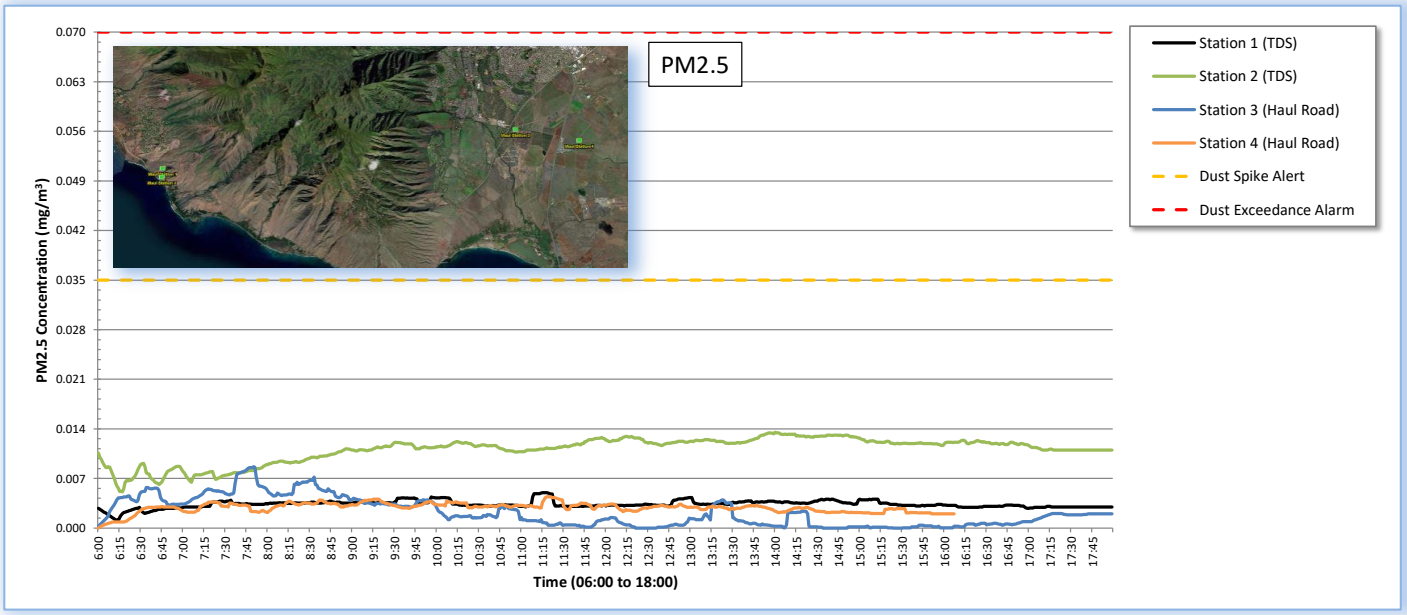
PM2.5 Particulate Summary

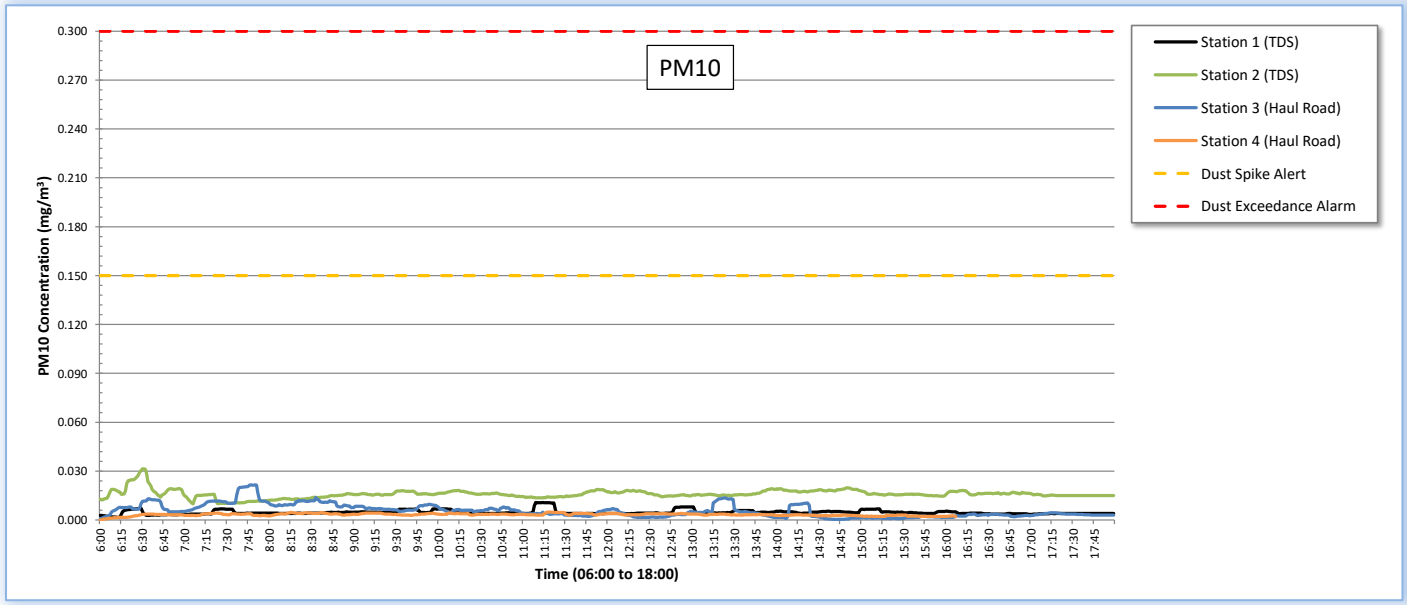
Station ID/Location	Daily Average PM2.5 Conc (mg/m³)	Max PM2.5 Conc (mg/m³)	Time of Max	15-Min Avg PM2.5 Conc (mg/m³)	Max 15-Min PM2.5 Conc (mg/m³)	Time of Max 15-Min Avg
Station 1 (TDS)	0.003	0.022	11:08	0.003	0.005	11:18
Station 2 (TDS)	0.011	0.019	6:19	0.011	0.014	14:00
Station 3 (Haul Road)	0.002	0.030	13:15	0.002	0.009	7:50
Station 4 (Haul Road)	0.003	0.015	11:15	0.003	0.004	11:19

PM10 Particulate Summary

Station ID/Location	Daily Average PM10 Conc (mg/m³)	Max PM10 Conc (mg/m³)	Time of Max	15-Min Avg PM10 Conc (mg/m³)	Max 15-Min PM10 Conc (mg/m³)	Time of Max 15-Min Avg
Station 1 (TDS)	0.005	0.071	11:08	0.005	0.011	11:14
Station 2 (TDS)	0.089	0.087	6:19	0.016	0.031	6:31
Station 3 (Haul Road)	0.006	0.096	13:15	0.006	0.022	7:47
Station 4 (Haul Road)	0.003	0.016	11:15	0.003	0.005	11:19

"--" indicates no data or NA





DEBRIS TRANSPORT AIR MONITORING

MAUI TDS(OLOWALU) TO PDS(CENTRAL)

October 03, 2025

Prepared for
United States Army Corps of Engineers

Prepared by:

ECC Constructors LLC
700 Airport Blvd., Suite 250
Burlingame, CA 94010
Tel: 650.347.1555
Fax: 650.347.8789
Corporate@ecc.net

Debris Transfer Air monitoring: October 03, 2025
Maui TDS (Olowalu) to PDS (Central) Air Monitoring

Summary:

The Air Monitoring and Surveillance Plan includes the use of real-time particulate monitors located in areas around the active debris removal operations. The AMSP has established Daily Project Limits of 70 ug/m3 for particulates in the PM 2.5 size range and 300 ug/m3 for particulates in the PM 10 size range as Daily Average concentrations. The Plan also establishes Operational Control Action Levels at one-half the Project Limit levels to help ensure effectiveness of operational controls.

The data collected by real-time dust monitors is uploaded via cellular telemetry to a cloud-based data management system. In addition to storing the data, the system allows for communications on a real-time basis by text and email, as well as integration and analysis of the data.

The AMSP has established an alert system with criteria so that operational controls can be investigated and, if necessary, adjusted throughout the day so that the particle concentrations remain below the Project Limit. If any 15-minute block average hits an Operational Alert level, the Air Monitoring Team receives an immediate alert which triggers an investigation. If necessary, operational controls can then be immediately adjusted to preclude a Project Limit exceedance.

Weather:

		TDS	Haul Road
Precipitation		Light rain showers observed in the evening. Skies mostly clear becoming partly cloudy. Overnight chance of precipitation is 10%.	: No precipitation observed all day. The skies are partly cloudy. Overnight chance of precipitation is 10%.
Wind Direction		NNW	N-NE
Wind Speed	Average	6 mph	19 mph
	Range	5– 13 mph	5–27mph

Station Location Summary:

Maui Station 1 and Maui Station 2 were set up at the perimeter of the current TDS. Maui station 3 and Station 4 were set up on Haul Road.

Station Data:

No stations exceeded the Project limit or the Action Level for the day.

		Maui Station 1	Maui Station 2	Maui Station 3	Maui Station 4	Project Limit	Action Level
PM 2.5	Avg, ug/M^3	4	13	4	3	70	35
PM 10	Avg, ug/M^3	7	20	8	4	300	150

Monitoring Station Map:

DAILY AIR MONITORING REPORT

Real-Time Particulates

Maui TDS (Olowalu) to PDS (Central) Air Monitoring

10/3/2025

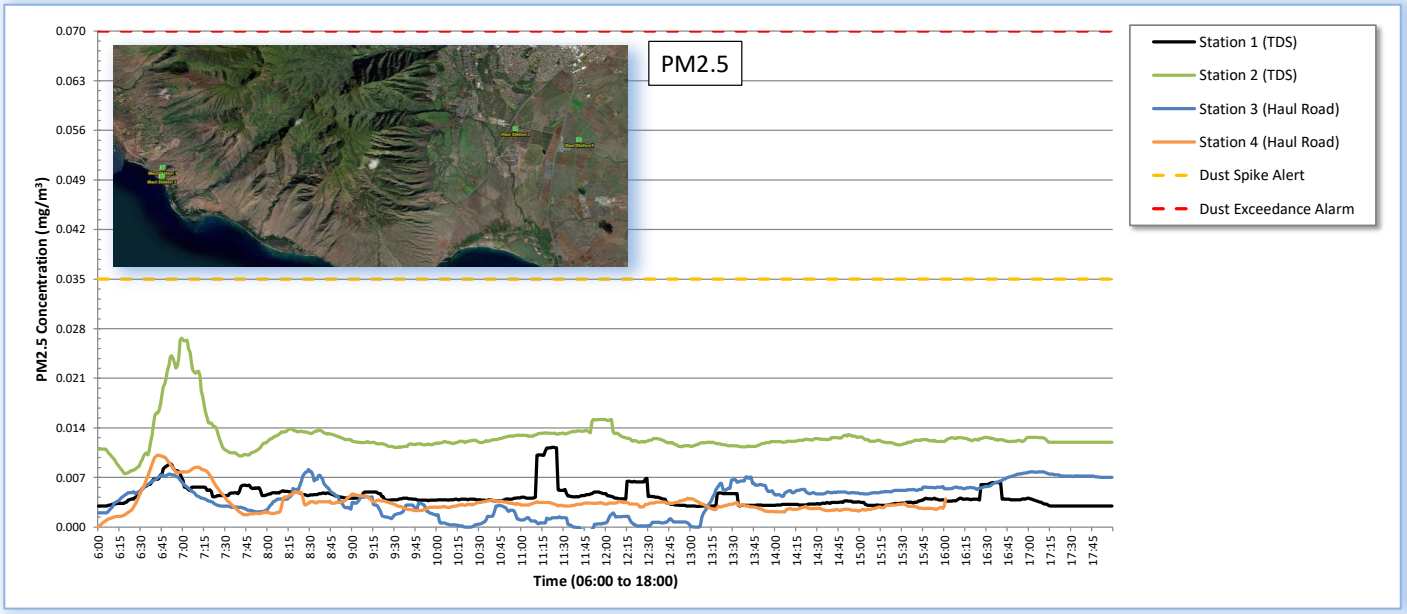
PM2.5 Particulate Summary

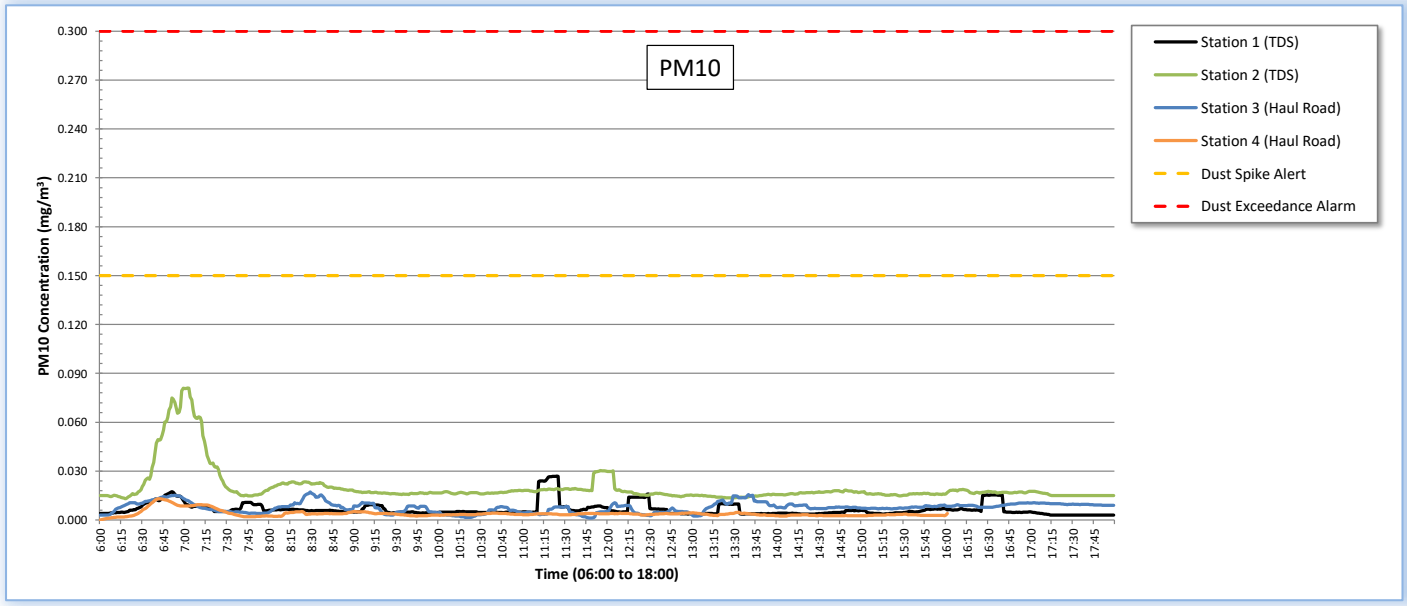
Station ID/Location	Daily Average PM2.5 Conc (mg/m³)	Max PM2.5 Conc (mg/m³)	Time of Max	15-Min Avg PM2.5 Conc (mg/m³)	Max 15-Min PM2.5 Conc (mg/m³)	Time of Max 15-Min Avg
Station 1 (TDS)	0.004	0.093	11:11	0.004	0.011	11:22
Station 2 (TDS)	0.013	0.049	6:58	0.013	0.027	6:59
Station 3 (Haul Road)	0.004	0.023	13:29	0.004	0.008	8:29
Station 4 (Haul Road)	0.004	0.019	8:11	0.003	0.010	6:42

PM10 Particulate Summary

Station ID/Location	Daily Average PM10 Conc (mg/m³)	Max PM10 Conc (mg/m³)	Time of Max	15-Min Avg PM10 Conc (mg/m³)	Max 15-Min PM10 Conc (mg/m³)	Time of Max 15-Min Avg
Station 1 (TDS)	0.007	0.284	11:11	0.007	0.027	11:24
Station 2 (TDS)	0.090	0.178	11:50	0.020	0.081	7:02
Station 3 (Haul Road)	0.008	0.075	13:29	0.008	0.017	8:29
Station 4 (Haul Road)	0.004	0.019	8:11	0.004	0.013	6:42

"--" indicates no data or NA





DEBRIS TRANSPORT AIR MONITORING

MAUI TDS(OLOWALU) TO PDS(CENTRAL)

October 04, 2025

Prepared for
United States Army Corps of Engineers

Prepared by:

ECC Constructors LLC
700 Airport Blvd., Suite 250
Burlingame, CA 94010
Tel: 650.347.1555
Fax: 650.347.8789
Corporate@ecc.net

Debris Transfer Air monitoring: October 04, 2025
Maui TDS (Olowalu) to PDS (Central) Air Monitoring

Summary:

The Air Monitoring and Surveillance Plan includes the use of real-time particulate monitors located in areas around the active debris removal operations. The AMSP has established Daily Project Limits of 70 ug/m3 for particulates in the PM 2.5 size range and 300 ug/m3 for particulates in the PM 10 size range as Daily Average concentrations. The Plan also establishes Operational Control Action Levels at one-half the Project Limit levels to help ensure effectiveness of operational controls.

The data collected by real-time dust monitors is uploaded via cellular telemetry to a cloud-based data management system. In addition to storing the data, the system allows for communications on a real-time basis by text and email, as well as integration and analysis of the data.

The AMSP has established an alert system with criteria so that operational controls can be investigated and, if necessary, adjusted throughout the day so that the particle concentrations remain below the Project Limit. If any 15-minute block average hits an Operational Alert level, the Air Monitoring Team receives an immediate alert which triggers an investigation. If necessary, operational controls can then be immediately adjusted to preclude a Project Limit exceedance.

Weather:

		TDS	Haul Road
Precipitation		No precipitation observed all day. The skies were mostly clear in the morning afternoon and partly cloudy/ overcast in the evening. Overnight chance of precipitation is 20%. Less than ½" of rain overnight possible.	No precipitation observed all day. The skies are partly cloudy. Overnight chance of precipitation is 10%.
Wind Direction		NE-NW	N-NE
Wind Speed	Average	8 mph	16 mph
	Range	6– 14 mph	5–27mph

Station Location Summary:

Maui Station 1 and Maui Station 2 were set up at the perimeter of the current TDS. Maui station 3 and Station 4 were set up on Haul Road.

Station Data:

No stations exceeded the Project limit or the Action Level for the day.

		Maui Station 1	Maui Station 2	Maui Station 3	Maui Station 4	Project Limit	Action Level
PM 2.5	Avg, ug/M^3	4	12	8	4	70	35
PM 10	Avg, ug/M^3	6	19	15	4	300	150

Monitoring Station Map:

DAILY AIR MONITORING REPORT

Real-Time Particulates

Maui TDS (Olowalu) to PDS (Central) Air Monitoring

10/4/2025

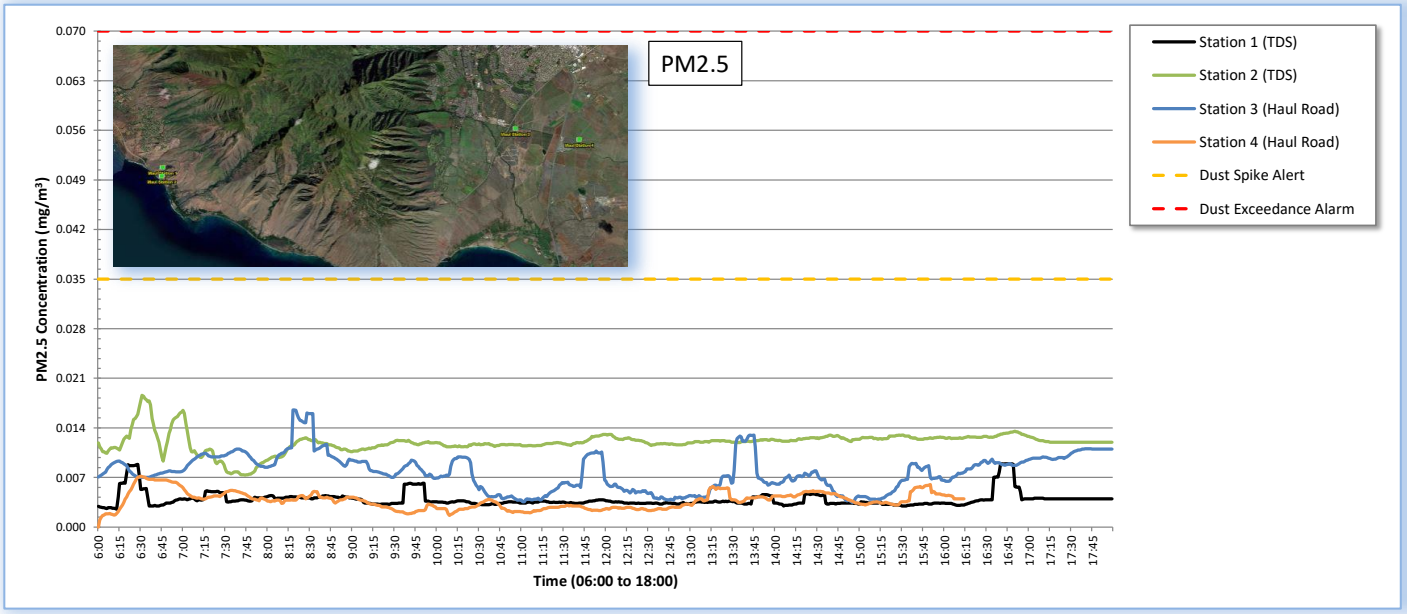
PM2.5 Particulate Summary

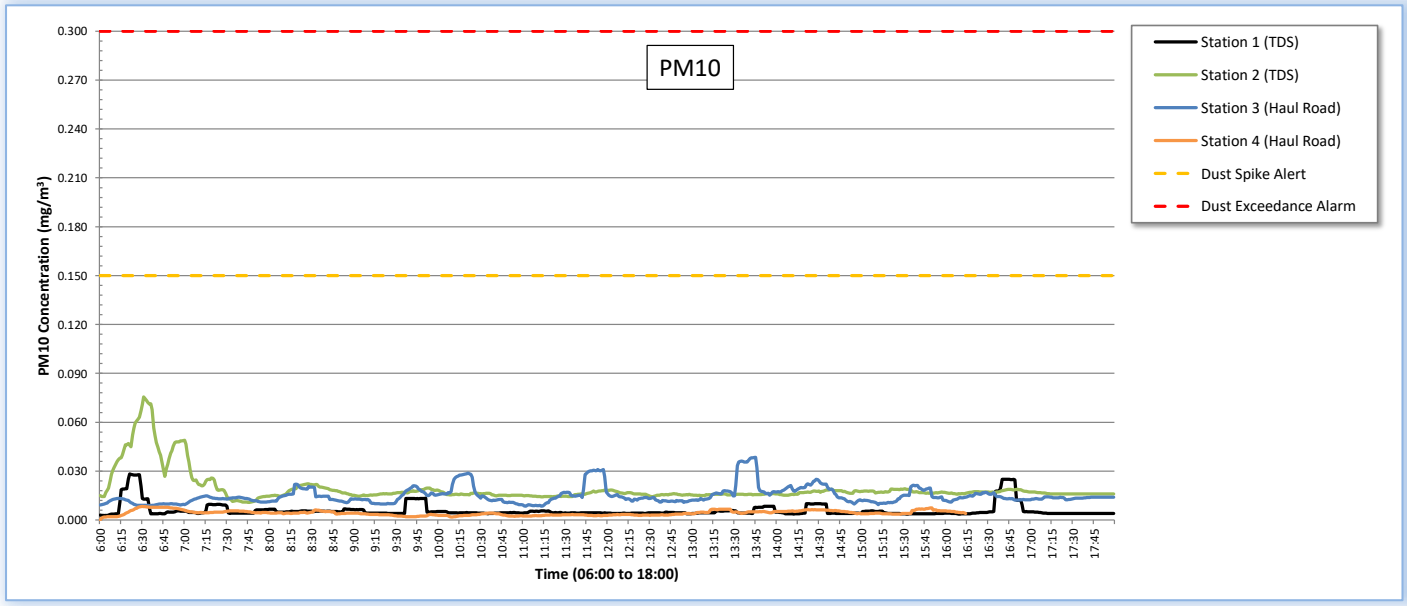
Station ID/Location	Daily Average PM2.5 Conc (mg/m³)	Max PM2.5 Conc (mg/m³)	Time of Max	15-Min Avg PM2.5 Conc (mg/m³)	Max 15-Min PM2.5 Conc (mg/m³)	Time of Max 15-Min Avg
Station 1 (TDS)	0.004	0.051	16:35	0.004	0.009	16:45
Station 2 (TDS)	0.012	0.036	6:23	0.012	0.019	6:31
Station 3 (Haul Road)	0.008	0.089	8:18	0.008	0.017	8:18
Station 4 (Haul Road)	0.004	0.023	13:13	0.004	0.007	6:30

PM10 Particulate Summary

Station ID/Location	Daily Average PM10 Conc (mg/m³)	Max PM10 Conc (mg/m³)	Time of Max	15-Min Avg PM10 Conc (mg/m³)	Max 15-Min PM10 Conc (mg/m³)	Time of Max 15-Min Avg
Station 1 (TDS)	0.006	0.192	16:35	0.006	0.028	6:21
Station 2 (TDS)	0.091	0.184	6:23	0.019	0.076	6:31
Station 3 (Haul Road)	0.015	0.197	13:32	0.015	0.038	13:45
Station 4 (Haul Road)	0.004	0.028	15:36	0.004	0.008	6:30

"--" indicates no data or NA





DEBRIS TRANSPORT AIR MONITORING

MAUI TDS(OLOWALU) TO PDS(CENTRAL) BACKGROUND

October 05, 2025

Prepared for
United States Army Corps of Engineers

Prepared by:

ECC Constructors LLC
700 Airport Blvd., Suite 250
Burlingame, CA 94010
Tel: 650.347.1555
Fax: 650.347.8789
Corporate@ecc.net

Debris Transfer Air monitoring: October 05, 2025
Maui TDS (Olowalu) to PDS (Central) Air Monitoring
Background Monitoring

Summary:

The Air Monitoring and Surveillance Plan includes the use of real-time particulate monitors located in areas around the active debris removal operations. The AMSP has established Daily Project Limits of 70 ug/m3 for particulates in the PM 2.5 size range and 300 ug/m3 for particulates in the PM 10 size range as Daily Average concentrations. The Plan also establishes Operational Control Action Levels at one-half the Project Limit levels to help ensure effectiveness of operational controls.

The data collected by real-time dust monitors is uploaded via cellular telemetry to a cloud-based data management system. In addition to storing the data, the system allows for communications on a real-time basis by text and email, as well as integration and analysis of the data.

The AMSP has established an alert system with criteria so that operational controls can be investigated and, if necessary, adjusted throughout the day so that the particle concentrations remain below the Project Limit. If any 15-minute block average hits an Operational Alert level, the Air Monitoring Team receives an immediate alert which triggers an investigation. If necessary, operational controls can then be immediately adjusted to preclude a Project Limit exceedance.

Station Location Summary:

Maui Station 1 and Maui Station 2 were set up at the perimeter of the current TDS. Maui station 3 were set up on Haul Road. The temporary Station 4 was not set up today.

Station Data:

No stations exceeded the Project limit or the Action Level for the day.

		Maui Station 1	Maui Station 2	Maui Station 3	Maui Station 4	Project Limit	Action Level
PM 2.5	Avg, ug/M^3	4	11	2	--	70	35
PM 10	Avg, ug/M^3	6	14	6	--	300	150

Monitoring Station Map:

DAILY AIR MONITORING REPORT - BACKGROUND

Real-Time Particulates

Maui TDS (Olowalu) to PDS (Central) Air Monitoring

10/5/2025

PM2.5 Particulate Summary

Station ID/Location	Daily Average PM2.5 Conc (mg/m³)	Max PM2.5 Conc (mg/m³)	Time of Max
Station 1 (TDS)	0.004	0.149	11:33
Station 2 (TDS)	0.010	0.019	11:41
Station 3 (Haul Road)	0.002	0.054	14:20
Station 4 (Haul Road)	--	--	--

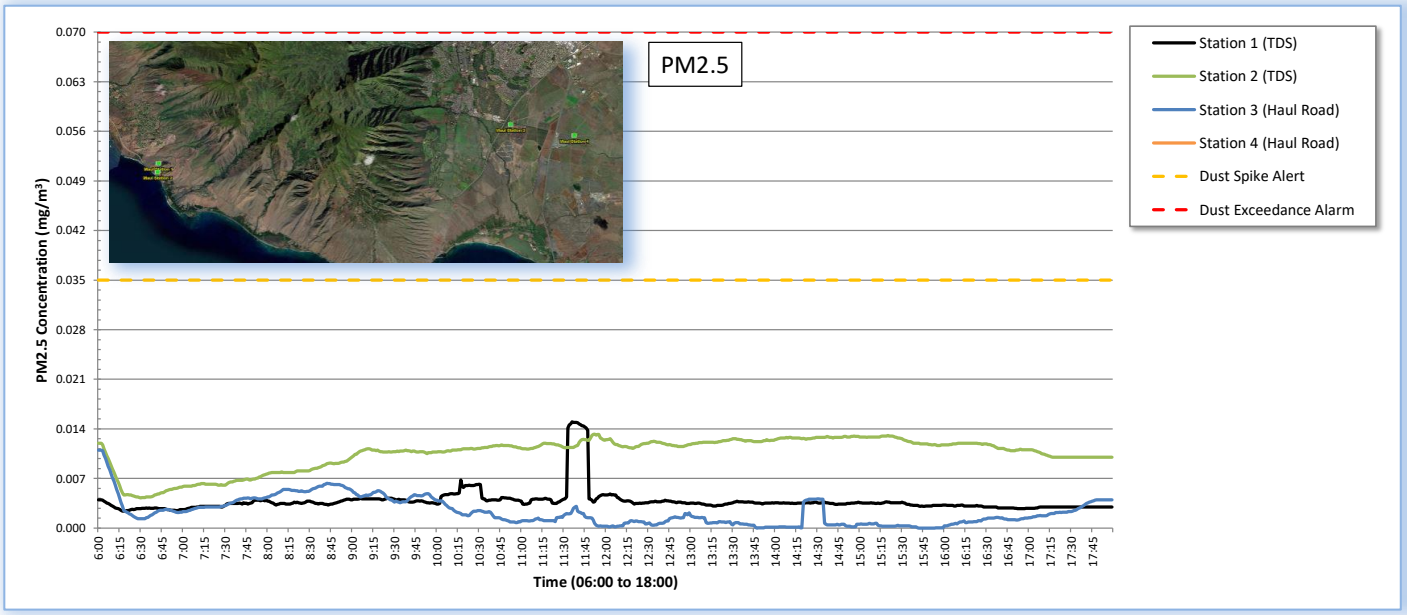
15-Min Avg PM2.5 Conc (mg/m³)	Max 15-Min PM2.5 Conc (mg/m³)	Time of Max 15-Min Avg
0.004	0.015	11:36
0.011	0.013	11:52
0.002	0.011	6:00
--	--	--

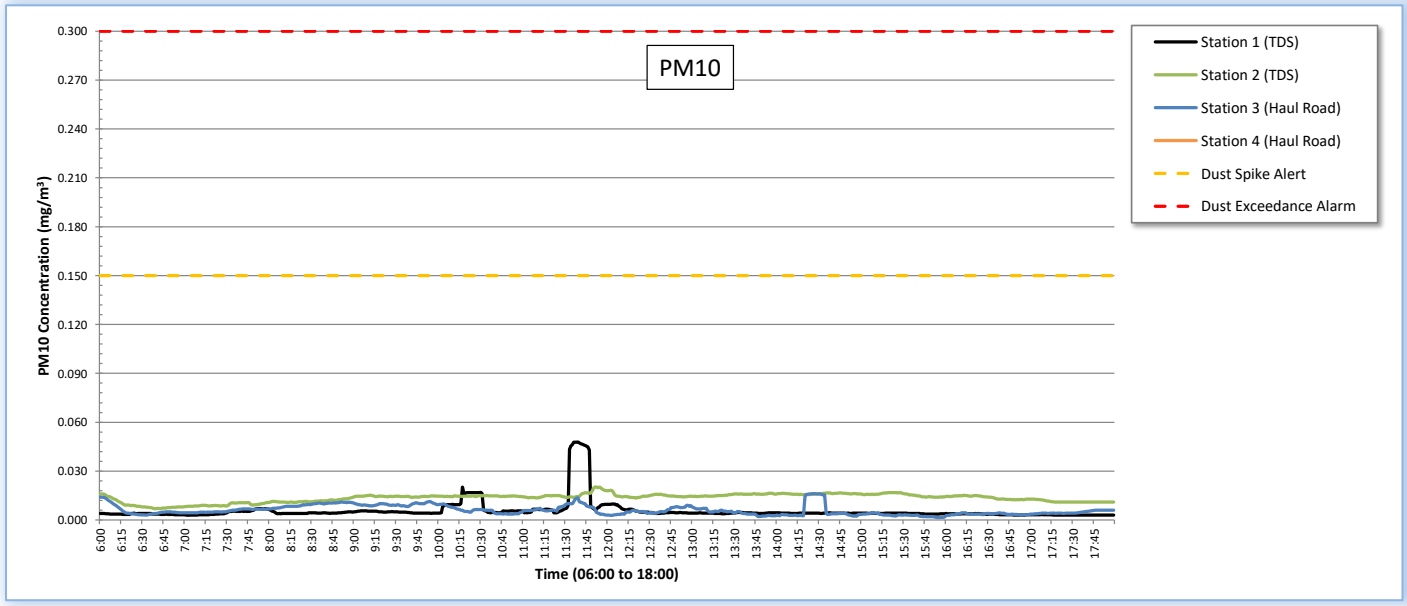
PM10 Particulate Summary

Station ID/Location	Daily Average PM10 Conc (mg/m³)	Max PM10 Conc (mg/m³)	Time of Max
Station 1 (TDS)	0.006	0.519	11:33
Station 2 (TDS)	0.108	0.044	11:50
Station 3 (Haul Road)	0.006	0.185	14:20
Station 4 (Haul Road)	--	--	--

15-Min Avg PM10 Conc (mg/m³)	Max 15-Min PM10 Conc (mg/m³)	Time of Max 15-Min Avg
0.006	0.048	11:39
0.014	0.020	11:52
0.006	0.016	14:25
--	--	--

"--" indicates no data or NA





DEBRIS TRANSPORT AIR MONITORING

MAUI TDS(OLOWALU) TO PDS(CENTRAL)

October 06, 2025

Prepared for
United States Army Corps of Engineers

Prepared by:

ECC Constructors LLC
700 Airport Blvd., Suite 250
Burlingame, CA 94010
Tel: 650.347.1555
Fax: 650.347.8789
Corporate@ecc.net

Debris Transfer Air monitoring: October 06, 2025
Maui TDS (Olowalu) to PDS (Central) Air Monitoring

Summary:

The Air Monitoring and Surveillance Plan includes the use of real-time particulate monitors located in areas around the active debris removal operations. The AMSP has established Daily Project Limits of 70 ug/m3 for particulates in the PM 2.5 size range and 300 ug/m3 for particulates in the PM 10 size range as Daily Average concentrations. The Plan also establishes Operational Control Action Levels at one-half the Project Limit levels to help ensure effectiveness of operational controls.

The data collected by real-time dust monitors is uploaded via cellular telemetry to a cloud-based data management system. In addition to storing the data, the system allows for communications on a real-time basis by text and email, as well as integration and analysis of the data.

The AMSP has established an alert system with criteria so that operational controls can be investigated and, if necessary, adjusted throughout the day so that the particle concentrations remain below the Project Limit. If any 15-minute block average hits an Operational Alert level, the Air Monitoring Team receives an immediate alert which triggers an investigation. If necessary, operational controls can then be immediately adjusted to preclude a Project Limit exceedance.

Weather:

		TDS	Haul Road
Precipitation		Light scattered showers observed throughout the day. The skies are mostly cloudy. Overnight chance of precipitation is 40%. Less than half an inch of precipitation possible.	No precipitation observed all day. The skies are partly cloudy. Overnight chance of precipitation is 20%.
Wind Direction		S	N
Wind Speed	Average	6 mph	16 mph
	Range	5– 13 mph	5–27 mph

Station Location Summary:

Maui Station 1 and Maui Station 2 were set up at the perimeter of the current TDS. Maui station 3 and Station 4 were set up on Haul Road.

Station Data:

No stations exceeded the Project limit or the Action Level for the day.

		Maui Station 1	Maui Station 2	Maui Station 3	Maui Station 4	Project Limit	Action Level
PM 2.5	Avg, ug/M^3	4	11	4	2	70	35
PM 10	Avg, ug/M^3	6	16	7	2	300	150

Monitoring Station Map:

DAILY AIR MONITORING REPORT

Real-Time Particulates

Maui TDS (Olowalu) to PDS (Central) Air Monitoring

10/6/2025

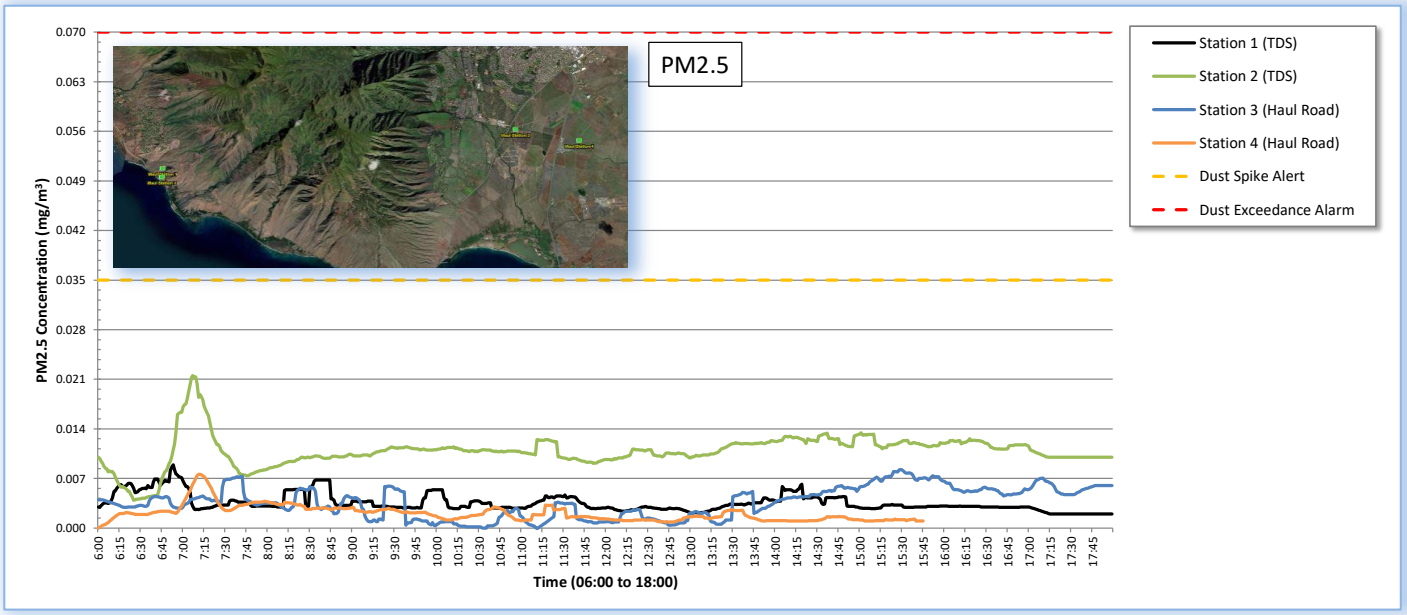
PM2.5 Particulate Summary

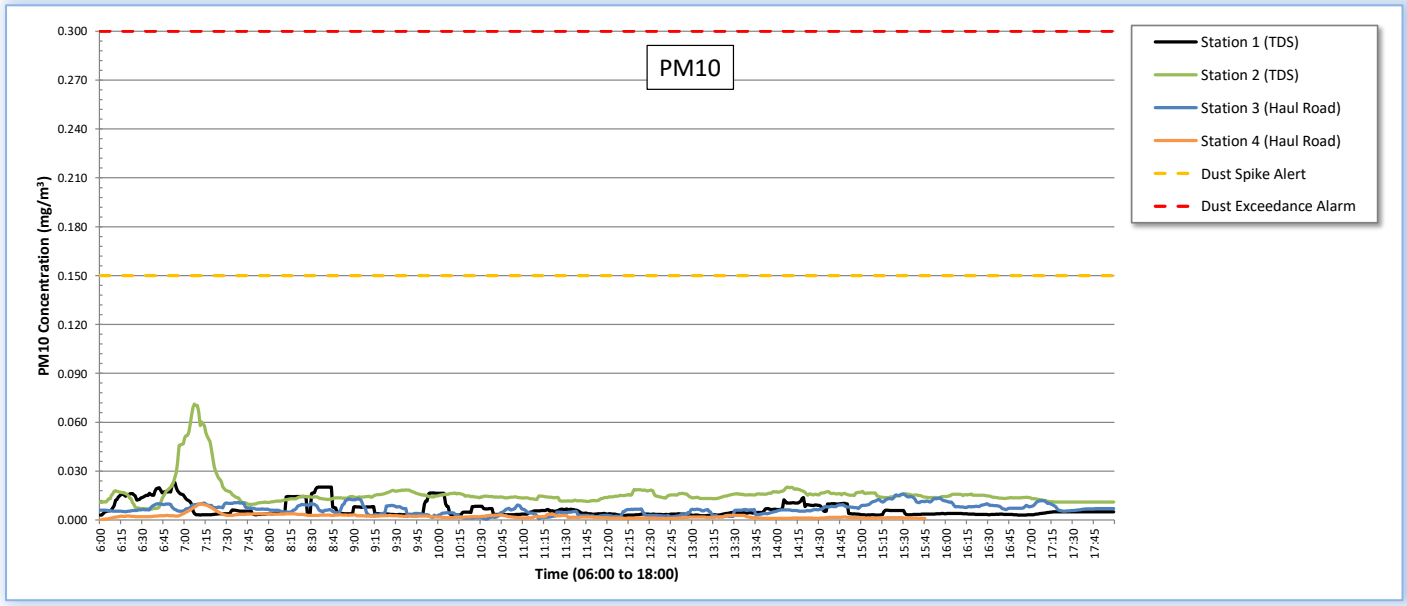
Station ID/Location	Daily Average PM2.5 Conc (mg/m³)	Max PM2.5 Conc (mg/m³)	Time of Max	15-Min Avg PM2.5 Conc (mg/m³)	Max 15-Min PM2.5 Conc (mg/m³)	Time of Max 15-Min Avg
Station 1 (TDS)	0.004	0.044	8:30	0.004	0.009	6:53
Station 2 (TDS)	0.011	0.044	6:56	0.011	0.022	7:07
Station 3 (Haul Road)	0.004	0.071	9:23	0.004	0.008	15:29
Station 4 (Haul Road)	0.002	0.022	11:17	0.002	0.008	7:12

PM10 Particulate Summary

Station ID/Location	Daily Average PM10 Conc (mg/m³)	Max PM10 Conc (mg/m³)	Time of Max	15-Min Avg PM10 Conc (mg/m³)	Max 15-Min PM10 Conc (mg/m³)	Time of Max 15-Min Avg
Station 1 (TDS)	0.006	0.188	8:30	0.006	0.023	6:53
Station 2 (TDS)	0.090	0.175	6:56	0.016	0.071	7:07
Station 3 (Haul Road)	0.007	0.073	9:23	0.007	0.016	15:29
Station 4 (Haul Road)	0.002	0.022	11:17	0.002	0.010	7:11

"--" indicates no data or NA





DEBRIS TRANSPORT AIR MONITORING

MAUI TDS(OLOWALU) TO PDS(CENTRAL)

October 07, 2025

Prepared for
United States Army Corps of Engineers

Prepared by:

ECC Constructors LLC
700 Airport Blvd., Suite 250
Burlingame, CA 94010
Tel: 650.347.1555
Fax: 650.347.8789
Corporate@ecc.net

Debris Transfer Air monitoring: October 07, 2025
Maui TDS (Olowalu) to PDS (Central) Air Monitoring

Summary:

The Air Monitoring and Surveillance Plan includes the use of real-time particulate monitors located in areas around the active debris removal operations. The AMSP has established Daily Project Limits of 70 ug/m3 for particulates in the PM 2.5 size range and 300 ug/m3 for particulates in the PM 10 size range as Daily Average concentrations. The Plan also establishes Operational Control Action Levels at one-half the Project Limit levels to help ensure effectiveness of operational controls.

The data collected by real-time dust monitors is uploaded via cellular telemetry to a cloud-based data management system. In addition to storing the data, the system allows for communications on a real-time basis by text and email, as well as integration and analysis of the data.

The AMSP has established an alert system with criteria so that operational controls can be investigated and, if necessary, adjusted throughout the day so that the particle concentrations remain below the Project Limit. If any 15-minute block average hits an Operational Alert level, the Air Monitoring Team receives an immediate alert which triggers an investigation. If necessary, operational controls can then be immediately adjusted to preclude a Project Limit exceedance.

Weather:

		TDS	Haul Road
Precipitation		Light rain showers observed in the evening. Skies mostly cloudy. Overnight chance of precipitation is 30%.	No precipitation observed all day. The skies are partly cloudy. Overnight chance of precipitation is 30%.
Wind Direction		SW	S-ESE
Wind Speed	Average	6 mph	12 mph
	Range	4– 15 mph	5–19 mph

Station Location Summary:

Maui Station 1 and Maui Station 2 were set up at the perimeter of the current TDS. Maui station 3 and Station 4 were set up on Haul Road.

Station Data:

No stations exceeded the Project limit or the Action Level for the day.

		Maui Station 1	Maui Station 2	Maui Station 3	Maui Station 4	Project Limit	Action Level
PM 2.5	Avg, ug/M^3	3	10	5	3	70	35
PM 10	Avg, ug/M^3	5	14	8	3	300	150

Monitoring Station Map:

DAILY AIR MONITORING REPORT

Real-Time Particulates

Maui TDS (Olowalu) to PDS (Central) Air Monitoring

10/7/2025

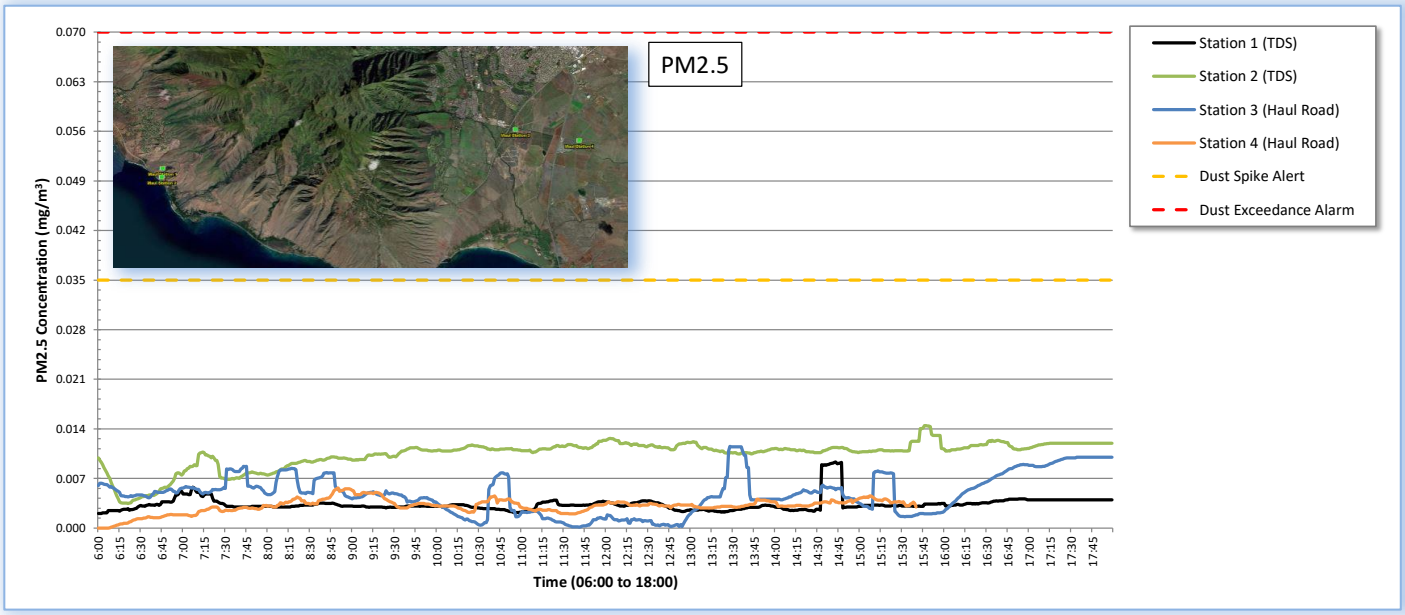
PM2.5 Particulate Summary

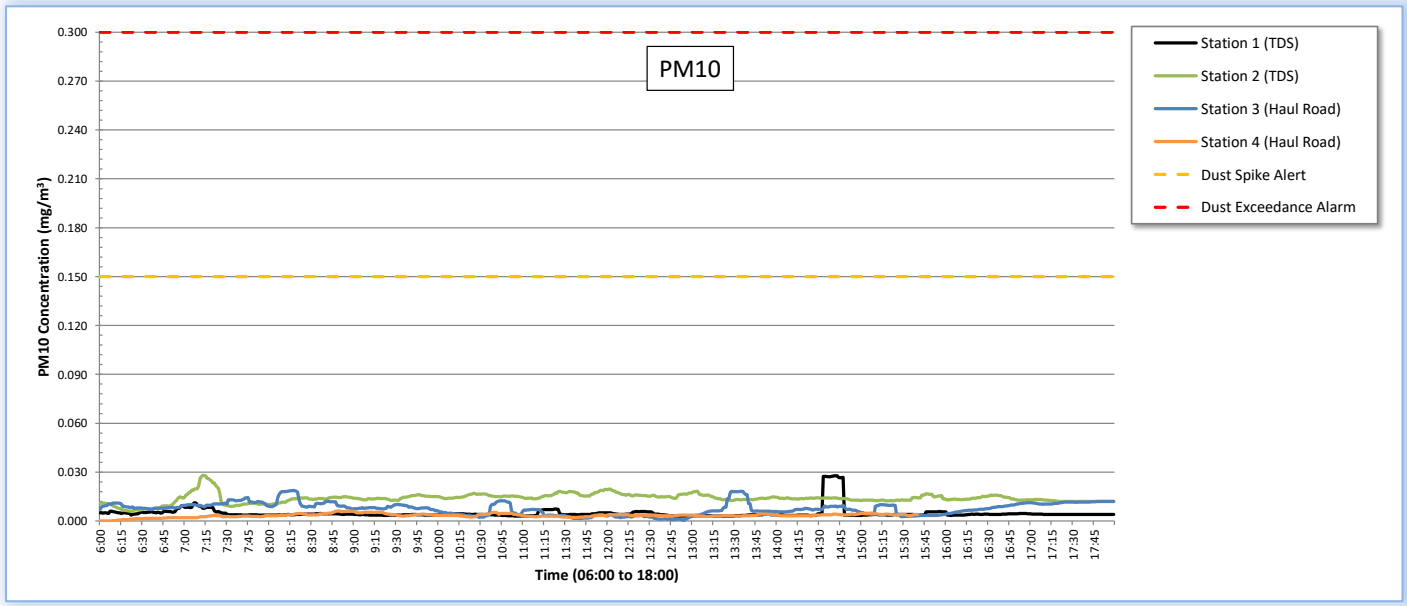
Station ID/Location	Daily Average PM2.5 Conc (mg/m³)	Max PM2.5 Conc (mg/m³)	Time of Max	15-Min Avg PM2.5 Conc (mg/m³)	Max 15-Min PM2.5 Conc (mg/m³)	Time of Max 15-Min Avg
Station 1 (TDS)	0.003	0.099	14:33	0.003	0.009	14:43
Station 2 (TDS)	0.010	0.038	15:43	0.010	0.014	15:46
Station 3 (Haul Road)	0.005	0.080	15:10	0.005	0.012	13:28
Station 4 (Haul Road)	0.003	0.014	10:28	0.003	0.006	8:50

PM10 Particulate Summary

Station ID/Location	Daily Average PM10 Conc (mg/m³)	Max PM10 Conc (mg/m³)	Time of Max	15-Min Avg PM10 Conc (mg/m³)	Max 15-Min PM10 Conc (mg/m³)	Time of Max 15-Min Avg
Station 1 (TDS)	0.005	0.353	14:33	0.005	0.028	14:41
Station 2 (TDS)	0.090	0.096	7:11	0.014	0.028	7:13
Station 3 (Haul Road)	0.008	0.087	13:25	0.008	0.019	8:17
Station 4 (Haul Road)	0.003	0.015	8:36	0.003	0.006	8:50

"--" indicates no data or NA





DEBRIS TRANSPORT AIR MONITORING

MAUI TDS(OLOWALU) TO PDS(CENTRAL)

October 08, 2025

Prepared for
United States Army Corps of Engineers

Prepared by:

ECC Constructors LLC
700 Airport Blvd., Suite 250
Burlingame, CA 94010
Tel: 650.347.1555
Fax: 650.347.8789
Corporate@ecc.net

Debris Transfer Air monitoring: October 08, 2025
Maui TDS (Olowalu) to PDS (Central) Air Monitoring

Summary:

The Air Monitoring and Surveillance Plan includes the use of real-time particulate monitors located in areas around the active debris removal operations. The AMSP has established Daily Project Limits of 70 ug/m3 for particulates in the PM 2.5 size range and 300 ug/m3 for particulates in the PM 10 size range as Daily Average concentrations. The Plan also establishes Operational Control Action Levels at one-half the Project Limit levels to help ensure effectiveness of operational controls.

The data collected by real-time dust monitors is uploaded via cellular telemetry to a cloud-based data management system. In addition to storing the data, the system allows for communications on a real-time basis by text and email, as well as integration and analysis of the data.

The AMSP has established an alert system with criteria so that operational controls can be investigated and, if necessary, adjusted throughout the day so that the particle concentrations remain below the Project Limit. If any 15-minute block average hits an Operational Alert level, the Air Monitoring Team receives an immediate alert which triggers an investigation. If necessary, operational controls can then be immediately adjusted to preclude a Project Limit exceedance.

Station Location Summary:

Maui Station 1 and Maui Station 2 were set up at the perimeter of the current TDS. Maui station 3 was set up on Haul Road. Due to heavy precipitation at both disposal sites, no debris was loaded and transported today. Excavation crews continued to work on site during the precipitation event, so air monitoring continued. The temporary station 4 was set up in the morning but was removed at 0830 since no debris transport occurred.

Station Data:

No stations exceeded the Project limit or the Action Level for the day.

		Maui Station 1	Maui Station 2	Maui Station 3	Maui Station 4	Project Limit	Action Level
PM 2.5	Avg, ug/M^3	7	16	11	--	70	35
PM 10	Avg, ug/M^3	8	18	13	--	300	150

Monitoring Station Map:

DAILY AIR MONITORING REPORT

Real-Time Particulates

Maui TDS (Olowalu) to PDS (Central) Air Monitoring

10/8/2025

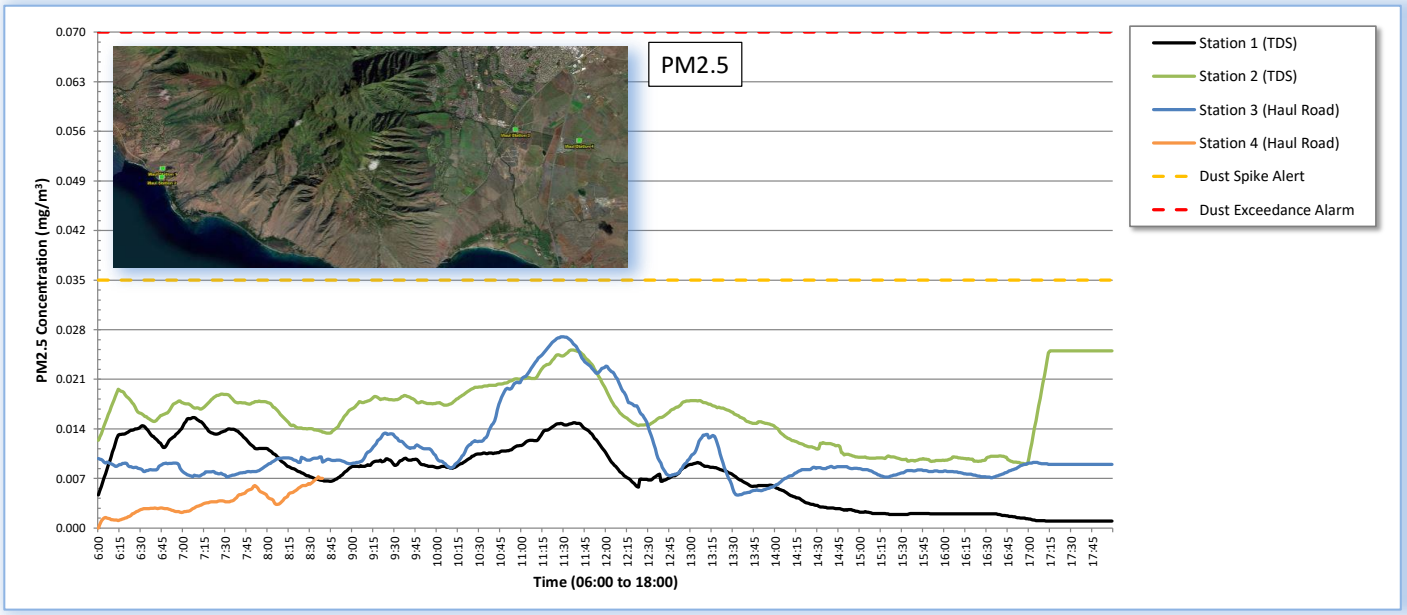
PM2.5 Particulate Summary

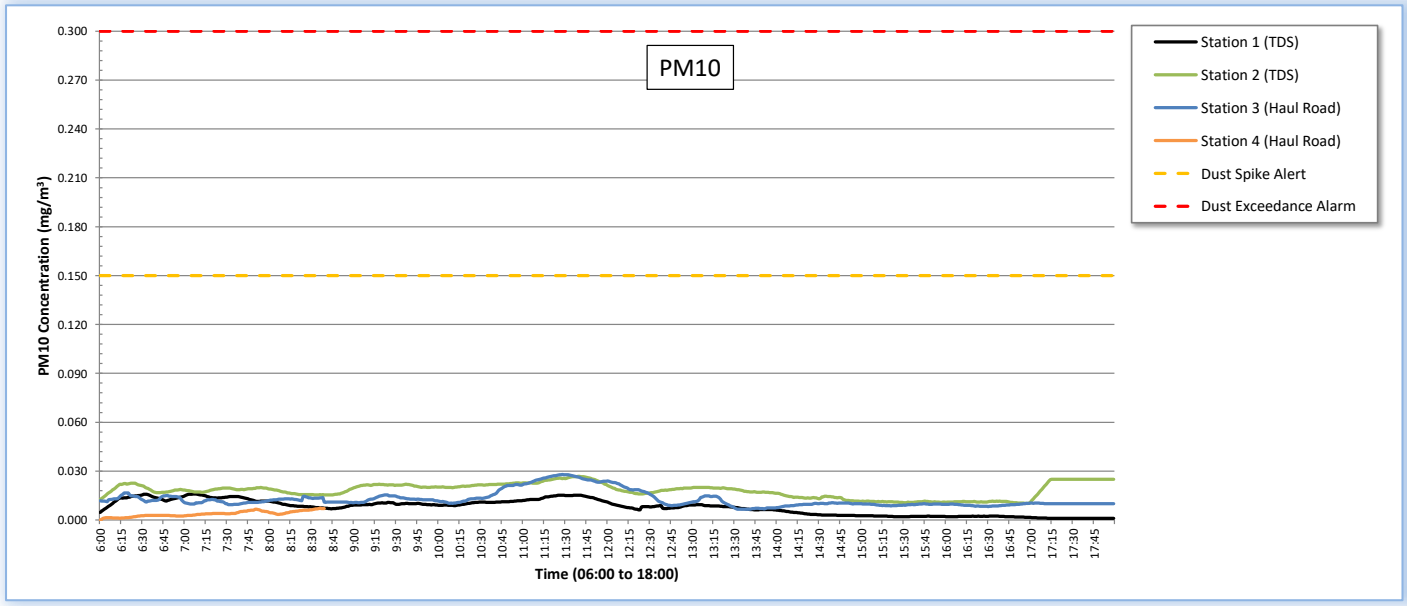
Station ID/Location	Daily Average PM2.5 Conc (mg/m³)	Max PM2.5 Conc (mg/m³)	Time of Max	15-Min Avg PM2.5 Conc (mg/m³)	Max 15-Min PM2.5 Conc (mg/m³)	Time of Max 15-Min Avg
Station 1 (TDS)	0.007	0.022	12:24	0.007	0.016	7:07
Station 2 (TDS)	0.017	0.026	11:12	0.016	0.025	11:36
Station 3 (Haul Road)	0.011	0.028	11:20	0.011	0.027	11:28
Station 4 (Haul Road)	0.004	0.011	7:50	0.004	0.007	8:36

PM10 Particulate Summary

Station ID/Location	Daily Average PM10 Conc (mg/m³)	Max PM10 Conc (mg/m³)	Time of Max	15-Min Avg PM10 Conc (mg/m³)	Max 15-Min PM10 Conc (mg/m³)	Time of Max 15-Min Avg
Station 1 (TDS)	0.008	0.033	12:24	0.008	0.016	7:08
Station 2 (TDS)	0.106	0.028	11:12	0.018	0.027	11:40
Station 3 (Haul Road)	0.013	0.051	8:24	0.013	0.028	11:28
Station 4 (Haul Road)	0.004	0.012	7:50	0.004	0.007	8:36

"--" indicates no data or NA





DEBRIS TRANSPORT AIR MONITORING

MAUI TDS(OLOWALU) TO PDS(CENTRAL)

October 09, 2025

Prepared for
United States Army Corps of Engineers

Prepared by:

ECC Constructors LLC
700 Airport Blvd., Suite 250
Burlingame, CA 94010
Tel: 650.347.1555
Fax: 650.347.8789
Corporate@ecc.net

Debris Transfer Air monitoring: October 09, 2025
Maui TDS (Olowalu) to PDS (Central) Air Monitoring

Summary:

The Air Monitoring and Surveillance Plan includes the use of real-time particulate monitors located in areas around the active debris removal operations. The AMSP has established Daily Project Limits of 70 ug/m3 for particulates in the PM 2.5 size range and 300 ug/m3 for particulates in the PM 10 size range as Daily Average concentrations. The Plan also establishes Operational Control Action Levels at one-half the Project Limit levels to help ensure effectiveness of operational controls.

The data collected by real-time dust monitors is uploaded via cellular telemetry to a cloud-based data management system. In addition to storing the data, the system allows for communications on a real-time basis by text and email, as well as integration and analysis of the data.

The AMSP has established an alert system with criteria so that operational controls can be investigated and, if necessary, adjusted throughout the day so that the particle concentrations remain below the Project Limit. If any 15-minute block average hits an Operational Alert level, the Air Monitoring Team receives an immediate alert which triggers an investigation. If necessary, operational controls can then be immediately adjusted to preclude a Project Limit exceedance.

Weather:

		TDS	Haul Road
Precipitation		Skies are partly cloudy all day. Rain accumulated overnight was less than ½". Overnight chance of precipitation is less than 10%.	No precipitation observed all day. The skies are partly cloudy. Overnight chance of precipitation is 10%.
Wind Direction		S	S-SSE
Wind Speed	Average	6 mph	13 mph
	Range	5– 14 mph	5–19 mph

Station Location Summary:

Maui Station 1 and Maui Station 2 were set up at the perimeter of the current TDS. Maui station 3 and Station 4 were set up on Haul Road.

Station Data:

No stations exceeded the Project limit or the Action Level for the day.

		Maui Station 1	Maui Station 2	Maui Station 3	Maui Station 4	Project Limit	Action Level
PM 2.5	Avg, ug/M^3	5	11	8	6	70	35
PM 10	Avg, ug/M^3	8	13	12	6	300	150

Monitoring Station Map:

DAILY AIR MONITORING REPORT

Real-Time Particulates

Maui TDS (Olowalu) to PDS (Central) Air Monitoring

10/9/2025

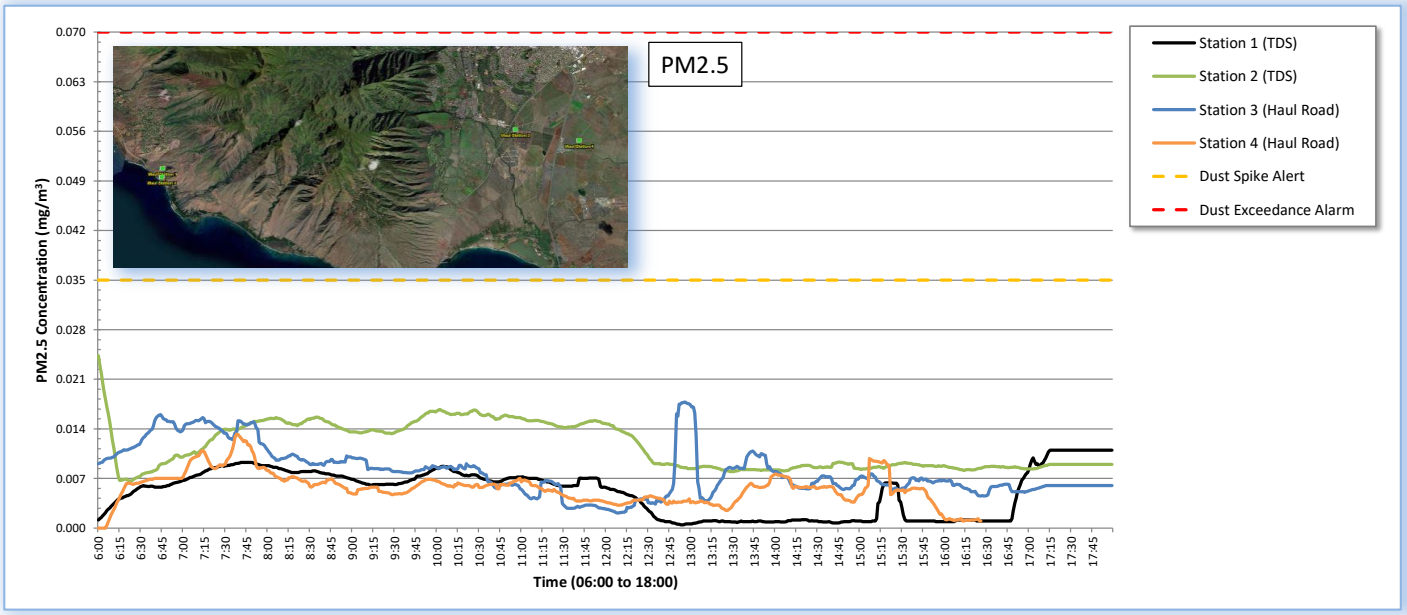
PM2.5 Particulate Summary

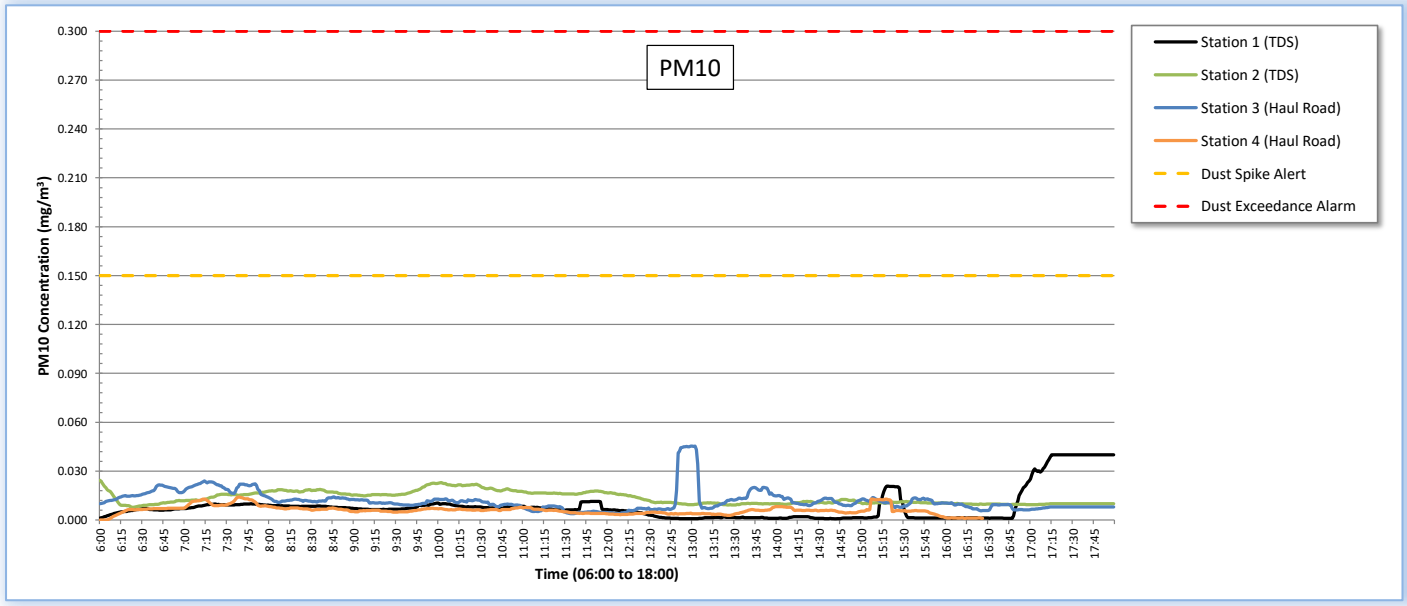
Station ID/Location	Daily Average PM2.5 Conc (mg/m³)	Max PM2.5 Conc (mg/m³)	Time of Max	15-Min Avg PM2.5 Conc (mg/m³)	Max 15-Min PM2.5 Conc (mg/m³)	Time of Max 15-Min Avg
Station 1 (TDS)	0.005	0.033	15:13	0.005	0.011	17:15
Station 2 (TDS)	0.011	0.020	10:26	0.011	0.024	6:00
Station 3 (Haul Road)	0.008	0.105	12:50	0.008	0.018	12:56
Station 4 (Haul Road)	0.006	0.062	15:07	0.006	0.013	7:38

PM10 Particulate Summary

Station ID/Location	Daily Average PM10 Conc (mg/m³)	Max PM10 Conc (mg/m³)	Time of Max	15-Min Avg PM10 Conc (mg/m³)	Max 15-Min PM10 Conc (mg/m³)	Time of Max 15-Min Avg
Station 1 (TDS)	0.009	0.115	15:13	0.008	0.040	17:15
Station 2 (TDS)	0.090	0.027	9:51	0.013	0.024	6:00
Station 3 (Haul Road)	0.012	0.350	12:50	0.012	0.045	13:02
Station 4 (Haul Road)	0.006	0.104	15:07	0.006	0.014	7:38

"--" indicates no data or NA





DEBRIS TRANSPORT AIR MONITORING

MAUI TDS(OLOWALU) TO PDS(CENTRAL)

October 10, 2025

Prepared for
United States Army Corps of Engineers

Prepared by:

ECC Constructors LLC
700 Airport Blvd., Suite 250
Burlingame, CA 94010
Tel: 650.347.1555
Fax: 650.347.8789
Corporate@ecc.net

Debris Transfer Air monitoring: October 10, 2025
Maui TDS (Olowalu) to PDS (Central) Air Monitoring

Summary:

The Air Monitoring and Surveillance Plan includes the use of real-time particulate monitors located in areas around the active debris removal operations. The AMSP has established Daily Project Limits of 70 ug/m3 for particulates in the PM 2.5 size range and 300 ug/m3 for particulates in the PM 10 size range as Daily Average concentrations. The Plan also establishes Operational Control Action Levels at one-half the Project Limit levels to help ensure effectiveness of operational controls.

The data collected by real-time dust monitors is uploaded via cellular telemetry to a cloud-based data management system. In addition to storing the data, the system allows for communications on a real-time basis by text and email, as well as integration and analysis of the data.

The AMSP has established an alert system with criteria so that operational controls can be investigated and, if necessary, adjusted throughout the day so that the particle concentrations remain below the Project Limit. If any 15-minute block average hits an Operational Alert level, the Air Monitoring Team receives an immediate alert which triggers an investigation. If necessary, operational controls can then be immediately adjusted to preclude a Project Limit exceedance.

Weather:

		TDS	Haul Road
Precipitation		No precipitation is observed all day. The skies are partly cloudy all day. Overnight chance of precipitation is 30%	No precipitation observed all day. The skies are partly cloudy. Overnight chance of precipitation is 10%.
Wind Direction		SSW	NE-NNE
Wind Speed	Average	7 mph	14 mph
	Range	5– 13 mph	5–24 mph

Station Location Summary:

Maui Station 1 and Maui Station 2 were set up at the perimeter of the current TDS. Maui station 3 and Station 4 were set up on Haul Road.

Station Data:

No stations exceeded the Project limit or the Action Level for the day.

		Maui Station 1	Maui Station 2	Maui Station 3	Maui Station 4	Project Limit	Action Level
PM 2.5	Avg, ug/M^3	5	12	6	5	70	35
PM 10	Avg, ug/M^3	7	18	11	5	300	150

Monitoring Station Map:

DAILY AIR MONITORING REPORT

Real-Time Particulates

Maui TDS (Olowalu) to PDS (Central) Air Monitoring

10/10/2025

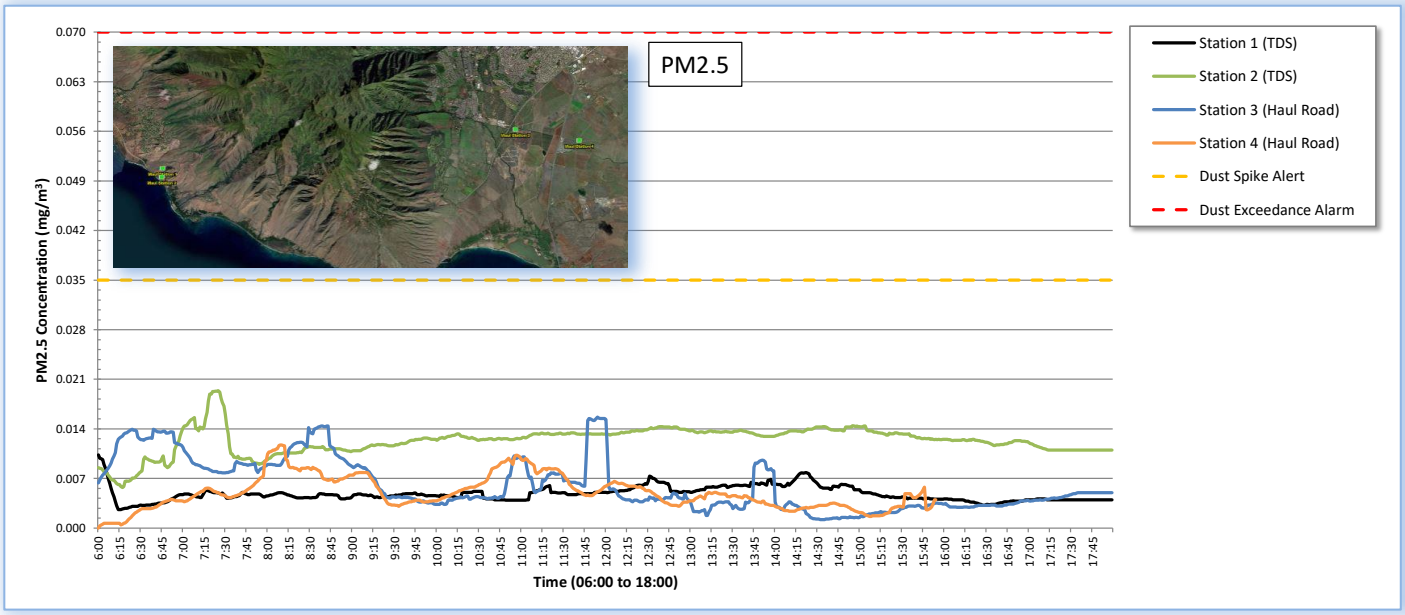
PM2.5 Particulate Summary

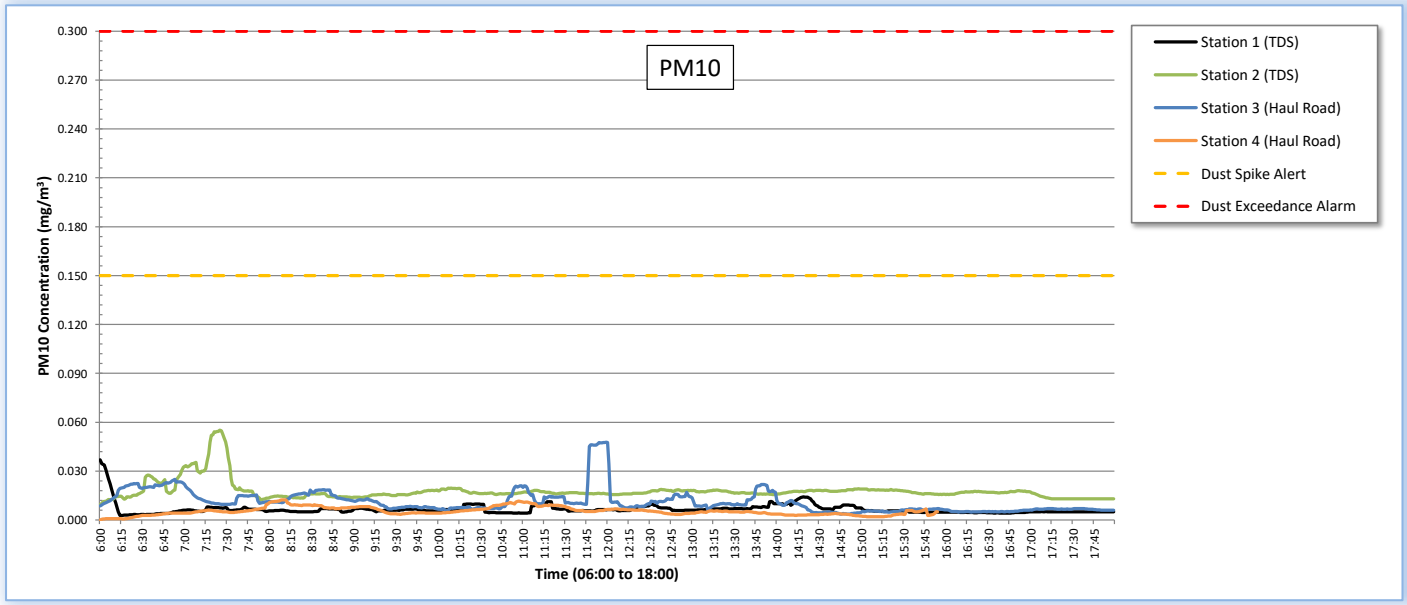
Station ID/Location	Daily Average PM2.5 Conc (mg/m³)	Max PM2.5 Conc (mg/m³)	Time of Max	15-Min Avg PM2.5 Conc (mg/m³)	Max 15-Min PM2.5 Conc (mg/m³)	Time of Max 15-Min Avg
Station 1 (TDS)	0.005	0.019	10:18	0.005	0.010	6:00
Station 2 (TDS)	0.012	0.037	7:18	0.012	0.019	7:25
Station 3 (Haul Road)	0.006	0.089	11:47	0.006	0.016	11:54
Station 4 (Haul Road)	0.005	0.036	7:58	0.005	0.012	8:10

PM10 Particulate Summary

Station ID/Location	Daily Average PM10 Conc (mg/m³)	Max PM10 Conc (mg/m³)	Time of Max	15-Min Avg PM10 Conc (mg/m³)	Max 15-Min PM10 Conc (mg/m³)	Time of Max 15-Min Avg
Station 1 (TDS)	0.006	0.076	10:18	0.007	0.037	6:00
Station 2 (TDS)	0.091	0.138	6:32	0.018	0.055	7:25
Station 3 (Haul Road)	0.011	0.351	11:47	0.011	0.048	11:59
Station 4 (Haul Road)	0.005	0.039	15:32	0.005	0.012	8:09

"--" indicates no data or NA





DEBRIS TRANSPORT AIR MONITORING

MAUI TDS(OLOWALU) TO PDS(CENTRAL)

October 11, 2025

Prepared for
United States Army Corps of Engineers

Prepared by:

ECC Constructors LLC
700 Airport Blvd., Suite 250
Burlingame, CA 94010
Tel: 650.347.1555
Fax: 650.347.8789
Corporate@ecc.net

Debris Transfer Air monitoring: October 11, 2025
Maui TDS (Olowalu) to PDS (Central) Air Monitoring

Summary:

The Air Monitoring and Surveillance Plan includes the use of real-time particulate monitors located in areas around the active debris removal operations. The AMSP has established Daily Project Limits of 70 ug/m3 for particulates in the PM 2.5 size range and 300 ug/m3 for particulates in the PM 10 size range as Daily Average concentrations. The Plan also establishes Operational Control Action Levels at one-half the Project Limit levels to help ensure effectiveness of operational controls.

The data collected by real-time dust monitors is uploaded via cellular telemetry to a cloud-based data management system. In addition to storing the data, the system allows for communications on a real-time basis by text and email, as well as integration and analysis of the data.

The AMSP has established an alert system with criteria so that operational controls can be investigated and, if necessary, adjusted throughout the day so that the particle concentrations remain below the Project Limit. If any 15-minute block average hits an Operational Alert level, the Air Monitoring Team receives an immediate alert which triggers an investigation. If necessary, operational controls can then be immediately adjusted to preclude a Project Limit exceedance.

Weather:

		TDS	Haul Road
Precipitation		No precipitation is observed all day. The skies are partly cloudy all day. Overnight chance of precipitation is 10%	No precipitation is observed all day. The skies are partly cloudy. Overnight chance of precipitation is 10%.
Wind Direction		NE	NE-NE
Wind Speed	Average	8 mph	16 mph
	Range	5– 14 mph	5–25 mph

Station Location Summary:

Maui Station 1 and Maui Station 2 were set up at the perimeter of the current TDS. Maui station 3 and Station 4 were set up on Haul Road.

Station Data:

No stations exceeded the Project limit or the Action Level for the day.

		Maui Station 1	Maui Station 2	Maui Station 3	Maui Station 4	Project Limit	Action Level
PM 2.5	Avg, ug/M^3	5	11	5	4	70	35
PM 10	Avg, ug/M^3	6	15	10	5	300	150

Monitoring Station Map:

DAILY AIR MONITORING REPORT

Real-Time Particulates

Maui TDS (Olowalu) to PDS (Central) Air Monitoring

10/11/2025

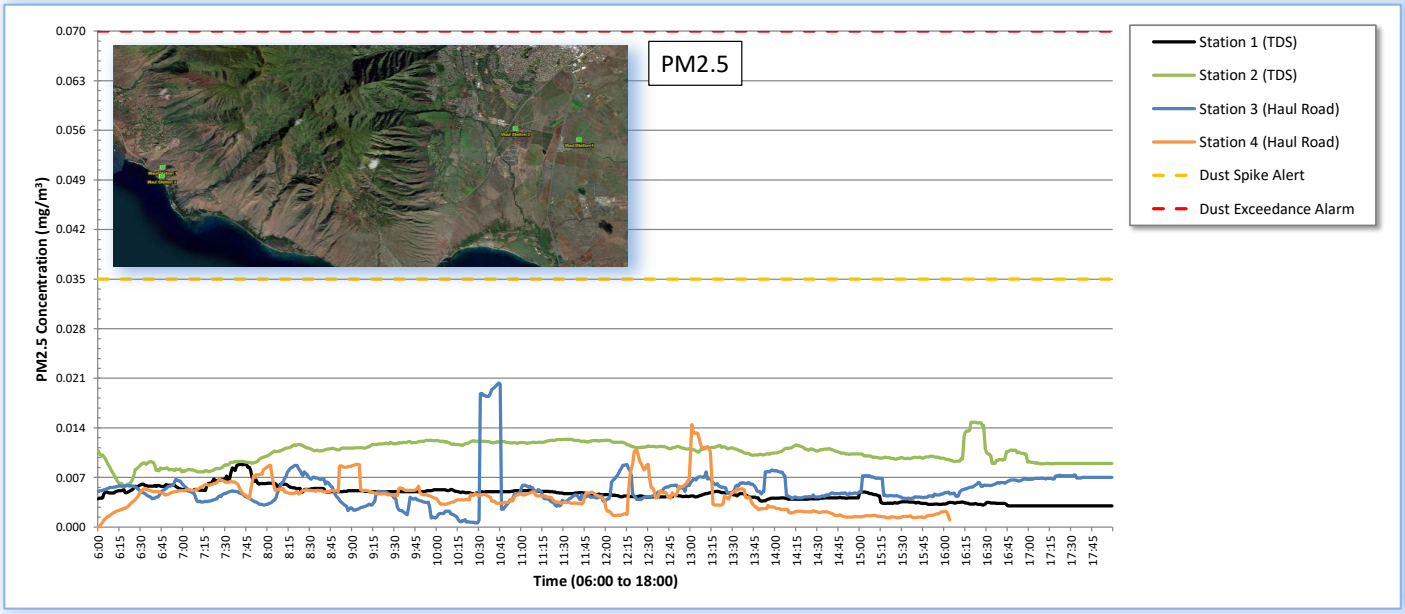
PM2.5 Particulate Summary

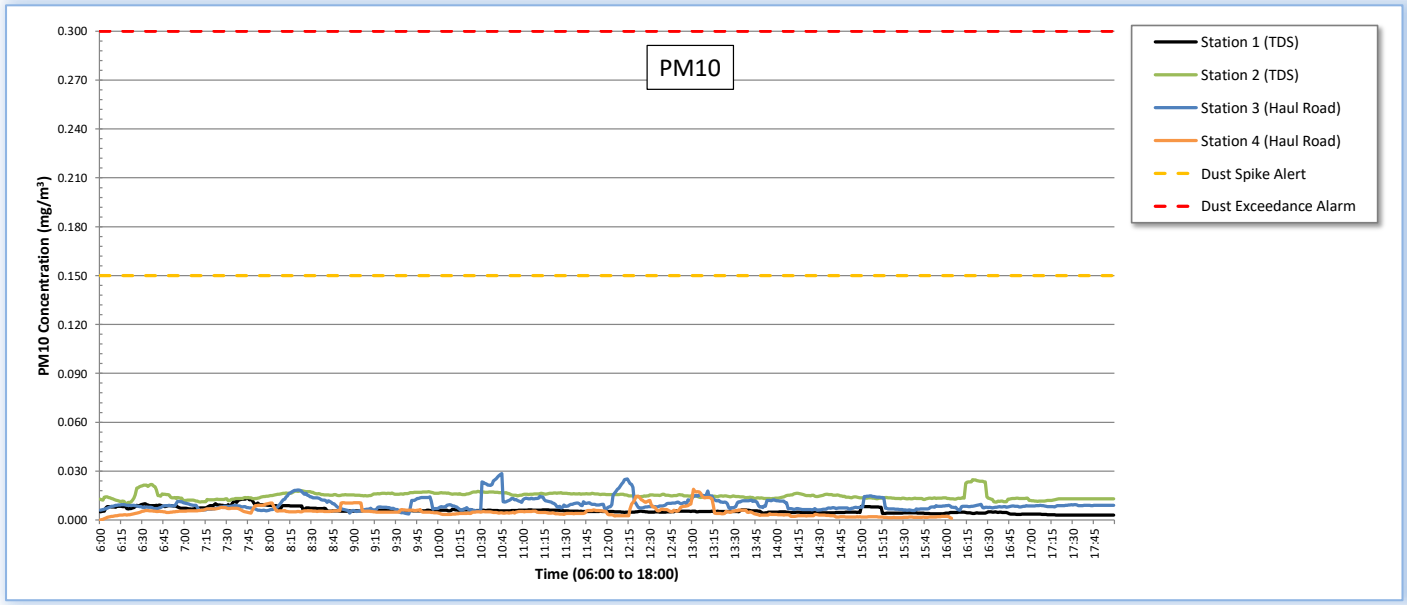
Station ID/Location	Daily Average PM2.5 Conc (mg/m³)	Max PM2.5 Conc (mg/m³)	Time of Max	15-Min Avg PM2.5 Conc (mg/m³)	Max 15-Min PM2.5 Conc (mg/m³)	Time of Max 15-Min Avg
Station 1 (TDS)	0.005	0.019	7:34	0.005	0.009	7:44
Station 2 (TDS)	0.011	0.058	16:14	0.011	0.015	16:20
Station 3 (Haul Road)	0.005	0.267	10:31	0.005	0.020	10:44
Station 4 (Haul Road)	0.004	0.062	13:01	0.004	0.014	13:01

PM10 Particulate Summary

Station ID/Location	Daily Average PM10 Conc (mg/m³)	Max PM10 Conc (mg/m³)	Time of Max	15-Min Avg PM10 Conc (mg/m³)	Max 15-Min PM10 Conc (mg/m³)	Time of Max 15-Min Avg
Station 1 (TDS)	0.006	0.061	15:00	0.006	0.013	7:44
Station 2 (TDS)	0.090	0.149	16:14	0.015	0.025	16:19
Station 3 (Haul Road)	0.010	0.270	10:31	0.010	0.028	10:45
Station 4 (Haul Road)	0.005	0.078	8:51	0.005	0.019	13:01

"--" indicates no data or NA





DEBRIS TRANSPORT AIR MONITORING

MAUI TDS(OLOWALU) TO PDS(CENTRAL) BACKGROUND

October 12, 2025

Prepared for
United States Army Corps of Engineers

Prepared by:

ECC Constructors LLC
700 Airport Blvd., Suite 250
Burlingame, CA 94010
Tel: 650.347.1555
Fax: 650.347.8789
Corporate@ecc.net

Debris Transfer Air monitoring: October 12, 2025
Maui TDS (Olowalu) to PDS (Central) Air Monitoring-Background

Summary:

The Air Monitoring and Surveillance Plan includes the use of real-time particulate monitors located in areas around the active debris removal operations. The AMSP has established Daily Project Limits of 70 ug/m3 for particulates in the PM 2.5 size range and 300 ug/m3 for particulates in the PM 10 size range as Daily Average concentrations. The Plan also establishes Operational Control Action Levels at one-half the Project Limit levels to help ensure effectiveness of operational controls.

The data collected by real-time dust monitors is uploaded via cellular telemetry to a cloud-based data management system. In addition to storing the data, the system allows for communications on a real-time basis by text and email, as well as integration and analysis of the data.

The AMSP has established an alert system with criteria so that operational controls can be investigated and, if necessary, adjusted throughout the day so that the particle concentrations remain below the Project Limit. If any 15-minute block average hits an Operational Alert level, the Air Monitoring Team receives an immediate alert which triggers an investigation. If necessary, operational controls can then be immediately adjusted to preclude a Project Limit exceedance.

Station Location Summary:

Maui Station 1 and Maui Station 2 were set up at the perimeter of the current TDS. Maui station 3 was set up on Haul Road. No activity occurred onsite today. Temporary Maui Station 4 was not deployed.

Station Data:

No stations exceeded the Project limit or the Action Level for the day.

		Maui Station 1	Maui Station 2	Maui Station 3	Maui Station 4	Project Limit	Action Level
PM 2.5	Avg, ug/M^3	3	7	6	--	70	35
PM 10	Avg, ug/M^3	4	8	8	--	300	150

Monitoring Station Map:

DAILY AIR MONITORING REPORT - BACKGROUND

Real-Time Particulates

Maui TDS (Olowalu) to PDS (Central) Air Monitoring

10/12/2025

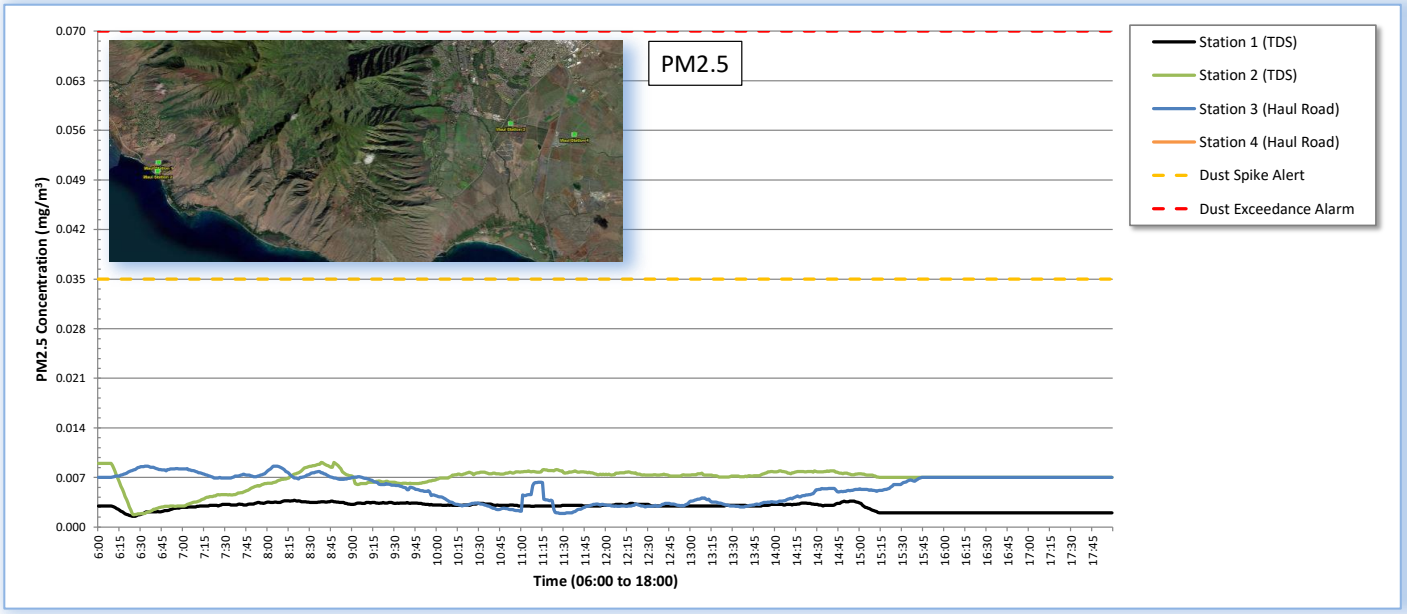
PM2.5 Particulate Summary

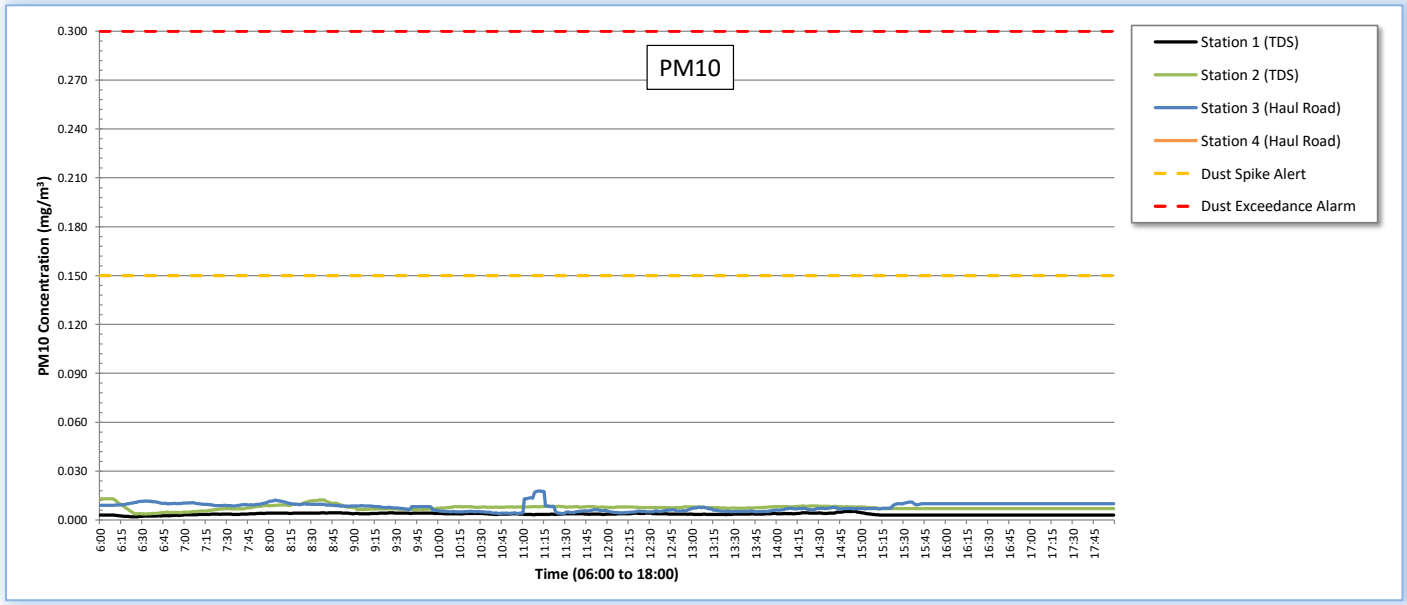
Station ID/Location	Daily Average PM2.5 Conc (mg/m³)	Max PM2.5 Conc (mg/m³)	Time of Max	15-Min Avg PM2.5 Conc (mg/m³)	Max 15-Min PM2.5 Conc (mg/m³)	Time of Max 15-Min Avg
Station 1 (TDS)	0.003	0.006	14:47	0.003	0.004	8:19
Station 2 (TDS)	0.007	0.019	8:47	0.007	0.009	8:47
Station 3 (Haul Road)	0.006	0.037	11:01	0.006	0.009	6:33
Station 4 (Haul Road)	--	--	--	--	--	--

PM10 Particulate Summary

Station ID/Location	Daily Average PM10 Conc (mg/m³)	Max PM10 Conc (mg/m³)	Time of Max	15-Min Avg PM10 Conc (mg/m³)	Max 15-Min PM10 Conc (mg/m³)	Time of Max 15-Min Avg
Station 1 (TDS)	0.004	0.011	14:42	0.004	0.005	14:55
Station 2 (TDS)	0.107	0.021	8:47	0.008	0.013	6:00
Station 3 (Haul Road)	0.008	0.134	11:01	0.008	0.018	11:12
Station 4 (Haul Road)	--	--	--	--	--	--

"--" indicates no data or NA





DEBRIS TRANSPORT AIR MONITORING

MAUI TDS(OLOWALU) TO PDS(CENTRAL)

October 13, 2025

Prepared for
United States Army Corps of Engineers

Prepared by:

ECC Constructors LLC
700 Airport Blvd., Suite 250
Burlingame, CA 94010
Tel: 650.347.1555
Fax: 650.347.8789
Corporate@ecc.net

Debris Transfer Air monitoring: October 13, 2025
Maui TDS (Olowalu) to PDS (Central) Air Monitoring

Summary:

The Air Monitoring and Surveillance Plan includes the use of real-time particulate monitors located in areas around the active debris removal operations. The AMSP has established Daily Project Limits of 70 ug/m3 for particulates in the PM 2.5 size range and 300 ug/m3 for particulates in the PM 10 size range as Daily Average concentrations. The Plan also establishes Operational Control Action Levels at one-half the Project Limit levels to help ensure effectiveness of operational controls.

The data collected by real-time dust monitors is uploaded via cellular telemetry to a cloud-based data management system. In addition to storing the data, the system allows for communications on a real-time basis by text and email, as well as integration and analysis of the data.

The AMSP has established an alert system with criteria so that operational controls can be investigated and, if necessary, adjusted throughout the day so that the particle concentrations remain below the Project Limit. If any 15-minute block average hits an Operational Alert level, the Air Monitoring Team receives an immediate alert which triggers an investigation. If necessary, operational controls can then be immediately adjusted to preclude a Project Limit exceedance.

Weather:

		TDS	Haul Road
Precipitation		No precipitation is observed all day. The skies are partly cloudy all day. Overnight chance of precipitation is 10%	No precipitation is observed all day. The skies are partly cloudy. Overnight chance of precipitation is 20%.
Wind Direction		NNE	NE-NNE
Wind Speed	Average	7 mph	15 mph
	Range	5– 13 mph	5–30 mph

Station Location Summary:

Maui Station 1 and Maui Station 2 were set up at the perimeter of the current TDS. Maui station 3 and Station 4 were set up on Haul Road.

Station Data:

No stations exceeded the Project limit or the Action Level for the day.

		Maui Station 1	Maui Station 2	Maui Station 3	Maui Station 4	Project Limit	Action Level
PM 2.5	Avg, ug/M^3	3	7	6	2	70	35
PM 10	Avg, ug/M^3	5	8	12	2	300	150

Monitoring Station Map:

DAILY AIR MONITORING REPORT

Real-Time Particulates

Maui TDS (Olowalu) to PDS (Central) Air Monitoring

10/13/2025

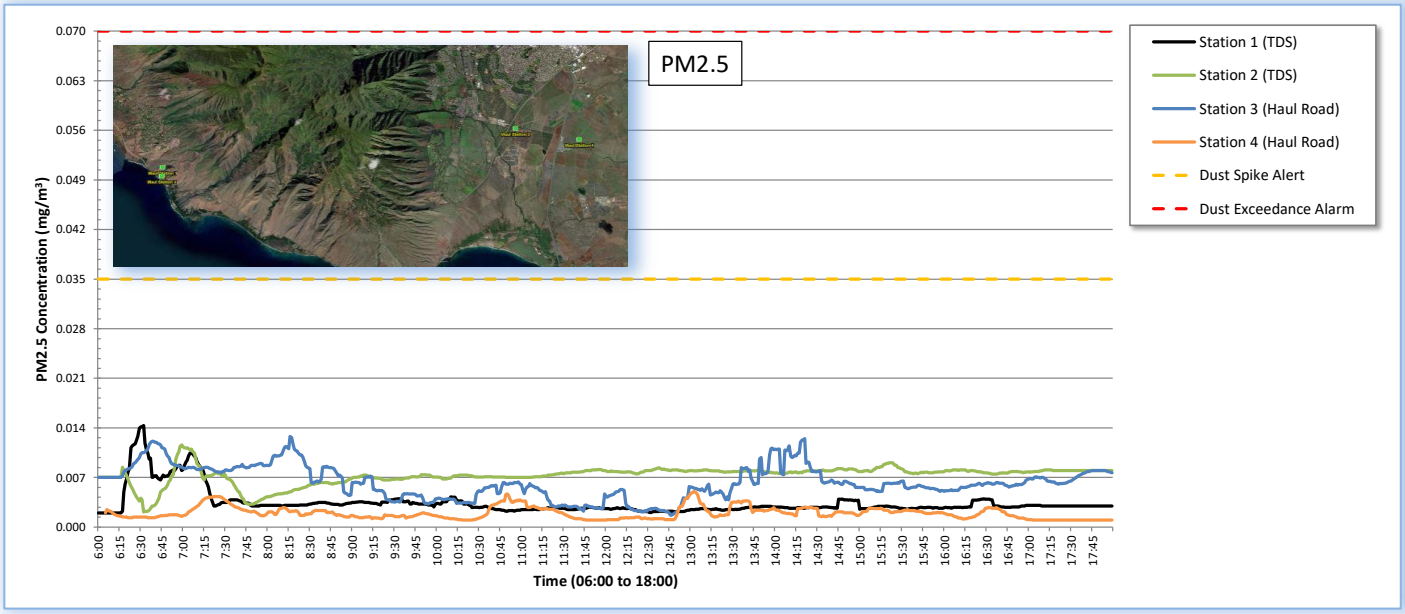
PM2.5 Particulate Summary

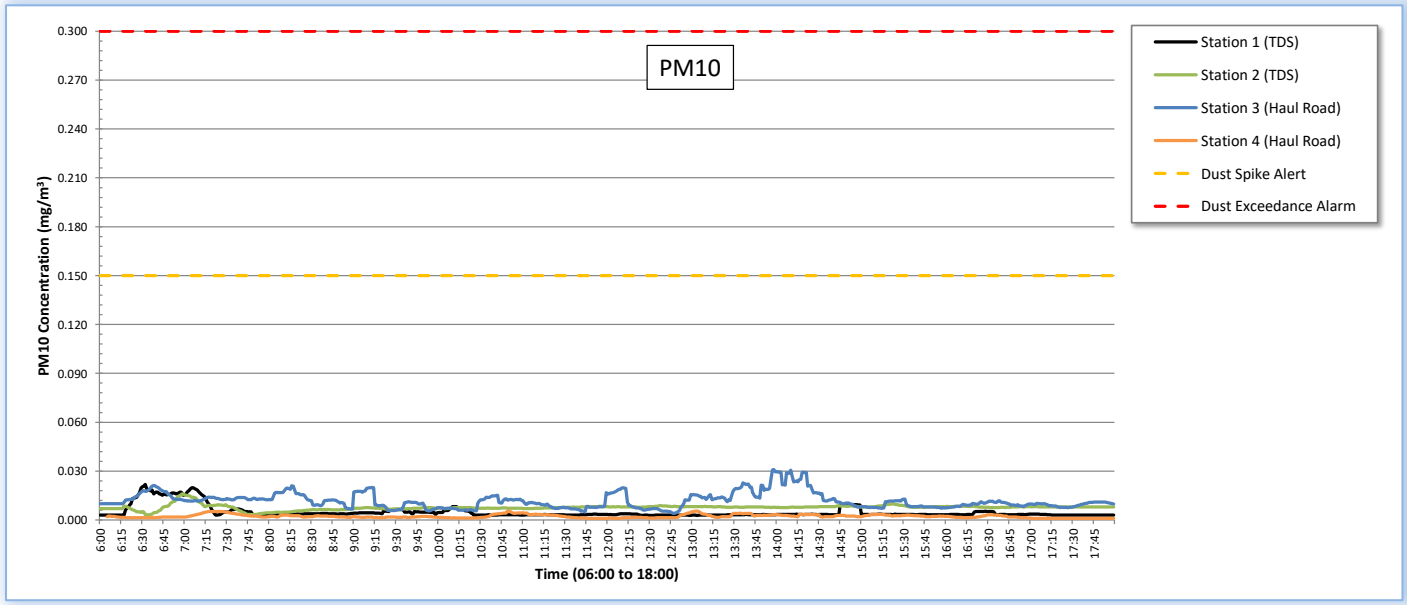
Station ID/Location	Daily Average PM2.5 Conc (mg/m³)	Max PM2.5 Conc (mg/m³)	Time of Max	15-Min Avg PM2.5 Conc (mg/m³)	Max 15-Min PM2.5 Conc (mg/m³)	Time of Max 15-Min Avg
Station 1 (TDS)	0.003	0.047	6:23	0.003	0.014	6:32
Station 2 (TDS)	0.007	0.029	6:17	0.007	0.012	6:59
Station 3 (Haul Road)	0.006	0.057	14:07	0.006	0.013	8:16
Station 4 (Haul Road)	0.002	0.017	13:28	0.002	0.005	13:02

PM10 Particulate Summary

Station ID/Location	Daily Average PM10 Conc (mg/m³)	Max PM10 Conc (mg/m³)	Time of Max	15-Min Avg PM10 Conc (mg/m³)	Max 15-Min PM10 Conc (mg/m³)	Time of Max 15-Min Avg
Station 1 (TDS)	0.005	0.095	14:45	0.005	0.022	6:32
Station 2 (TDS)	0.086	0.030	6:17	0.008	0.016	6:58
Station 3 (Haul Road)	0.012	0.165	9:00	0.012	0.031	13:58
Station 4 (Haul Road)	0.002	0.022	14:16	0.002	0.005	13:03

"--" indicates no data or NA





DEBRIS TRANSPORT AIR MONITORING

MAUI TDS(OLOWALU) TO PDS(CENTRAL)

October 14, 2025

Prepared for
United States Army Corps of Engineers

Prepared by:

ECC Constructors LLC
700 Airport Blvd., Suite 250
Burlingame, CA 94010
Tel: 650.347.1555
Fax: 650.347.8789
Corporate@ecc.net

Debris Transfer Air monitoring: October 14, 2025
Maui TDS (Olowalu) to PDS (Central) Air Monitoring

Summary:

The Air Monitoring and Surveillance Plan includes the use of real-time particulate monitors located in areas around the active debris removal operations. The AMSP has established Daily Project Limits of 70 ug/m3 for particulates in the PM 2.5 size range and 300 ug/m3 for particulates in the PM 10 size range as Daily Average concentrations. The Plan also establishes Operational Control Action Levels at one-half the Project Limit levels to help ensure effectiveness of operational controls.

The data collected by real-time dust monitors is uploaded via cellular telemetry to a cloud-based data management system. In addition to storing the data, the system allows for communications on a real-time basis by text and email, as well as integration and analysis of the data.

The AMSP has established an alert system with criteria so that operational controls can be investigated and, if necessary, adjusted throughout the day so that the particle concentrations remain below the Project Limit. If any 15-minute block average hits an Operational Alert level, the Air Monitoring Team receives an immediate alert which triggers an investigation. If necessary, operational controls can then be immediately adjusted to preclude a Project Limit exceedance.

Weather:

		TDS	Haul Road
Precipitation		No precipitation is observed all day. The skies are partly cloudy all day. Overnight chance of precipitation is 10%	No precipitation is observed all day. The skies are partly cloudy. Overnight chance of precipitation is 20%.
Wind Direction		NNE	N-NNE
Wind Speed	Average	7 mph	17 mph
	Range	5– 13 mph	5–30 mph

Station Location Summary:

Maui Station 1 and Maui Station 2 were set up at the perimeter of the current TDS. Maui station 3 and Station 4 were set up on Haul Road.

Station Data:

No stations exceeded the Project limit or the Action Level for the day.

		Maui Station 1	Maui Station 2	Maui Station 3	Maui Station 4	Project Limit	Action Level
PM 2.5	Avg, ug/M^3	4	9	9	4	70	35
PM 10	Avg, ug/M^3	5	9	19	4	300	150

Monitoring Station Map:

DAILY AIR MONITORING REPORT

Real-Time Particulates

Maui TDS (Olowalu) to PDS (Central) Air Monitoring

10/14/2025

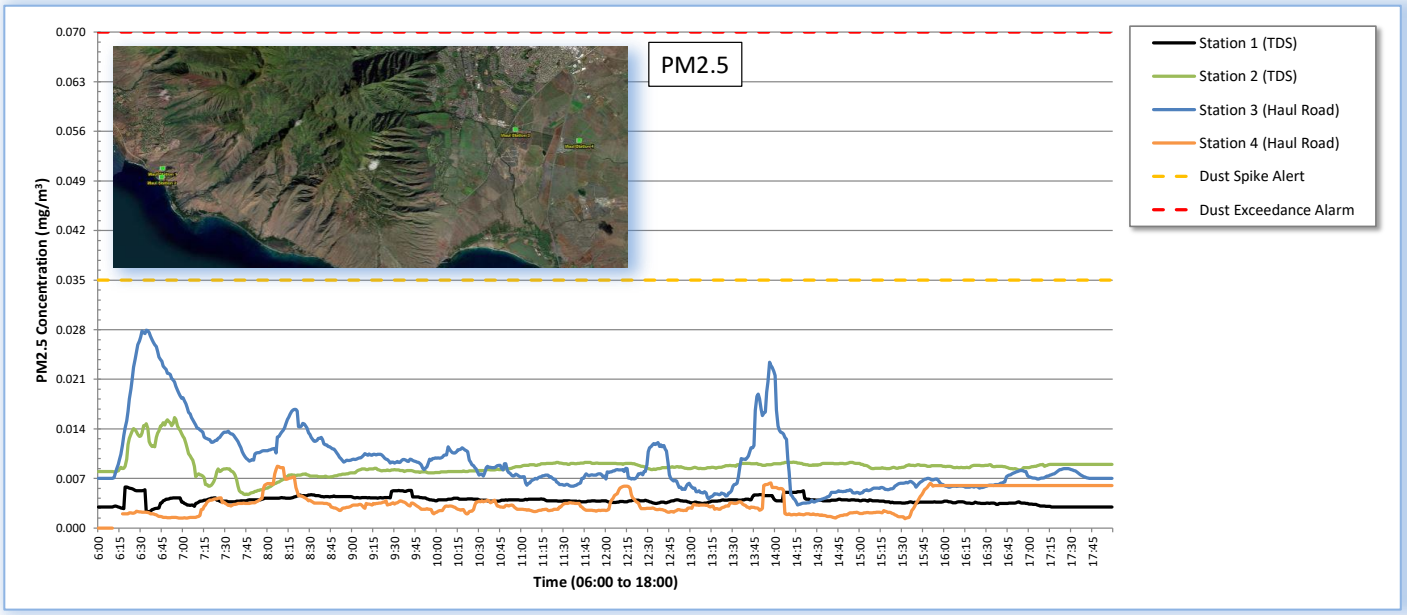
PM2.5 Particulate Summary

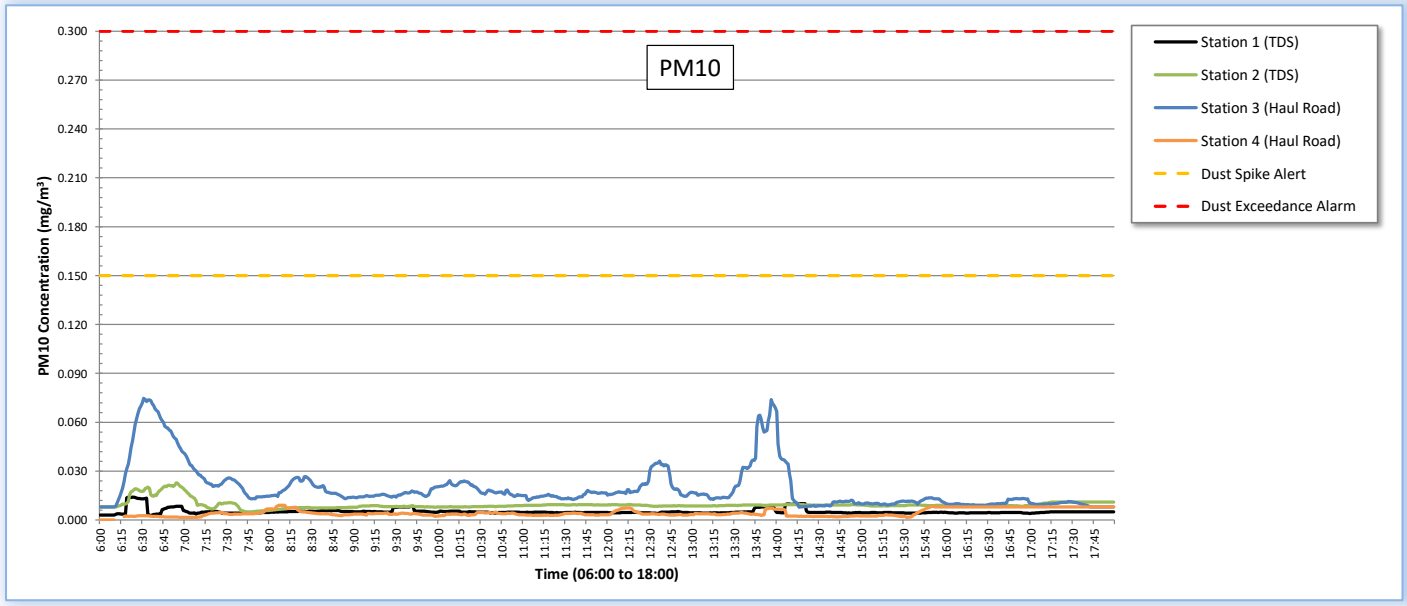
Station ID/Location	Daily Average PM2.5 Conc (mg/m³)	Max PM2.5 Conc (mg/m³)	Time of Max	15-Min Avg PM2.5 Conc (mg/m³)	Max 15-Min PM2.5 Conc (mg/m³)	Time of Max 15-Min Avg
Station 1 (TDS)	0.004	0.049	6:19	0.004	0.006	6:20
Station 2 (TDS)	0.009	0.039	6:21	0.009	0.016	6:54
Station 3 (Haul Road)	0.009	0.083	13:46	0.009	0.028	6:34
Station 4 (Haul Road)	0.004	0.050	13:52	0.004	0.009	8:07

PM10 Particulate Summary

Station ID/Location	Daily Average PM10 Conc (mg/m³)	Max PM10 Conc (mg/m³)	Time of Max	15-Min Avg PM10 Conc (mg/m³)	Max 15-Min PM10 Conc (mg/m³)	Time of Max 15-Min Avg
Station 1 (TDS)	0.005	0.155	6:19	0.005	0.014	6:20
Station 2 (TDS)	0.088	0.071	6:21	0.009	0.023	6:54
Station 3 (Haul Road)	0.019	0.326	13:46	0.019	0.075	6:31
Station 4 (Haul Road)	0.004	0.056	13:52	0.004	0.009	8:07

"--" indicates no data or NA





DEBRIS TRANSPORT AIR MONITORING

MAUI TDS(OLOWALU) TO PDS(CENTRAL)

October 15, 2025

Prepared for
United States Army Corps of Engineers

Prepared by:

ECC Constructors LLC
700 Airport Blvd., Suite 250
Burlingame, CA 94010
Tel: 650.347.1555
Fax: 650.347.8789
Corporate@ecc.net

Debris Transfer Air monitoring: October 15, 2025
Maui TDS (Olowalu) to PDS (Central) Air Monitoring

Summary:

The Air Monitoring and Surveillance Plan includes the use of real-time particulate monitors located in areas around the active debris removal operations. The AMSP has established Daily Project Limits of 70 ug/m3 for particulates in the PM 2.5 size range and 300 ug/m3 for particulates in the PM 10 size range as Daily Average concentrations. The Plan also establishes Operational Control Action Levels at one-half the Project Limit levels to help ensure effectiveness of operational controls.

The data collected by real-time dust monitors is uploaded via cellular telemetry to a cloud-based data management system. In addition to storing the data, the system allows for communications on a real-time basis by text and email, as well as integration and analysis of the data.

The AMSP has established an alert system with criteria so that operational controls can be investigated and, if necessary, adjusted throughout the day so that the particle concentrations remain below the Project Limit. If any 15-minute block average hits an Operational Alert level, the Air Monitoring Team receives an immediate alert which triggers an investigation. If necessary, operational controls can then be immediately adjusted to preclude a Project Limit exceedance.

Weather:

		TDS	Haul Road
Precipitation		No precipitation is observed all day. The skies are partly cloudy all day. Overnight chance of precipitation is 10%	No precipitation is observed all day. The skies are partly cloudy. Overnight chance of precipitation is 20%.
Wind Direction		NE	NE-NNE
Wind Speed	Average	9 mph	18 mph
	Range	7– 15 mph	5–28 mph

Station Location Summary:

Maui Station 1 and Maui Station 2 were set up at the perimeter of the current TDS. Maui station 3 and Station 4 were set up on Haul Road.

Station Data:

No stations exceeded the Project limit or the Action Level for the day.

		Maui Station 1	Maui Station 2	Maui Station 3	Maui Station 4	Project Limit	Action Level
PM 2.5	Avg, ug/M^3	4	7	9	3	70	35
PM 10	Avg, ug/M^3	5	8	18	4	300	150

Monitoring Station Map:

DAILY AIR MONITORING REPORT

Real-Time Particulates

Maui TDS (Olowalu) to PDS (Central) Air Monitoring

10/15/2025

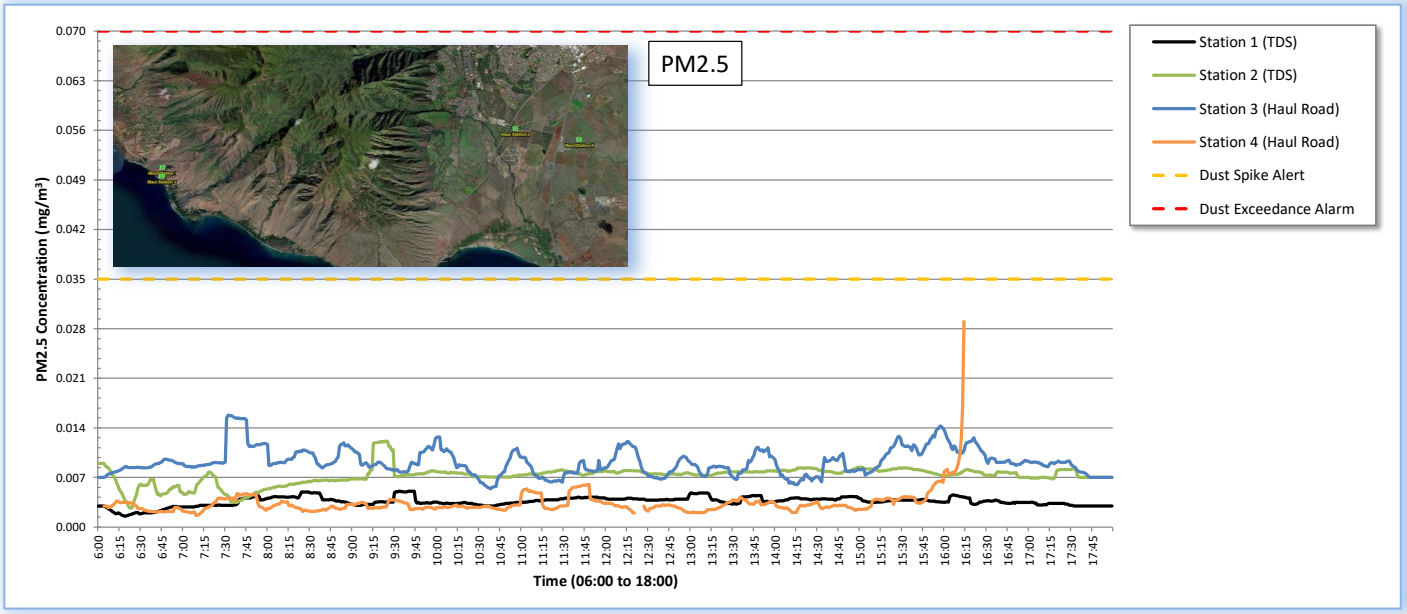
PM2.5 Particulate Summary

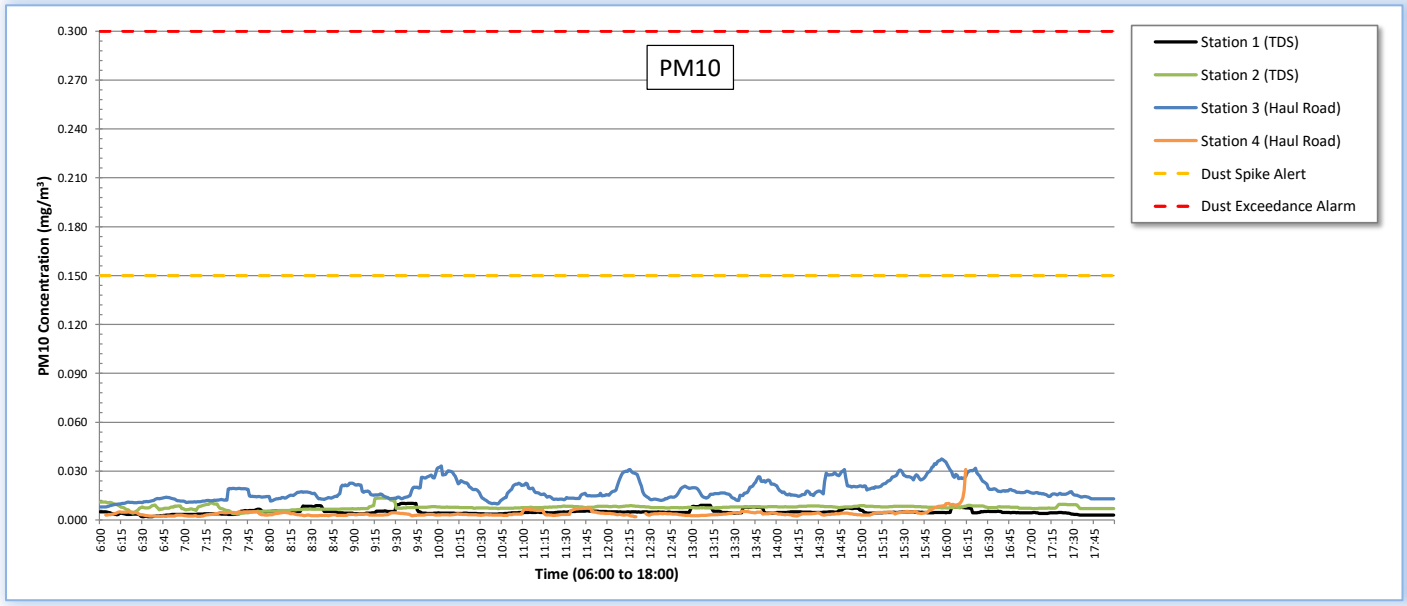
Station ID/Location	Daily Average PM2.5 Conc (mg/m³)	Max PM2.5 Conc (mg/m³)	Time of Max	15-Min Avg PM2.5 Conc (mg/m³)	Max 15-Min PM2.5 Conc (mg/m³)	Time of Max 15-Min Avg
Station 1 (TDS)	0.004	0.023	9:30	0.004	0.005	9:40
Station 2 (TDS)	0.007	0.063	9:15	0.007	0.012	9:24
Station 3 (Haul Road)	0.009	0.103	7:31	0.009	0.016	7:32
Station 4 (Haul Road)	0.003	0.034	11:34	0.003	0.029	16:14

PM10 Particulate Summary

Station ID/Location	Daily Average PM10 Conc (mg/m³)	Max PM10 Conc (mg/m³)	Time of Max	15-Min Avg PM10 Conc (mg/m³)	Max 15-Min PM10 Conc (mg/m³)	Time of Max 15-Min Avg
Station 1 (TDS)	0.005	0.063	9:30	0.005	0.010	9:40
Station 2 (TDS)	0.090	0.075	9:15	0.008	0.013	9:19
Station 3 (Haul Road)	0.018	0.125	14:34	0.018	0.037	15:57
Station 4 (Haul Road)	0.004	0.038	11:34	0.004	0.031	16:14

"--" indicates no data or NA





DEBRIS TRANSPORT AIR MONITORING

MAUI TDS(OLOWALU) TO PDS(CENTRAL)

October 16, 2025

Prepared for
United States Army Corps of Engineers

Prepared by:

ECC Constructors LLC
700 Airport Blvd., Suite 250
Burlingame, CA 94010
Tel: 650.347.1555
Fax: 650.347.8789
Corporate@ecc.net

Debris Transfer Air monitoring: October 16, 2025
Maui TDS (Olowalu) to PDS (Central) Air Monitoring

Summary:

The Air Monitoring and Surveillance Plan includes the use of real-time particulate monitors located in areas around the active debris removal operations. The AMSP has established Daily Project Limits of 70 ug/m3 for particulates in the PM 2.5 size range and 300 ug/m3 for particulates in the PM 10 size range as Daily Average concentrations. The Plan also establishes Operational Control Action Levels at one-half the Project Limit levels to help ensure effectiveness of operational controls.

The data collected by real-time dust monitors is uploaded via cellular telemetry to a cloud-based data management system. In addition to storing the data, the system allows for communications on a real-time basis by text and email, as well as integration and analysis of the data.

The AMSP has established an alert system with criteria so that operational controls can be investigated and, if necessary, adjusted throughout the day so that the particle concentrations remain below the Project Limit. If any 15-minute block average hits an Operational Alert level, the Air Monitoring Team receives an immediate alert which triggers an investigation. If necessary, operational controls can then be immediately adjusted to preclude a Project Limit exceedance.

Weather:

		TDS	Haul Road
Precipitation		No precipitation is observed all day. The skies are mostly cloudy and cloudy. Overnight chance of precipitation is 10%.	No precipitation is observed all day. The skies are partly cloudy. Overnight chance of precipitation is 20%.
Wind Direction		NW	NE-NNE
Wind Speed	Average	9 mph	17 mph
	Range	5– 16 mph	5–29 mph

Station Location Summary:

Maui Station 1 and Maui Station 2 were set up at the perimeter of the current TDS. Maui station 3 and Station 4 were set up on Haul Road.

Station Data:

No stations exceeded the Project limit or the Action Level for the day.

		Maui Station 1	Maui Station 2	Maui Station 3	Maui Station 4	Project Limit	Action Level
PM 2.5	Avg, ug/M^3	4	6	9	3	70	35
PM 10	Avg, ug/M^3	5	7	18	3	300	150

Monitoring Station Map:

DAILY AIR MONITORING REPORT

Real-Time Particulates

Maui TDS (Olowalu) to PDS (Central) Air Monitoring

10/16/2025

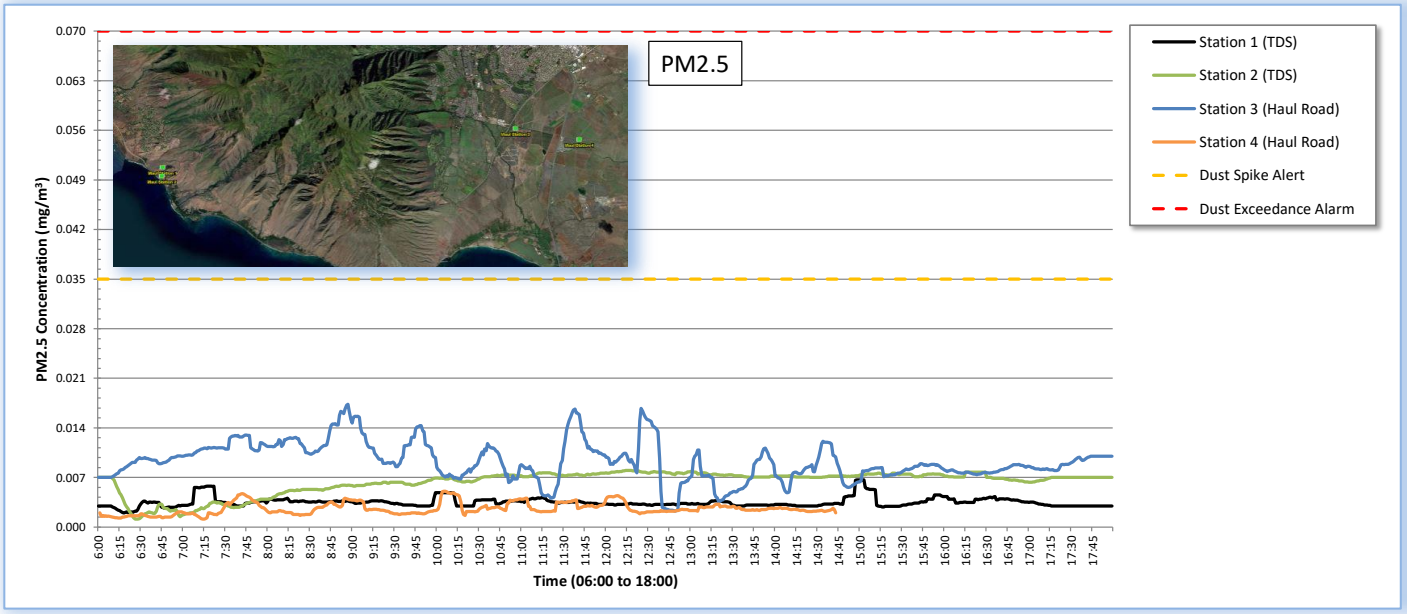
PM2.5 Particulate Summary

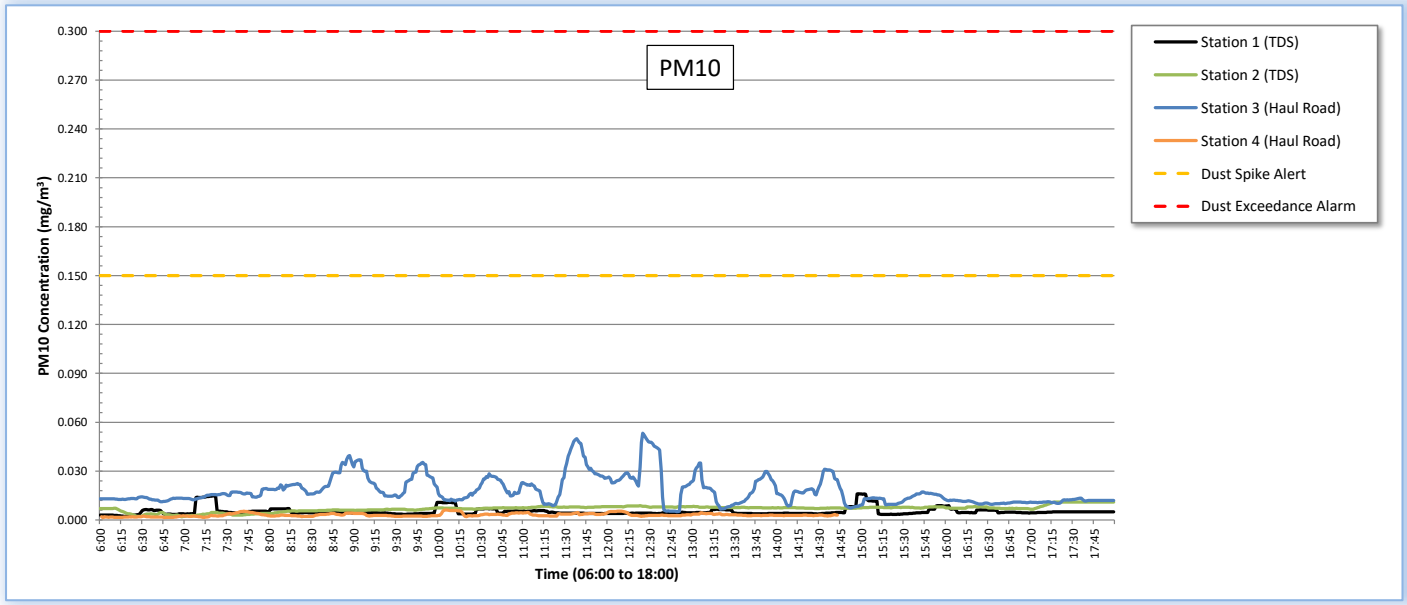
Station ID/Location	Daily Average PM2.5 Conc (mg/m³)	Max PM2.5 Conc (mg/m³)	Time of Max	15-Min Avg PM2.5 Conc (mg/m³)	Max 15-Min PM2.5 Conc (mg/m³)	Time of Max 15-Min Avg
Station 1 (TDS)	0.004	0.038	7:08	0.004	0.007	15:00
Station 2 (TDS)	0.006	0.018	16:15	0.006	0.008	12:14
Station 3 (Haul Road)	0.009	0.071	12:24	0.009	0.017	8:57
Station 4 (Haul Road)	0.003	0.021	11:25	0.003	0.005	10:05

PM10 Particulate Summary

Station ID/Location	Daily Average PM10 Conc (mg/m³)	Max PM10 Conc (mg/m³)	Time of Max	15-Min Avg PM10 Conc (mg/m³)	Max 15-Min PM10 Conc (mg/m³)	Time of Max 15-Min Avg
Station 1 (TDS)	0.005	0.153	7:08	0.005	0.016	14:58
Station 2 (TDS)	0.092	0.018	16:15	0.007	0.011	17:17
Station 3 (Haul Road)	0.018	0.251	12:24	0.018	0.053	12:25
Station 4 (Haul Road)	0.003	0.023	10:03	0.003	0.006	10:05

"--" indicates no data or NA





DEBRIS TRANSPORT AIR MONITORING

MAUI TDS(OLOWALU) TO PDS(CENTRAL)

October 17, 2025

Prepared for
United States Army Corps of Engineers

Prepared by:

ECC Constructors LLC
700 Airport Blvd., Suite 250
Burlingame, CA 94010
Tel: 650.347.1555
Fax: 650.347.8789
Corporate@ecc.net

Debris Transfer Air monitoring: October 17, 2025
Maui TDS (Olowalu) to PDS (Central) Air Monitoring

Summary:

The Air Monitoring and Surveillance Plan includes the use of real-time particulate monitors located in areas around the active debris removal operations. The AMSP has established Daily Project Limits of 70 ug/m3 for particulates in the PM 2.5 size range and 300 ug/m3 for particulates in the PM 10 size range as Daily Average concentrations. The Plan also establishes Operational Control Action Levels at one-half the Project Limit levels to help ensure effectiveness of operational controls.

The data collected by real-time dust monitors is uploaded via cellular telemetry to a cloud-based data management system. In addition to storing the data, the system allows for communications on a real-time basis by text and email, as well as integration and analysis of the data.

The AMSP has established an alert system with criteria so that operational controls can be investigated and, if necessary, adjusted throughout the day so that the particle concentrations remain below the Project Limit. If any 15-minute block average hits an Operational Alert level, the Air Monitoring Team receives an immediate alert which triggers an investigation. If necessary, operational controls can then be immediately adjusted to preclude a Project Limit exceedance.

Weather:

		TDS	Haul Road
Precipitation		No precipitation was observed all day. The skies were mostly cloudy. Overnight chance of precipitation is 10%.	No precipitation is observed all day. The skies were mostly cloudy. Overnight chance of precipitation is 10%.
Wind Direction		NE	NE-NNE
Wind Speed	Average	10 mph	19 mph
	Range	5– 22 mph	5–32 mph

Station Location Summary:

Maui Station 1 and Maui Station 2 were set up at the perimeter of the current TDS. Maui station 3 and Station 4 were set up on Haul Road.

Station Data:

No stations exceeded the Project limit or the Action Level for the day.

		Maui Station 1	Maui Station 2	Maui Station 3	Maui Station 4	Project Limit	Action Level
PM 2.5	Avg, ug/M^3	4	7	13	4	70	35
PM 10	Avg, ug/M^3	8	8	28	4	300	150

Monitoring Station Map:

DAILY AIR MONITORING REPORT

Real-Time Particulates

Maui TDS (Olowalu) to PDS (Central) Air Monitoring

10/17/2025

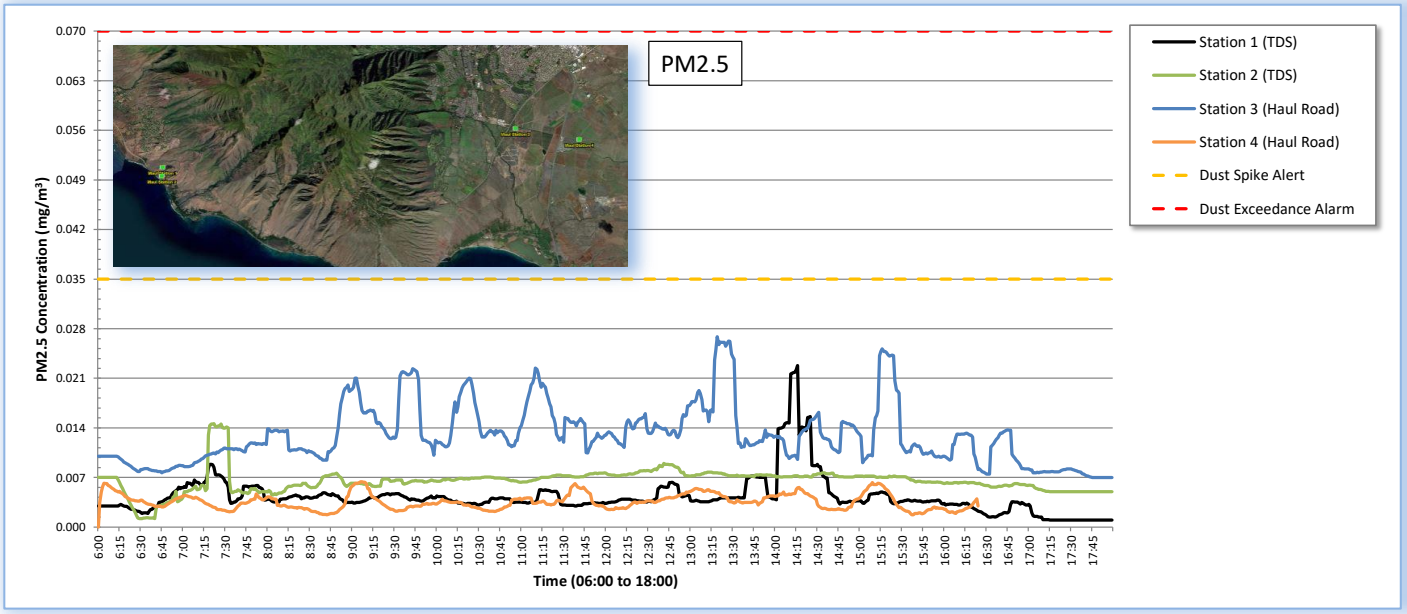
PM2.5 Particulate Summary

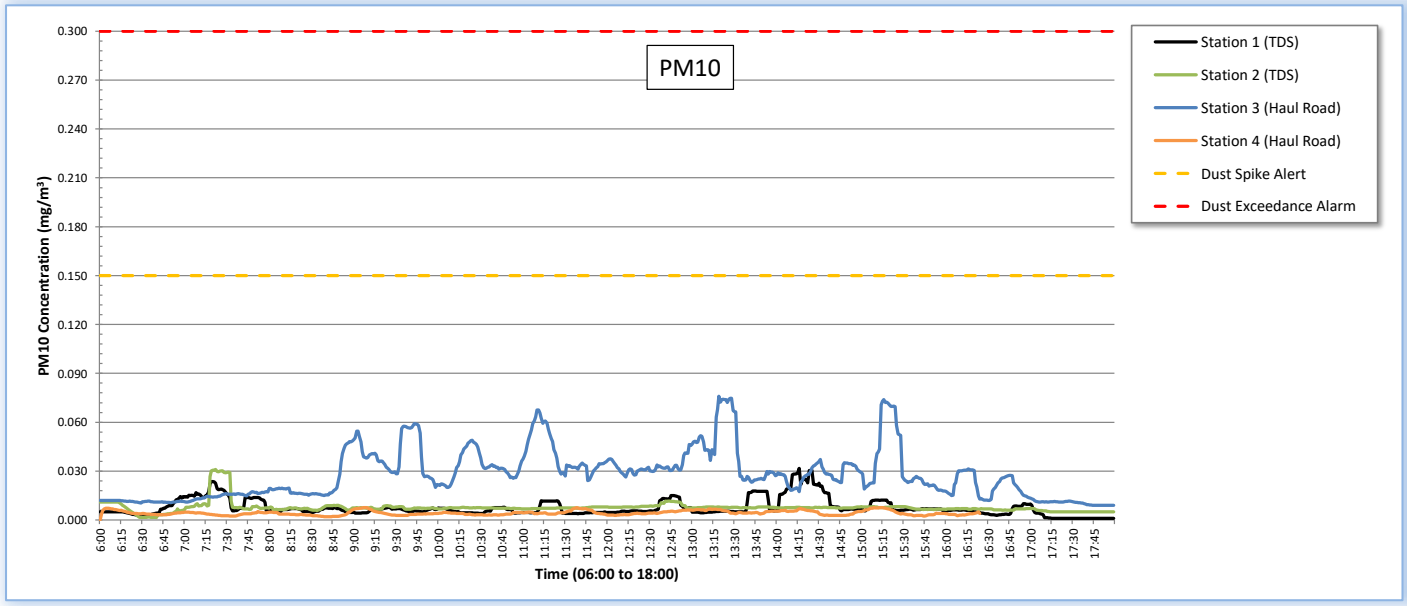
Station ID/Location	Daily Average PM2.5 Conc (mg/m³)	Max PM2.5 Conc (mg/m³)	Time of Max	15-Min Avg PM2.5 Conc (mg/m³)	Max 15-Min PM2.5 Conc (mg/m³)	Time of Max 15-Min Avg
Station 1 (TDS)	0.004	0.153	14:02	0.004	0.023	14:16
Station 2 (TDS)	0.006	0.116	7:18	0.007	0.015	7:22
Station 3 (Haul Road)	0.013	0.128	13:17	0.013	0.027	13:19
Station 4 (Haul Road)	0.004	0.019	11:35	0.004	0.006	9:06

PM10 Particulate Summary

Station ID/Location	Daily Average PM10 Conc (mg/m³)	Max PM10 Conc (mg/m³)	Time of Max	15-Min Avg PM10 Conc (mg/m³)	Max 15-Min PM10 Conc (mg/m³)	Time of Max 15-Min Avg
Station 1 (TDS)	0.008	0.155	14:02	0.008	0.032	14:16
Station 2 (TDS)	0.091	0.267	7:18	0.008	0.031	7:22
Station 3 (Haul Road)	0.028	0.419	15:14	0.028	0.076	13:19
Station 4 (Haul Road)	0.004	0.021	11:35	0.004	0.008	15:09

"--" indicates no data or NA





DEBRIS TRANSPORT AIR MONITORING

MAUI TDS(OLOWALU) TO PDS(CENTRAL) BACKGROUND

October 18, 2025

Prepared for
United States Army Corps of Engineers

Prepared by:

ECC Constructors LLC
700 Airport Blvd., Suite 250
Burlingame, CA 94010
Tel: 650.347.1555
Fax: 650.347.8789
Corporate@ecc.net

Debris Transfer Air monitoring: October 18, 2025
Maui TDS (Olowalu) to PDS (Central) Air Monitoring-Background

Summary:

The Air Monitoring and Surveillance Plan includes the use of real-time particulate monitors located in areas around the active debris removal operations. The AMSP has established Daily Project Limits of 70 ug/m3 for particulates in the PM 2.5 size range and 300 ug/m3 for particulates in the PM 10 size range as Daily Average concentrations. The Plan also establishes Operational Control Action Levels at one-half the Project Limit levels to help ensure effectiveness of operational controls.

The data collected by real-time dust monitors is uploaded via cellular telemetry to a cloud-based data management system. In addition to storing the data, the system allows for communications on a real-time basis by text and email, as well as integration and analysis of the data.

The AMSP has established an alert system with criteria so that operational controls can be investigated and, if necessary, adjusted throughout the day so that the particle concentrations remain below the Project Limit. If any 15-minute block average hits an Operational Alert level, the Air Monitoring Team receives an immediate alert which triggers an investigation. If necessary, operational controls can then be immediately adjusted to preclude a Project Limit exceedance.

Station Location Summary:

Maui Station 1 and Maui Station 2 were set up at the perimeter of the current TDS. Maui station 3 was set up on Haul Road. No activity occurred onsite today. Temporary Maui Station 4 was not deployed.

Station Data:

No stations exceeded the Project limit or the Action Level for the day.

		Maui Station 1	Maui Station 2	Maui Station 3	Maui Station 4	Project Limit	Action Level
PM 2.5	Avg, ug/M^3	2	5	12	--	70	35
PM 10	Avg, ug/M^3	4	5	33	--	300	150

Monitoring Station Map:

DAILY AIR MONITORING REPORT - BACKGROUND

Real-Time Particulates

Maui TDS (Olowalu) to PDS (Central) Air Monitoring

10/18/2025

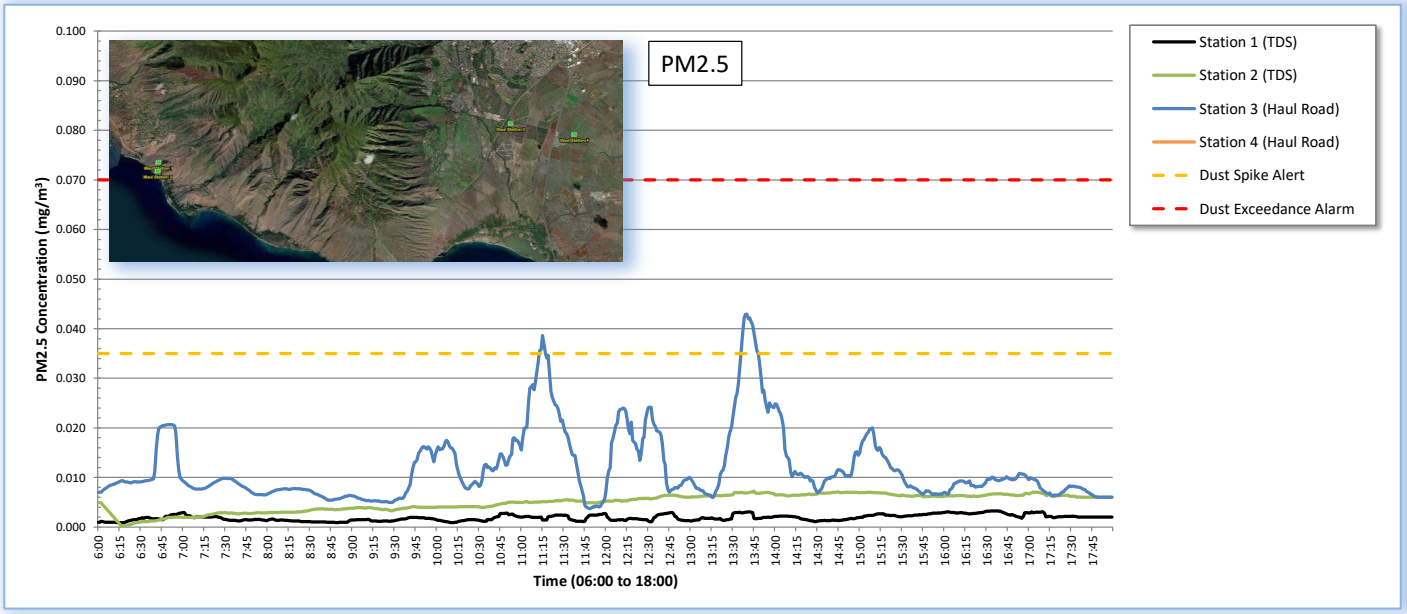
PM2.5 Particulate Summary

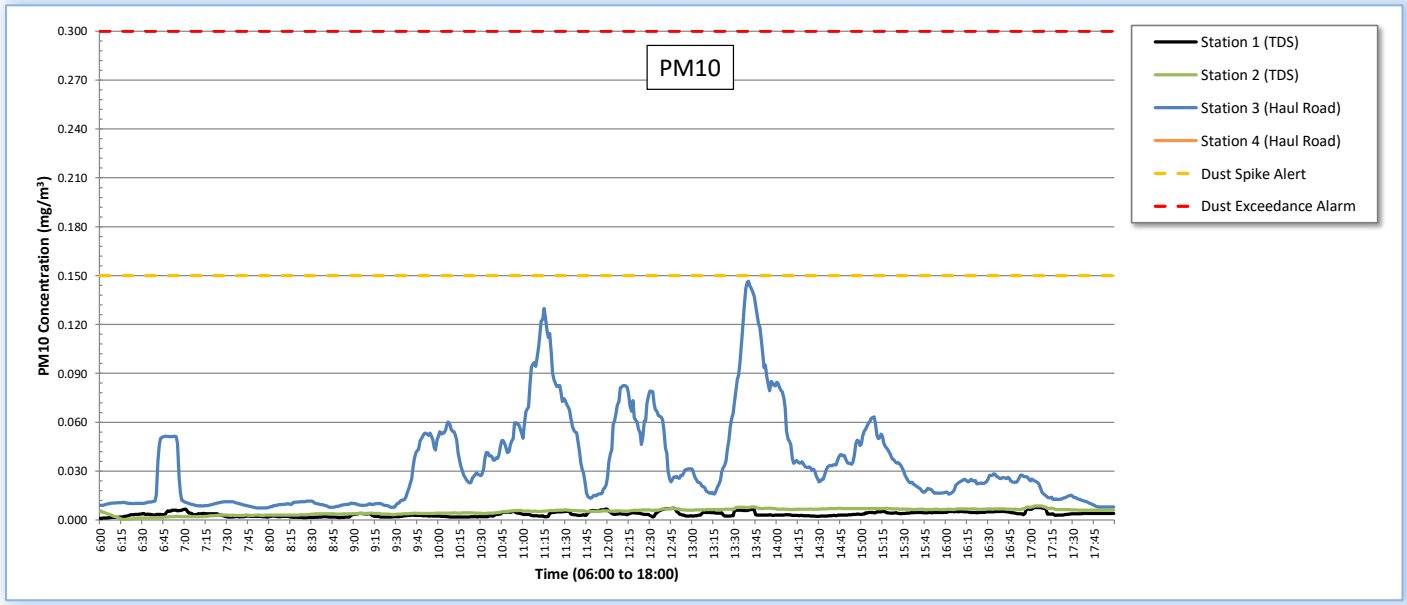
Station ID/Location	Daily Average PM2.5 Conc (mg/m³)	Max PM2.5 Conc (mg/m³)	Time of Max	15-Min Avg PM2.5 Conc (mg/m³)	Max 15-Min PM2.5 Conc (mg/m³)	Time of Max 15-Min Avg
Station 1 (TDS)	0.002	0.018	13:30	0.002	0.003	16:34
Station 2 (TDS)	0.005	0.012	13:31	0.005	0.007	13:45
Station 3 (Haul Road)	0.012	0.086	11:05	0.012	0.043	13:40
Station 4 (Haul Road)	--	--	--	--	--	--

PM10 Particulate Summary

Station ID/Location	Daily Average PM10 Conc (mg/m³)	Max PM10 Conc (mg/m³)	Time of Max	15-Min Avg PM10 Conc (mg/m³)	Max 15-Min PM10 Conc (mg/m³)	Time of Max 15-Min Avg
Station 1 (TDS)	0.004	0.048	13:30	0.004	0.008	17:07
Station 2 (TDS)	0.111	0.019	16:57	0.005	0.009	17:04
Station 3 (Haul Road)	0.033	0.326	6:41	0.033	0.147	13:40
Station 4 (Haul Road)	--	--	--	--	--	--

"--" indicates no data or NA





DEBRIS TRANSPORT AIR MONITORING

MAUI TDS(OLOWALU) TO PDS(CENTRAL) BACKGROUND

October 19, 2025

Prepared for
United States Army Corps of Engineers

Prepared by:

ECC Constructors LLC
700 Airport Blvd., Suite 250
Burlingame, CA 94010
Tel: 650.347.1555
Fax: 650.347.8789
Corporate@ecc.net

Debris Transfer Air monitoring: October 19, 2025
Maui TDS (Olowalu) to PDS (Central) Air Monitoring-Background

Summary:

The Air Monitoring and Surveillance Plan includes the use of real-time particulate monitors located in areas around the active debris removal operations. The AMSP has established Daily Project Limits of 70 ug/m3 for particulates in the PM 2.5 size range and 300 ug/m3 for particulates in the PM 10 size range as Daily Average concentrations. The Plan also establishes Operational Control Action Levels at one-half the Project Limit levels to help ensure effectiveness of operational controls.

The data collected by real-time dust monitors is uploaded via cellular telemetry to a cloud-based data management system. In addition to storing the data, the system allows for communications on a real-time basis by text and email, as well as integration and analysis of the data.

The AMSP has established an alert system with criteria so that operational controls can be investigated and, if necessary, adjusted throughout the day so that the particle concentrations remain below the Project Limit. If any 15-minute block average hits an Operational Alert level, the Air Monitoring Team receives an immediate alert which triggers an investigation. If necessary, operational controls can then be immediately adjusted to preclude a Project Limit exceedance.

Station Location Summary:

Maui Station 1 and Maui Station 2 were set up at the perimeter of the current TDS. Maui station 3 was set up on Haul Road. No activity occurred onsite today. Temporary Maui Station 4 was not deployed.

Station Data:

No stations exceeded the Project limit or the Action Level for the day.

		Maui Station 1	Maui Station 2	Maui Station 3	Maui Station 4	Project Limit	Action Level
PM 2.5	Avg, ug/M^3	2	6	6	--	70	35
PM 10	Avg, ug/M^3	4	6	10	--	300	150

Monitoring Station Map:

DAILY AIR MONITORING REPORT - BACKGROUND

Real-Time Particulates

Maui TDS (Olowalu) to PDS (Central) Air Monitoring

10/19/2025

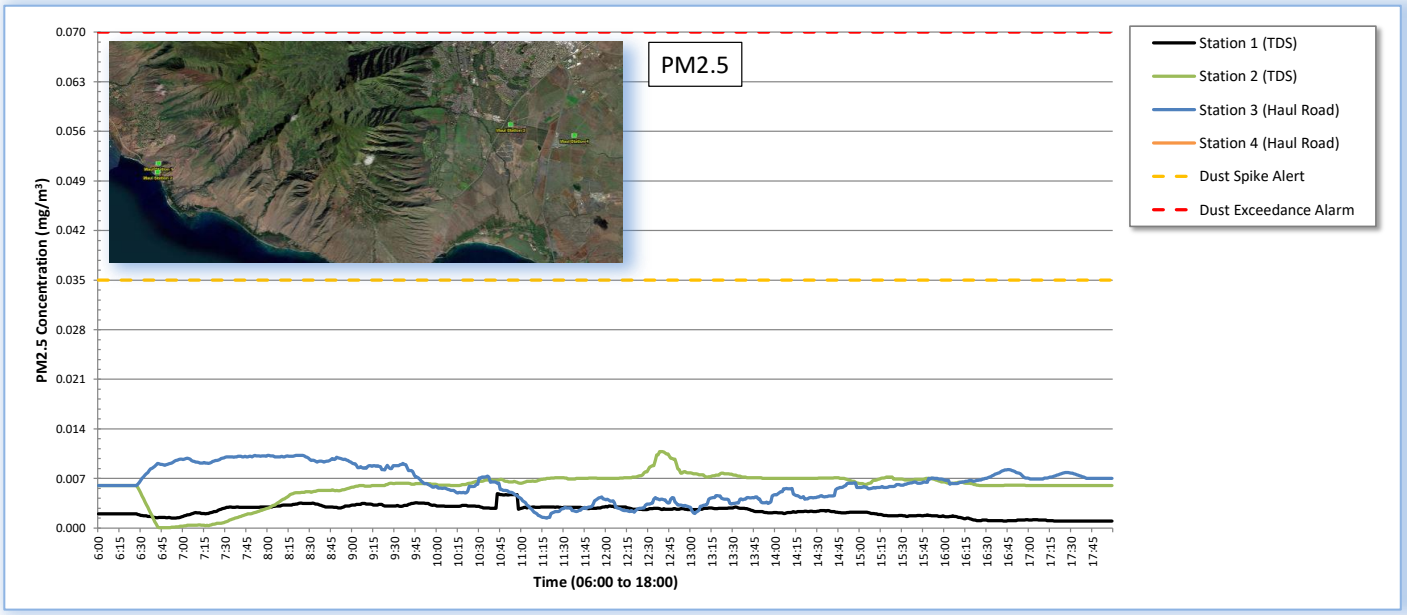
PM2.5 Particulate Summary

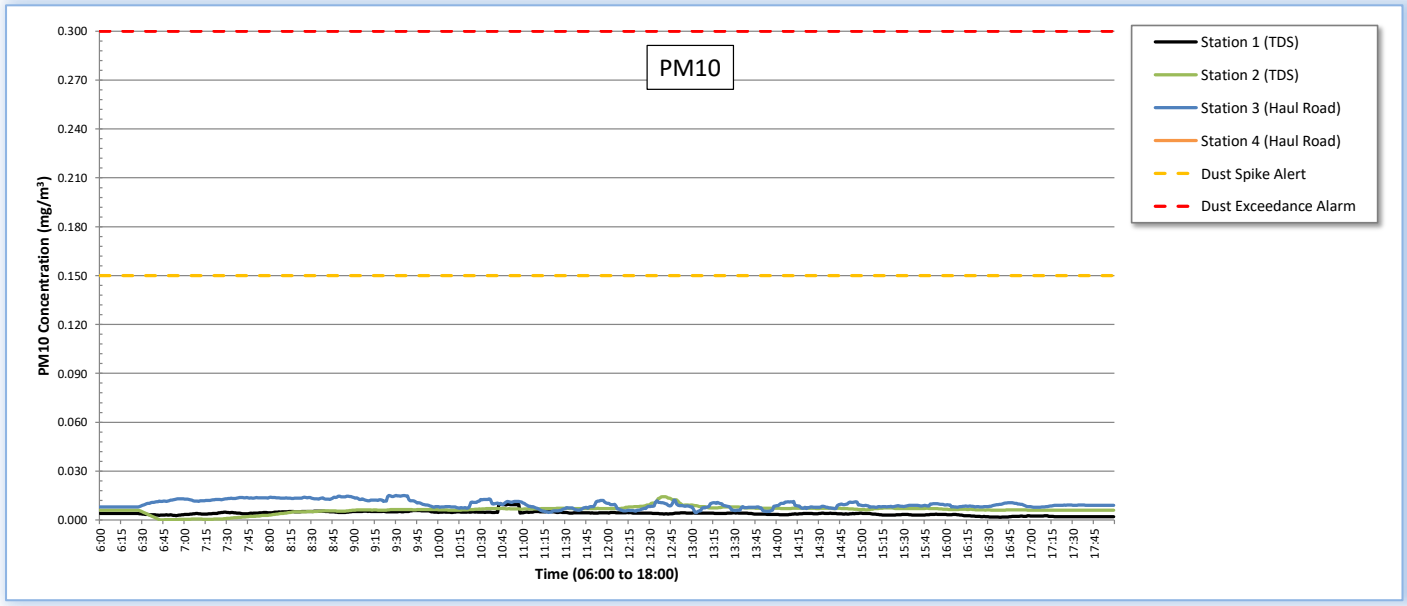
Station ID/Location	Daily Average PM2.5 Conc (mg/m³)	Max PM2.5 Conc (mg/m³)	Time of Max	15-Min Avg PM2.5 Conc (mg/m³)	Max 15-Min PM2.5 Conc (mg/m³)	Time of Max 15-Min Avg
Station 1 (TDS)	0.002	0.034	10:43	0.002	0.005	10:43
Station 2 (TDS)	0.006	0.019	12:35	0.006	0.011	12:38
Station 3 (Haul Road)	0.006	0.017	10:30	0.006	0.010	7:51
Station 4 (Haul Road)	--	--	--	--	--	--

PM10 Particulate Summary

Station ID/Location	Daily Average PM10 Conc (mg/m³)	Max PM10 Conc (mg/m³)	Time of Max	15-Min Avg PM10 Conc (mg/m³)	Max 15-Min PM10 Conc (mg/m³)	Time of Max 15-Min Avg
Station 1 (TDS)	0.004	0.084	10:43	0.004	0.010	10:43
Station 2 (TDS)	0.107	0.027	12:35	0.006	0.014	12:39
Station 3 (Haul Road)	0.010	0.051	9:24	0.010	0.015	9:30
Station 4 (Haul Road)	--	--	--	--	--	--

"--" indicates no data or NA





DEBRIS TRANSPORT AIR MONITORING

MAUI TDS(OLOWALU) TO PDS(CENTRAL)

October 20, 2025

Prepared for
United States Army Corps of Engineers

Prepared by:

ECC Constructors LLC
700 Airport Blvd., Suite 250
Burlingame, CA 94010
Tel: 650.347.1555
Fax: 650.347.8789
Corporate@ecc.net

Debris Transfer Air monitoring: October 20, 2025
Maui TDS (Olowalu) to PDS (Central) Air Monitoring

Summary:

The Air Monitoring and Surveillance Plan includes the use of real-time particulate monitors located in areas around the active debris removal operations. The AMSP has established Daily Project Limits of 70 ug/m3 for particulates in the PM 2.5 size range and 300 ug/m3 for particulates in the PM 10 size range as Daily Average concentrations. The Plan also establishes Operational Control Action Levels at one-half the Project Limit levels to help ensure effectiveness of operational controls.

The data collected by real-time dust monitors is uploaded via cellular telemetry to a cloud-based data management system. In addition to storing the data, the system allows for communications on a real-time basis by text and email, as well as integration and analysis of the data.

The AMSP has established an alert system with criteria so that operational controls can be investigated and, if necessary, adjusted throughout the day so that the particle concentrations remain below the Project Limit. If any 15-minute block average hits an Operational Alert level, the Air Monitoring Team receives an immediate alert which triggers an investigation. If necessary, operational controls can then be immediately adjusted to preclude a Project Limit exceedance.

Weather:

		TDS	Haul Road
Precipitation		No precipitation is observed all day. The skies are mostly cloudy. Overnight chance of precipitation is 10%. Less than ½ an inch of rain possible.	No precipitation is observed all day. The skies are partly cloudy. Overnight chance of precipitation is 10%. Less than ½ an inch of rain possible.
Wind Direction		N-NNE	N-NE
Wind Speed	Average	7 mph	17 mph
	Range	4– 16 mph	9–32 mph

Station Location Summary:

Maui Station 1 and Maui Station 2 were set up at the perimeter of the current TDS. Maui station 3 was set up on Haul Road. No debris hauling occurred today and no air monitor was present on the route. Station four was not deployed and the county road was closed.

Station Data:

No stations exceeded the Project limit or the Action Level for the day.

		Maui Station 1	Maui Station 2	Maui Station 3	Maui Station 4	Project Limit	Action Level
PM 2.5	Avg, ug/M^3	3	9	8	--	70	35
PM 10	Avg, ug/M^3	6	6	18	--	300	150

Monitoring Station Map:

DAILY AIR MONITORING REPORT - BACKGROUND

Real-Time Particulates

Maui TDS (Olowalu) to PDS (Central) Air Monitoring

10/20/2025

PM2.5 Particulate Summary

Station ID/Location	Daily Average PM2.5 Conc (mg/m³)	Max PM2.5 Conc (mg/m³)	Time of Max
Station 1 (TDS)	0.003	0.053	12:52
Station 2 (TDS)	0.006	0.023	7:04
Station 3 (Haul Road)	0.008	0.055	13:20
Station 4 (Haul Road)	--	--	--

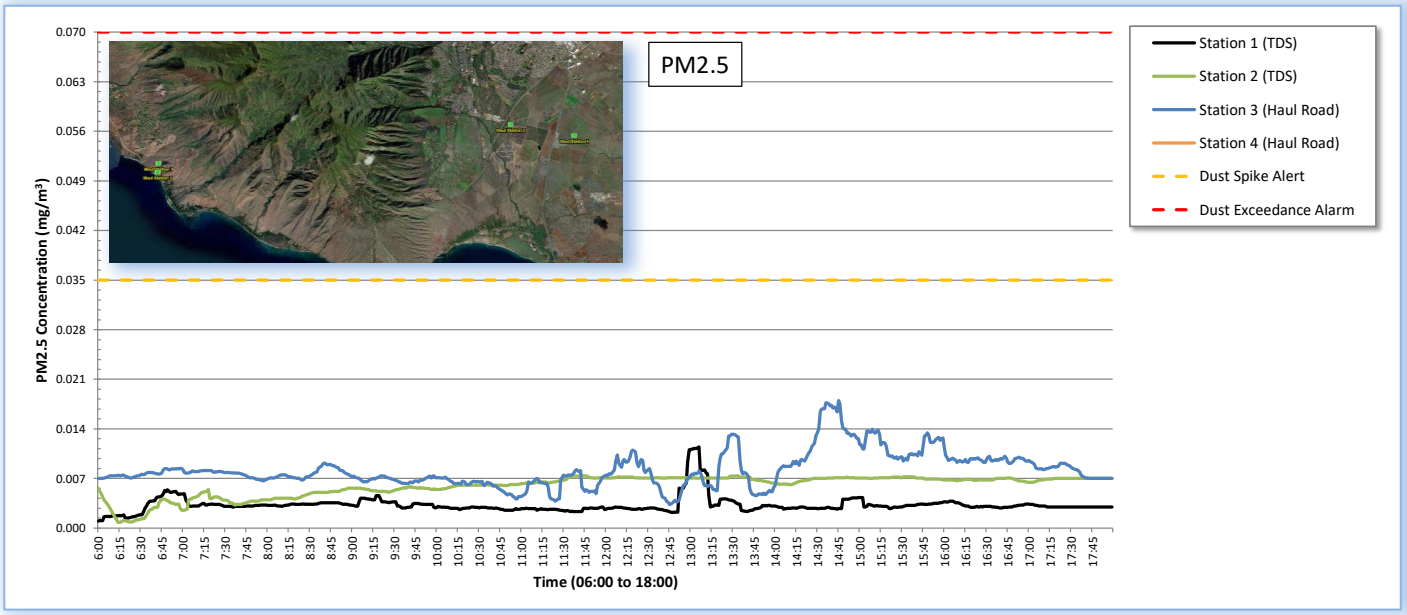
15-Min Avg PM2.5 Conc (mg/m³)	Max 15-Min PM2.5 Conc (mg/m³)	Time of Max 15-Min Avg
0.003	0.011	13:06
0.006	0.007	11:43
0.008	0.018	14:45
#DIV/0!	#DIV/0!	#DIV/0!

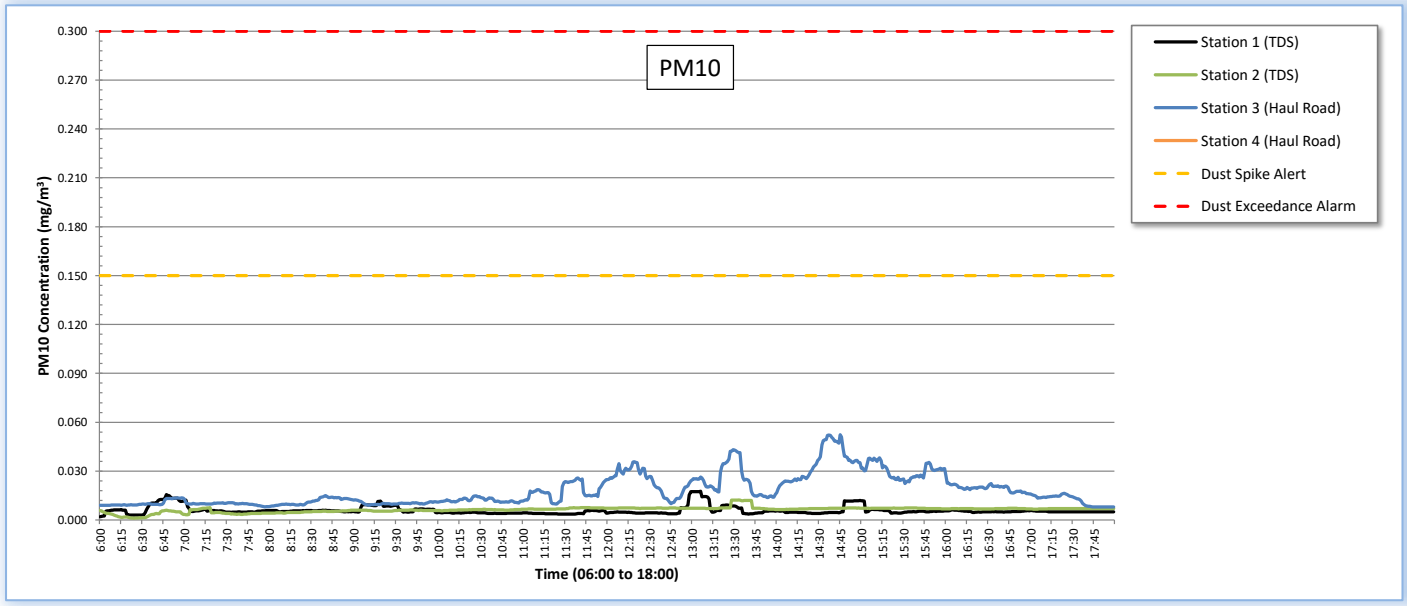
PM10 Particulate Summary

Station ID/Location	Daily Average PM10 Conc (mg/m³)	Max PM10 Conc (mg/m³)	Time of Max
Station 1 (TDS)	0.006	0.106	14:48
Station 2 (TDS)	0.109	0.079	13:28
Station 3 (Haul Road)	0.018	0.197	13:20
Station 4 (Haul Road)	--	--	--

15-Min Avg PM10 Conc (mg/m³)	Max 15-Min PM10 Conc (mg/m³)	Time of Max 15-Min Avg
0.006	0.018	13:06
0.006	0.012	13:33
0.018	0.052	14:45
#DIV/0!	#DIV/0!	#DIV/0!

"--" indicates no data or NA





DEBRIS TRANSPORT AIR MONITORING

MAUI TDS(OLOWALU) TO PDS(CENTRAL)

October 21, 2025

Prepared for
United States Army Corps of Engineers

Prepared by:

ECC Constructors LLC
700 Airport Blvd., Suite 250
Burlingame, CA 94010
Tel: 650.347.1555
Fax: 650.347.8789
Corporate@ecc.net

Debris Transfer Air monitoring: October 21, 2025
Maui TDS (Olowalu) to PDS (Central) Air Monitoring

Summary:

The Air Monitoring and Surveillance Plan includes the use of real-time particulate monitors located in areas around the active debris removal operations. The AMSP has established Daily Project Limits of 70 ug/m3 for particulates in the PM 2.5 size range and 300 ug/m3 for particulates in the PM 10 size range as Daily Average concentrations. The Plan also establishes Operational Control Action Levels at one-half the Project Limit levels to help ensure effectiveness of operational controls.

The data collected by real-time dust monitors is uploaded via cellular telemetry to a cloud-based data management system. In addition to storing the data, the system allows for communications on a real-time basis by text and email, as well as integration and analysis of the data.

The AMSP has established an alert system with criteria so that operational controls can be investigated and, if necessary, adjusted throughout the day so that the particle concentrations remain below the Project Limit. If any 15-minute block average hits an Operational Alert level, the Air Monitoring Team receives an immediate alert which triggers an investigation. If necessary, operational controls can then be immediately adjusted to preclude a Project Limit exceedance.

Weather:

		TDS	Haul Road
Precipitation		Isolated moderate rain showers were observed in the morning and evening, accumulating less than ½ an inch. The skies were mostly cloudy all day. Overnight chance of precipitation is 20%. Less than ½" of rain possible.	No precipitation is observed all day. The skies are partly cloudy. Overnight chance of precipitation is 10%.
Wind Direction		NE	NNE
Wind Speed	Average	12 mph	19 mph
	Range	7– 23 mph	7–34 mph

Station Location Summary:

Maui Station 1 and Maui Station 2 were set up at the perimeter of the current TDS. Maui station 3 and Maui Station 4 were set up on Haul Road.

Station Data:

No stations exceeded the Project limit or the Action Level for the day.

		Maui Station 1	Maui Station 2	Maui Station 3	Maui Station 4	Project Limit	Action Level
PM 2.5	Avg, ug/M^3	3	2	10	1	70	35
PM 10	Avg, ug/M^3	6	2	26	2	300	150

Monitoring Station Map:

DAILY AIR MONITORING REPORT

Real-Time Particulates

Maui TDS (Olowalu) to PDS (Central) Air Monitoring

10/21/2025

PM2.5 Particulate Summary

Station ID/Location	Daily Average PM2.5 Conc (mg/m³)	Max PM2.5 Conc (mg/m³)	Time of Max
Station 1 (TDS)	0.003	0.047	16:49
Station 2 (TDS)	0.001	0.006	6:06
Station 3 (Haul Road)	0.010	0.164	13:00
Station 4 (Haul Road)	0.001	0.009	15:15

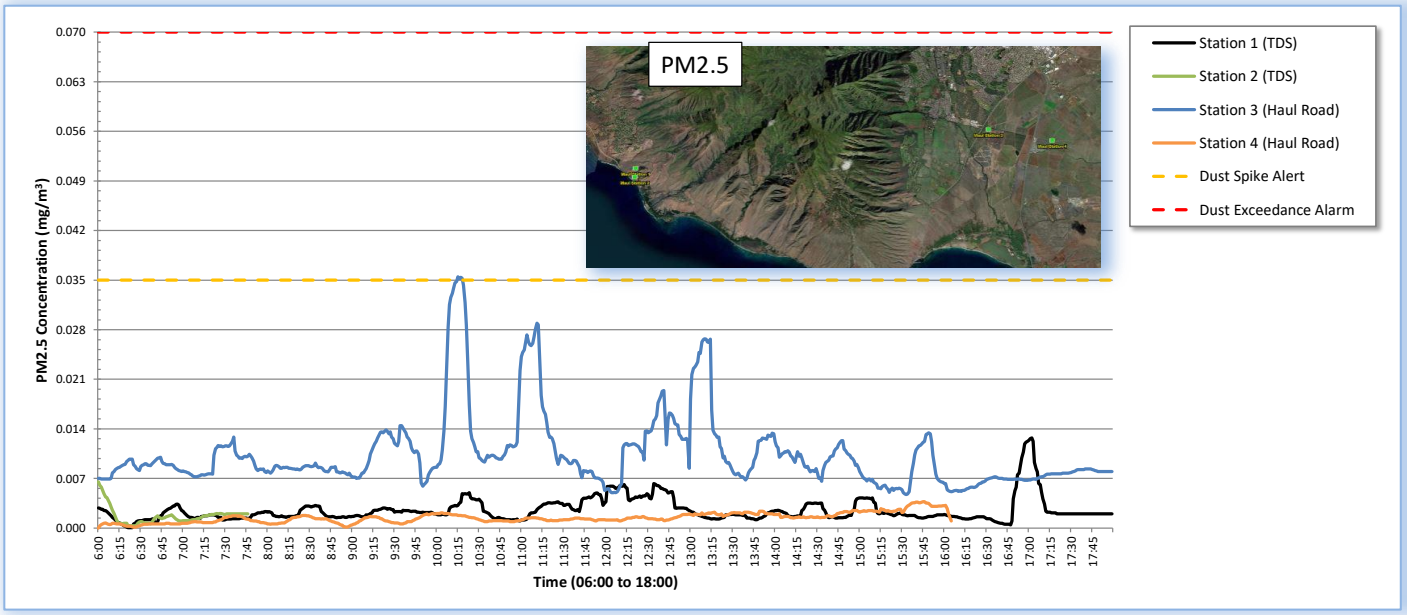
15-Min Avg PM2.5 Conc (mg/m³)	Max 15-Min PM2.5 Conc (mg/m³)	Time of Max 15-Min Avg
0.003	0.013	17:02
0.002	0.007	6:00
0.010	0.035	10:15
0.001	0.004	15:45

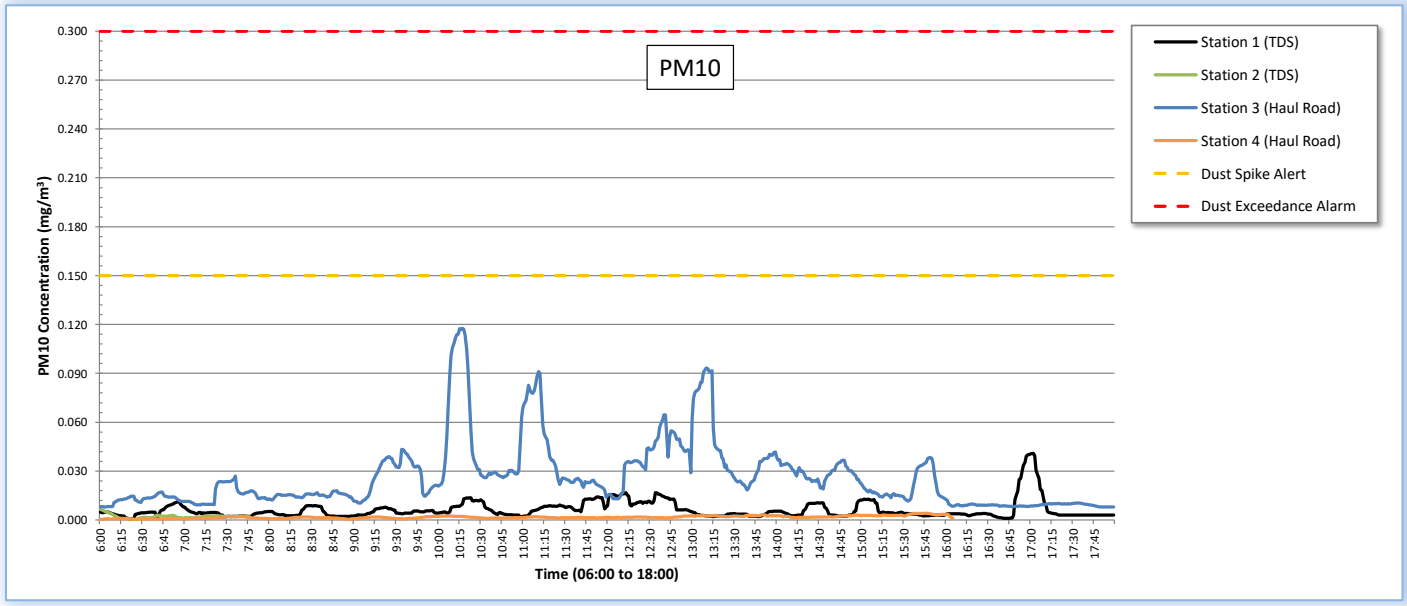
PM10 Particulate Summary

Station ID/Location	Daily Average PM10 Conc (mg/m³)	Max PM10 Conc (mg/m³)	Time of Max
Station 1 (TDS)	0.006	0.144	16:49
Station 2 (TDS)	0.104	0.008	6:40
Station 3 (Haul Road)	0.026	0.568	13:00
Station 4 (Haul Road)	0.002	0.012	13:38

15-Min Avg PM10 Conc (mg/m³)	Max 15-Min PM10 Conc (mg/m³)	Time of Max 15-Min Avg
0.006	0.041	17:02
0.002	0.007	6:00
0.026	0.118	10:17
0.002	0.004	15:45

"--" indicates no data or NA





DEBRIS TRANSPORT AIR MONITORING

MAUI TDS(OLOWALU) TO PDS(CENTRAL)

October 22, 2025

Prepared for
United States Army Corps of Engineers

Prepared by:

ECC Constructors LLC
700 Airport Blvd., Suite 250
Burlingame, CA 94010
Tel: 650.347.1555
Fax: 650.347.8789
Corporate@ecc.net

Debris Transfer Air monitoring: October 22, 2025
Maui TDS (Olowalu) to PDS (Central) Air Monitoring

Summary:

The Air Monitoring and Surveillance Plan includes the use of real-time particulate monitors located in areas around the active debris removal operations. The AMSP has established Daily Project Limits of 70 ug/m3 for particulates in the PM 2.5 size range and 300 ug/m3 for particulates in the PM 10 size range as Daily Average concentrations. The Plan also establishes Operational Control Action Levels at one-half the Project Limit levels to help ensure effectiveness of operational controls.

The data collected by real-time dust monitors is uploaded via cellular telemetry to a cloud-based data management system. In addition to storing the data, the system allows for communications on a real-time basis by text and email, as well as integration and analysis of the data.

The AMSP has established an alert system with criteria so that operational controls can be investigated and, if necessary, adjusted throughout the day so that the particle concentrations remain below the Project Limit. If any 15-minute block average hits an Operational Alert level, the Air Monitoring Team receives an immediate alert which triggers an investigation. If necessary, operational controls can then be immediately adjusted to preclude a Project Limit exceedance.

Weather:

		TDS	Haul Road
Precipitation		No precipitation is observed all day. The skies are mostly clear. Overnight chance of precipitation is 10%	No precipitation is observed all day. The skies are mostly sunny. Overnight chance of precipitation is 10%
Wind Direction		N	NE-NNE
Wind Speed	Average	6 mph	20 mph
	Range	15– 30 mph	10–34 mph

Station Location Summary:

Maui Station 1 and Maui Station 2 were set up at the perimeter of the current TDS. Maui station 3 and Maui Station 4 were set up on Haul Road.

Station Data:

No stations exceeded the Project limit or the Action Level for the day. The following readings above the action level were investigated by the air monitoring team:

Due to high wind conditions, haul truck loading stopped at ~1230. High wind conditions were observed throughout the day at TDS. Non-sustained wind gusts reached ~45 mph in the cell.

Two notifications at Station 1 at 1451 (non-sustained PM2.5 Spike and PM10 Spike) were investigated by the air monitoring team (AMT). These notifications were due to a small whirlwind that kicked up dust from the unpaved access road near station one and blew it towards the station. These notifications were not related to debris removal activities.

*Three notifications at Station 1 at 1524 (*non-sustained PM2.5 Spike, PM10 Spike, and PM2.5 Exceedance) and *one notification at 1537* (non-sustained PM10 Exceedance) were investigated by the AMT. These notifications were likely due to liner removal/ex operations along the North wall of the TDS. The AMT observed significant dust being created with this activity which was then carried by high winds towards station one

		Maui Station 1	Maui Station 2	Maui Station 3	Maui Station 4	Project Limit	Action Level
PM 2.5	Avg, ug/M^3	9	8	5	2	70	35
PM 10	Avg, ug/M^3	25	8	17	2	300	150

Monitoring Station Map:

DAILY AIR MONITORING REPORT

Real-Time Particulates

Maui TDS (Olowalu) to PDS (Central) Air Monitoring

10/22/2025

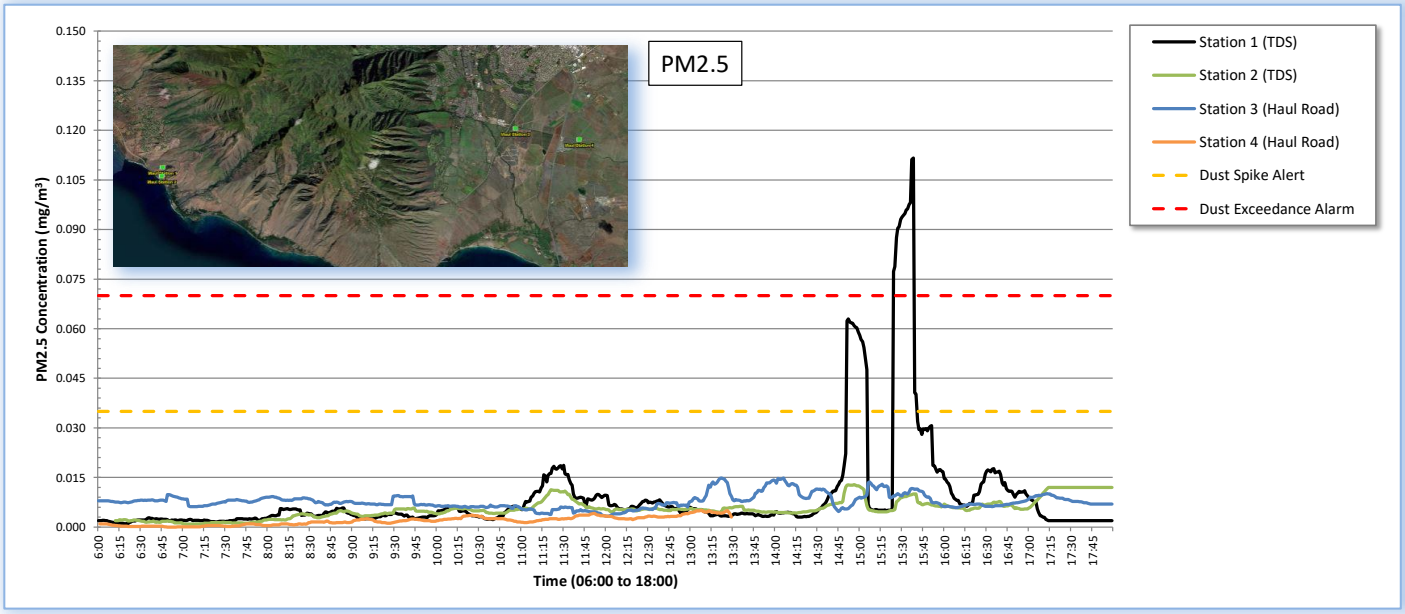
PM2.5 Particulate Summary

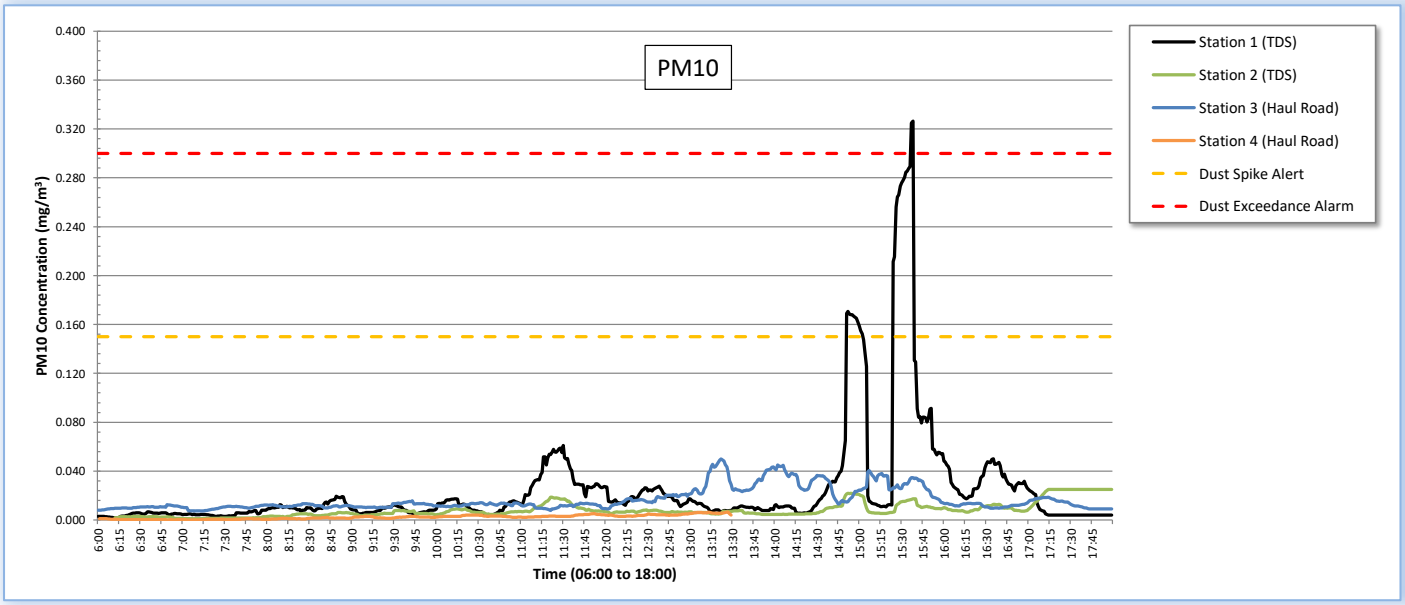
Station ID/Location	Daily Average PM2.5 Conc (mg/m³)	Max PM2.5 Conc (mg/m³)	Time of Max	15-Min Avg PM2.5 Conc (mg/m³)	Max 15-Min PM2.5 Conc (mg/m³)	Time of Max 15-Min Avg
Station 1 (TDS)	0.009	1.088	15:24	0.009	0.112	15:38
Station 2 (TDS)	0.006	0.043	14:49	0.005	0.013	14:56
Station 3 (Haul Road)	0.008	0.057	15:06	0.008	0.015	13:22
Station 4 (Haul Road)	0.002	0.009	10:18	0.002	0.005	13:08

PM10 Particulate Summary

Station ID/Location	Daily Average PM10 Conc (mg/m³)	Max PM10 Conc (mg/m³)	Time of Max	15-Min Avg PM10 Conc (mg/m³)	Max 15-Min PM10 Conc (mg/m³)	Time of Max 15-Min Avg
Station 1 (TDS)	0.025	3.002	15:24	0.025	0.326	15:38
Station 2 (TDS)	0.096	0.085	15:26	0.008	0.025	17:14
Station 3 (Haul Road)	0.017	0.192	15:06	0.017	0.050	13:22
Station 4 (Haul Road)	0.002	0.010	10:18	0.002	0.007	13:26

"--" indicates no data or NA





DEBRIS TRANSPORT AIR MONITORING

MAUI TDS(OLOWALU) TO PDS(CENTRAL)

October 23, 2025

Prepared for
United States Army Corps of Engineers

Prepared by:

ECC Constructors LLC
700 Airport Blvd., Suite 250
Burlingame, CA 94010
Tel: 650.347.1555
Fax: 650.347.8789
Corporate@ecc.net

Debris Transfer Air monitoring: October 23, 2025
Maui TDS (Olowalu) to PDS (Central) Air Monitoring

Summary:

The Air Monitoring and Surveillance Plan includes the use of real-time particulate monitors located in areas around the active debris removal operations. The AMSP has established Daily Project Limits of 70 ug/m3 for particulates in the PM 2.5 size range and 300 ug/m3 for particulates in the PM 10 size range as Daily Average concentrations. The Plan also establishes Operational Control Action Levels at one-half the Project Limit levels to help ensure effectiveness of operational controls.

The data collected by real-time dust monitors is uploaded via cellular telemetry to a cloud-based data management system. In addition to storing the data, the system allows for communications on a real-time basis by text and email, as well as integration and analysis of the data.

The AMSP has established an alert system with criteria so that operational controls can be investigated and, if necessary, adjusted throughout the day so that the particle concentrations remain below the Project Limit. If any 15-minute block average hits an Operational Alert level, the Air Monitoring Team receives an immediate alert which triggers an investigation. If necessary, operational controls can then be immediately adjusted to preclude a Project Limit exceedance.

Weather:

		TDS	Haul Road
Precipitation		No precipitation is observed all day. The skies are mostly clear. Overnight chance of precipitation is 10%	No precipitation is observed all day. The skies are mostly sunny. Overnight chance of precipitation is 10%
Wind Direction		NE	NE
Wind Speed	Average	13 mph	24 mph
	Range	9– 26 mph	14–32 mph

Station Location Summary:

Maui Station 1 and Maui Station 2 were set up at the perimeter of the current TDS. Maui Station 3 was set up on Haul Road. Station 4 was not deployed today due to no hauling of debris and CHR closure.

Station Data:

No stations exceeded the Project limit or the Action Level for the day. The following readings above the action level were investigated by the air monitoring team:

Hazy conditions persist and increased PM background levels were observed due to the latest volcanic activity (Kilauea, Big Island, Hawaii).

Notification occurring at station 1 at 1305 (non-sustained PM2.5 Spike) was investigated by the air monitoring team (AMT). This notification was likely due to NE prevailing winds pulling dust down from the TDS cell as excavator operations were underway on the northern wall during liner removal. Sustained wind speeds reached 26 mph.

		Maui Station 1	Maui Station 2	Maui Station 3	Maui Station 4	Project Limit	Action Level
PM 2.5	Avg, ug/M^3	7	5	11	--	70	35
PM 10	Avg, ug/M^3	19	6	23	--	300	150

Monitoring Station Map:

DAILY AIR MONITORING REPORT

Real-Time Particulates

Maui TDS (Olowalu) to PDS (Central) Air Monitoring

10/23/2025

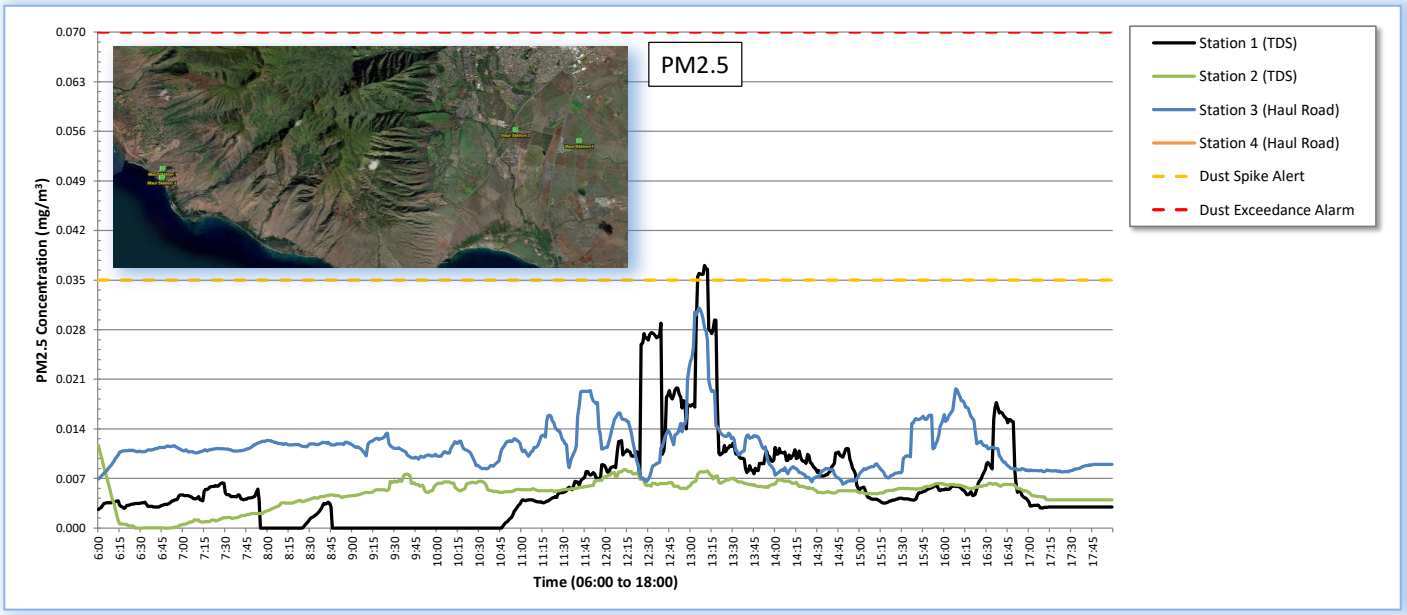
PM2.5 Particulate Summary

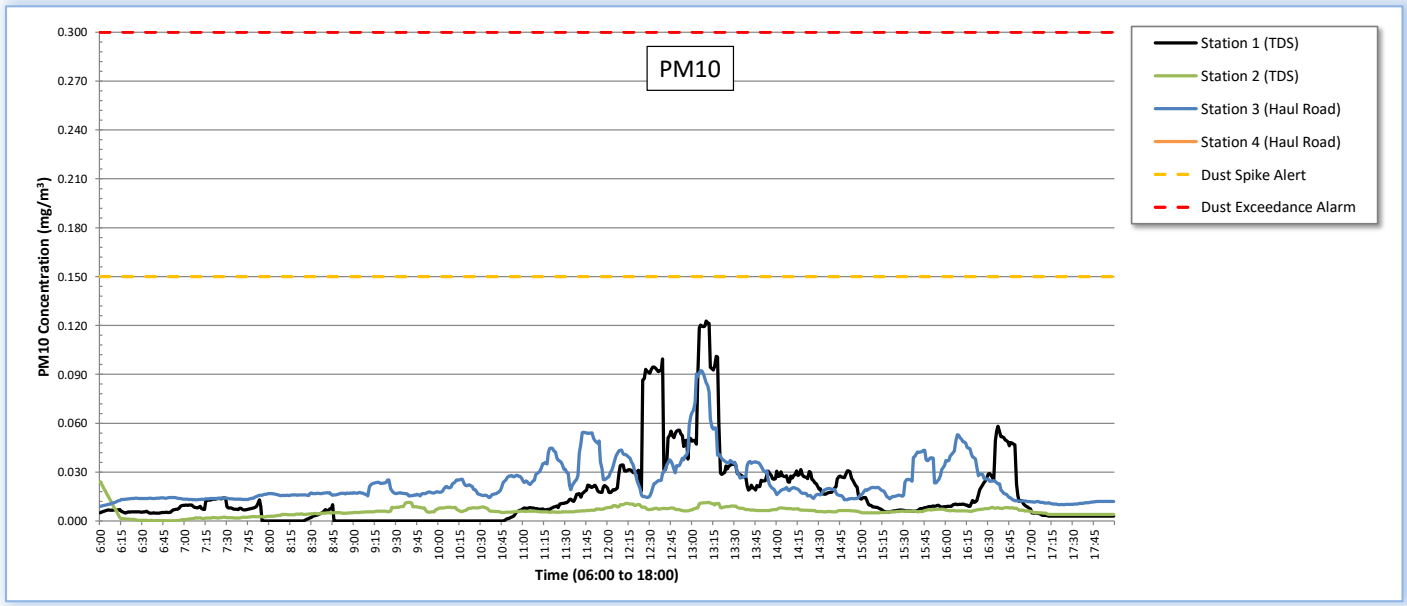
Station ID/Location	Daily Average PM2.5 Conc (mg/m³)	Max PM2.5 Conc (mg/m³)	Time of Max	15-Min Avg PM2.5 Conc (mg/m³)	Max 15-Min PM2.5 Conc (mg/m³)	Time of Max 15-Min Avg
Station 1 (TDS)	0.007	0.282	12:25	0.007	0.037	13:10
Station 2 (TDS)	0.005	0.022	9:27	0.005	0.012	6:00
Station 3 (Haul Road)	0.011	0.096	12:58	0.011	0.031	13:06
Station 4 (Haul Road)	--	--	--	--	--	--

PM10 Particulate Summary

Station ID/Location	Daily Average PM10 Conc (mg/m³)	Max PM10 Conc (mg/m³)	Time of Max	15-Min Avg PM10 Conc (mg/m³)	Max 15-Min PM10 Conc (mg/m³)	Time of Max 15-Min Avg
Station 1 (TDS)	0.019	1.028	12:25	0.019	0.123	13:10
Station 2 (TDS)	0.113	0.045	13:05	0.006	0.024	6:00
Station 3 (Haul Road)	0.023	0.283	13:03	0.023	0.092	13:06
Station 4 (Haul Road)	--	--	--	--	--	--

"--" indicates no data or NA





DEBRIS TRANSPORT AIR MONITORING

MAUI TDS(OLOWALU) TO PDS(CENTRAL)

October 25, 2025

Prepared for
United States Army Corps of Engineers

Prepared by:

ECC Constructors LLC
700 Airport Blvd., Suite 250
Burlingame, CA 94010
Tel: 650.347.1555
Fax: 650.347.8789
Corporate@ecc.net

Debris Transfer Air monitoring: October 25, 2025
Maui TDS (Olowalu) to PDS (Central) Air Monitoring

Summary:

The Air Monitoring and Surveillance Plan includes the use of real-time particulate monitors located in areas around the active debris removal operations. The AMSP has established Daily Project Limits of 70 ug/m3 for particulates in the PM 2.5 size range and 300 ug/m3 for particulates in the PM 10 size range as Daily Average concentrations. The Plan also establishes Operational Control Action Levels at one-half the Project Limit levels to help ensure effectiveness of operational controls.

The data collected by real-time dust monitors is uploaded via cellular telemetry to a cloud-based data management system. In addition to storing the data, the system allows for communications on a real-time basis by text and email, as well as integration and analysis of the data.

The AMSP has established an alert system with criteria so that operational controls can be investigated and, if necessary, adjusted throughout the day so that the particle concentrations remain below the Project Limit. If any 15-minute block average hits an Operational Alert level, the Air Monitoring Team receives an immediate alert which triggers an investigation. If necessary, operational controls can then be immediately adjusted to preclude a Project Limit exceedance.

Weather:

		TDS	Haul Road
Precipitation		Overnight rainfall occurred, less than ½". Moderate showers occurred in the morning. The skies are cloudy and overcast. Overnight chance of precipitation is 40%. Less than 1/2" of rain possible.	Isolated moderate showers occurring overnight and in the morning to afternoon. The skies are mostly clear. Overnight chance of precipitation is 50%. Less than half an inch possible.
Wind Direction		NE	NE
Wind Speed	Average	41 mph	24 mph
	Range	34– 52 mph	14–29 mph

Station Location Summary:

Maui Station 1 and Maui Station 2 were set up at the perimeter of the current TDS. Maui Station 3 was set up on Haul Road. Station 4 was not deployed today due to no hauling of debris and CHR closure.

Station Data:

No stations exceeded the Project limit or the Action Level for the day.

		Maui Station 1	Maui Station 2	Maui Station 3	Maui Station 4	Project Limit	Action Level
PM 2.5	Avg, ug/M^3	6	6	3	--	70	35
PM 10	Avg, ug/M^3	15	6	7	--	300	150

Monitoring Station Map:

DAILY AIR MONITORING REPORT

Real-Time Particulates

Maui TDS (Olowalu) to PDS (Central) Air Monitoring

10/25/2025

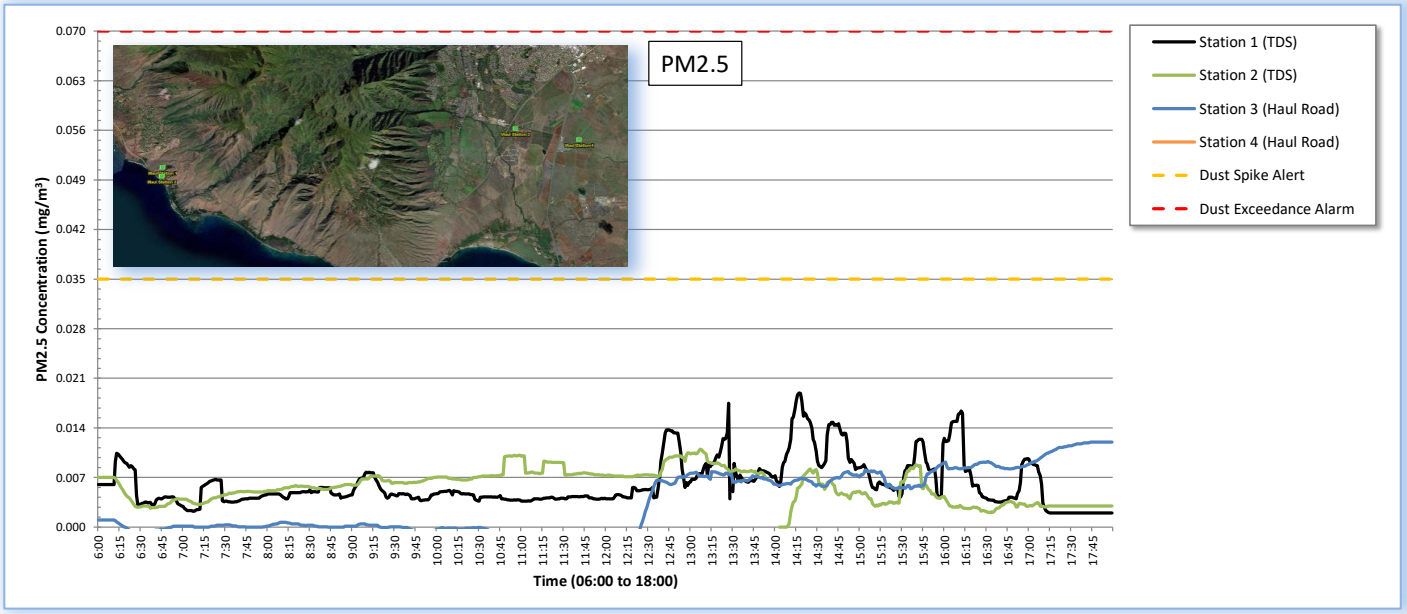
PM2.5 Particulate Summary

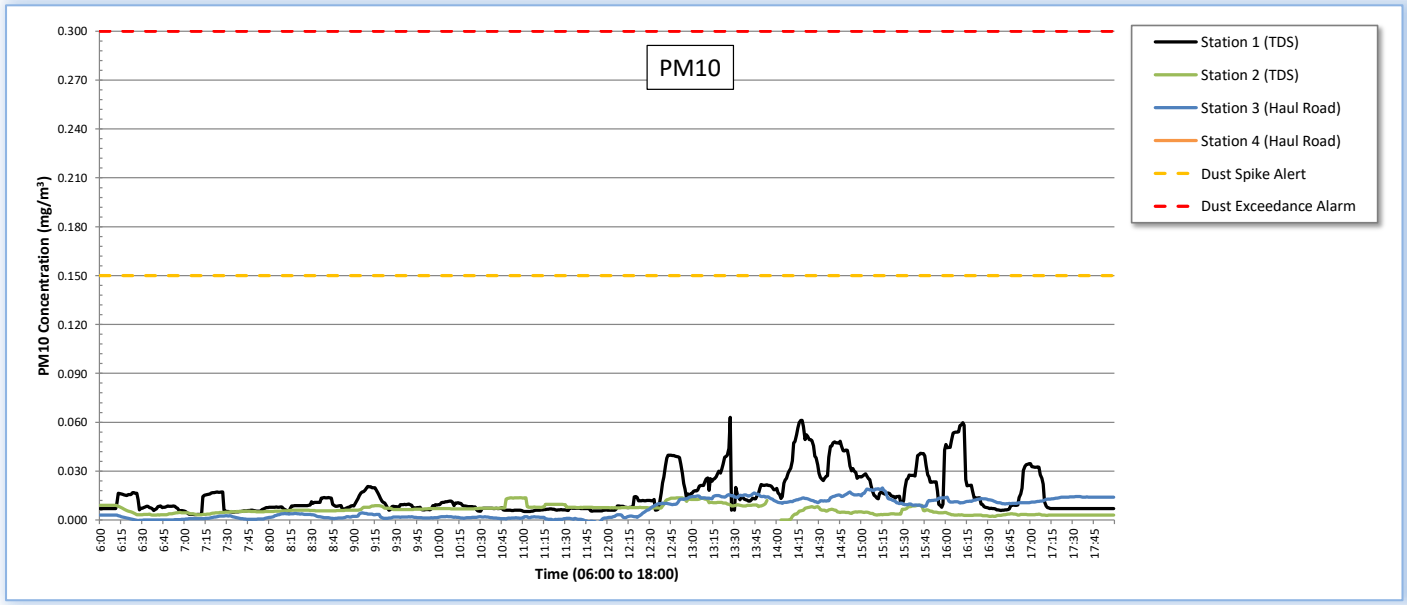
Station ID/Location	Daily Average PM2.5 Conc (mg/m³)	Max PM2.5 Conc (mg/m³)	Time of Max	15-Min Avg PM2.5 Conc (mg/m³)	Max 15-Min PM2.5 Conc (mg/m³)	Time of Max 15-Min Avg
Station 1 (TDS)	0.006	0.115	15:59	0.006	0.019	14:17
Station 2 (TDS)	0.006	0.049	15:29	0.006	0.011	13:07
Station 3 (Haul Road)	0.003	0.024	13:15	0.003	0.012	17:44
Station 4 (Haul Road)	--	--	--	--	--	--

PM10 Particulate Summary

Station ID/Location	Daily Average PM10 Conc (mg/m³)	Max PM10 Conc (mg/m³)	Time of Max	15-Min Avg PM10 Conc (mg/m³)	Max 15-Min PM10 Conc (mg/m³)	Time of Max 15-Min Avg
Station 1 (TDS)	0.015	0.509	15:59	0.015	0.063	13:27
Station 2 (TDS)	0.192	0.088	10:48	0.006	0.014	10:58
Station 3 (Haul Road)	0.007	0.049	15:47	0.007	0.020	15:15
Station 4 (Haul Road)	--	--	--	--	--	--

"--" indicates no data or NA





DEBRIS TRANSPORT AIR MONITORING

MAUI TDS(OLOWALU) TO PDS(CENTRAL)

October 26, 2025

Prepared for
United States Army Corps of Engineers

Prepared by:

ECC Constructors LLC
700 Airport Blvd., Suite 250
Burlingame, CA 94010
Tel: 650.347.1555
Fax: 650.347.8789
Corporate@ecc.net

Debris Transfer Air monitoring: October 26, 2025
Maui TDS (Olowalu) to PDS (Central) Air Monitoring

Summary:

The Air Monitoring and Surveillance Plan includes the use of real-time particulate monitors located in areas around the active debris removal operations. The AMSP has established Daily Project Limits of 70 ug/m3 for particulates in the PM 2.5 size range and 300 ug/m3 for particulates in the PM 10 size range as Daily Average concentrations. The Plan also establishes Operational Control Action Levels at one-half the Project Limit levels to help ensure effectiveness of operational controls.

The data collected by real-time dust monitors is uploaded via cellular telemetry to a cloud-based data management system. In addition to storing the data, the system allows for communications on a real-time basis by text and email, as well as integration and analysis of the data.

The AMSP has established an alert system with criteria so that operational controls can be investigated and, if necessary, adjusted throughout the day so that the particle concentrations remain below the Project Limit. If any 15-minute block average hits an Operational Alert level, the Air Monitoring Team receives an immediate alert which triggers an investigation. If necessary, operational controls can then be immediately adjusted to preclude a Project Limit exceedance.

Weather:

		TDS	Haul Road
Precipitation		Light isolated showers occurred overnight and in the morning. The skies are mostly cloudy. Overnight chance of precipitation is 10%.	Skies mostly cloudy. Overnight chance of precipitation is 10%.
Wind Direction		NNE	NE
Wind Speed	Average	10 mph	17 mph
	Range	7– 18 mph	13–27 mph

Station Location Summary:

Maui Station 1 and Maui Station 2 were set up at the perimeter of the current TDS. Maui Station 3 was set up on Haul Road. Station 4 was not deployed today due to no hauling of debris and CHR closure.

Station Data:

No stations exceeded the Project limit or the Action Level for the day.

		Maui Station 1	Maui Station 2	Maui Station 3	Maui Station 4	Project Limit	Action Level
PM 2.5	Avg, ug/M^3	7	3	10	--	70	35
PM 10	Avg, ug/M^3	16	3	14	--	300	150

Monitoring Station Map:

DAILY AIR MONITORING REPORT

Real-Time Particulates

Maui TDS (Olowalu) to PDS (Central) Air Monitoring

10/26/2025

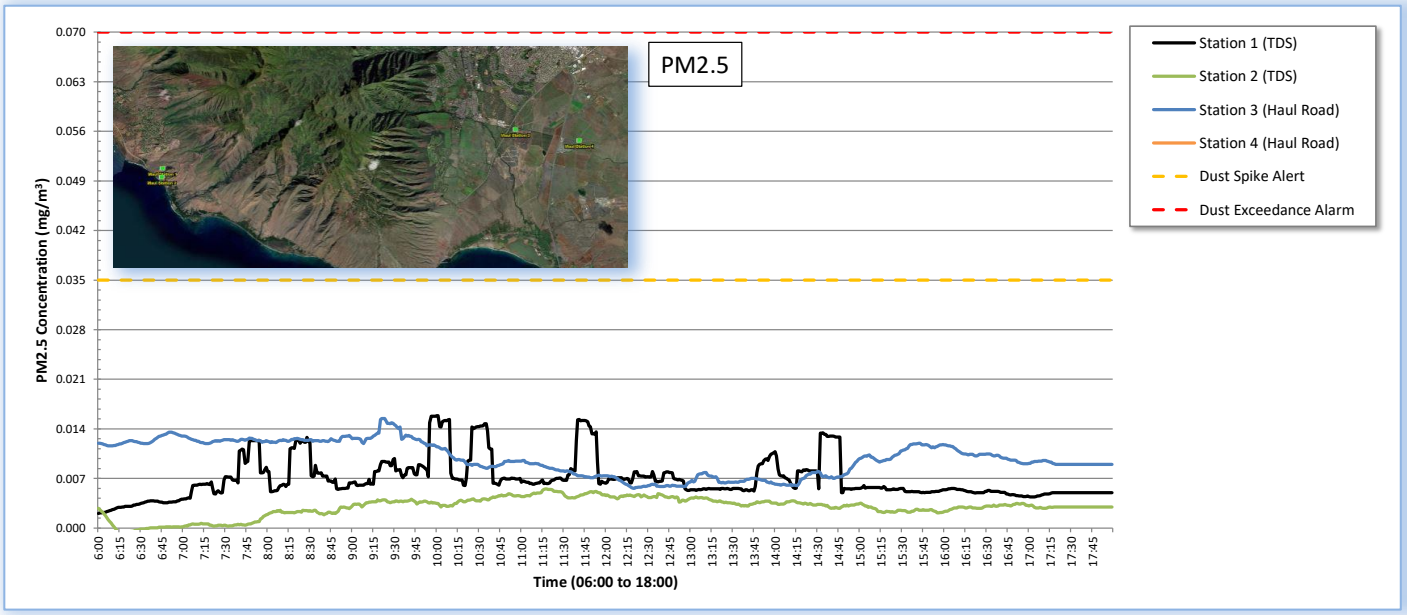
PM2.5 Particulate Summary

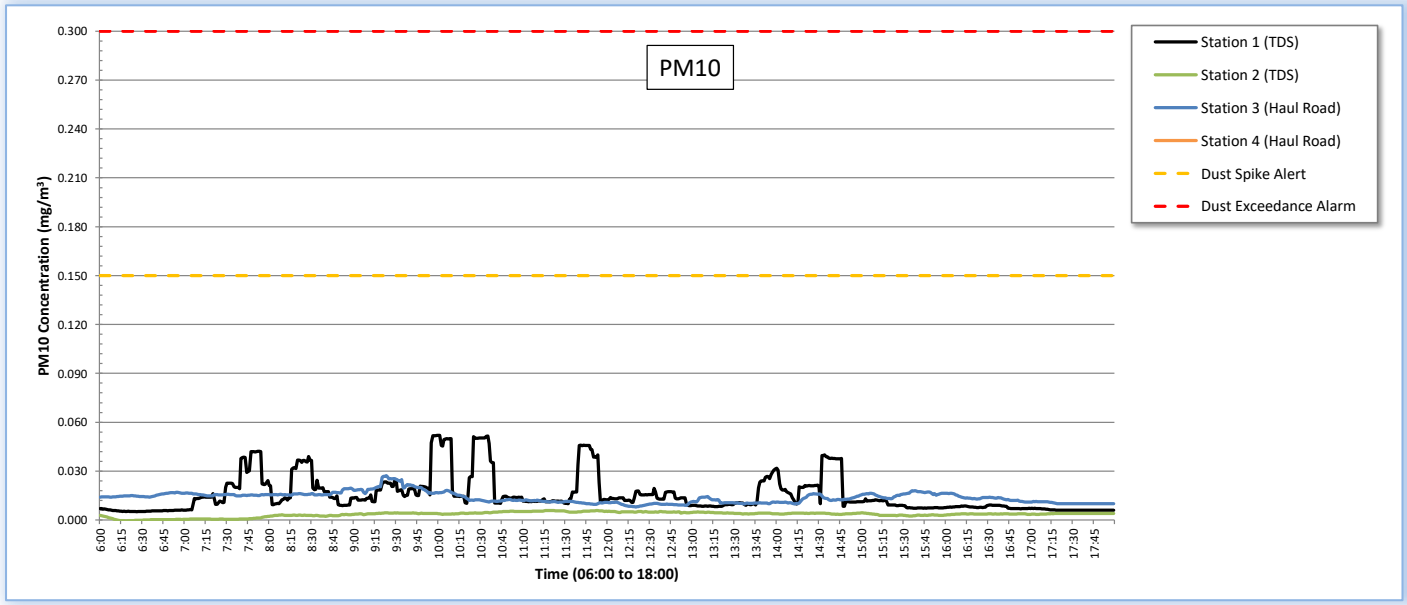
Station ID/Location	Daily Average PM2.5 Conc (mg/m³)	Max PM2.5 Conc (mg/m³)	Time of Max	15-Min Avg PM2.5 Conc (mg/m³)	Max 15-Min PM2.5 Conc (mg/m³)	Time of Max 15-Min Avg
Station 1 (TDS)	0.007	0.123	14:32	0.007	0.016	10:00
Station 2 (TDS)	0.003	0.013	12:37	0.003	0.006	11:17
Station 3 (Haul Road)	0.010	0.040	9:20	0.010	0.015	9:22
Station 4 (Haul Road)	--	--	--	--	--	--

PM10 Particulate Summary

Station ID/Location	Daily Average PM10 Conc (mg/m³)	Max PM10 Conc (mg/m³)	Time of Max	15-Min Avg PM10 Conc (mg/m³)	Max 15-Min PM10 Conc (mg/m³)	Time of Max 15-Min Avg
Station 1 (TDS)	0.016	0.492	9:55	0.016	0.052	10:00
Station 2 (TDS)	0.109	0.014	12:37	0.003	0.006	11:20
Station 3 (Haul Road)	0.014	0.102	9:20	0.014	0.027	9:23
Station 4 (Haul Road)	--	--	--	--	--	--

"--" indicates no data or NA





DEBRIS TRANSPORT AIR MONITORING

MAUI TDS(OLOWALU) TO PDS(CENTRAL)

October 27, 2025

Prepared for
United States Army Corps of Engineers

Prepared by:

ECC Constructors LLC
700 Airport Blvd., Suite 250
Burlingame, CA 94010
Tel: 650.347.1555
Fax: 650.347.8789
Corporate@ecc.net

Debris Transfer Air monitoring: October 27, 2025
Maui TDS (Olowalu) to PDS (Central) Air Monitoring

Summary:

The Air Monitoring and Surveillance Plan includes the use of real-time particulate monitors located in areas around the active debris removal operations. The AMSP has established Daily Project Limits of 70 ug/m3 for particulates in the PM 2.5 size range and 300 ug/m3 for particulates in the PM 10 size range as Daily Average concentrations. The Plan also establishes Operational Control Action Levels at one-half the Project Limit levels to help ensure effectiveness of operational controls.

The data collected by real-time dust monitors is uploaded via cellular telemetry to a cloud-based data management system. In addition to storing the data, the system allows for communications on a real-time basis by text and email, as well as integration and analysis of the data.

The AMSP has established an alert system with criteria so that operational controls can be investigated and, if necessary, adjusted throughout the day so that the particle concentrations remain below the Project Limit. If any 15-minute block average hits an Operational Alert level, the Air Monitoring Team receives an immediate alert which triggers an investigation. If necessary, operational controls can then be immediately adjusted to preclude a Project Limit exceedance.

Weather:

		TDS	Haul Road
Precipitation		No precipitation is observed all day. The skies are mostly clear. Overnight chance of precipitation is 10%	Skies mostly cloudy. Overnight chance of precipitation is 10%.
Wind Direction		NE	NE
Wind Speed	Average	8 mph	16 mph
	Range	5– 16 mph	4–23 mph

Station Location Summary:

Maui Station 1 and Maui Station 2 were set up at the perimeter of the current TDS. Maui Station 3 and Station 4 were set up on Haul Road. .

Station Data:

No stations exceeded the Project limit or the Action Level for the day.

Three notifications from 0912-0914 (non-sustained PM2.5 Spike, PM10 Spike, and PM2.5 Exceedance) and one notification at 0933 (non-sustained PM10 Spike) at station 3 were investigated by the air monitoring team (AMT). These notifications were likely due to private (Mahi Pono) contractors working on an agricultural farming canal (~30 meters upwind of station three). The current work will likely be completed by 10/29, with further work on the canal expected through 2025. The AMT observed workers transferring dirt piles with an excavator which kicked up large clouds of dust that blew towards station three. These notifications were not related to debris removal activities.

		Maui Station 1	Maui Station 2	Maui Station 3	Maui Station 4	Project Limit	Action Level
PM 2.5	Avg, ug/M^3	7	3	13	4	70	35
PM 10	Avg, ug/M^3	14	4	26	4	300	150

Monitoring Station Map:

DAILY AIR MONITORING REPORT

Real-Time Particulates

Maui TDS (Olowalu) to PDS (Central) Air Monitoring

10/27/2025

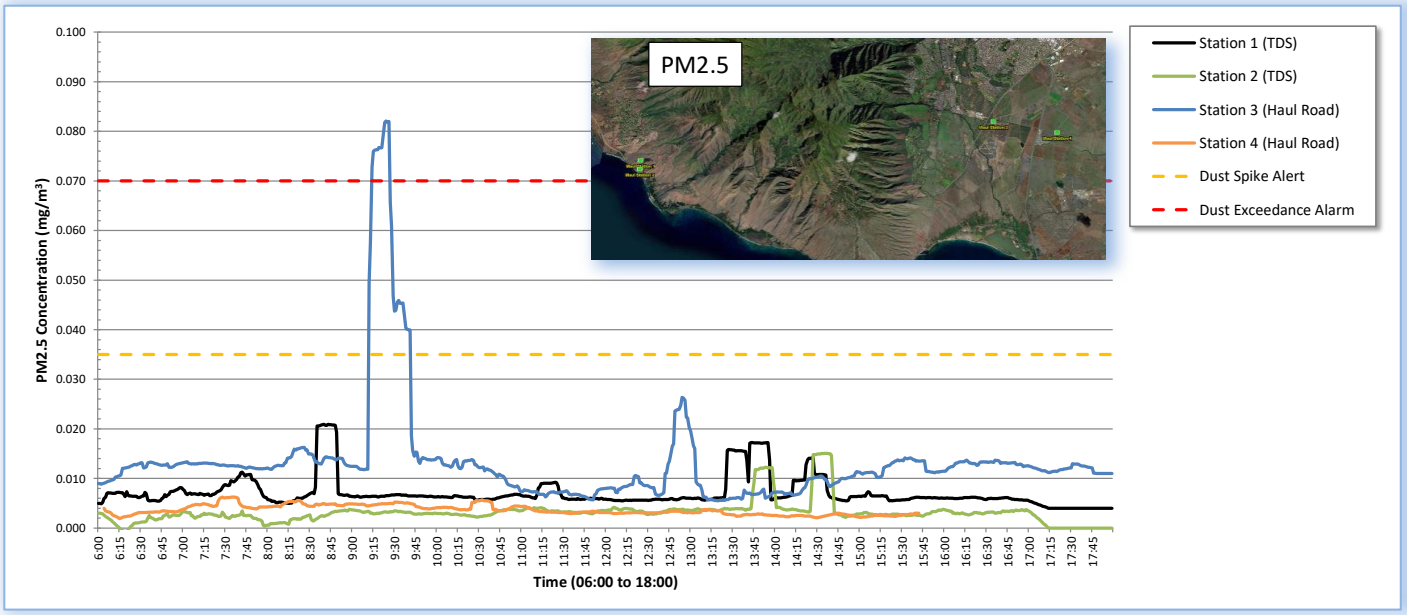
PM2.5 Particulate Summary

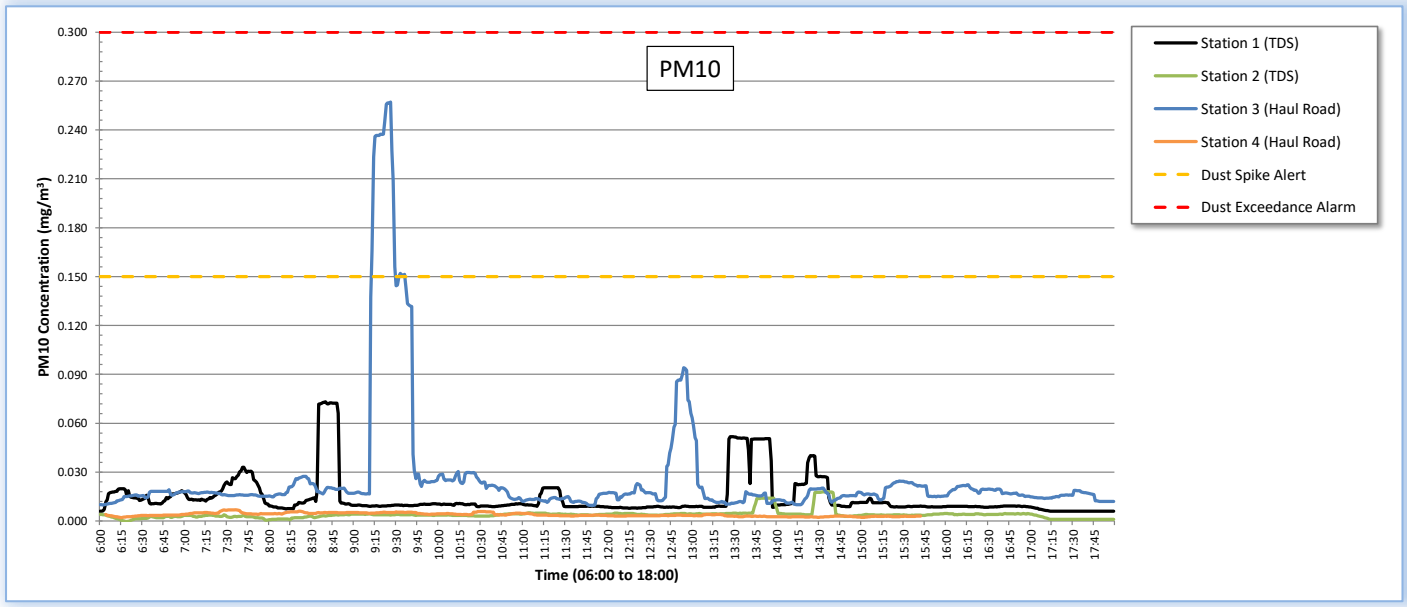
Station ID/Location	Daily Average PM2.5 Conc (mg/m³)	Max PM2.5 Conc (mg/m³)	Time of Max	15-Min Avg PM2.5 Conc (mg/m³)	Max 15-Min PM2.5 Conc (mg/m³)	Time of Max 15-Min Avg
Station 1 (TDS)	0.007	0.195	8:35	0.007	0.021	8:40
Station 2 (TDS)	0.003	0.091	14:27	0.003	0.015	14:35
Station 3 (Haul Road)	0.013	0.576	9:12	0.013	0.082	9:24
Station 4 (Haul Road)	0.004	0.026	10:25	0.004	0.006	7:35

PM10 Particulate Summary

Station ID/Location	Daily Average PM10 Conc (mg/m³)	Max PM10 Conc (mg/m³)	Time of Max	15-Min Avg PM10 Conc (mg/m³)	Max 15-Min PM10 Conc (mg/m³)	Time of Max 15-Min Avg
Station 1 (TDS)	0.014	0.826	8:35	0.014	0.073	8:40
Station 2 (TDS)	0.092	0.106	14:26	0.004	0.018	14:36
Station 3 (Haul Road)	0.026	1.828	9:12	0.026	0.257	9:26
Station 4 (Haul Road)	0.004	0.026	10:25	0.004	0.007	7:36

"--" indicates no data or NA





DEBRIS TRANSPORT AIR MONITORING

MAUI TDS(OLOWALU) TO PDS(CENTRAL)

October 28, 2025

Prepared for
United States Army Corps of Engineers

Prepared by:

ECC Constructors LLC
700 Airport Blvd., Suite 250
Burlingame, CA 94010
Tel: 650.347.1555
Fax: 650.347.8789
Corporate@ecc.net

Debris Transfer Air monitoring: October 28, 2025
Maui TDS (Olowalu) to PDS (Central) Air Monitoring

Summary:

The Air Monitoring and Surveillance Plan includes the use of real-time particulate monitors located in areas around the active debris removal operations. The AMSP has established Daily Project Limits of 70 ug/m3 for particulates in the PM 2.5 size range and 300 ug/m3 for particulates in the PM 10 size range as Daily Average concentrations. The Plan also establishes Operational Control Action Levels at one-half the Project Limit levels to help ensure effectiveness of operational controls.

The data collected by real-time dust monitors is uploaded via cellular telemetry to a cloud-based data management system. In addition to storing the data, the system allows for communications on a real-time basis by text and email, as well as integration and analysis of the data.

The AMSP has established an alert system with criteria so that operational controls can be investigated and, if necessary, adjusted throughout the day so that the particle concentrations remain below the Project Limit. If any 15-minute block average hits an Operational Alert level, the Air Monitoring Team receives an immediate alert which triggers an investigation. If necessary, operational controls can then be immediately adjusted to preclude a Project Limit exceedance. Debris transfer continued today.

Weather:

		TDS	Haul Road
Precipitation		No precipitation is observed all day. The skies are mostly clear. Overnight chance of precipitation is 10%	Skies mostly cloudy. Overnight chance of precipitation is 10%.
Wind Direction		NE	NE
Wind Speed	Average	8 mph	16 mph
	Range	5– 16 mph	4–23 mph

Station Location Summary:

Maui Station 1 and Maui Station 2 were set up at the perimeter of the current TDS. Maui Station 3 and Station 4 were set up on Haul Road.

Station Data:

No stations exceeded the Project limit or the Action Level for the day.

All monitoring at DustTrak Station Two from 0600 to 0930 was not included in today's reports as there was a loose connection on the heating inlet causing it to be inoperable.

		Maui Station 1	Maui Station 2	Maui Station 3	Maui Station 4	Project Limit	Action Level
PM 2.5	Avg, ug/M^3	6	6	9	3	70	35
PM 10	Avg, ug/M^3	11	12	17	3	300	150

Monitoring Station Map:

DAILY AIR MONITORING REPORT

Real-Time Particulates

Maui TDS (Olowalu) to PDS (Central) Air Monitoring

10/28/2025

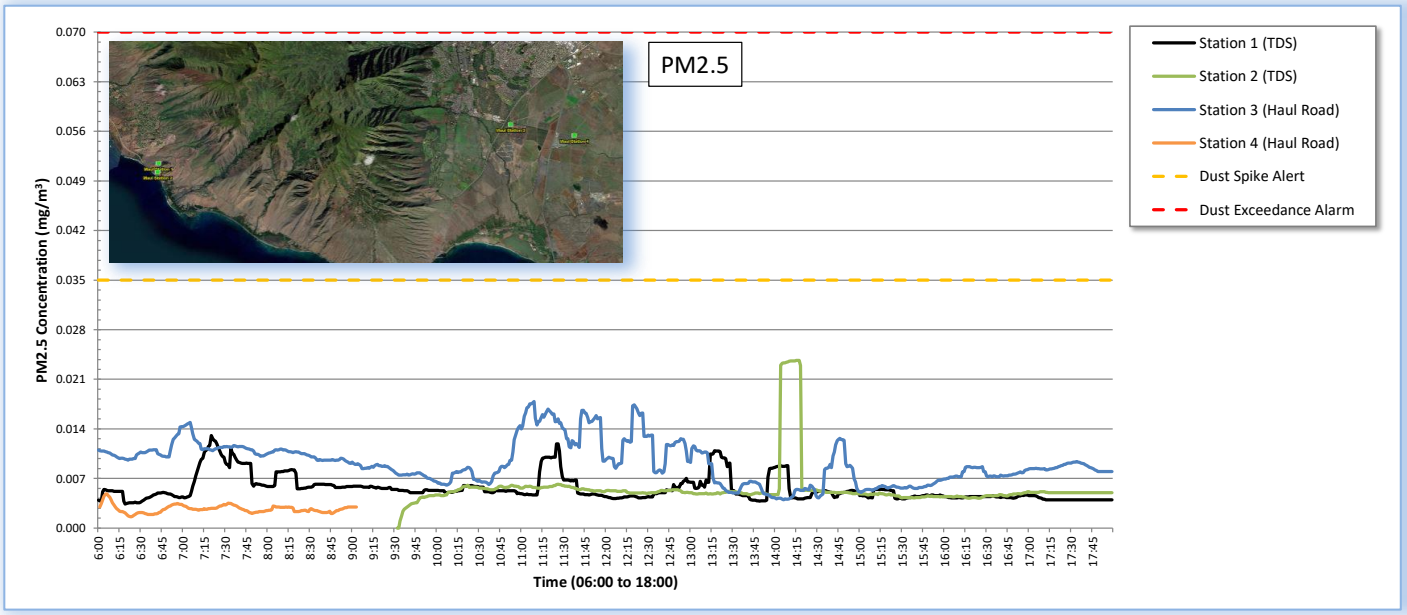
PM2.5 Particulate Summary

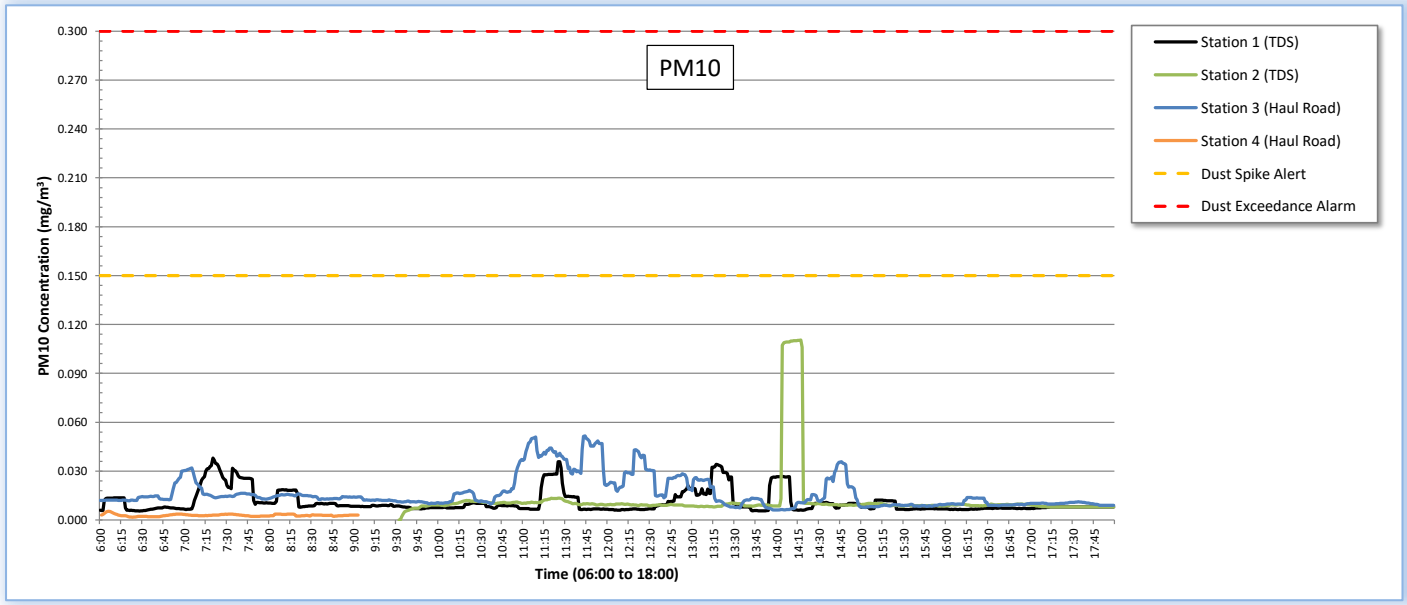
Station ID/Location	Daily Average PM2.5 Conc (mg/m³)	Max PM2.5 Conc (mg/m³)	Time of Max	15-Min Avg PM2.5 Conc (mg/m³)	Max 15-Min PM2.5 Conc (mg/m³)	Time of Max 15-Min Avg
Station 1 (TDS)	0.006	0.064	13:14	0.006	0.013	7:20
Station 2 (TDS)	0.006	0.266	14:04	0.006	0.024	14:15
Station 3 (Haul Road)	0.009	0.085	12:19	0.009	0.018	11:09
Station 4 (Haul Road)	0.003	0.010	8:04	0.003	0.005	6:06

PM10 Particulate Summary

Station ID/Location	Daily Average PM10 Conc (mg/m³)	Max PM10 Conc (mg/m³)	Time of Max	15-Min Avg PM10 Conc (mg/m³)	Max 15-Min PM10 Conc (mg/m³)	Time of Max 15-Min Avg
Station 1 (TDS)	0.011	0.251	13:14	0.011	0.038	7:20
Station 2 (TDS)	0.109	1.422	14:04	0.012	0.110	14:17
Station 3 (Haul Road)	0.017	0.257	11:42	0.017	0.052	11:44
Station 4 (Haul Road)	0.003	0.018	8:04	0.003	0.005	6:06

"--" indicates no data or NA





DEBRIS TRANSPORT AIR MONITORING

MAUI TDS(OLOWALU) TO PDS(CENTRAL)

October 29, 2025

Prepared for
United States Army Corps of Engineers

Prepared by:

ECC Constructors LLC
700 Airport Blvd., Suite 250
Burlingame, CA 94010
Tel: 650.347.1555
Fax: 650.347.8789
Corporate@ecc.net

Debris Transfer Air monitoring: October 29, 2025
Maui TDS (Olowalu) to PDS (Central) Air Monitoring

Summary:

The Air Monitoring and Surveillance Plan includes the use of real-time particulate monitors located in areas around the active debris removal operations. The AMSP has established Daily Project Limits of 70 ug/m3 for particulates in the PM 2.5 size range and 300 ug/m3 for particulates in the PM 10 size range as Daily Average concentrations. The Plan also establishes Operational Control Action Levels at one-half the Project Limit levels to help ensure effectiveness of operational controls.

The data collected by real-time dust monitors is uploaded via cellular telemetry to a cloud-based data management system. In addition to storing the data, the system allows for communications on a real-time basis by text and email, as well as integration and analysis of the data.

The AMSP has established an alert system with criteria so that operational controls can be investigated and, if necessary, adjusted throughout the day so that the particle concentrations remain below the Project Limit. If any 15-minute block average hits an Operational Alert level, the Air Monitoring Team receives an immediate alert which triggers an investigation. If necessary, operational controls can then be immediately adjusted to preclude a Project Limit exceedance. Debris transfer continued today.

Weather:

		TDS	Haul Road
Precipitation		No precipitation is observed all day. The skies are mostly clear. Overnight chance of precipitation is 10%	No precipitation is observed all day. The skies are partly cloudy. Overnight chance of precipitation is 10%.
Wind Direction		NNE	N-NNE
Wind Speed	Average	7 mph	17 mph
	Range	6– 14 mph	5–26 mph

Station Location Summary:

Maui Station 1 and Maui Station 2 were set up at the perimeter of the current TDS. Maui Station 3 and Station 4 were set up on Haul Road.

Station Data:

No stations exceeded the Project limit or the Action Level for the day.

All monitoring at DustTrak Station Two from 0600 to 0930 was not included in today's reports as there was a loose connection on the heating inlet causing it to be inoperable.

		Maui Station 1	Maui Station 2	Maui Station 3	Maui Station 4	Project Limit	Action Level
PM 2.5	Avg, ug/M^3	5	13	10	3	70	35
PM 10	Avg, ug/M^3	10	23	19	3	300	150

Monitoring Station Map:

DAILY AIR MONITORING REPORT

Real-Time Particulates

Maui TDS (Olowalu) to PDS (Central) Air Monitoring

10/29/2025

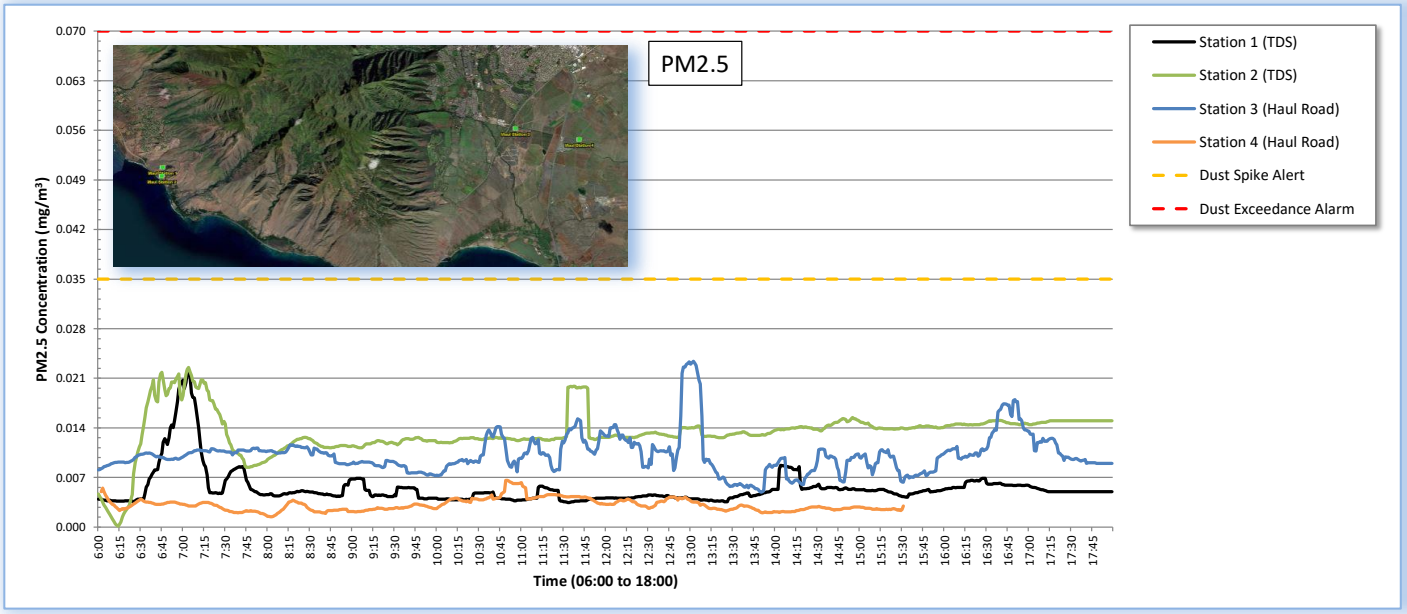
PM2.5 Particulate Summary

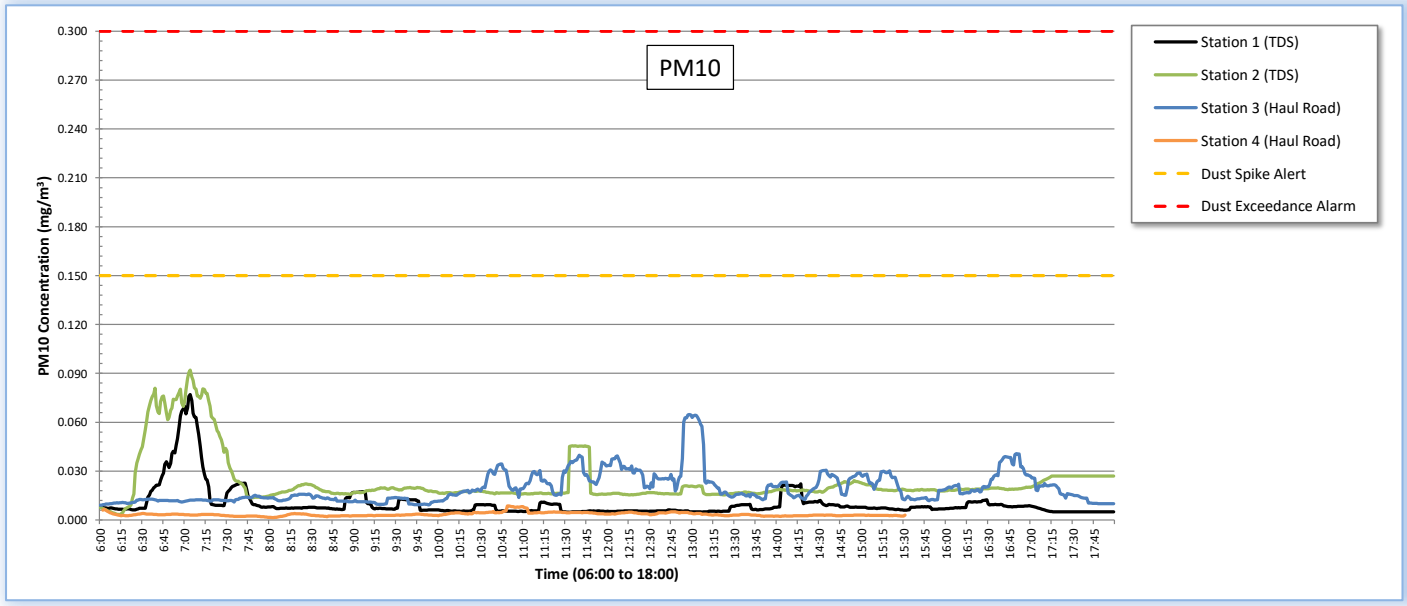
Station ID/Location	Daily Average PM2.5 Conc (mg/m³)	Max PM2.5 Conc (mg/m³)	Time of Max	15-Min Avg PM2.5 Conc (mg/m³)	Max 15-Min PM2.5 Conc (mg/m³)	Time of Max 15-Min Avg
Station 1 (TDS)	0.005	0.048	14:03	0.005	0.022	7:04
Station 2 (TDS)	0.013	0.117	11:33	0.013	0.023	7:04
Station 3 (Haul Road)	0.010	0.098	12:54	0.010	0.023	13:02
Station 4 (Haul Road)	0.003	0.028	10:49	0.003	0.007	10:49

PM10 Particulate Summary

Station ID/Location	Daily Average PM10 Conc (mg/m³)	Max PM10 Conc (mg/m³)	Time of Max	15-Min Avg PM10 Conc (mg/m³)	Max 15-Min PM10 Conc (mg/m³)	Time of Max 15-Min Avg
Station 1 (TDS)	0.010	0.162	14:03	0.010	0.077	7:04
Station 2 (TDS)	0.094	0.438	11:33	0.023	0.092	7:04
Station 3 (Haul Road)	0.019	0.350	12:54	0.019	0.065	12:58
Station 4 (Haul Road)	0.003	0.050	10:49	0.003	0.009	10:49

"--" indicates no data or NA





DEBRIS TRANSPORT AIR MONITORING

MAUI TDS(OLOWALU) TO PDS(CENTRAL)

October 30, 2025

Prepared for
United States Army Corps of Engineers

Prepared by:

ECC Constructors LLC
700 Airport Blvd., Suite 250
Burlingame, CA 94010
Tel: 650.347.1555
Fax: 650.347.8789
Corporate@ecc.net

Debris Transfer Air monitoring: October 30, 2025
Maui TDS (Olowalu) to PDS (Central) Air Monitoring

Summary:

The Air Monitoring and Surveillance Plan includes the use of real-time particulate monitors located in areas around the active debris removal operations. The AMSP has established Daily Project Limits of 70 ug/m3 for particulates in the PM 2.5 size range and 300 ug/m3 for particulates in the PM 10 size range as Daily Average concentrations. The Plan also establishes Operational Control Action Levels at one-half the Project Limit levels to help ensure effectiveness of operational controls.

The data collected by real-time dust monitors is uploaded via cellular telemetry to a cloud-based data management system. In addition to storing the data, the system allows for communications on a real-time basis by text and email, as well as integration and analysis of the data.

The AMSP has established an alert system with criteria so that operational controls can be investigated and, if necessary, adjusted throughout the day so that the particle concentrations remain below the Project Limit. If any 15-minute block average hits an Operational Alert level, the Air Monitoring Team receives an immediate alert which triggers an investigation. If necessary, operational controls can then be immediately adjusted to preclude a Project Limit exceedance.

Weather:

		TDS	Haul Road
Precipitation		Isolated light rain showers observed throughout the day. The skies are partly cloudy. Overnight chance of precipitation is 10%	No precipitation is observed all day. The skies are partly cloudy. Overnight chance of precipitation is 10%.
Wind Direction		N	NNE
Wind Speed	Average	8 mph	19 mph
	Range	6– 17 mph	12–26 mph

Station Location Summary:

Maui Station 1 and Maui Station 2 were set up at the perimeter of the current TDS. Maui Station 3 was set up on Haul Road. No hauling occurred today, only earth moving TDS site operations.

Station Data:

No stations exceeded the Project limit or the Action Level for the day.

		Maui Station 1	Maui Station 2	Maui Station 3	Maui Station 4	Project Limit	Action Level
PM 2.5	Avg, ug/M^3	4	11	5	--	70	35
PM 10	Avg, ug/M^3	7	16	15	--	300	150

Monitoring Station Map:

DAILY AIR MONITORING REPORT

Real-Time Particulates

Maui TDS (Olowalu) to PDS (Central) Air Monitoring

10/30/2025

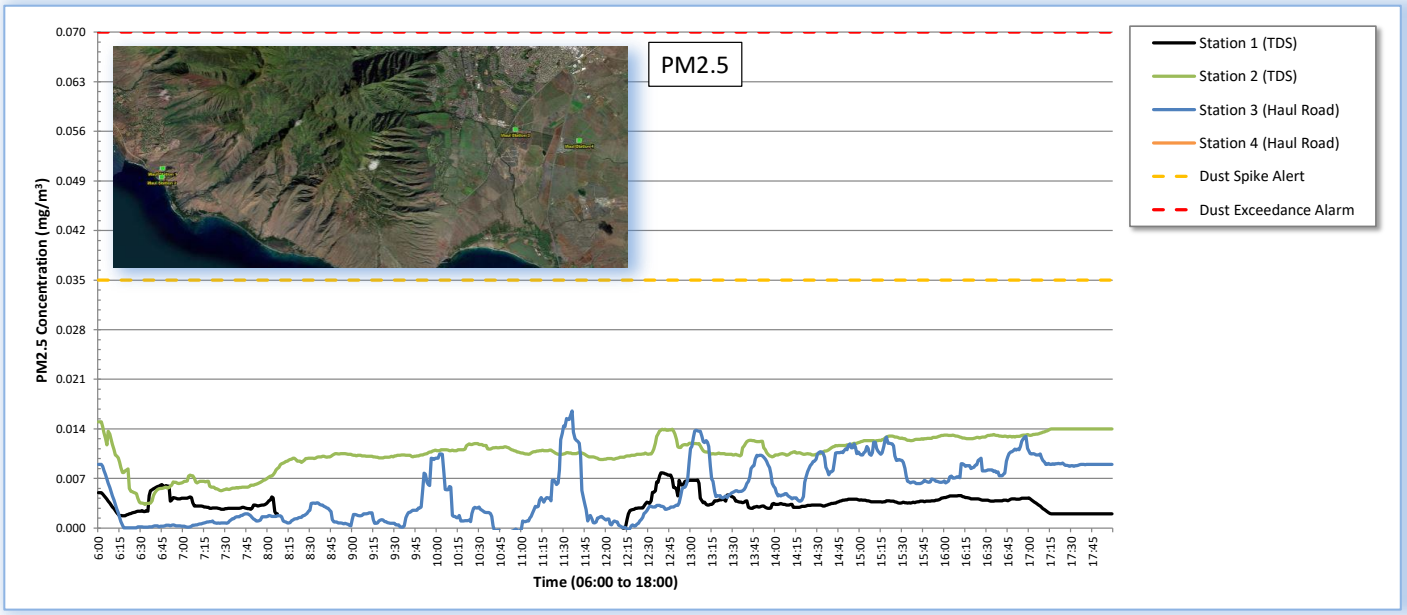
PM2.5 Particulate Summary

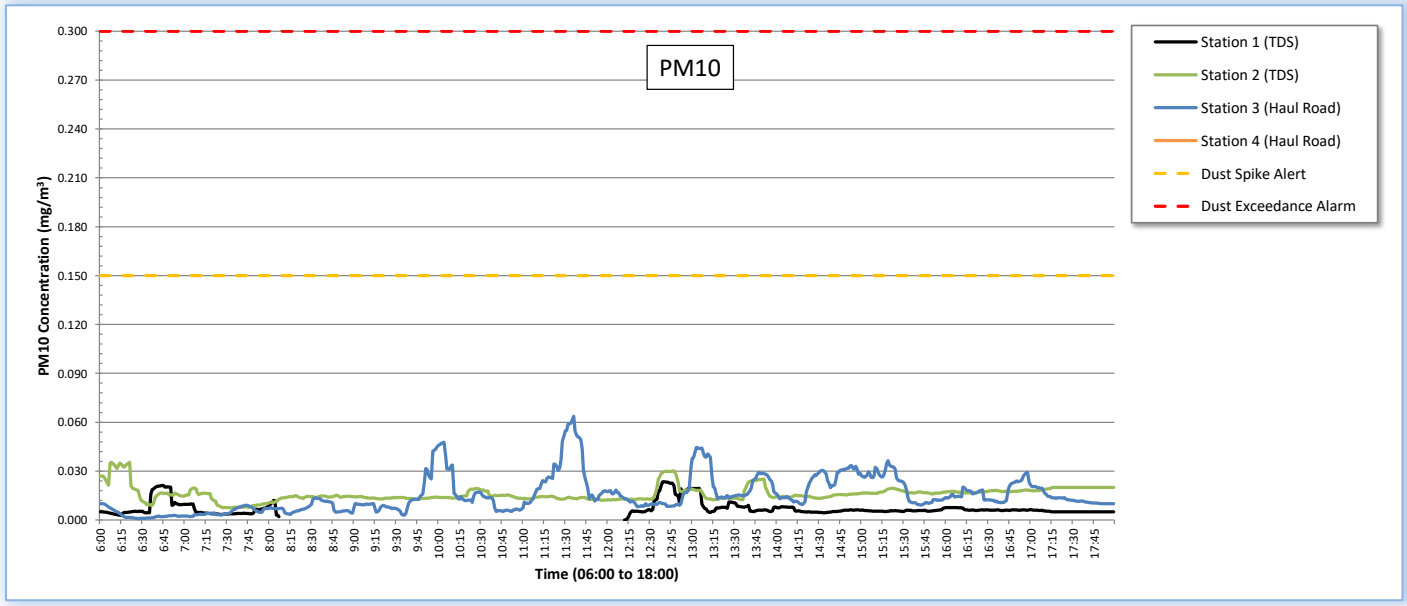
Station ID/Location	Daily Average PM2.5 Conc (mg/m³)	Max PM2.5 Conc (mg/m³)	Time of Max	15-Min Avg PM2.5 Conc (mg/m³)	Max 15-Min PM2.5 Conc (mg/m³)	Time of Max 15-Min Avg
Station 1 (TDS)	0.004	0.035	6:36	0.004	0.008	12:40
Station 2 (TDS)	0.011	0.044	6:07	0.011	0.015	6:00
Station 3 (Haul Road)	0.005	0.076	11:28	0.005	0.017	11:36
Station 4 (Haul Road)	--	--	--	--	--	--

PM10 Particulate Summary

Station ID/Location	Daily Average PM10 Conc (mg/m³)	Max PM10 Conc (mg/m³)	Time of Max	15-Min Avg PM10 Conc (mg/m³)	Max 15-Min PM10 Conc (mg/m³)	Time of Max 15-Min Avg
Station 1 (TDS)	0.007	0.172	6:36	0.007	0.023	12:40
Station 2 (TDS)	0.115	0.232	6:07	0.016	0.035	6:21
Station 3 (Haul Road)	0.015	0.264	9:56	0.015	0.064	11:36
Station 4 (Haul Road)	--	--	--	--	--	--

"--" indicates no data or NA





DEBRIS TRANSPORT AIR MONITORING

MAUI TDS(OLOWALU) TO PDS(CENTRAL)

October 31, 2025

Prepared for
United States Army Corps of Engineers

Prepared by:

ECC Constructors LLC
700 Airport Blvd., Suite 250
Burlingame, CA 94010
Tel: 650.347.1555
Fax: 650.347.8789
Corporate@ecc.net

Debris Transfer Air monitoring: October 31, 2025
Maui TDS (Olowalu) to PDS (Central) Air Monitoring

Summary:

The Air Monitoring and Surveillance Plan includes the use of real-time particulate monitors located in areas around the active debris removal operations. The AMSP has established Daily Project Limits of 70 ug/m3 for particulates in the PM 2.5 size range and 300 ug/m3 for particulates in the PM 10 size range as Daily Average concentrations. The Plan also establishes Operational Control Action Levels at one-half the Project Limit levels to help ensure effectiveness of operational controls.

The data collected by real-time dust monitors is uploaded via cellular telemetry to a cloud-based data management system. In addition to storing the data, the system allows for communications on a real-time basis by text and email, as well as integration and analysis of the data.

The AMSP has established an alert system with criteria so that operational controls can be investigated and, if necessary, adjusted throughout the day so that the particle concentrations remain below the Project Limit. If any 15-minute block average hits an Operational Alert level, the Air Monitoring Team receives an immediate alert which triggers an investigation. If necessary, operational controls can then be immediately adjusted to preclude a Project Limit exceedance. Debris transfer continued today

Weather:

		TDS	Haul Road
Precipitation		Light scattered showers observed periodically in the morning. The skies are mostly clear. Overnight chance of precipitation is 10%	No precipitation is observed all day. The skies are partly cloudy. Overnight chance of precipitation is 10%.
Wind Direction		NE	N-NNE
Wind Speed	Average	9 mph	17 mph
	Range	6– 17 mph	3–31 mph

Station Location Summary:

Maui Station 1 and Maui Station 2 were set up at the perimeter of the current TDS. Maui Station 3 and Maui Station 4 were set up on Haul Road.

Station Data:

No stations exceeded the Project limit or the Action Level for the day. Notifications occurring at station 3 at 1300 and 1303 were investigated by the air monitoring team (AMT). These non-sustained PM2.5 spikes were likely caused by dust being kicked up from a nearby dirt road by strong wind gusts. These notifications were not due to TDS to PDS debris removal operations.

		Maui Station 1	Maui Station 2	Maui Station 3	Maui Station 4	Project Limit	Action Level
PM 2.5	Avg, ug/M^3	5	12	11	2	70	35
PM 10	Avg, ug/M^3	10	19	25	2	300	150

Monitoring Station Map:

DAILY AIR MONITORING REPORT

Real-Time Particulates

Maui TDS (Olowalu) to PDS (Central) Air Monitoring

10/31/2025

PM2.5 Particulate Summary

Station ID/Location	Daily Average PM2.5 Conc (mg/m³)	Max PM2.5 Conc (mg/m³)	Time of Max	15-Min Avg PM2.5 Conc (mg/m³)	Max 15-Min PM2.5 Conc (mg/m³)	Time of Max 15-Min Avg
Station 1 (TDS)	0.005	0.139	14:31	0.005	0.015	9:27
Station 2 (TDS)	0.012	0.025	7:10	0.012	0.014	11:16
Station 3 (Haul Road)	0.011	0.224	13:00	0.011	0.043	13:01
Station 4 (Haul Road)	0.002	0.014	10:37	0.002	0.004	10:39

PM10 Particulate Summary

Station ID/Location	Daily Average PM10 Conc (mg/m³)	Max PM10 Conc (mg/m³)	Time of Max	15-Min Avg PM10 Conc (mg/m³)	Max 15-Min PM10 Conc (mg/m³)	Time of Max 15-Min Avg
Station 1 (TDS)	0.010	0.638	9:25	0.010	0.055	9:26
Station 2 (TDS)	0.094	0.076	7:10	0.019	0.041	17:21
Station 3 (Haul Road)	0.025	0.768	13:00	0.025	0.140	13:01
Station 4 (Haul Road)	0.002	0.017	10:37	0.002	0.004	10:39

"--" indicates no data or NA