DEBRIS TRANSPORT AIR MONITORING

MAUI TDS(OLOWALU) TO PDS(CENTRAL)

August 01, 2025

Prepared for
United States Army Corps of Engineers

Prepared by:

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Debris Transfer Air monitoring: August 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.

Debris transfer continued today.

Weather:

		TDS	Haul Road
Precipitation		No precipitation observed all day. Skies clear and sunny. Overnight chance of precipitation is 10%.	No precipitation observed all day. Skies mostly clear. Overnight chance of precipitation is 10%.
Wind Direction		W-SW	NE
Wind Speed	Average	7 mph	28 mph
	Range	5– 22 mph	10–43 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. The following notifications were investigated by the air monitoring team:

Maui Station 1: Notifications occurring at 0847 were investigated by the air monitoring team (AMT). A large cloud of dust kicked up by wind gusts was observed. This dust cloud coincided with the notifications and was likely the source of the PM2.5 and PM10 spikes. These notifications were not likely related to debris excavation operations at TDS.

		Maui Station 1	Maui Station 2	Maui Station 3	Maui Station 4	Project Limit	Action Level
PM 2.5	Avg, ug/M^3	5	7	8	5	70	35
PM 10	Avg, ug/M^3	16	90	20	14	300	150

Monitoring Station Map:

DAILY AIR MONITORING REPORT

Real-Time Particulates

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

8/1/2025

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)	0.005	0.253	8:47	0.006	0.062	8:55
Station 2 (TDS)	0.007	0.058	8:43	0.007	0.016	8:55
Station 3 (Haul Road)	0.008	0.057	13:29	0.008	0.020	12:10
Station 4 (Haul Road)	0.005	0.015	16:21	0.005	0.009	17:11

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	1.122	8:46	0.017	0.262	8:55
Station 2 (TDS)	0.090	0.247	8:43	0.018	0.064	8:55
Station 3 (Haul Road)	0.020	0.161	13:29	0.020	0.062	12:10
Station 4 (Haul Road)	0.014	0.052	16:21	0.014	0.028	17:11

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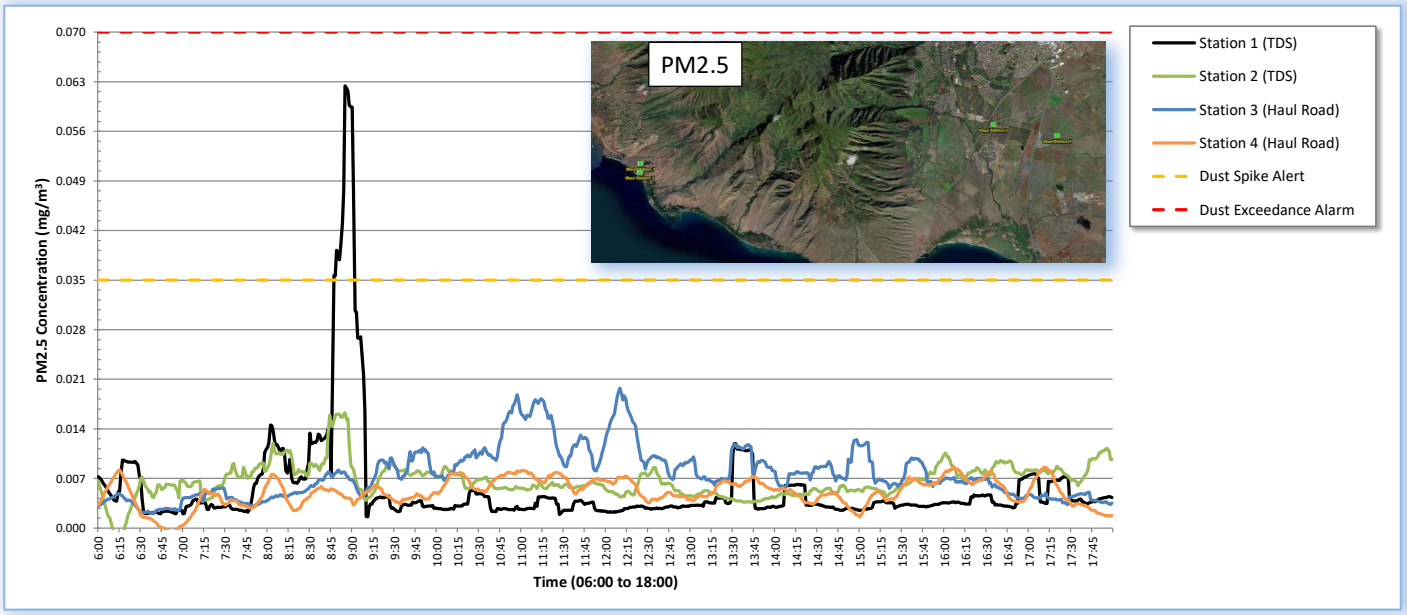

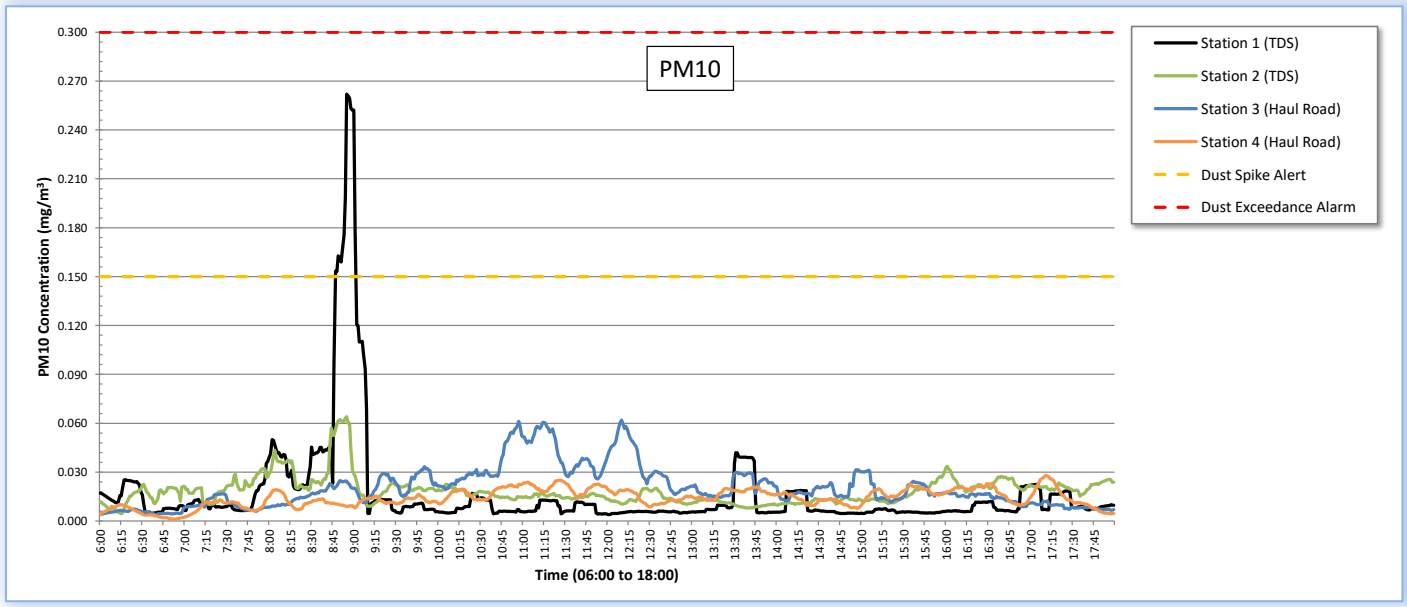

DEBRIS TRANSPORT AIR MONITORING

MAUI TDS(OLOWALU) TO PDS(CENTRAL)

August 02, 2025

Prepared for
United States Army Corps of Engineers

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Debris Transfer Air monitoring: August 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.

Debris transfer continued today.

Weather:

		TDS	Haul Road
Precipitation		No precipitation observed all day. Skies clear and sunny. Overnight chance of precipitation is 10%.	No precipitation observed all day. Skies mostly clear. Overnight chance of precipitation is 10%.
Wind Direction		W-SW	N-E
Wind Speed	Average	9 mph	20 mph
	Range	1– 22 mph	15–43 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. The following notifications were investigated by the air monitoring team:

Maui Station 2: Notifications occurring at 0653 and 0658 included one PM2.5 spike and two PM10 spikes and were investigated by the air monitoring team (AMT). Thin clouds of dust were observed being generated from the sandbag filling area at the time of the initial notification. There was also some dust being kicked up from the road by debris trucks. Minimal wind conditions allowed dust to remain suspended in the air around the station for a prolonged period. A water truck was observed spraying the road shortly after these spikes. Readings at station two returned to acceptable levels after the spikes.

		Maui Station 1	Maui Station 2	Maui Station 3	Maui Station 4	Project Limit	Action Level
PM 2.5	Avg, ug/M^3	5	8	8	5	70	35
PM 10	Avg, ug/M^3	13	92	20	12	300	150

Monitoring Station Map:

DAILY AIR MONITORING REPORT

Real-Time Particulates

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

8/2/2025

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)	0.005	0.137	8:51	0.005	0.017	9:05
Station 2 (TDS)	0.008	0.071	6:41	0.008	0.042	7:05
Station 3 (Haul Road)	0.008	0.067	12:41	0.008	0.029	12:50
Station 4 (Haul Road)	0.005	0.019	11:59	0.005	0.009	13:47

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)	0.013	0.493	8:51	0.012	0.063	9:05
Station 2 (TDS)	0.092	0.285	6:41	0.025	0.168	7:05
Station 3 (Haul Road)	0.020	0.219	12:41	0.020	0.085	12:50
Station 4 (Haul Road)	0.012	0.042	12:48	0.012	0.026	12:54

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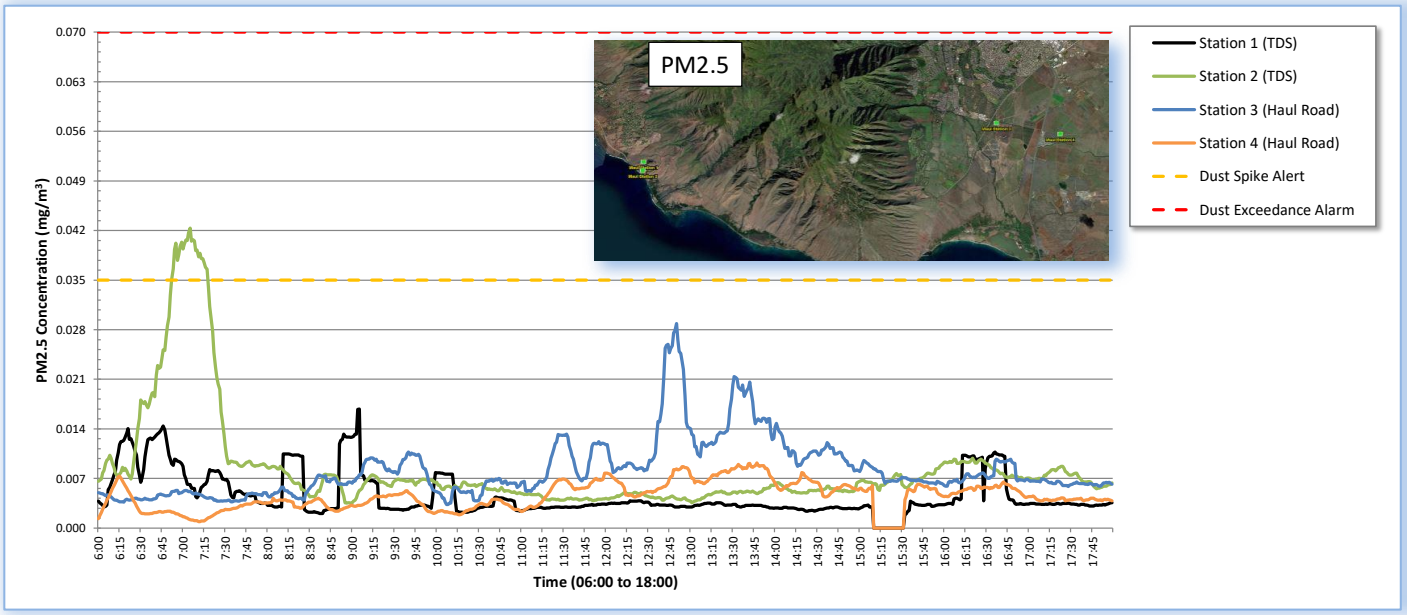

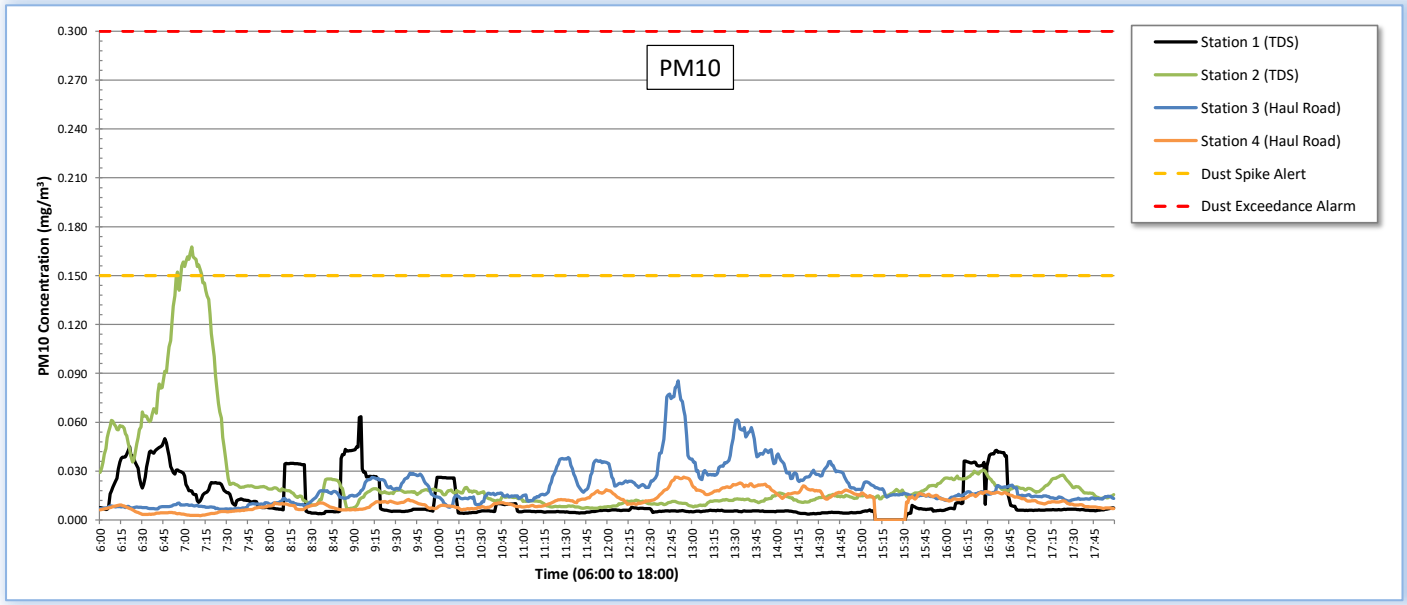

DEBRIS TRANSPORT AIR MONITORING

MAUI TDS(OLOWALU) TO PDS(CENTRAL)

August 03, 2025

Prepared for
United States Army Corps of Engineers

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Debris Transfer Air monitoring: August 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.

Debris transfer continued today.

Weather:

		TDS	Haul Road
Precipitation		No precipitation observed all day. Skies clear and sunny. Overnight chance of precipitation is 10%.	No precipitation observed all day. Skies mostly clear. Overnight chance of precipitation is 10%.
Wind Direction		W-SW	N-NE
Wind Speed	Average	8 mph	22 mph
	Range	3– 23 mph	18–43 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	5	7	5	70	35
PM 10	Avg, ug/M^3	9	88	17	9	300	150

Monitoring Station Map:

DAILY AIR MONITORING REPORT

Real-Time Particulates

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

8/3/2025

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	0.072	13:31	0.004	0.015	6:31
Station 2 (TDS)	0.005	0.056	13:31	0.005	0.019	6:38
Station 3 (Haul Road)	0.007	0.086	8:32	0.007	0.013	8:46
Station 4 (Haul Road)	0.005	0.016	16:50	0.005	0.010	16:32

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	0.265	17:22	0.009	0.050	6:31
Station 2 (TDS)	0.088	0.227	13:31	0.015	0.076	6:37
Station 3 (Haul Road)	0.017	0.115	11:43	0.017	0.037	11:48
Station 4 (Haul Road)	0.009	0.036	16:24	0.010	0.025	16:33

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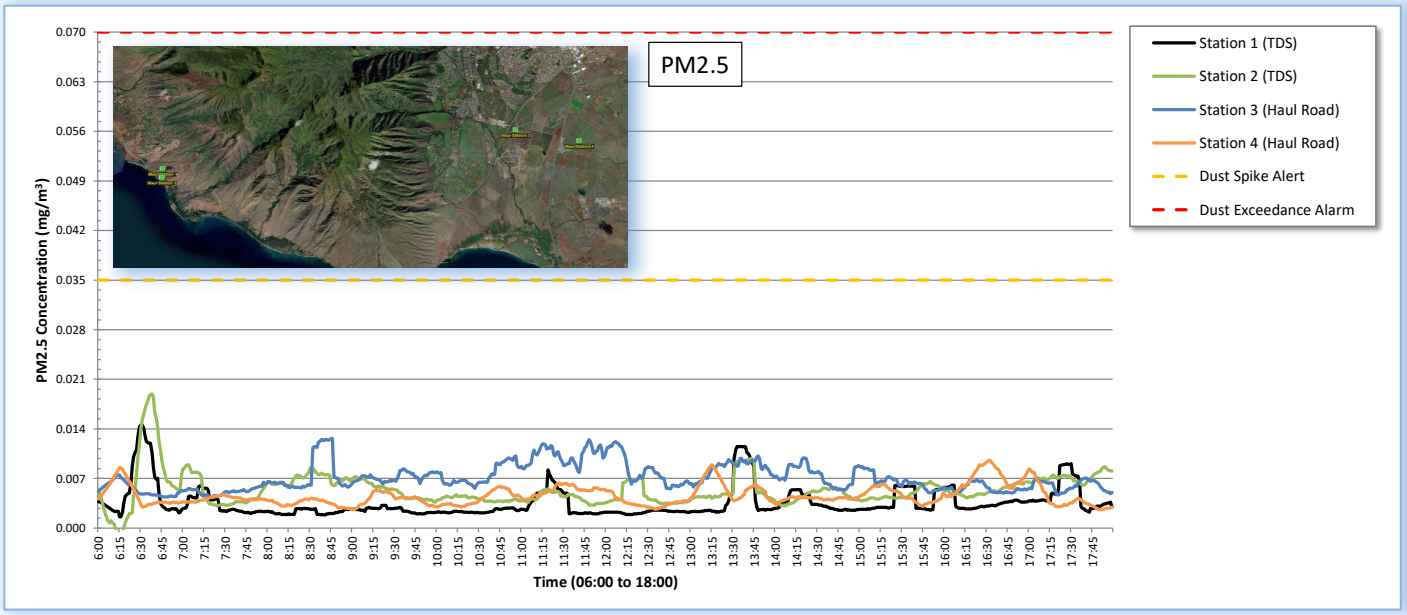

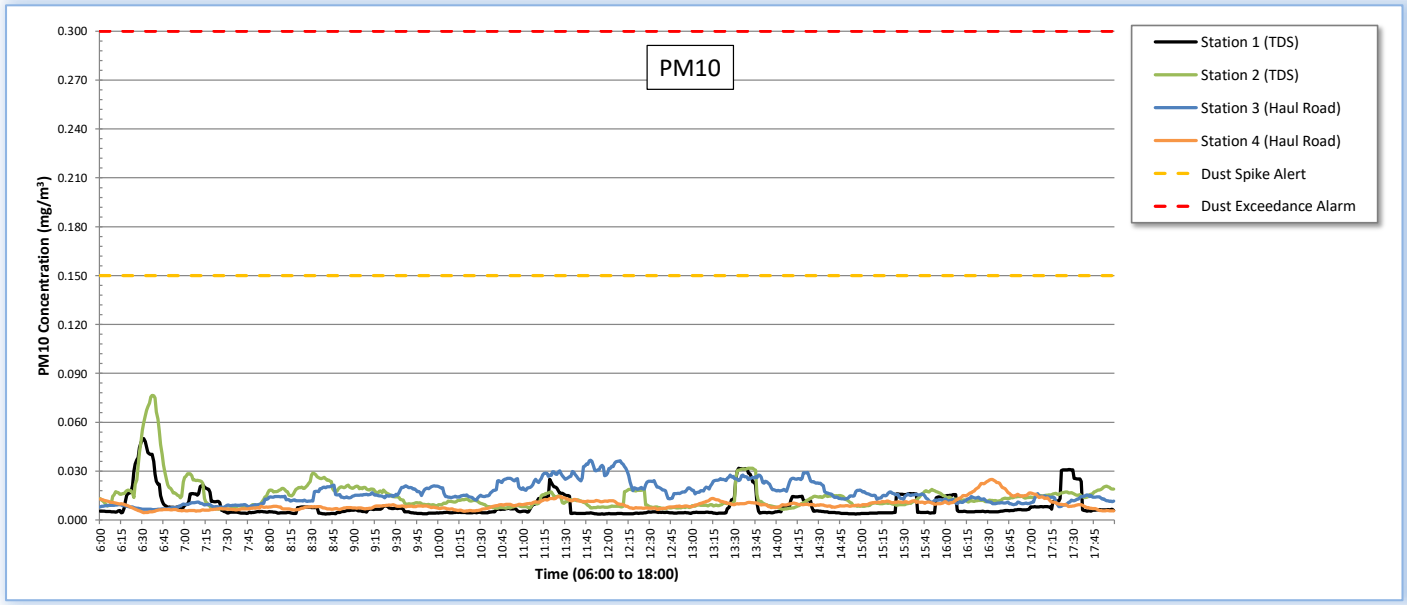

DEBRIS TRANSPORT AIR MONITORING

MAUI TDS(OLOWALU) TO PDS(CENTRAL)

August 04, 2025

Prepared for
United States Army Corps of Engineers

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Debris Transfer Air monitoring: August 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.

Debris transfer continued today.

Weather:

		TDS	Haul Road
Precipitation		No precipitation observed all day. Skies clear and sunny. Overnight chance of precipitation is 10%.	No precipitation observed all day. Skies mostly clear. Overnight chance of precipitation is 10%.
Wind Direction		N-W	N
Wind Speed	Average	9 mph	18 mph
	Range	3– 18 mph	14–38 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	6	7	6	6	70	35
PM 10	Avg, ug/M^3	12	89	13	11	300	150

Monitoring Station Map:

DAILY AIR MONITORING REPORT

Real-Time Particulates

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

8/4/2025

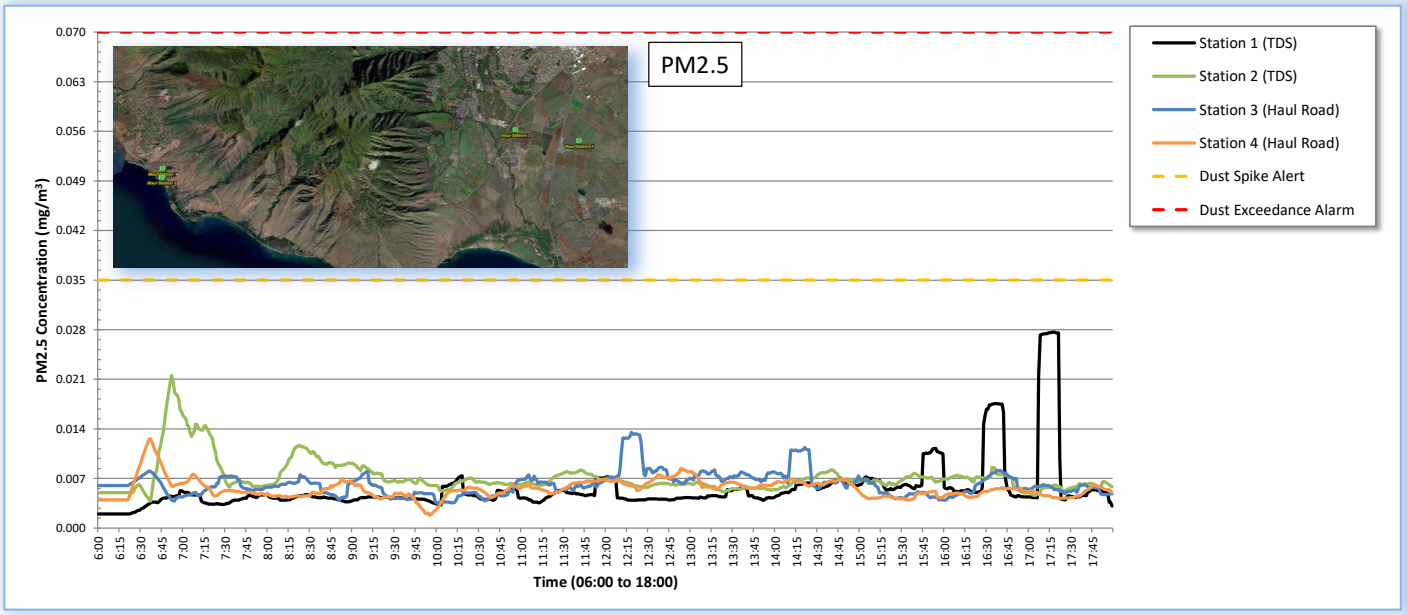
PM2.5 Particulate Summary

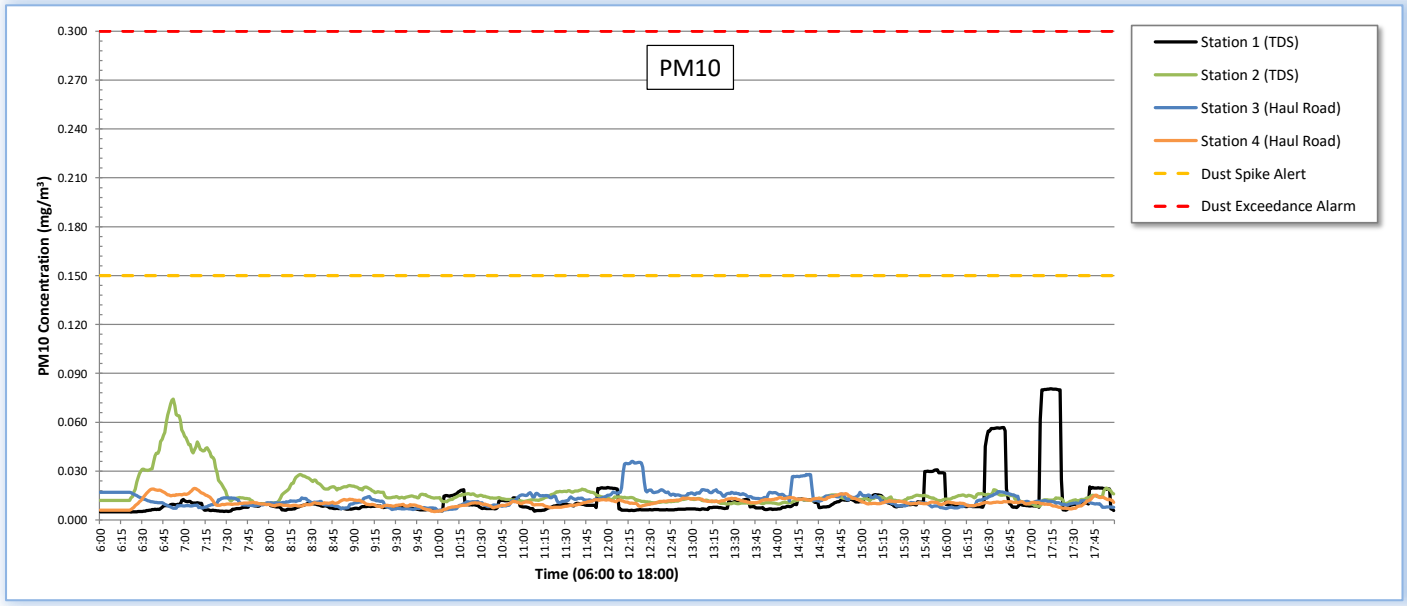
Station ID/Location	Daily Average PM2.5 Conc (mg/m³)	Max PM2.5 Conc (mg/m³)	Time of Max	15-Min Avg PM2.5 Conc (mg/m³)	Max 15-Min PM2.5 Conc (mg/m³)	Time of Max 15-Min Avg
Station 1 (TDS)	0.006	0.267	17:07	0.006	0.028	17:17
Station 2 (TDS)	0.007	0.036	6:43	0.007	0.022	6:52
Station 3 (Haul Road)	0.006	0.050	14:11	0.006	0.014	12:18
Station 4 (Haul Road)	0.006	0.016	12:53	0.006	0.013	6:36

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)	0.012	0.834	17:07	0.012	0.081	17:14
Station 2 (TDS)	0.089	0.127	6:43	0.017	0.074	6:52
Station 3 (Haul Road)	0.013	0.157	12:11	0.013	0.036	12:17
Station 4 (Haul Road)	0.011	0.029	7:04	0.011	0.019	7:07

"--" indicates no data or NA





DEBRIS TRANSPORT AIR MONITORING

MAUI TDS(OLOWALU) TO PDS(CENTRAL)

August 05, 2025

Prepared for
United States Army Corps of Engineers

Prepared by:

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Debris Transfer Air monitoring: August 05, 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 observed all day. Skies clear and sunny. Overnight chance of precipitation is 10%.	No precipitation observed all day. Skies mostly clear. Overnight chance of precipitation is 10%.
Wind Direction		N-W	N
Wind Speed	Average	9 mph	20 mph
	Range	1– 18 mph	15–29 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	4	3	70	35
PM 10	Avg, ug/M^3	8	88	8	6	300	150

Monitoring Station Map:

DAILY AIR MONITORING REPORT

Real-Time Particulates

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

8/5/2025

PM2.5 Particulate Summary

Station ID/Location	Daily Average PM2.5 Conc (mg/m³)	Max PM2.5 Conc (mg/m³)	Time of Max	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	0.055	16:43	0.004	0.018	16:54
Station 2 (TDS)	0.006	0.125	6:58	0.006	0.031	7:00
Station 3 (Haul Road)	0.004	0.032	8:26	0.004	0.008	10:35
Station 4 (Haul Road)	0.003	0.015	15:25	0.003	0.010	6:15

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	0.178	16:43	0.008	0.065	16:54
Station 2 (TDS)	0.088	0.593	6:58	0.018	0.128	7:00
Station 3 (Haul Road)	0.008	0.107	8:26	0.008	0.022	10:35
Station 4 (Haul Road)	0.006	0.022	8:39	0.006	0.012	6:15

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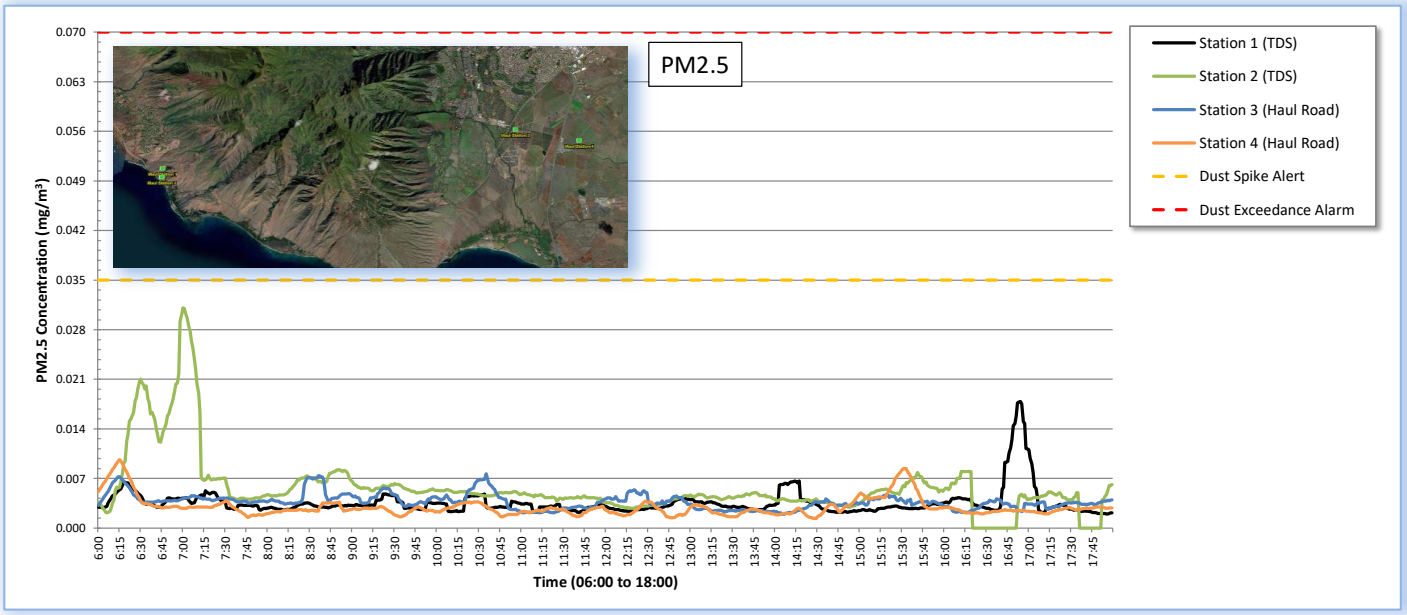

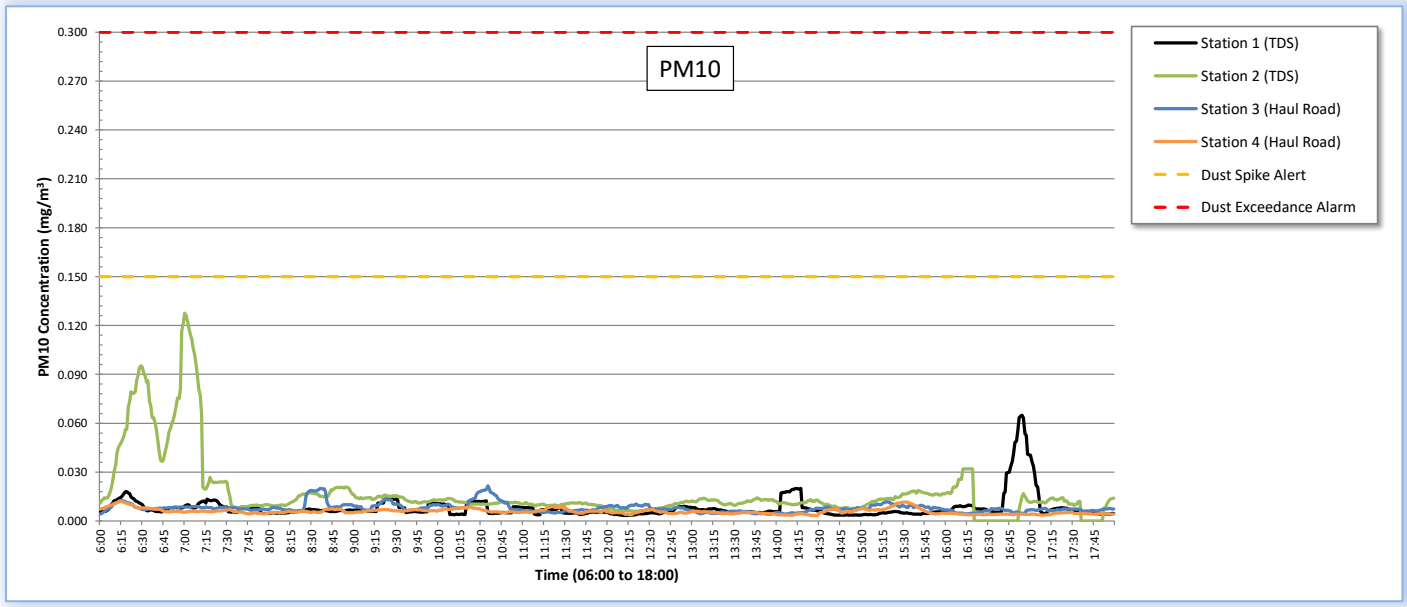

DEBRIS TRANSPORT AIR MONITORING

MAUI TDS(OLOWALU) TO PDS(CENTRAL)

August 06, 2025

Prepared for
United States Army Corps of Engineers

Prepared by:

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Debris Transfer Air monitoring: August 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.

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Debris transfer continued today.

Weather:

		TDS	Haul Road
Precipitation		No precipitation observed all day. Skies clear and sunny. Overnight chance of precipitation is 30%.	No precipitation observed all day. Skies mostly clear. Overnight chance of precipitation is 30%.
Wind Direction		W-SW	N-NE
Wind Speed	Average	6 mph	14 mph
	Range	3– 13 mph	5–23 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.

		Maui Station 1	Maui Station 2	Maui Station 3	Maui Station 4	Project Limit	Action Level
PM 2.5	Avg, ug/M^3	3	3	1	2	70	35
PM 10	Avg, ug/M^3	8	86	3	3	300	150

Monitoring Station Map:

DAILY AIR MONITORING REPORT

Real-Time Particulates

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

8/6/2025

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)	0.003	0.075	12:16	0.003	0.019	6:06
Station 2 (TDS)	0.003	0.040	16:48	0.003	0.015	14:28
Station 3 (Haul Road)	0.001	0.097	12:02	0.001	0.009	12:03
Station 4 (Haul Road)	0.002	0.033	14:32	0.002	0.010	12:05

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)	0.008	0.273	6:06	0.008	0.068	6:06
Station 2 (TDS)	0.086	0.218	16:48	0.009	0.051	17:01
Station 3 (Haul Road)	0.003	0.099	12:02	0.003	0.010	8:49
Station 4 (Haul Road)	0.003	0.037	14:32	0.003	0.011	12:05

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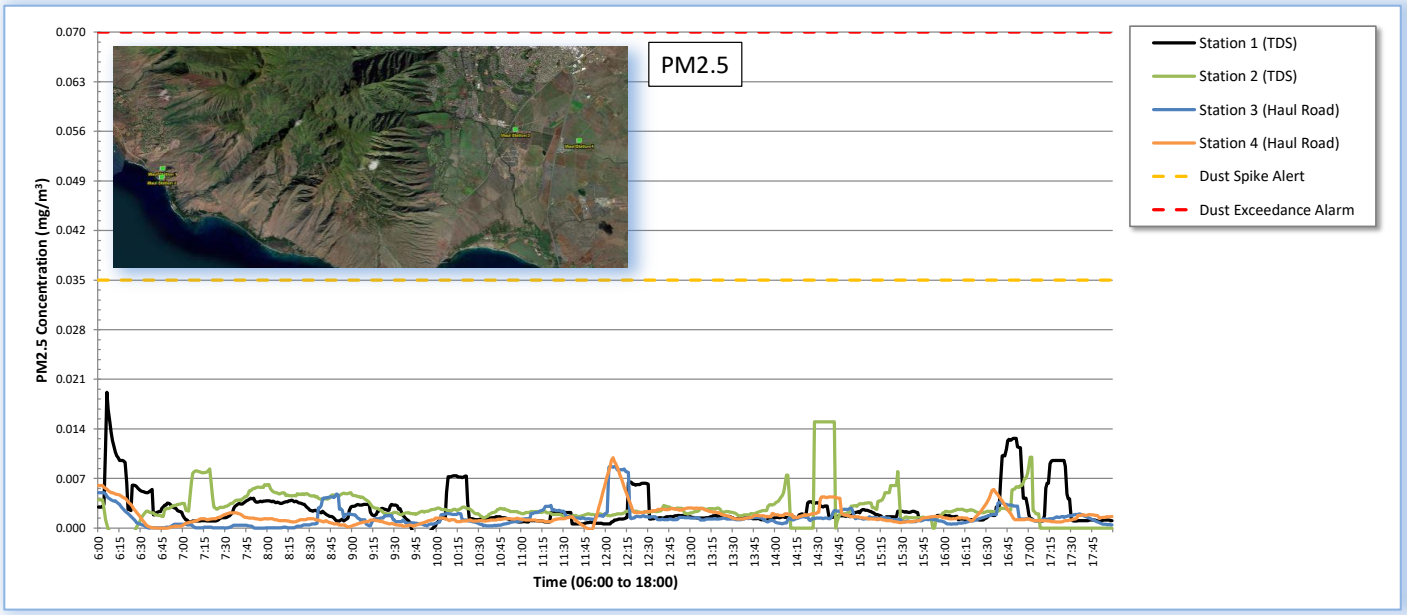

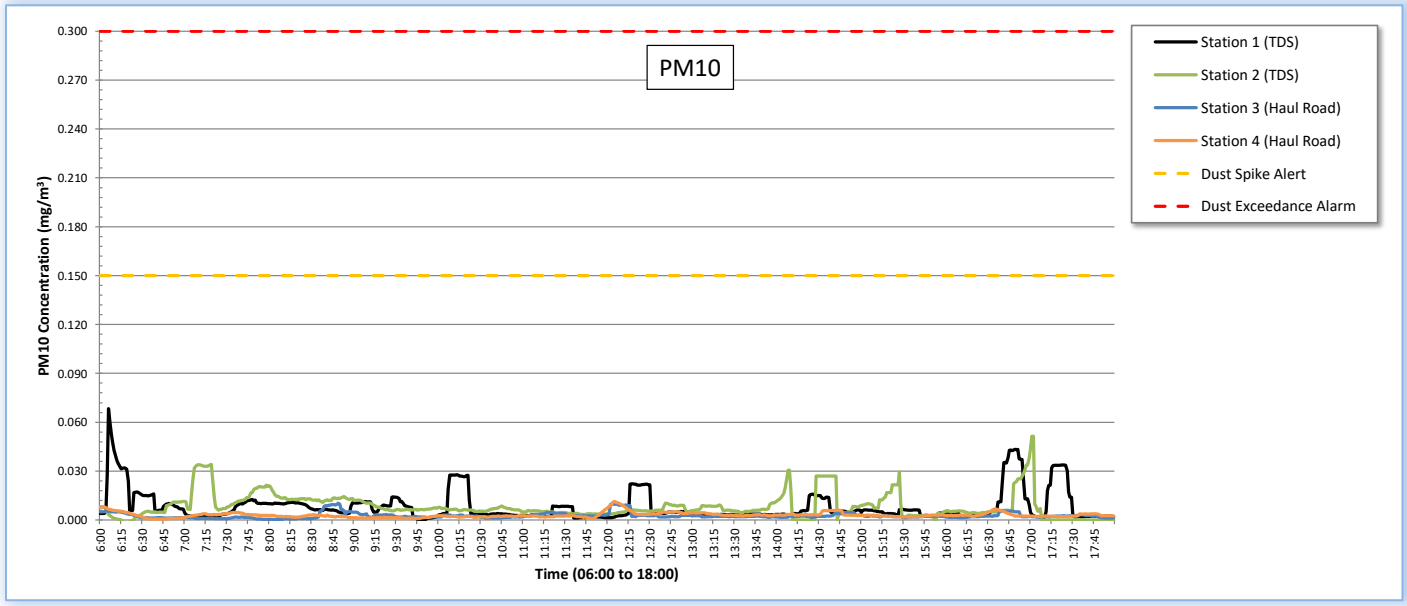

DEBRIS TRANSPORT AIR MONITORING

MAUI TDS(OLOWALU) TO PDS(CENTRAL)

August 07, 2025

Prepared for
United States Army Corps of Engineers

Prepared by:

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Debris Transfer Air monitoring: August 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.

Debris transfer continued today.

Weather:

		TDS	Haul Road
Precipitation		No precipitation observed all day. Skies clear and sunny. Overnight chance of precipitation is 10%.	No precipitation observed all day. Skies mostly clear. Overnight chance of precipitation is 10%.
Wind Direction		W-SW	N-NE
Wind Speed	Average	8 mph	18 mph
	Range	2– 17 mph	10–41 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	6	5	0	70	35
PM 10	Avg, ug/M^3	8	94	11	1	300	150

Monitoring Station Map:

DAILY AIR MONITORING REPORT

Real-Time Particulates

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

8/7/2025

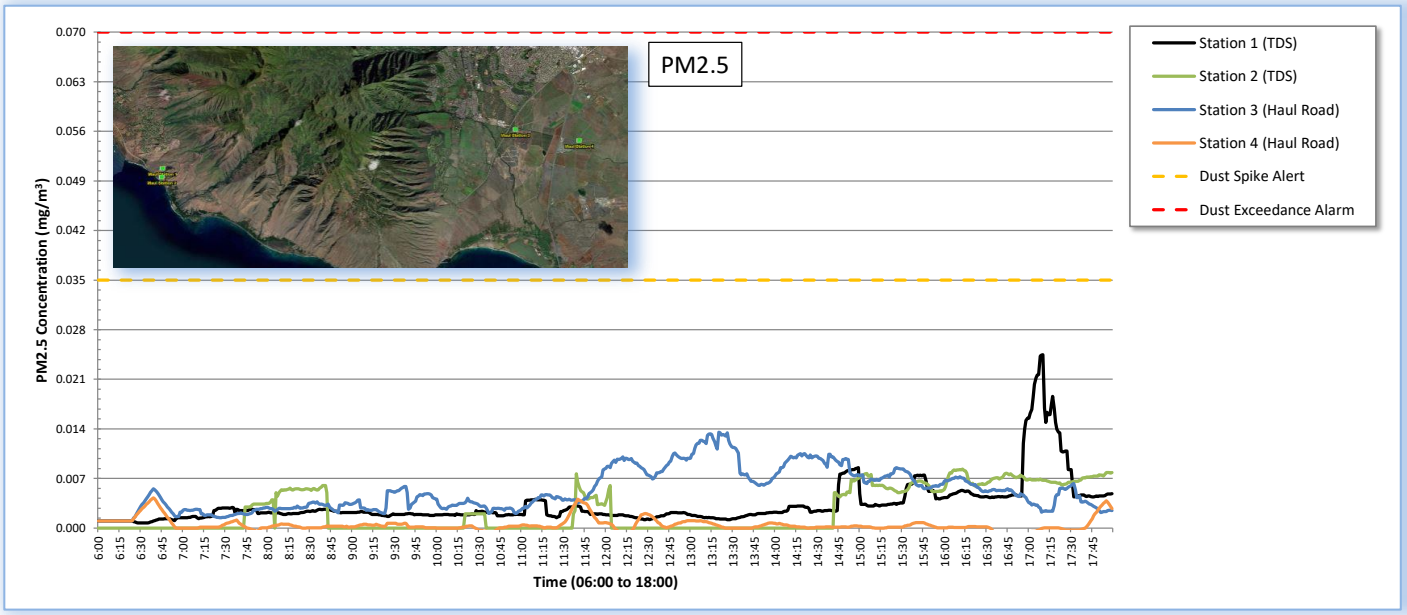
PM2.5 Particulate Summary

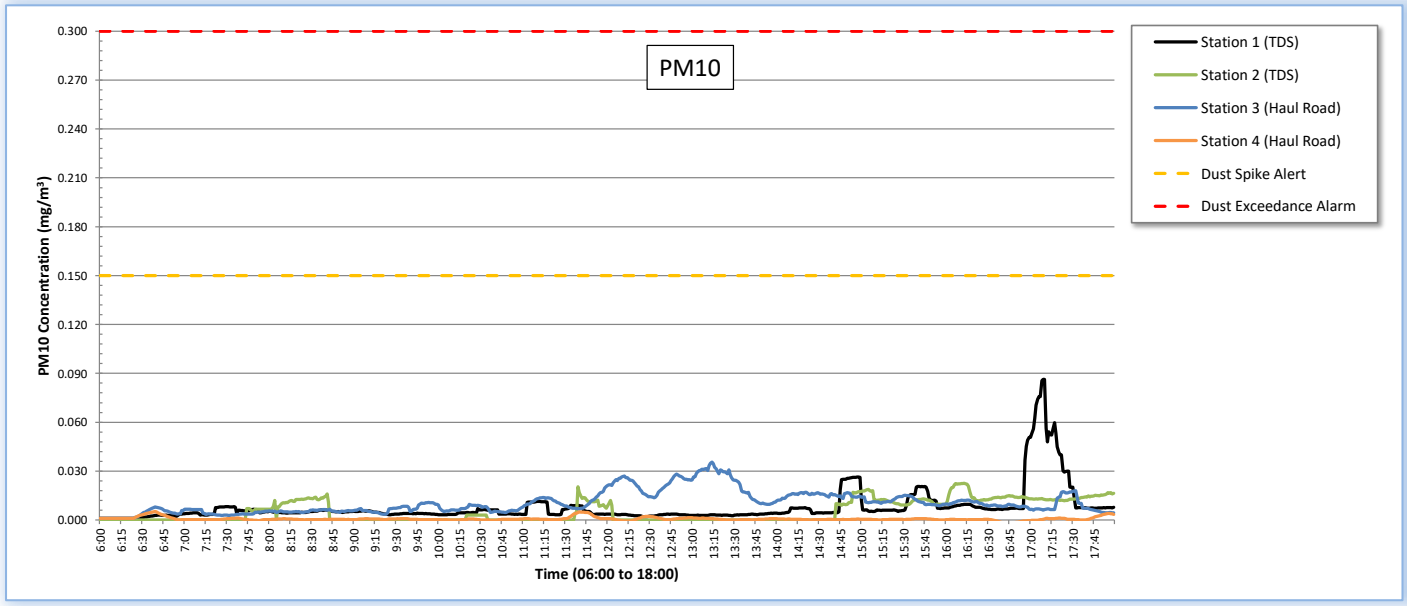
Station ID/Location	Daily Average PM2.5 Conc (mg/m³)	Max PM2.5 Conc (mg/m³)	Time of Max	15-Min Avg PM2.5 Conc (mg/m³)	Max 15-Min PM2.5 Conc (mg/m³)	Time of Max 15-Min Avg
Station 1 (TDS)	0.003	0.117	16:56	0.003	0.024	17:10
Station 2 (TDS)	0.006	0.029	14:54	0.006	0.008	16:13
Station 3 (Haul Road)	0.005	0.048	13:20	0.005	0.014	13:20
Station 4 (Haul Road)	0.000	0.007	11:35	0.000	0.004	6:39

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)	0.008	0.456	16:56	0.008	0.086	17:09
Station 2 (TDS)	0.094	0.091	14:54	0.012	0.023	16:13
Station 3 (Haul Road)	0.011	0.066	13:20	0.011	0.036	13:14
Station 4 (Haul Road)	0.001	0.013	11:35	0.001	0.005	6:39

"--" indicates no data or NA





DEBRIS TRANSPORT AIR MONITORING

MAUI TDS(OLOWALU) TO PDS(CENTRAL)

August 08, 2025

Prepared for
United States Army Corps of Engineers

Prepared by:

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Debris Transfer Air monitoring: August 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.

Debris transfer continued today.

Weather:

		TDS	Haul Road
Precipitation		No precipitation observed all day. Skies clear and sunny. Overnight chance of precipitation is 10%.	No precipitation observed all day. Skies mostly clear. Overnight chance of precipitation is 10%.
Wind Direction		W-SW	N-NE
Wind Speed	Average	8 mph	18 mph
	Range	2– 17 mph	10–41 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	2	0	70	35
PM 10	Avg, ug/M^3	7	85	3	0	300	150

Monitoring Station Map:

DAILY AIR MONITORING REPORT

Real-Time Particulates

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

8/8/2025

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)	0.004	0.019	17:15	0.004	0.007	7:25
Station 2 (TDS)	0.007	0.021	7:18	0.007	0.014	7:28
Station 3 (Haul Road)	0.002	0.002	6:00	0.002	0.002	6:00
Station 4 (Haul Road)	0.000	0.006	7:50	0.000	0.004	6:36

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)	0.007	0.072	17:15	0.007	0.013	7:25
Station 2 (TDS)	0.085	0.074	6:41	0.015	0.030	7:29
Station 3 (Haul Road)	0.003	0.003	6:00	0.003	0.003	6:00
Station 4 (Haul Road)	0.000	0.008	13:52	0.000	0.004	6:36

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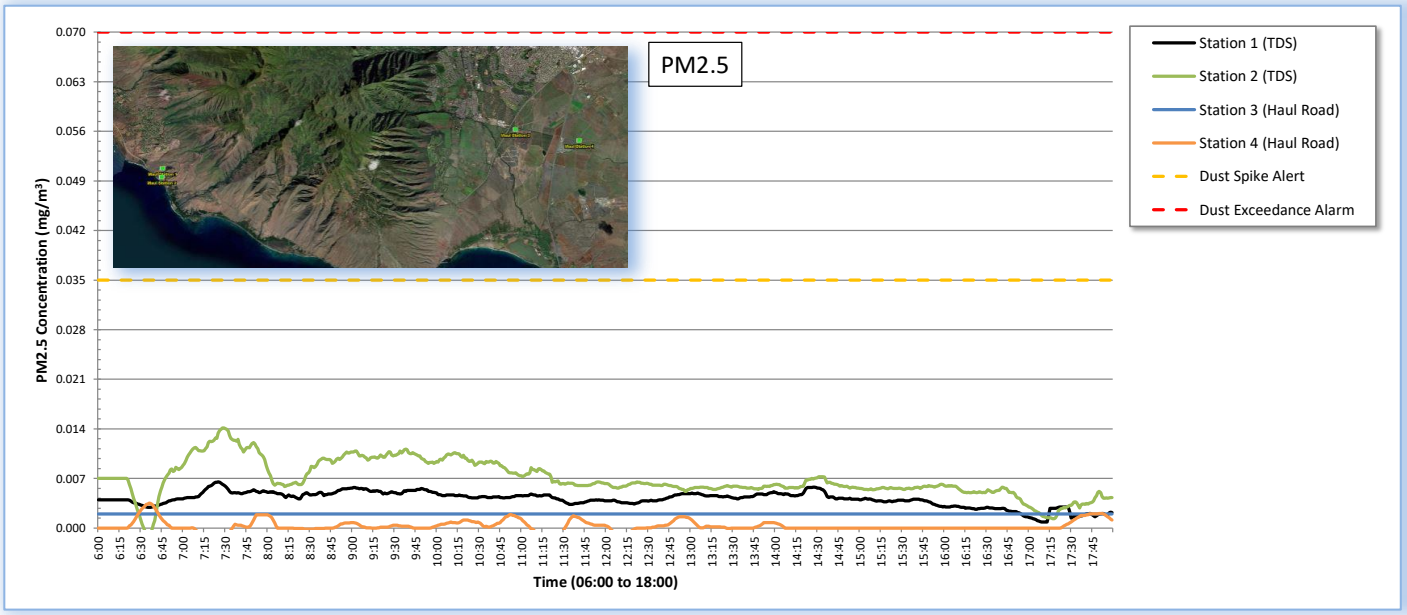

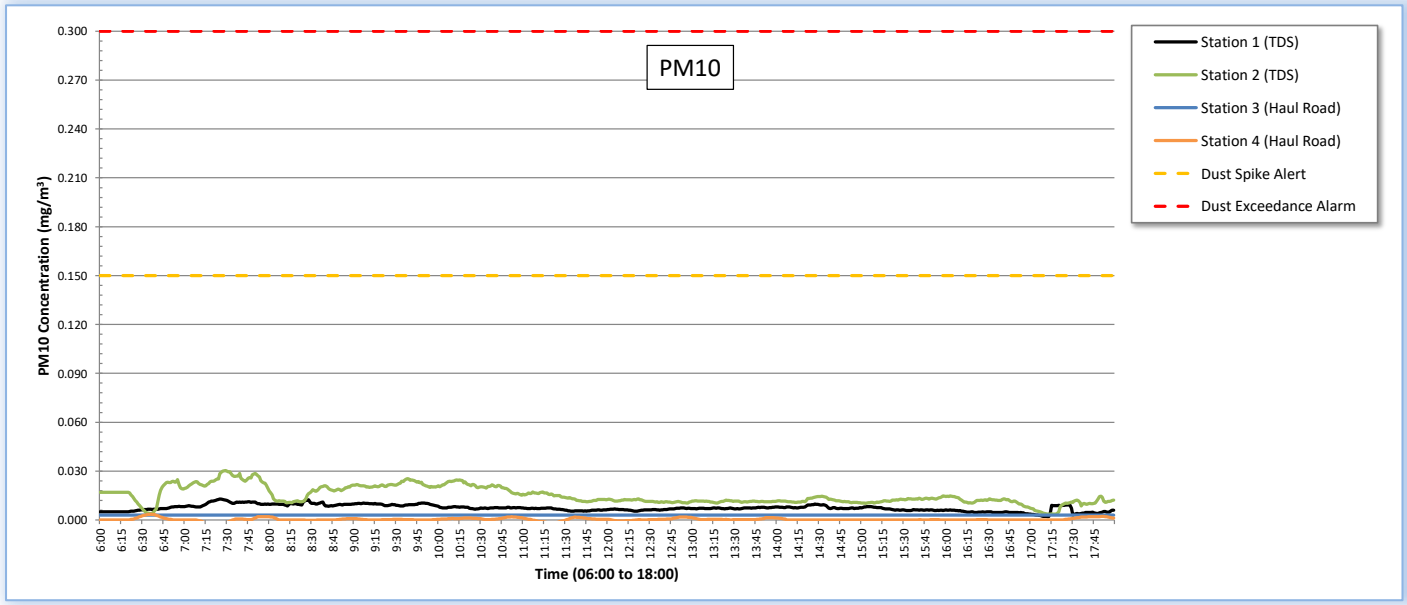

DEBRIS TRANSPORT AIR MONITORING

MAUI TDS(OLOWALU) TO PDS(CENTRAL)

August 09, 2025

Prepared for
United States Army Corps of Engineers

Prepared by:

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Debris Transfer Air monitoring: August 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.

Debris transfer continued today.

Weather:

		TDS	Haul Road
Precipitation		No precipitation observed all day. Skies clear and sunny. Overnight chance of precipitation is 10%.	No precipitation observed all day. Skies mostly clear. Overnight chance of precipitation is 10%.
Wind Direction		N-W	N-NE
Wind Speed	Average	7 mph	14 mph
	Range	3– 15 mph	10–28 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	3	0	70	35
PM 10	Avg, ug/M^3	11	86	5	0	300	150

Monitoring Station Map:

DAILY AIR MONITORING REPORT

Real-Time Particulates

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

8/9/2025

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)	0.004	0.105	17:11	0.004	0.032	17:14
Station 2 (TDS)	0.007	0.046	17:36	0.007	0.021	17:22
Station 3 (Haul Road)	0.003	0.052	11:09	0.003	0.010	13:05
Station 4 (Haul Road)	0.000	0.006	8:24	0.000	0.004	8:33

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	0.358	17:11	0.011	0.113	17:14
Station 2 (TDS)	0.086	0.159	17:36	0.018	0.055	17:22
Station 3 (Haul Road)	0.005	0.160	13:02	0.005	0.020	13:05
Station 4 (Haul Road)	0.000	0.006	8:24	0.000	0.004	8:38

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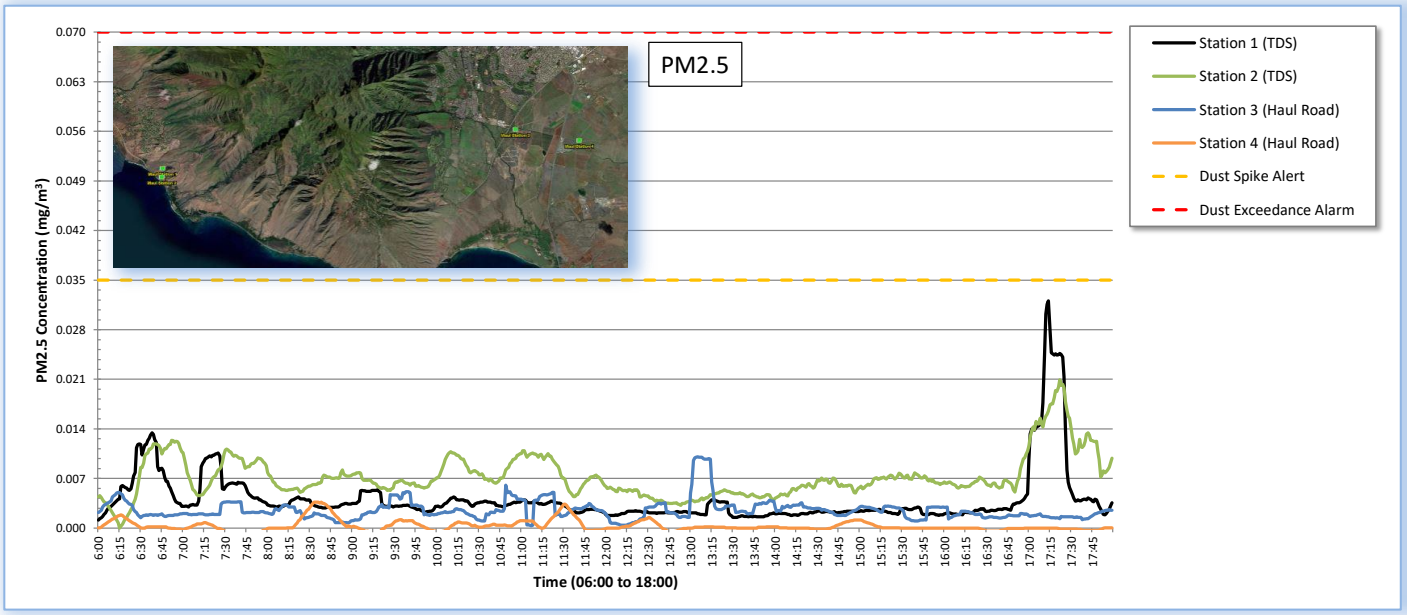

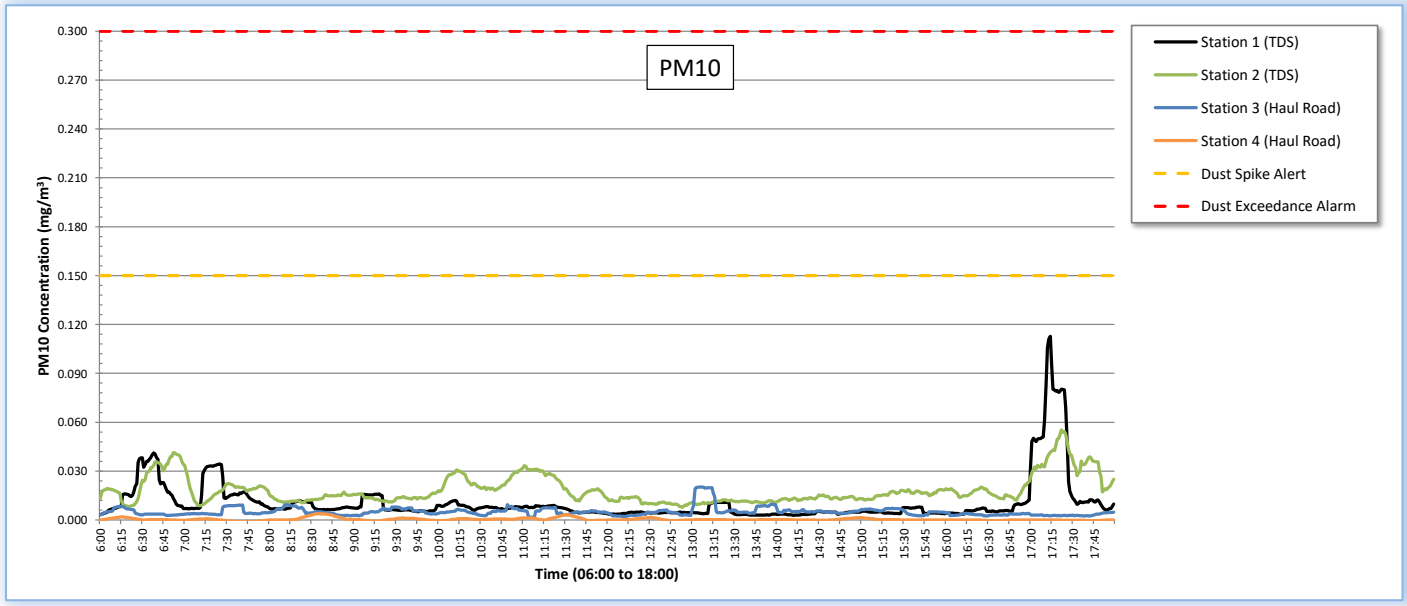

DEBRIS TRANSPORT AIR MONITORING

MAUI TDS(OLOWALU) TO PDS(CENTRAL)

August 10, 2025

Prepared for
United States Army Corps of Engineers

Prepared by:

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Debris Transfer Air monitoring: August 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.

Debris transfer continued today.

Weather:

		TDS	Haul Road
Precipitation		No precipitation observed all day. Skies clear and sunny. Overnight chance of precipitation is 10%.	No precipitation observed all day. Skies mostly clear. Overnight chance of precipitation is 10%.
Wind Direction		N-W	N-NE
Wind Speed	Average	7 mph	14 mph
	Range	3– 15 mph	10–28 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	3	0	70	35
PM 10	Avg, ug/M^3	8	85	5	0	300	150

Monitoring Station Map:

DAILY AIR MONITORING REPORT

Real-Time Particulates

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

8/10/2025

PM2.5 Particulate Summary

Station ID/Location	Daily Average PM2.5 Conc (mg/m³)	Max PM2.5 Conc (mg/m³)	Time of Max
Station 1 (TDS)	0.004	0.135	12:45
Station 2 (TDS)	0.007	0.028	8:25
Station 3 (Haul Road)	0.003	0.020	9:41
Station 4 (Haul Road)	0.000	0.006	16:39

15-Min Avg PM2.5 Conc (mg/m³)	Max 15-Min PM2.5 Conc (mg/m³)	Time of Max 15-Min Avg
0.004	0.016	12:50
0.007	0.019	6:00
0.003	0.007	6:14
0.000	0.004	6:14

PM10 Particulate Summary

Station ID/Location	Daily Average PM10 Conc (mg/m³)	Max PM10 Conc (mg/m³)	Time of Max
Station 1 (TDS)	0.008	0.165	12:45
Station 2 (TDS)	0.085	0.077	9:07
Station 3 (Haul Road)	0.005	0.064	9:41
Station 4 (Haul Road)	0.000	0.007	6:04

15-Min Avg PM10 Conc (mg/m³)	Max 15-Min PM10 Conc (mg/m³)	Time of Max 15-Min Avg
0.008	0.029	8:17
0.016	0.056	6:00
0.005	0.010	6:14
0.000	0.004	6:14

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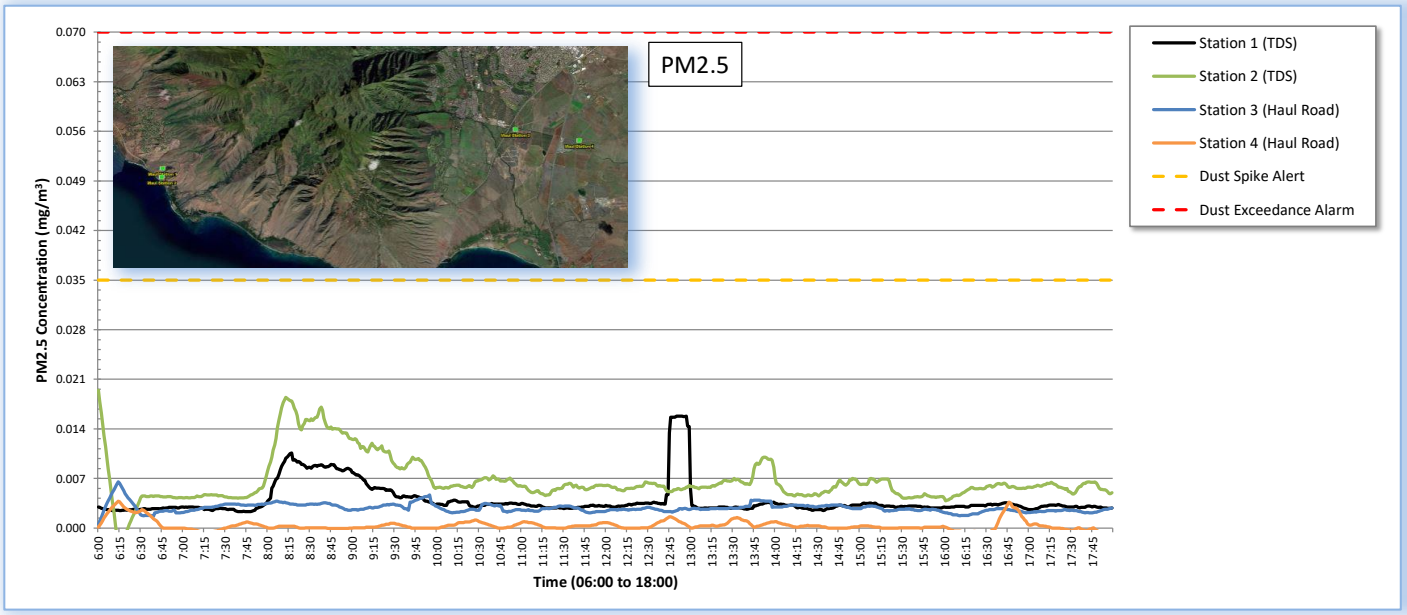

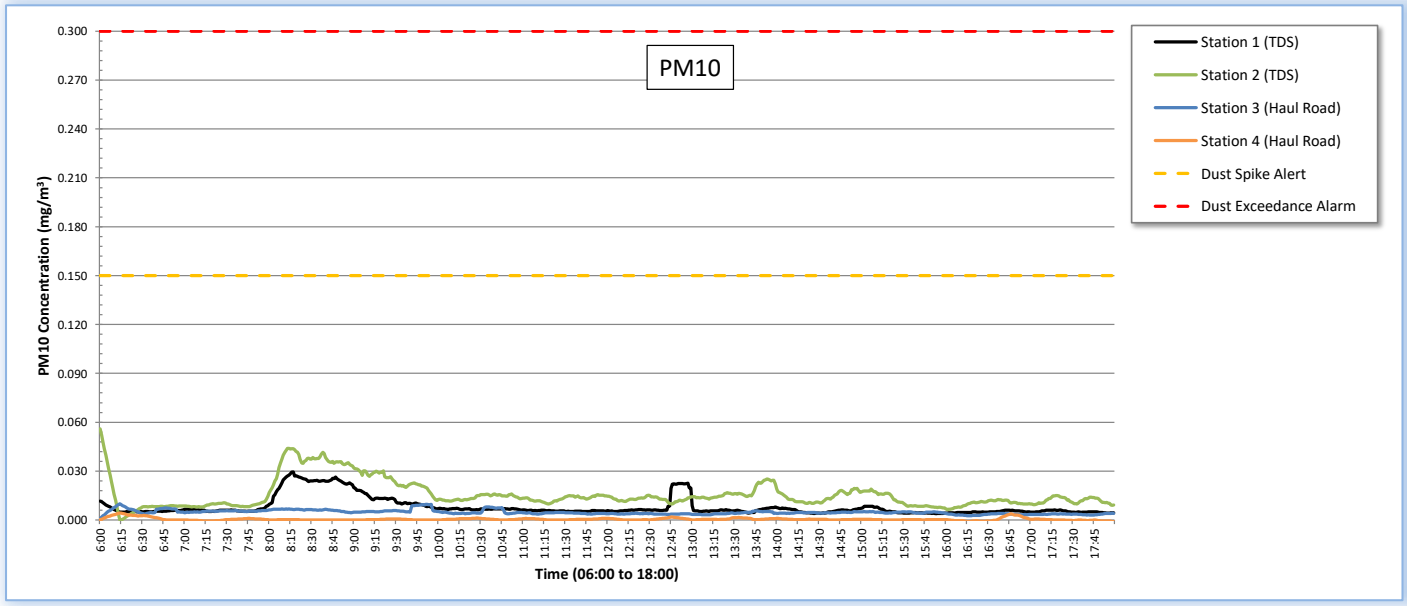

DEBRIS TRANSPORT AIR MONITORING

MAUI TDS(OLOWALU) TO PDS(CENTRAL)

August 11, 2025

Prepared for
United States Army Corps of Engineers

Prepared by:

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Debris Transfer Air monitoring: August 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.

Debris transfer continued today.

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	6	9	5	1	70	35
PM 10	Avg, ug/M^3	15	87	9	1	300	150

Monitoring Station Map:

DAILY AIR MONITORING REPORT

Real-Time Particulates

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

8/11/2025

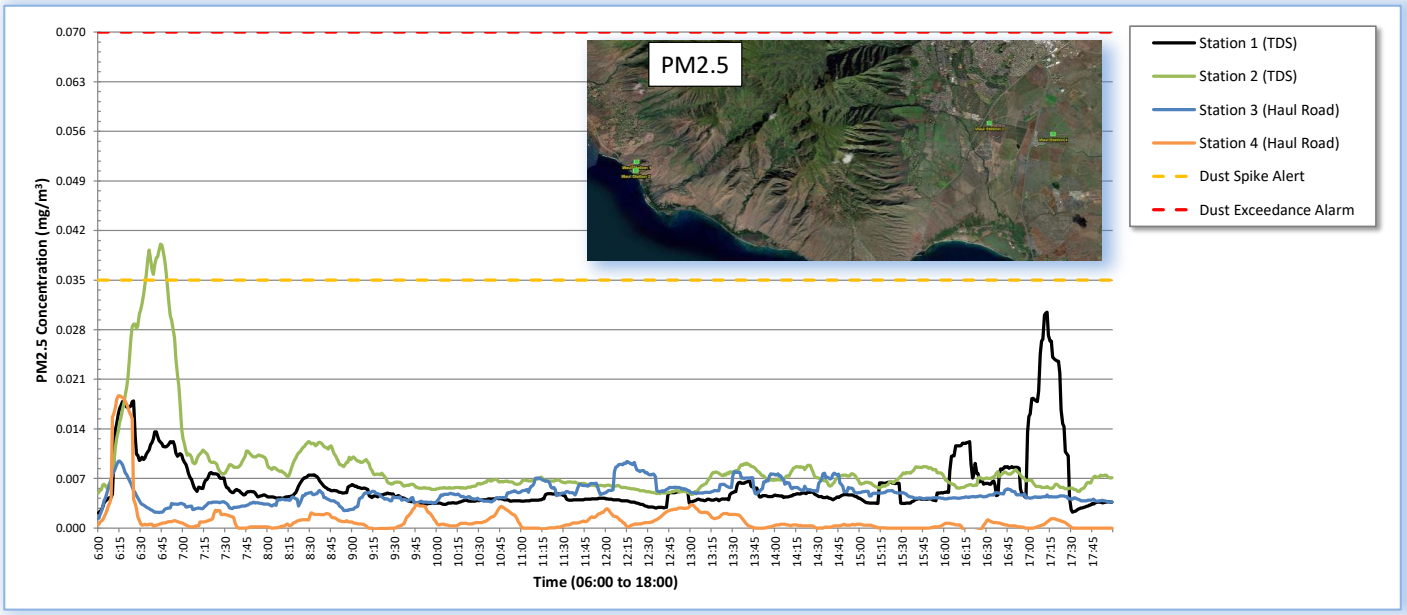
PM2.5 Particulate Summary

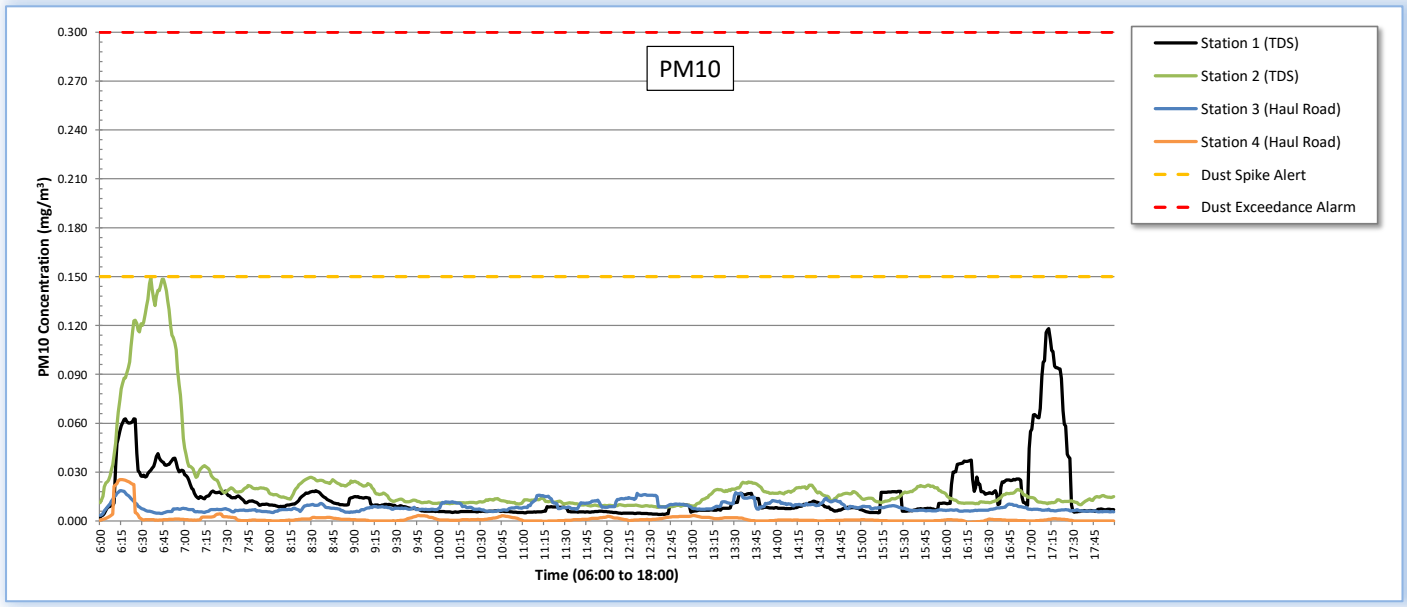
Station ID/Location	Daily Average PM2.5 Conc (mg/m³)	Max PM2.5 Conc (mg/m³)	Time of Max	15-Min Avg PM2.5 Conc (mg/m³)	Max 15-Min PM2.5 Conc (mg/m³)	Time of Max 15-Min Avg
Station 1 (TDS)	0.006	0.142	16:59	0.006	0.030	17:13
Station 2 (TDS)	0.009	0.060	6:44	0.009	0.040	6:44
Station 3 (Haul Road)	0.005	0.042	12:06	0.005	0.009	6:15
Station 4 (Haul Road)	0.001	0.171	6:10	0.001	0.019	6:14

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)	0.015	0.533	16:59	0.015	0.118	17:13
Station 2 (TDS)	0.087	0.254	6:44	0.022	0.149	6:36
Station 3 (Haul Road)	0.009	0.095	12:21	0.009	0.019	6:15
Station 4 (Haul Road)	0.001	0.256	6:10	0.001	0.025	6:14

"--" indicates no data or NA





DEBRIS TRANSPORT AIR MONITORING

MAUI TDS(OLOWALU) TO PDS(CENTRAL)

August 12, 2025

Prepared for
United States Army Corps of Engineers

Prepared by:

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Debris Transfer Air monitoring: August 12, 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 observed all day. Skies clear and sunny. Overnight chance of precipitation is 10%.	No precipitation observed all day. Skies mostly clear. Overnight chance of precipitation is 10%.
Wind Direction		NE	NNE
Wind Speed	Average	9 mph	19 mph
	Range	7– 21 mph	14–31 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	5	6	5	1	70	35
PM 10	Avg, ug/M^3	12	87	12	1	300	150

Monitoring Station Map:

DAILY AIR MONITORING REPORT

Real-Time Particulates

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

8/12/2025

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)	0.005	0.206	16:28	0.005	0.033	16:35
Station 2 (TDS)	0.006	0.039	6:29	0.006	0.023	6:57
Station 3 (Haul Road)	0.005	0.046	10:26	0.005	0.011	13:02
Station 4 (Haul Road)	0.001	0.006	13:06	0.001	0.005	13:15

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)	0.012	0.641	16:28	0.012	0.106	16:37
Station 2 (TDS)	0.087	0.142	6:29	0.014	0.080	6:57
Station 3 (Haul Road)	0.012	0.155	10:26	0.012	0.032	13:02
Station 4 (Haul Road)	0.001	0.008	16:10	0.001	0.005	13:15

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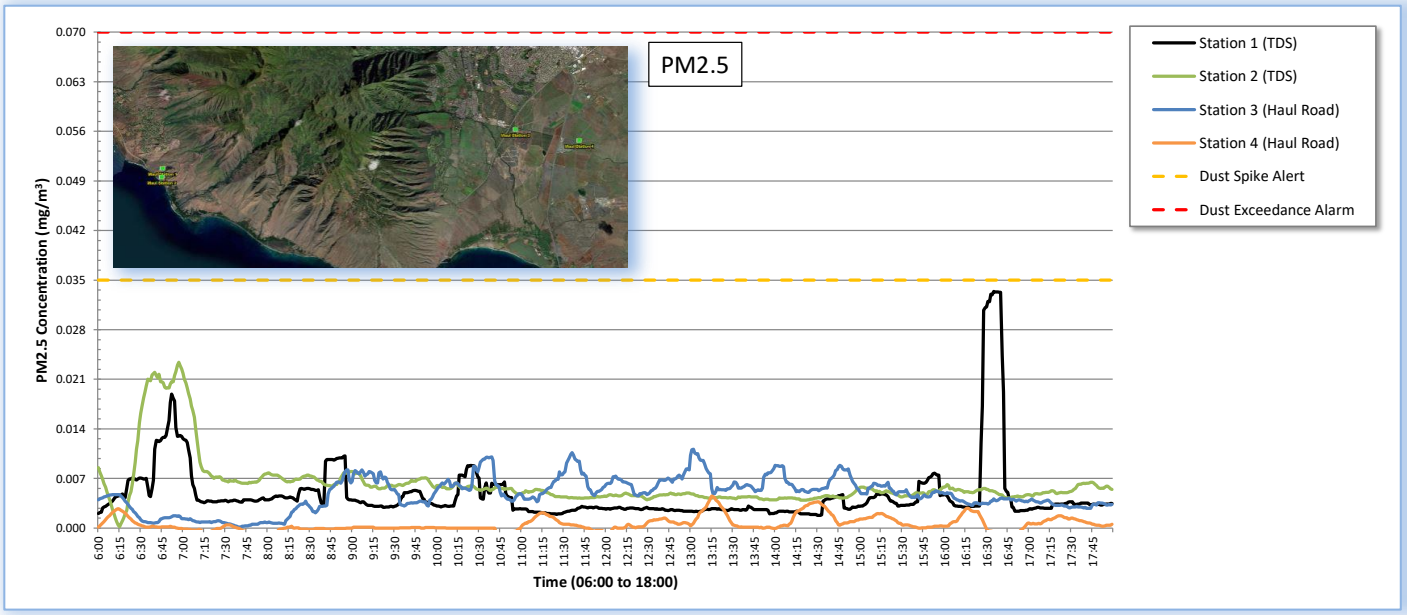

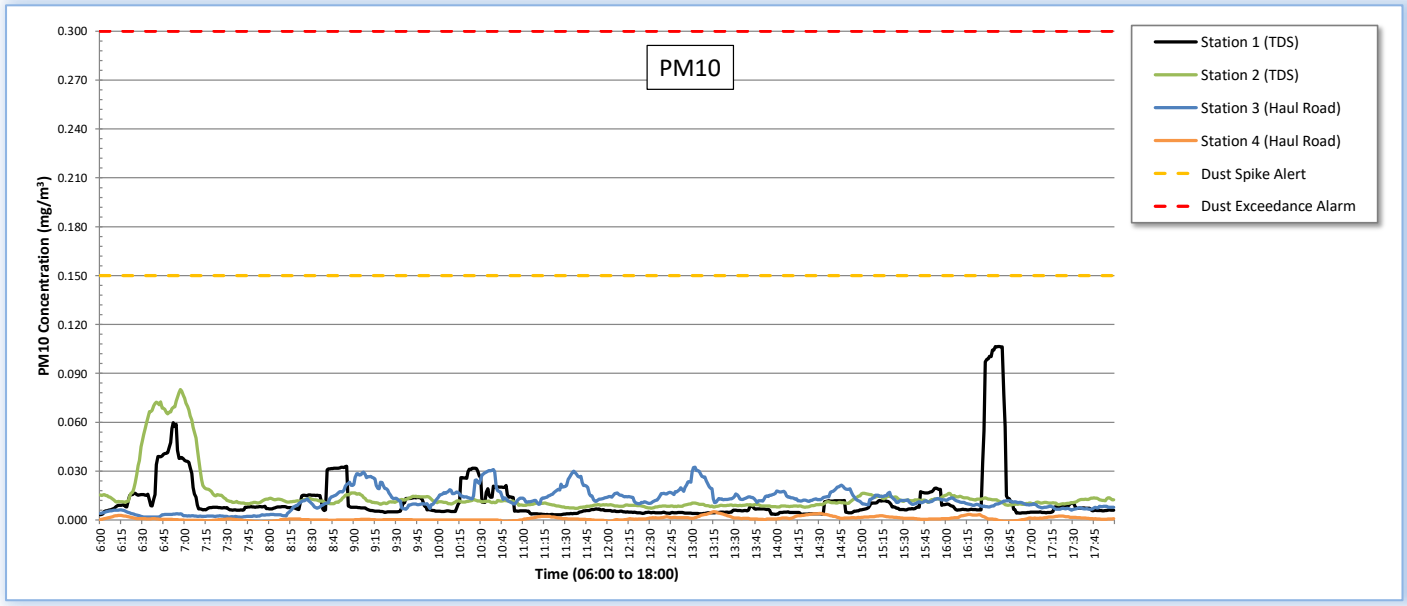

DEBRIS TRANSPORT AIR MONITORING

MAUI TDS(OLOWALU) TO PDS(CENTRAL)

August 13, 2025

Prepared for
United States Army Corps of Engineers

Prepared by:

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Debris Transfer Air monitoring: August 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.

Debris transfer continued today.

Weather:

		TDS	Haul Road
Precipitation		No precipitation observed all day. Skies clear and sunny. Overnight chance of precipitation is 10%.	No precipitation observed all day. Skies mostly clear. Overnight chance of precipitation is 10%.
Wind Direction		NE	NNE
Wind Speed	Average	10 mph	18 mph
	Range	7– 15 mph	14–27 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	2	3	2	1	70	35
PM 10	Avg, ug/M^3	6	84	5	2	300	150

Monitoring Station Map:

DAILY AIR MONITORING REPORT

Real-Time Particulates

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

8/13/2025

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)	0.002	0.205	17:20	0.002	0.024	17:22
Station 2 (TDS)	0.003	0.020	6:28	0.003	0.009	6:34
Station 3 (Haul Road)	0.002	0.068	9:20	0.002	0.007	9:29
Station 4 (Haul Road)	0.001	0.008	12:26	0.001	0.005	12:36

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)	0.006	0.540	17:20	0.006	0.080	17:24
Station 2 (TDS)	0.084	0.092	6:49	0.007	0.035	6:34
Station 3 (Haul Road)	0.005	0.074	9:20	0.005	0.014	11:49
Station 4 (Haul Road)	0.002	0.011	12:26	0.002	0.006	12:36

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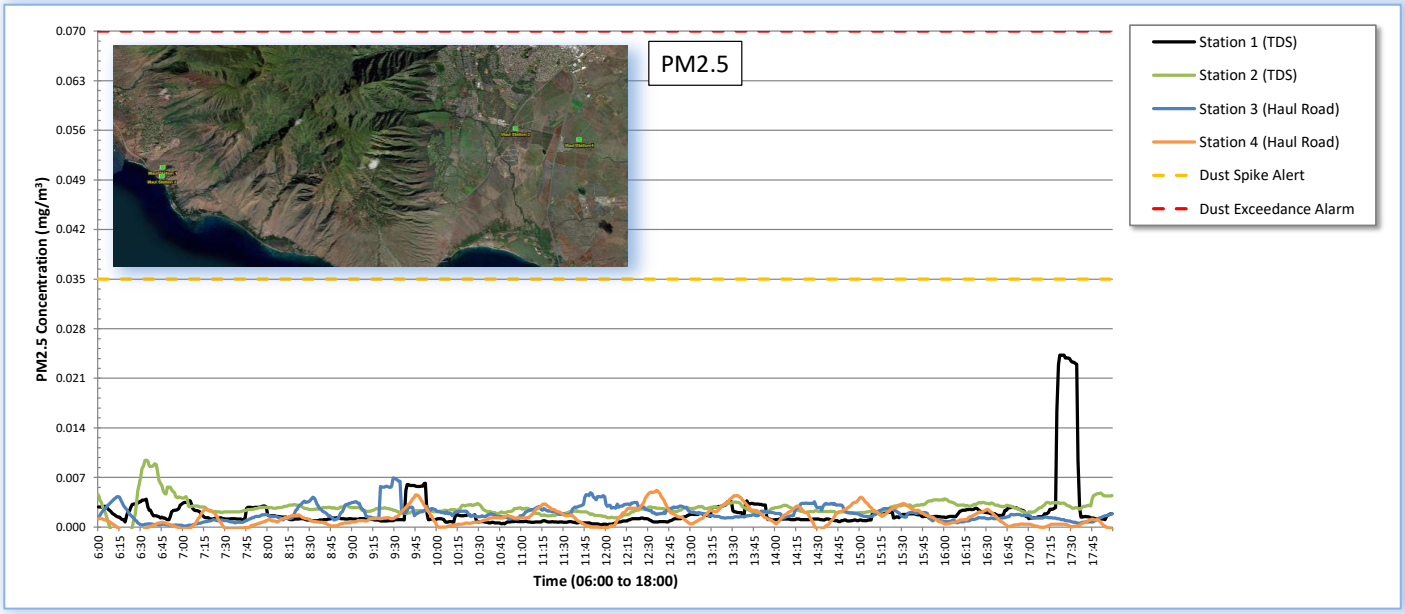

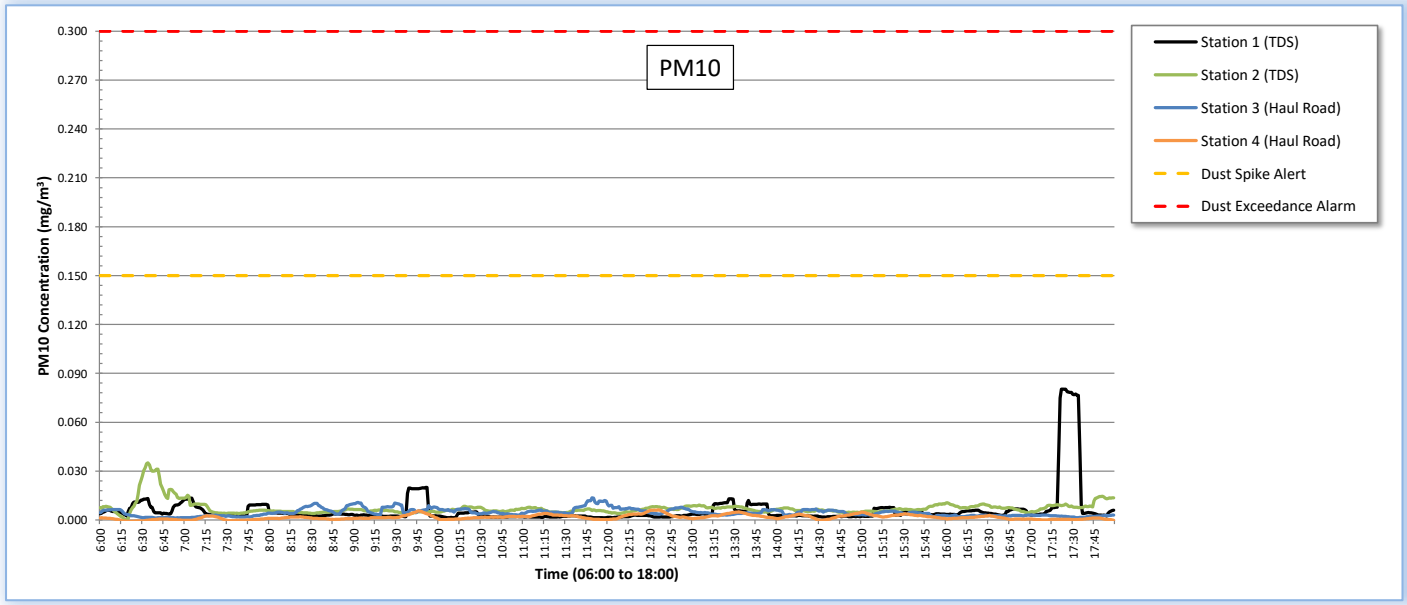

DEBRIS TRANSPORT AIR MONITORING

MAUI TDS(OLOWALU) TO PDS(CENTRAL)

August 14, 2025

Prepared for
United States Army Corps of Engineers

Prepared by:

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Debris Transfer Air monitoring: August 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.

Debris transfer continued today.

Weather:

		TDS	Haul Road
Precipitation		No precipitation observed all day. Skies clear and sunny. Overnight chance of precipitation is 10%.	No precipitation observed all day. Skies mostly clear. Overnight chance of precipitation is 10%.
Wind Direction		NW	N
Wind Speed	Average	7 mph	16 mph
	Range	6– 12 mph	11–26 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	3	3	1	70	35
PM 10	Avg, ug/M^3	8	85	5	2	300	150

Monitoring Station Map:

DAILY AIR MONITORING REPORT

Real-Time Particulates

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

8/14/2025

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)	0.003	0.262	6:02	0.003	0.033	6:06
Station 2 (TDS)	0.003	0.125	6:03	0.003	0.038	6:09
Station 3 (Haul Road)	0.003	0.081	11:53	0.003	0.008	11:58
Station 4 (Haul Road)	0.001	0.009	12:27	0.001	0.006	12:35

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)	0.008	0.823	6:02	0.008	0.113	6:06
Station 2 (TDS)	0.085	0.675	6:03	0.011	0.213	6:13
Station 3 (Haul Road)	0.005	0.082	11:53	0.005	0.011	11:53
Station 4 (Haul Road)	0.002	0.009	12:27	0.002	0.006	12:33

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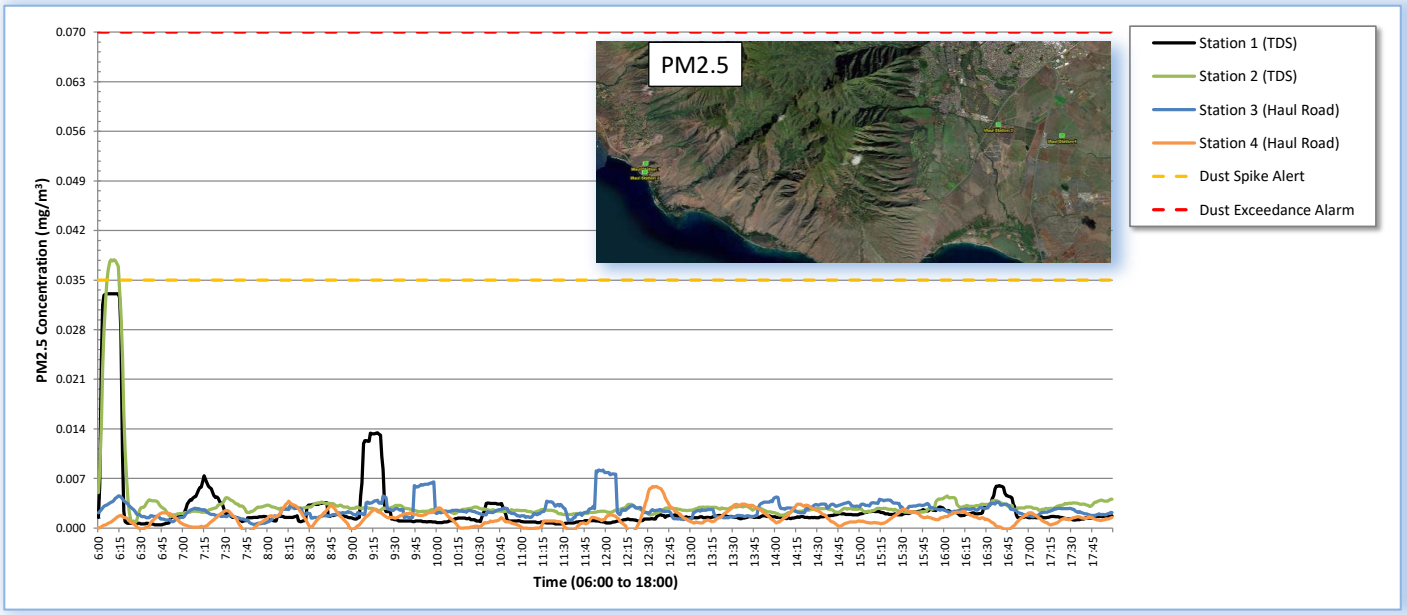

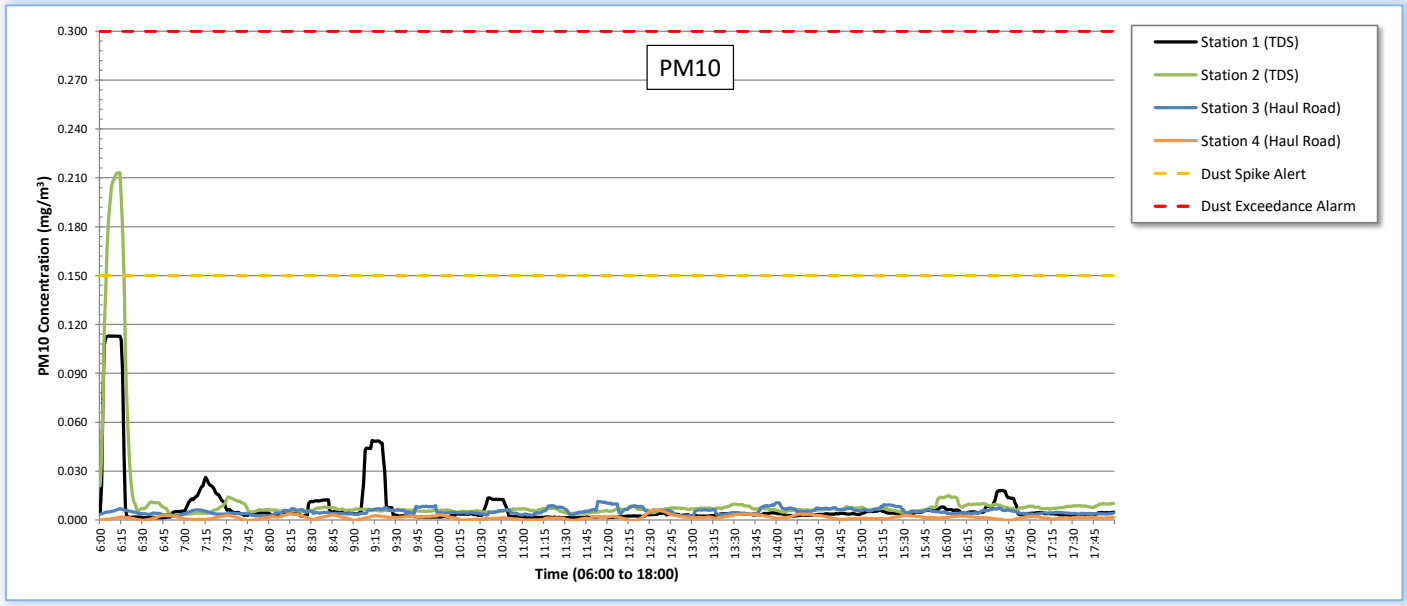

DEBRIS TRANSPORT AIR MONITORING

MAUI TDS(OLOWALU) TO PDS(CENTRAL)

August 15, 2025

Prepared for
United States Army Corps of Engineers

Prepared by:

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Debris Transfer Air monitoring: August 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.

Debris transfer continued today.

Weather:

		TDS	Haul Road
Precipitation		No precipitation observed all day. Skies clear and sunny. Overnight chance of precipitation is 10%.	No precipitation observed all day. Skies mostly clear. Overnight chance of precipitation is 10%.
Wind Direction		NE	N-NE
Wind Speed	Average	10 mph	18 mph
	Range	6– 14 mph	11–30 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	4	5	3	70	35
PM 10	Avg, ug/M^3	10	87	9	7	300	150

Monitoring Station Map:

DAILY AIR MONITORING REPORT

Real-Time Particulates

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

8/15/2025

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	0.142	16:28	0.004	0.024	16:34
Station 2 (TDS)	0.004	0.050	6:09	0.004	0.013	6:23
Station 3 (Haul Road)	0.005	0.040	11:28	0.005	0.010	9:57
Station 4 (Haul Road)	0.003	0.144	16:12	0.003	0.032	16:26

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	0.608	16:28	0.010	0.098	16:36
Station 2 (TDS)	0.087	0.302	6:09	0.010	0.073	6:23
Station 3 (Haul Road)	0.009	0.099	9:50	0.009	0.022	9:58
Station 4 (Haul Road)	0.007	0.609	16:13	0.007	0.118	16:25

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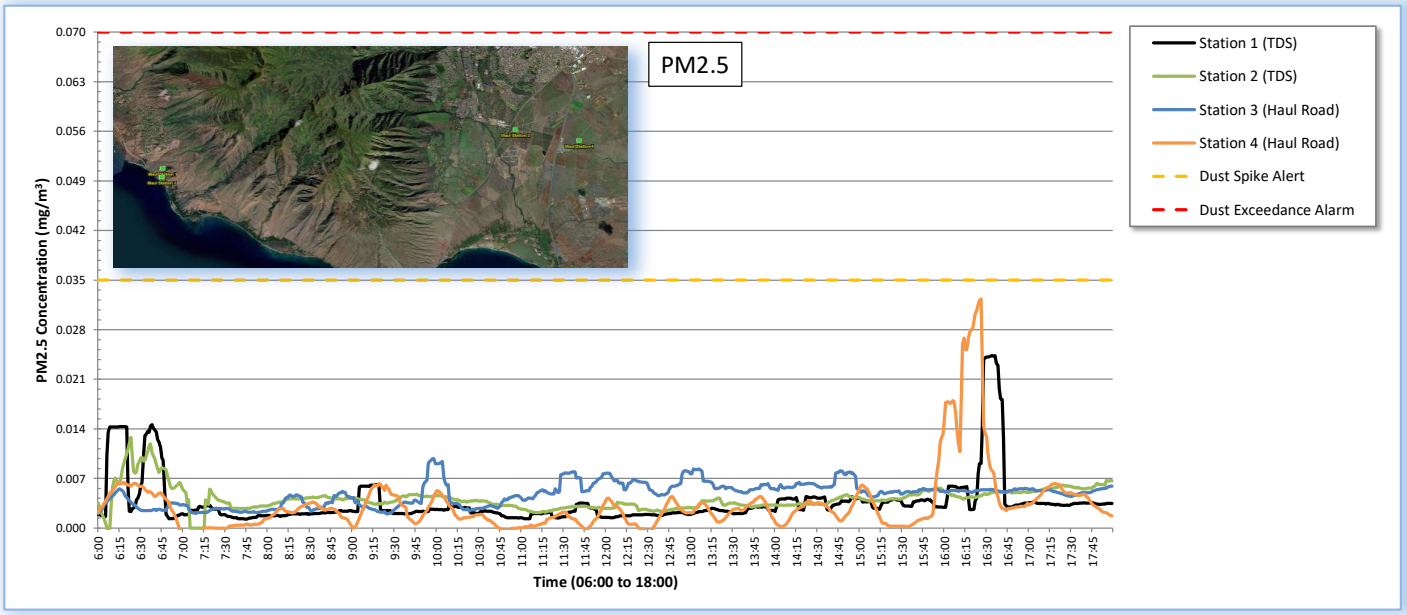

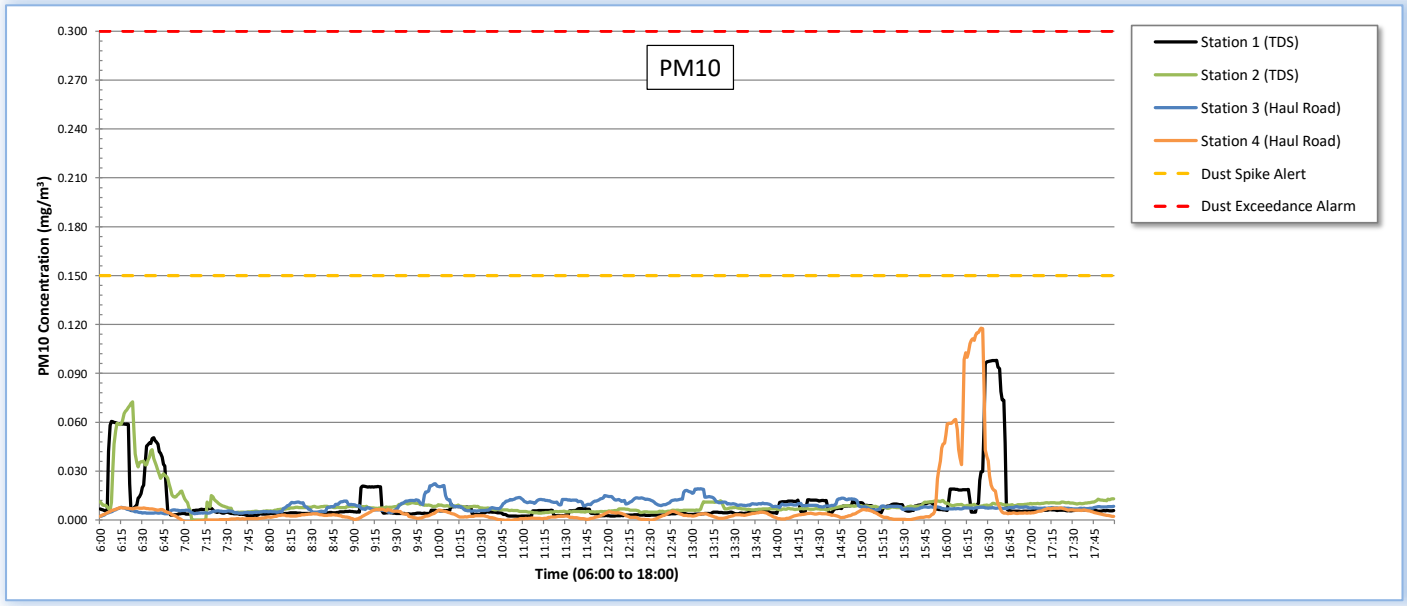

DEBRIS TRANSPORT AIR MONITORING

MAUI TDS(OLOWALU) TO PDS(CENTRAL)

August 16, 2025

Prepared for
United States Army Corps of Engineers

Prepared by:

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Debris Transfer Air monitoring: August 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.

Debris transfer continued today.

Weather:

		TDS	Haul Road
Precipitation		No rain observed all day. Skies clear. Overnight chance of precipitation is 10%.	No rain observed all day. Skies clear. Overnight chance of precipitation is 10%.
Wind Direction		ENE	NE
Wind Speed	Average	9 mph	20 mph
	Range	6– 17 mph	12–30 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	6	9	9	5	70	35
PM 10	Avg, ug/M^3	11	89	17	7	300	150

Monitoring Station Map:

DAILY AIR MONITORING REPORT

Real-Time Particulates

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

8/16/2025

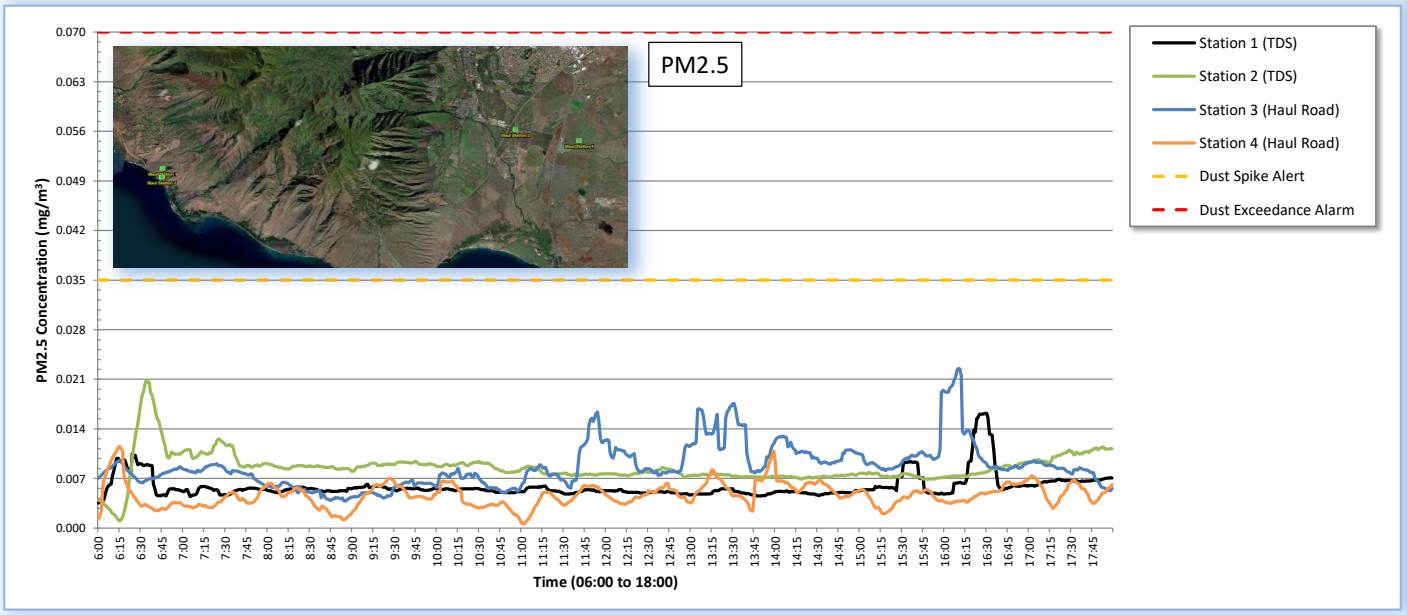
PM2.5 Particulate Summary

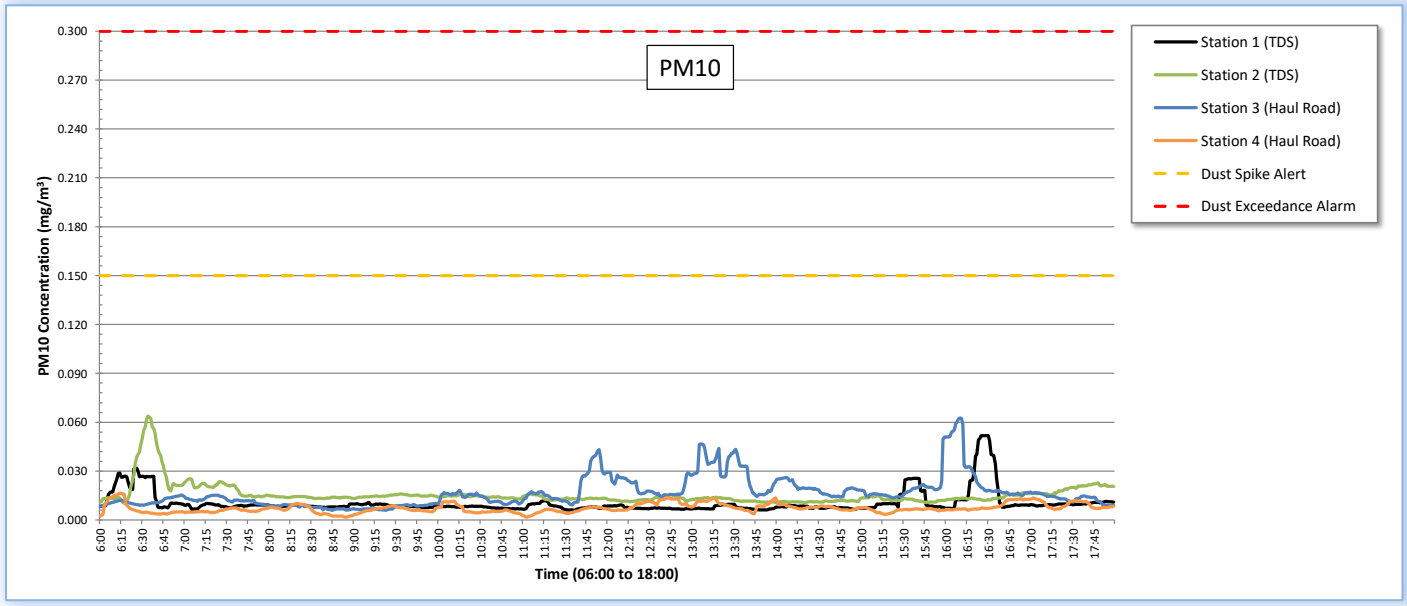
Station ID/Location	Daily Average PM2.5 Conc (mg/m³)	Max PM2.5 Conc (mg/m³)	Time of Max	15-Min Avg PM2.5 Conc (mg/m³)	Max 15-Min PM2.5 Conc (mg/m³)	Time of Max 15-Min Avg
Station 1 (TDS)	0.006	0.043	6:24	0.006	0.016	16:29
Station 2 (TDS)	0.009	0.032	6:22	0.009	0.021	6:34
Station 3 (Haul Road)	0.009	0.129	15:58	0.009	0.023	16:10
Station 4 (Haul Road)	0.005	0.050	6:03	0.005	0.012	6:15

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	0.195	6:24	0.010	0.052	16:29
Station 2 (TDS)	0.089	0.100	6:25	0.015	0.064	6:34
Station 3 (Haul Road)	0.017	0.401	15:58	0.017	0.063	16:10
Station 4 (Haul Road)	0.007	0.082	6:03	0.007	0.016	6:15

"--" indicates no data or NA





DEBRIS TRANSPORT AIR MONITORING

MAUI TDS(OLOWALU) TO PDS(CENTRAL)

August 17, 2025

Prepared for
United States Army Corps of Engineers

Prepared by:

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Debris Transfer Air monitoring: August 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.

Debris transfer continued today.

Weather:

		TDS	Haul Road
Precipitation		No rain observed all day. Skies clear. Overnight chance of precipitation is 10%.	No rain observed all day. Skies clear. Overnight chance of precipitation is 10%.
Wind Direction		ENE	NE
Wind Speed	Average	9 mph	20 mph
	Range	6– 17 mph	12–30 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	4	5	-3	70	35
PM 10	Avg, ug/M^3	5	85	13	0	300	150

Monitoring Station Map:

DAILY AIR MONITORING REPORT

Real-Time Particulates

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

8/17/2025

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)	0.003	0.016	6:36	0.003	0.007	6:00
Station 2 (TDS)	0.004	0.014	10:45	0.004	0.012	6:00
Station 3 (Haul Road)	0.005	0.044	11:40	0.005	0.015	10:17
Station 4 (Haul Road)	-0.003	0.029	12:27	-0.003	0.009	14:31

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	0.023	15:52	0.005	0.014	6:00
Station 2 (TDS)	0.085	0.024	6:00	0.008	0.024	6:00
Station 3 (Haul Road)	0.013	0.146	11:40	0.014	0.050	10:17
Station 4 (Haul Road)	0.000	0.109	12:27	0.000	0.019	12:28

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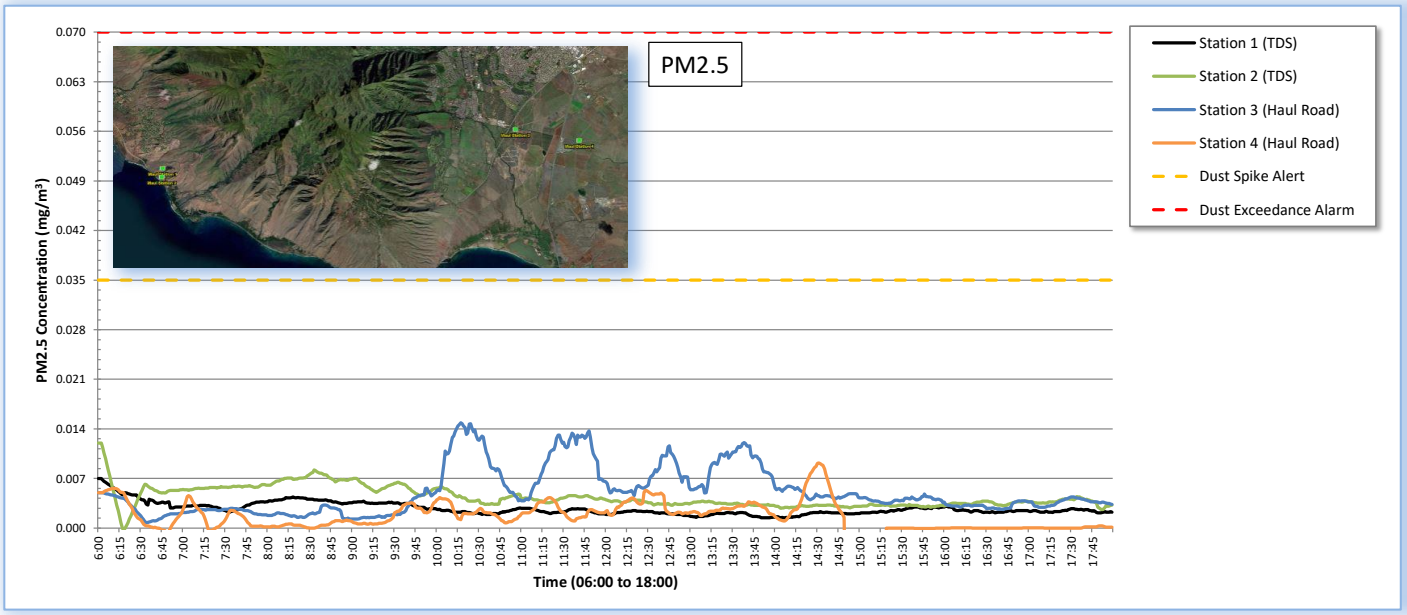

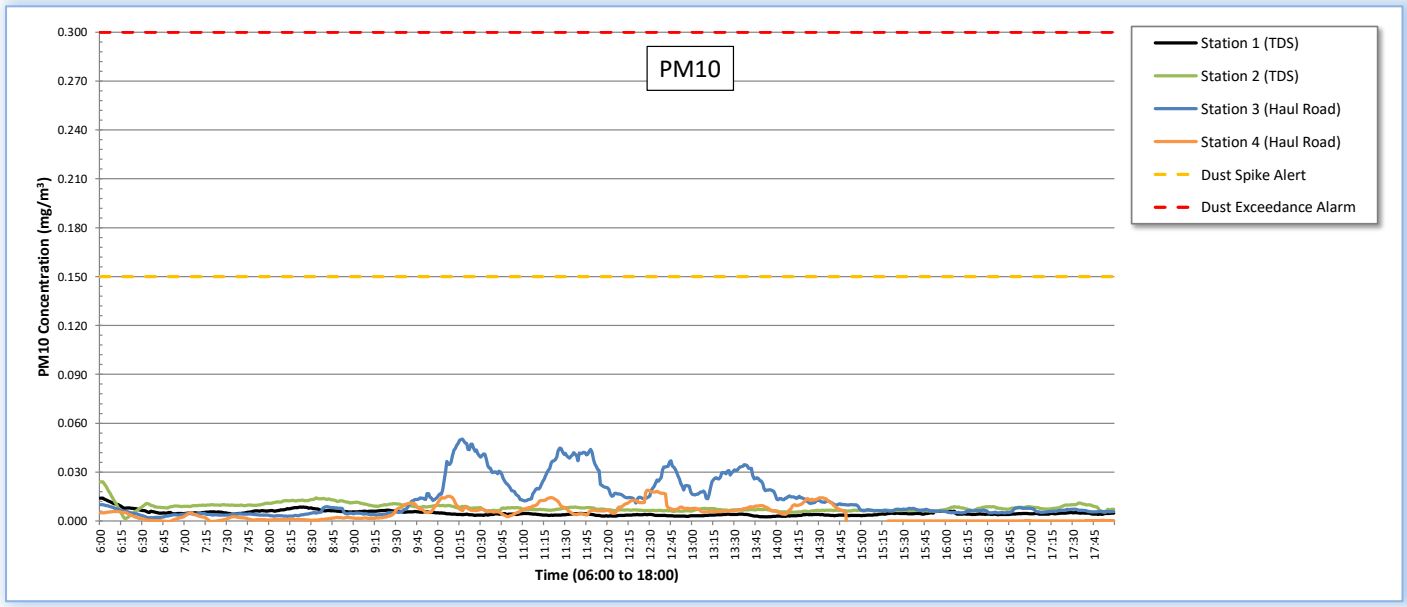

DEBRIS TRANSPORT AIR MONITORING

MAUI TDS(OLOWALU) TO PDS(CENTRAL)

August 18, 2025

Prepared for
United States Army Corps of Engineers

Prepared by:

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Debris Transfer Air monitoring: August 18, 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 rain observed all day. Skies clear. Overnight chance of precipitation is 10%.	No rain observed all day. Skies clear. Overnight chance of precipitation is 10%.
Wind Direction		NE	NE
Wind Speed	Average	7 mph	15 mph
	Range	5– 15 mph	10–27 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	3	4	5	0	70	35
PM 10	Avg, ug/M^3	6	9	9	0	300	150

Monitoring Station Map:

DAILY AIR MONITORING REPORT

Real-Time Particulates

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

8/18/2025

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)	0.003	0.042	14:22	0.003	0.010	16:19
Station 2 (TDS)	0.004	0.027	6:43	0.004	0.011	6:43
Station 3 (Haul Road)	0.005	0.062	11:52	0.005	0.010	11:59
Station 4 (Haul Road)	0.000	0.004	14:23	0.000	0.001	12:16

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	0.186	14:22	0.006	0.038	16:20
Station 2 (TDS)	0.085	0.095	6:43	0.009	0.039	6:43
Station 3 (Haul Road)	0.009	0.071	9:15	0.009	0.021	9:29
Station 4 (Haul Road)	0.000	0.004	14:23	0.000	0.001	12:16

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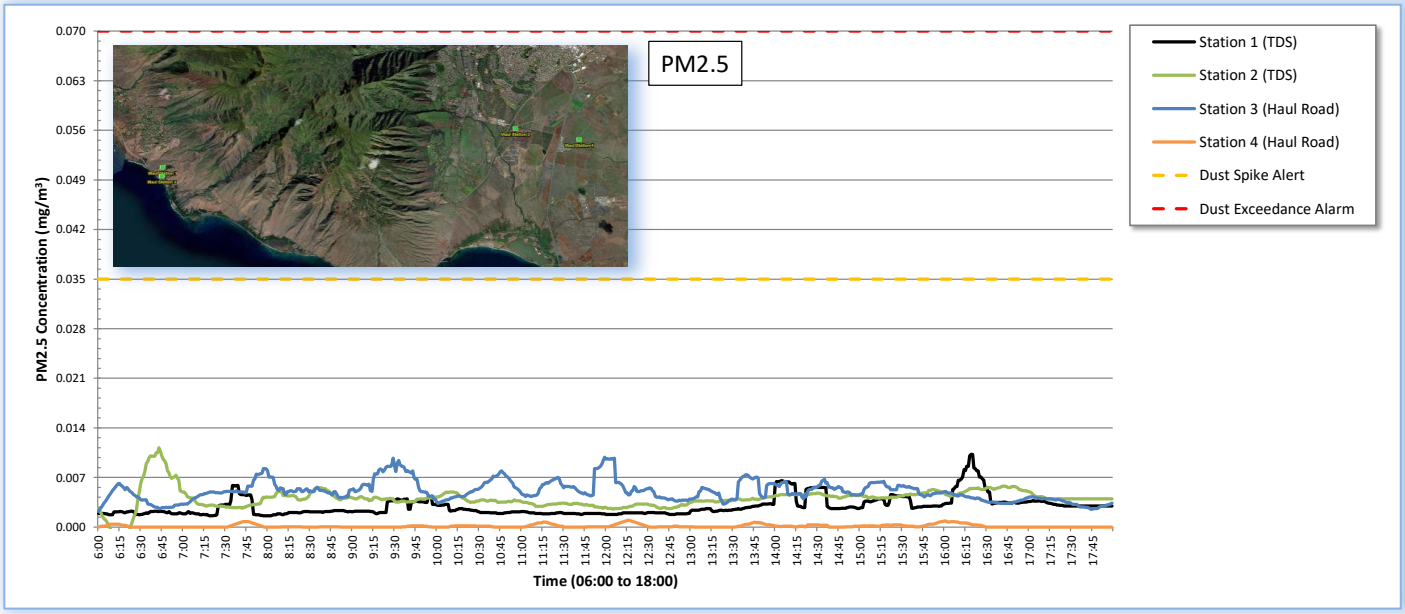

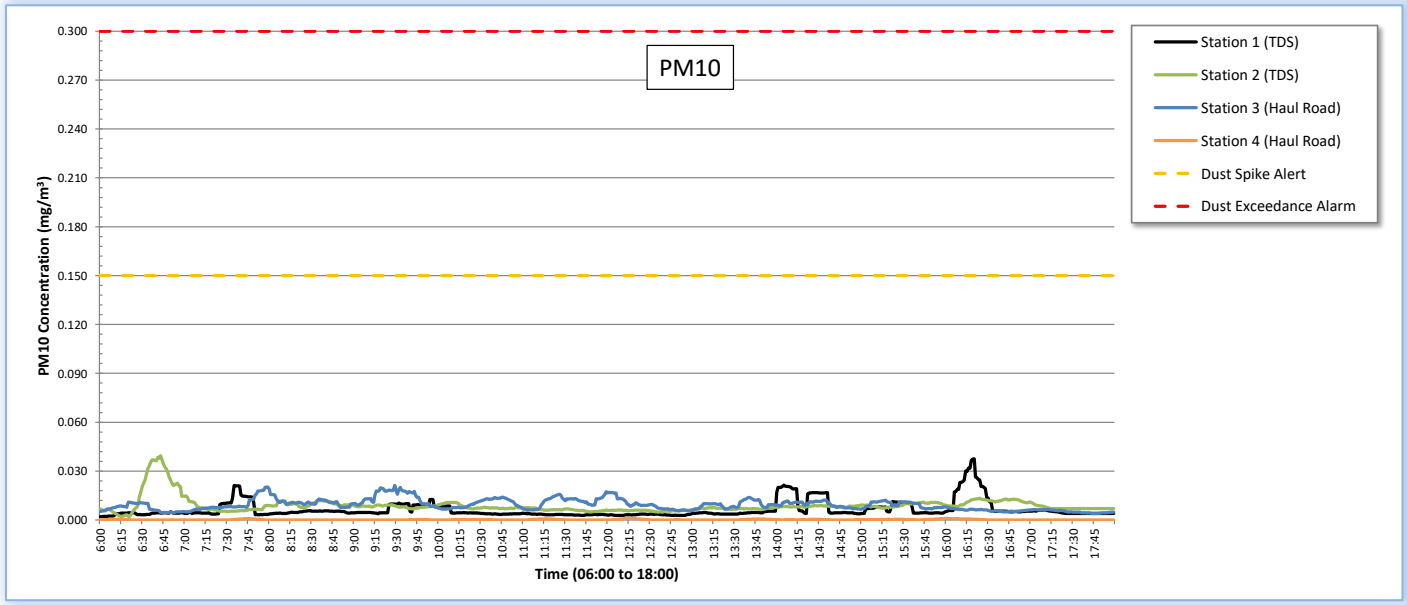

DEBRIS TRANSPORT AIR MONITORING

MAUI TDS(OLOWALU) TO PDS(CENTRAL)

August 19, 2025

Prepared for
United States Army Corps of Engineers

Prepared by:

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Debris Transfer Air monitoring: August 19, 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 rain observed all day. Skies clear. Overnight chance of precipitation is 10%.	No rain observed all day. Skies clear. Overnight chance of precipitation is 10%.
Wind Direction		NE	NE
Wind Speed	Average	7 mph	19 mph
	Range	6– 17 mph	12–33 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	5	6	1	70	35
PM 10	Avg, ug/M^3	8	12	14	1	300	150

Monitoring Station Map:

DAILY AIR MONITORING REPORT

Real-Time Particulates

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

8/19/2025

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)	0.003	0.074	16:36	0.003	0.010	16:38
Station 2 (TDS)	0.005	0.048	6:56	0.005	0.017	7:20
Station 3 (Haul Road)	0.006	0.096	14:04	0.006	0.025	14:15
Station 4 (Haul Road)	0.001	0.268	14:38	0.001	0.025	14:39

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)	0.008	0.334	16:36	0.008	0.041	16:38
Station 2 (TDS)	0.087	0.212	6:56	0.012	0.065	6:46
Station 3 (Haul Road)	0.014	0.145	14:10	0.014	0.045	12:46
Station 4 (Haul Road)	0.001	0.281	14:38	0.001	0.026	14:39

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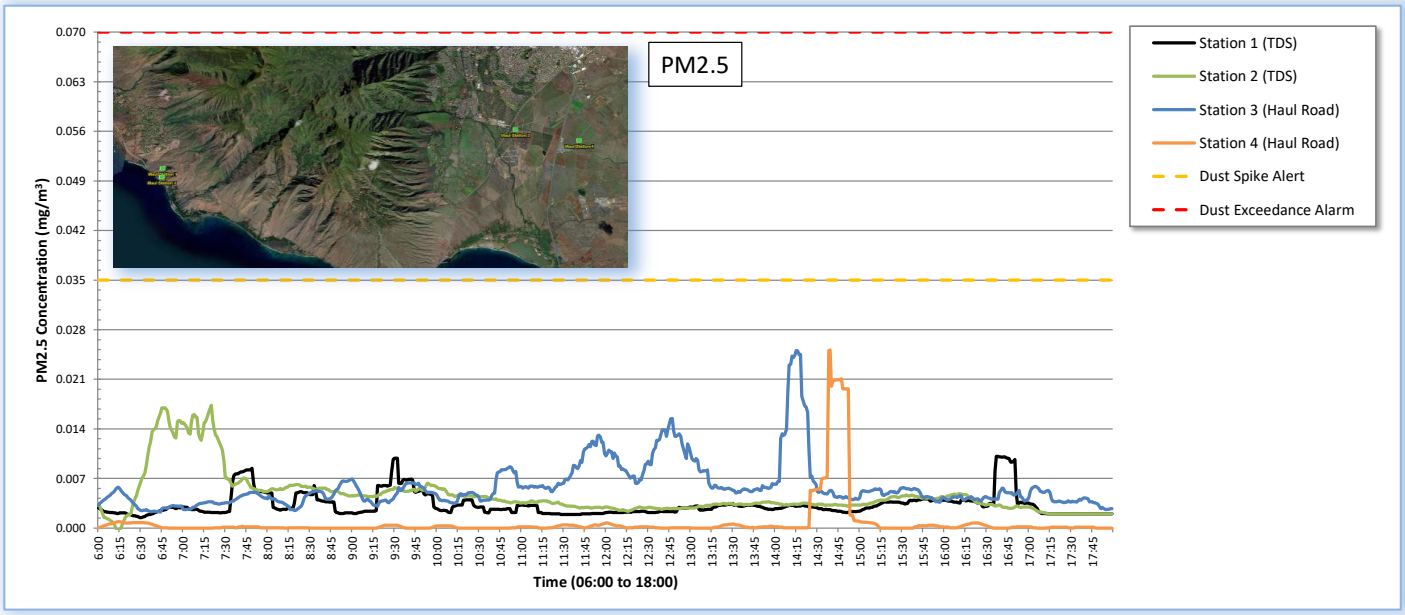

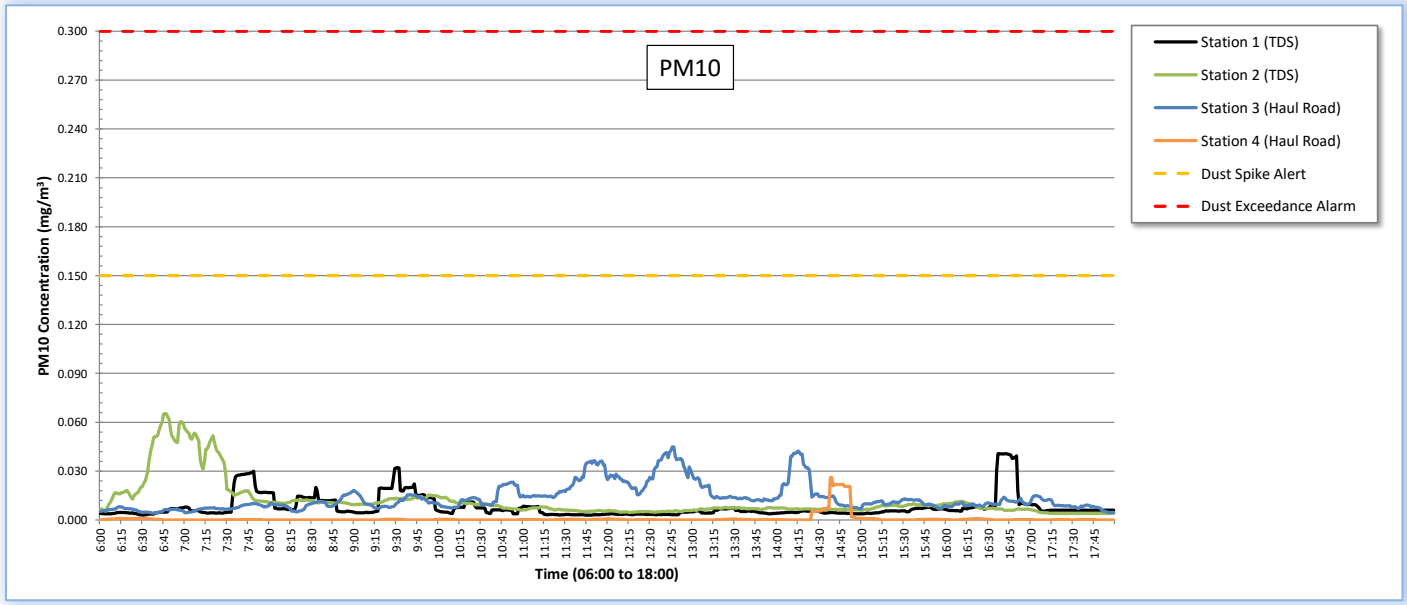

DEBRIS TRANSPORT AIR MONITORING

MAUI TDS(OLOWALU) TO PDS(CENTRAL)

August 20, 2025

Prepared for
United States Army Corps of Engineers

Prepared by:

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Debris Transfer Air monitoring: August 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.

Debris transfer continued today.

Weather:

		TDS	Haul Road
Precipitation		No rain observed all day. Skies clear. Overnight chance of precipitation is 10%.	No rain observed all day. Skies clear. Overnight chance of precipitation is 10%.
Wind Direction		NE	NE
Wind Speed	Average	8 mph	20 mph
	Range	5– 18 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 and Station 4 were set up on Haul Road.

Station Data:

No stations exceeded the Project limit or the Action Level for the day. A series of notifications for PM2.5 and PM10 spikes and exceedances occurring and starting at 5:33pm HST. None of these notifications were related to debris removal. The last haul truck left TDS at approximately 4:00pm on 8/20/25.

		Maui Station 1	Maui Station 2	Maui Station 3	Maui Station 4	Project Limit	Action Level
PM 2.5	Avg, ug/M^3	5	3	7	0	70	35
PM 10	Avg, ug/M^3	17	10	19	0	300	150

Monitoring Station Map:

DAILY AIR MONITORING REPORT

Real-Time Particulates

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

8/20/2025

PM2.5 Particulate Summary

Station ID/Location	Daily Average PM2.5 Conc (mg/m³)	Max PM2.5 Conc (mg/m³)	Time of Max	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	0.466	17:32	0.005	0.073	17:33
Station 2 (TDS)	0.003	0.104	17:33	0.003	0.020	17:34
Station 3 (Haul Road)	0.007	0.095	8:49	0.007	0.024	10:26
Station 4 (Haul Road)	0.000	0.002	6:03	0.000	0.001	16:16

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)	0.018	1.078	17:32	0.017	0.241	17:33
Station 2 (TDS)	0.087	0.544	17:33	0.010	0.093	17:34
Station 3 (Haul Road)	0.019	0.211	11:25	0.019	0.078	10:25
Station 4 (Haul Road)	0.000	0.003	13:45	0.000	0.001	16:16

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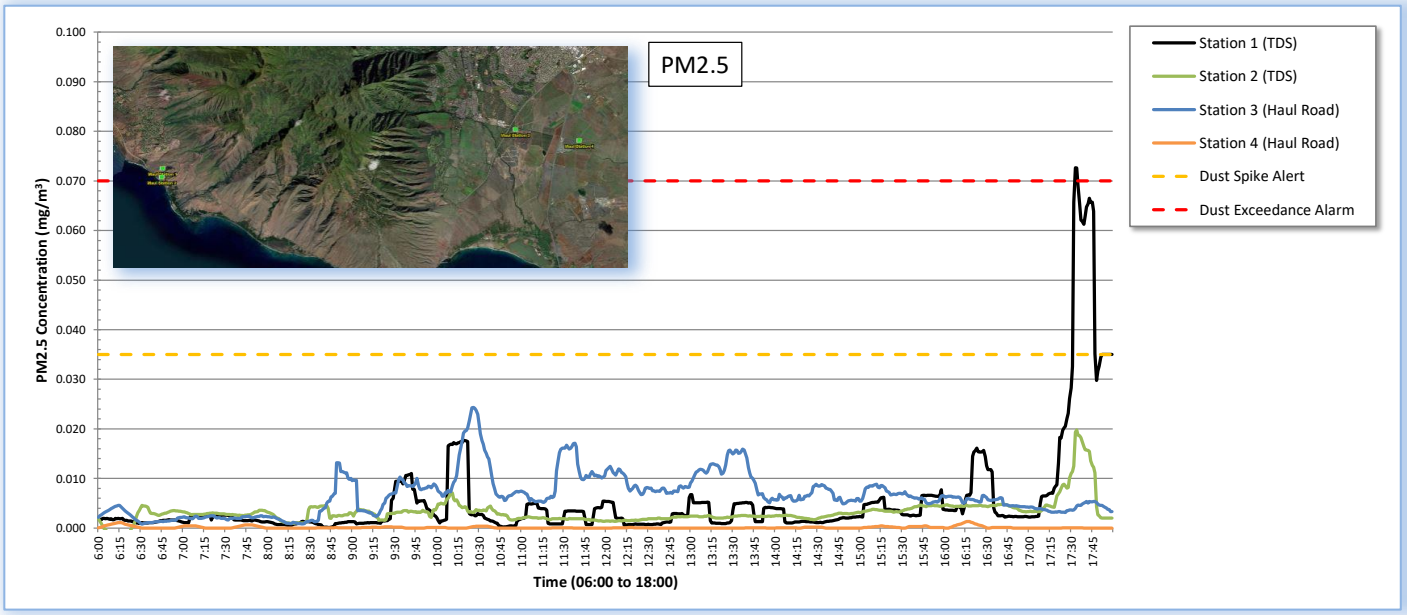

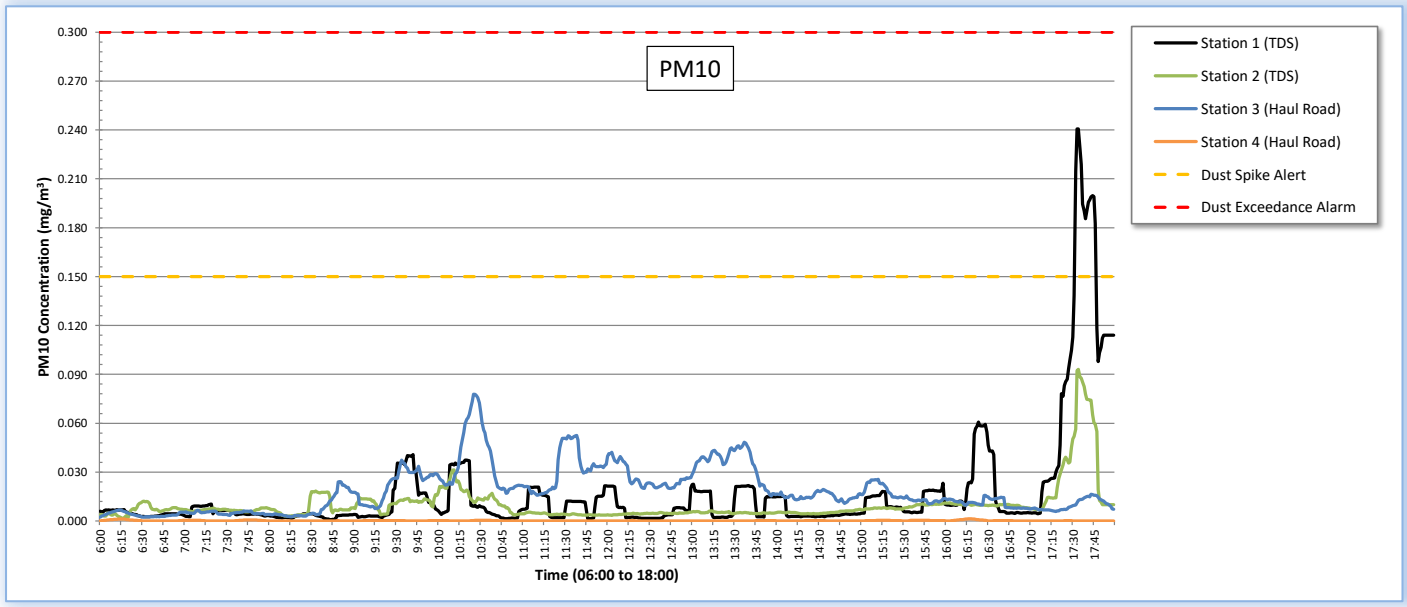

DEBRIS TRANSPORT AIR MONITORING

MAUI TDS(OLOWALU) TO PDS(CENTRAL)

August 21, 2025

Prepared for
United States Army Corps of Engineers

Prepared by:

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Debris Transfer Air monitoring: August 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.

Debris transfer continued today.

Weather:

		TDS	Haul Road
Precipitation		No rain observed all day. Skies clear. Overnight chance of precipitation is 10%.	No rain observed all day. Skies clear. Overnight chance of precipitation is 10%.
Wind Direction		NE	NE
Wind Speed	Average	6 mph	16 mph
	Range	4– 16 mph	13–28 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. All action level alerts today were caused by station maintenance and not debris removal.

		Maui Station 1	Maui Station 2	Maui Station 3	Maui Station 4	Project Limit	Action Level
PM 2.5	Avg, ug/M^3	5	5	8	0	70	35
PM 10	Avg, ug/M^3	14	13	22	0	300	150

Monitoring Station Map:

DAILY AIR MONITORING REPORT

Real-Time Particulates

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

8/21/2025

PM2.5 Particulate Summary

Station ID/Location	Daily Average PM2.5 Conc (mg/m³)	Max PM2.5 Conc (mg/m³)	Time of Max	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	0.718	14:06	0.005	0.054	14:14
Station 2 (TDS)	0.005	0.440	14:34	0.005	0.046	14:44
Station 3 (Haul Road)	0.008	0.147	8:56	0.008	0.028	12:21
Station 4 (Haul Road)	0.000	0.003	10:38	0.000	0.002	6:15

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)	0.013	1.086	14:06	0.014	0.108	6:00
Station 2 (TDS)	0.088	1.204	14:34	0.013	0.130	14:36
Station 3 (Haul Road)	0.022	0.306	13:55	0.022	0.095	12:21
Station 4 (Haul Road)	0.000	0.003	10:36	0.000	0.002	10:45

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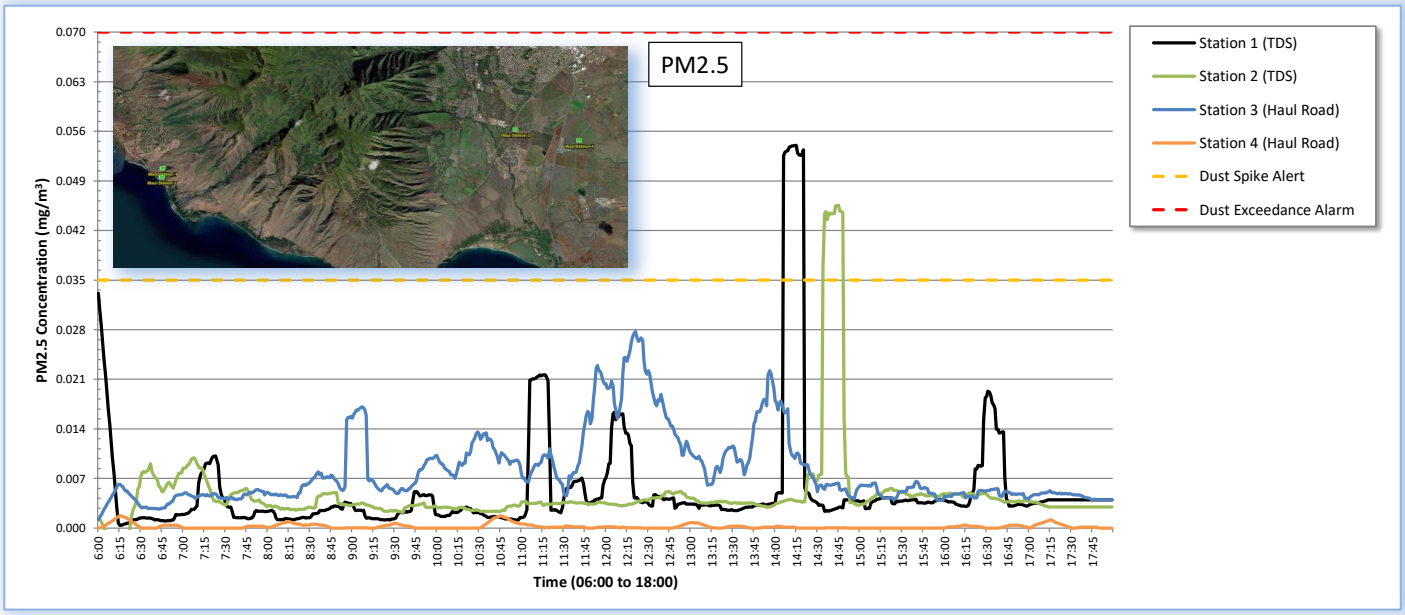

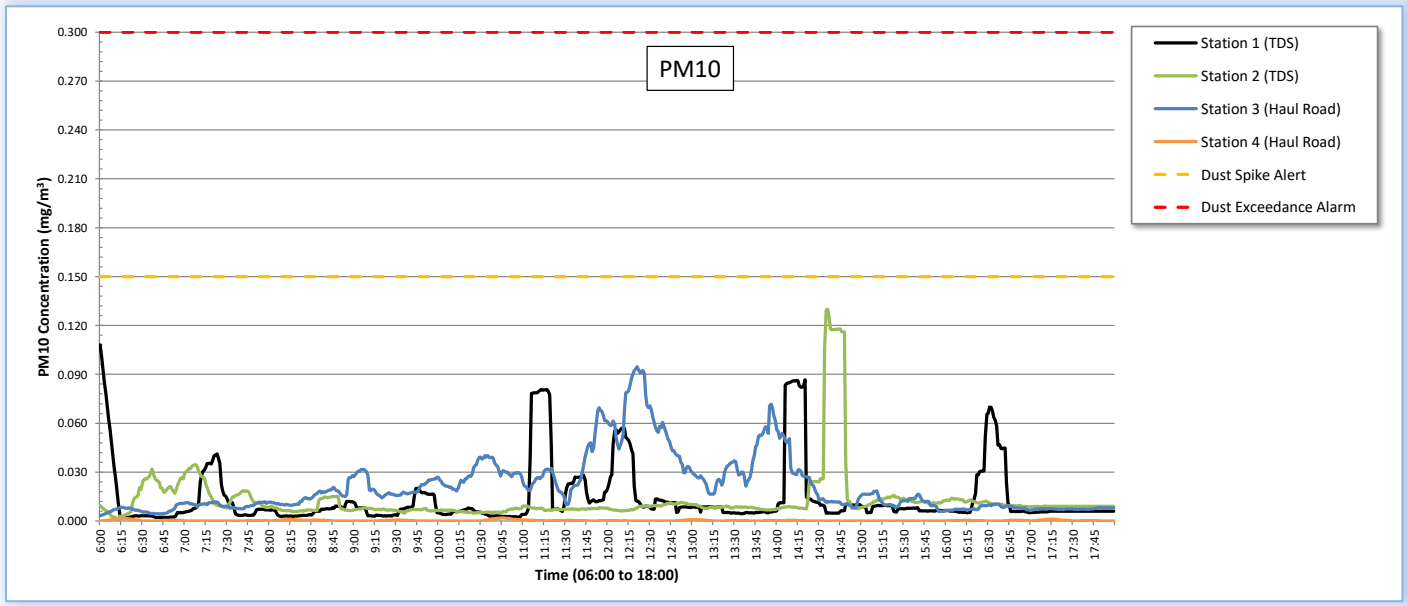

DEBRIS TRANSPORT AIR MONITORING

MAUI TDS(OLOWALU) TO PDS(CENTRAL)

August 23, 2025

Prepared for
United States Army Corps of Engineers

Prepared by:

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Debris Transfer Air monitoring: August 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.

Debris transfer continued today.

Weather:

		TDS	Haul Road
Precipitation		No rain observed all day. Skies clear. Overnight chance of precipitation is 10%.	No rain observed all day. Skies clear. Overnight chance of precipitation is 10%.
Wind Direction		NE	NE
Wind Speed	Average	7 mph	15 mph
	Range	5– 19 mph	11–25 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. Notifications occurring at 0713 were investigated by the AMT. These non-sustained spikes (PM2.5 and PM10) and exceedances (PM2.5 and PM10) were likely attributed to debris removal operations at TDS. At the time of check the AMT observed ~ 10-12 haul trucks ingress and digress up and down the paved access road leading up to the top of TDS where debris removal excavation operations are taking place. The AMT observed significant yet small dust plumes being generated by trucks tracking dust down and kicking up dust near station two from either their jake brakes or cooling fans kicking up dust These plumes were observed to drift west towards station two as the trucks passed by. These spikes/exceedances lasted less than 10 minutes and water trucks were observed to wet the road throughout the rest of the day. The AMT did not observe any dust generated coming from the truck loads themselves and all trucks were properly wrapped.

		Maui Station 1	Maui Station 2	Maui Station 3	Maui Station 4	Project Limit	Action Level
PM 2.5	Avg, ug/M^3	6	19	6	1	70	35
PM 10	Avg, ug/M^3	13	27	11	1	300	150

Monitoring Station Map:

DAILY AIR MONITORING REPORT

Real-Time Particulates

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

8/23/2025

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)	0.006	0.091	15:27	0.006	0.017	15:39
Station 2 (TDS)	0.019	5.218	7:13	0.019	0.585	7:26
Station 3 (Haul Road)	0.006	0.033	11:15	0.006	0.009	6:15
Station 4 (Haul Road)	0.001	0.010	16:55	0.001	0.003	17:02

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)	0.013	0.351	15:27	0.013	0.056	15:39
Station 2 (TDS)	0.089	5.338	7:13	0.027	0.623	7:26
Station 3 (Haul Road)	0.011	0.070	10:30	0.011	0.021	10:42
Station 4 (Haul Road)	0.001	0.010	16:55	0.001	0.003	17:02

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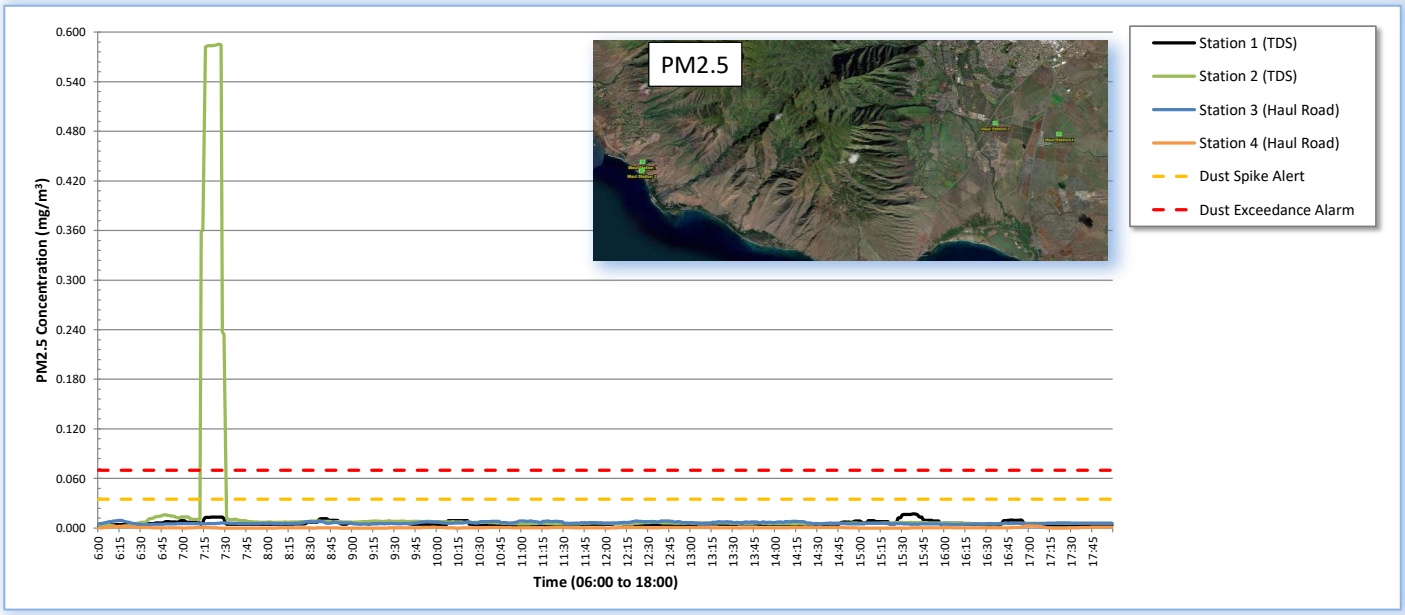

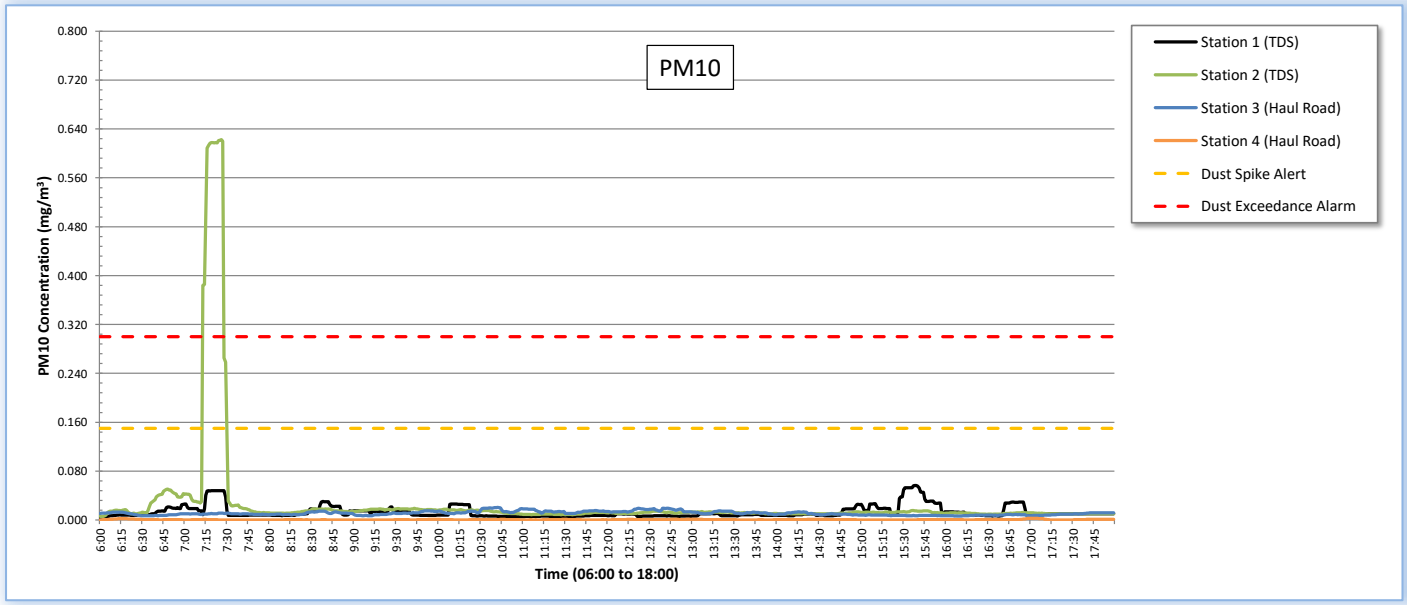

DEBRIS TRANSPORT AIR MONITORING

MAUI TDS(OLOWALU) TO PDS(CENTRAL)

August 24, 2025

Prepared for
United States Army Corps of Engineers

Prepared by:

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Debris Transfer Air monitoring: August 24, 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 and Station 4 were set up on Haul Road. No Debris activities occurred 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	5	23	5	0	70	35
PM 10	Avg, ug/M^3	9	29	9	0	300	150

Monitoring Station Map:

DAILY AIR MONITORING REPORT - BACKGROUND

Real-Time Particulates

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

8/24/2025

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	0.122	6:14	0.005	0.018	6:18
Station 2 (TDS)	0.023	12.580	8:04	0.023	0.855	8:09
Station 3 (Haul Road)	0.005	0.027	10:59	0.005	0.011	11:12
Station 4 (Haul Road)	0.000	0.006	6:28	0.000	0.002	6:10

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)	0.009	0.304	6:14	0.009	0.049	6:17
Station 2 (TDS)	0.088	12.584	8:04	0.029	0.863	8:09
Station 3 (Haul Road)	0.009	0.083	10:59	0.009	0.031	11:12
Station 4 (Haul Road)	0.000	0.006	6:28	0.000	0.002	6:10

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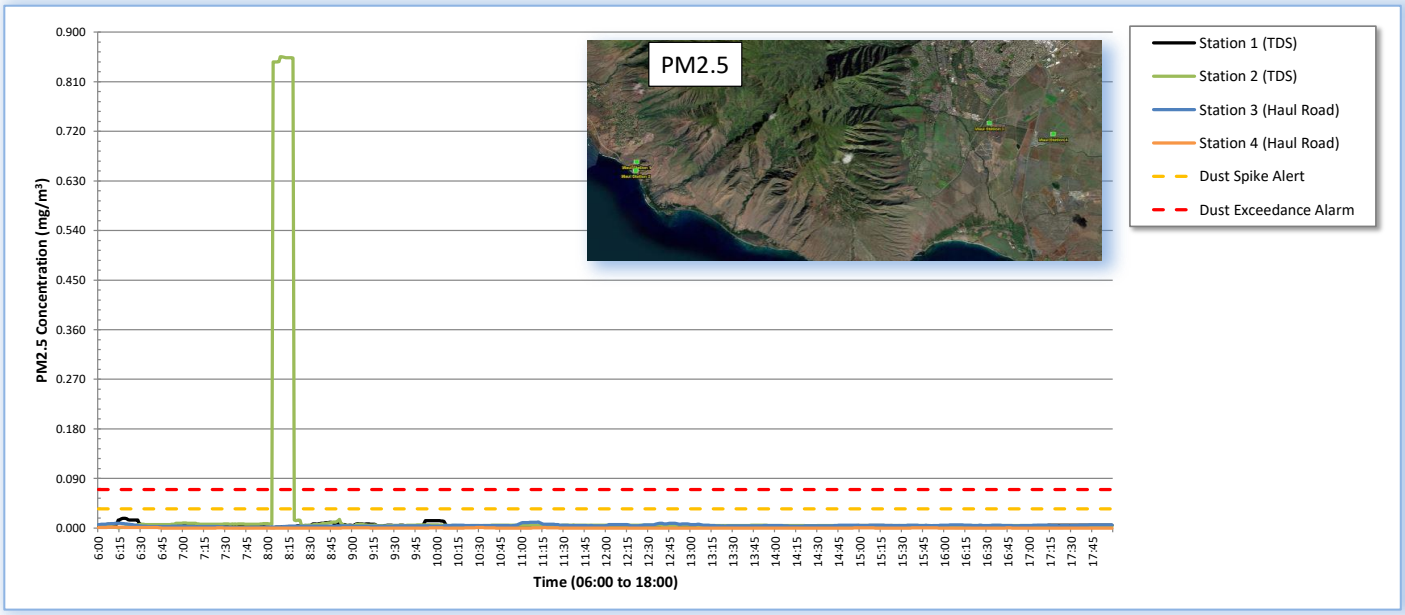

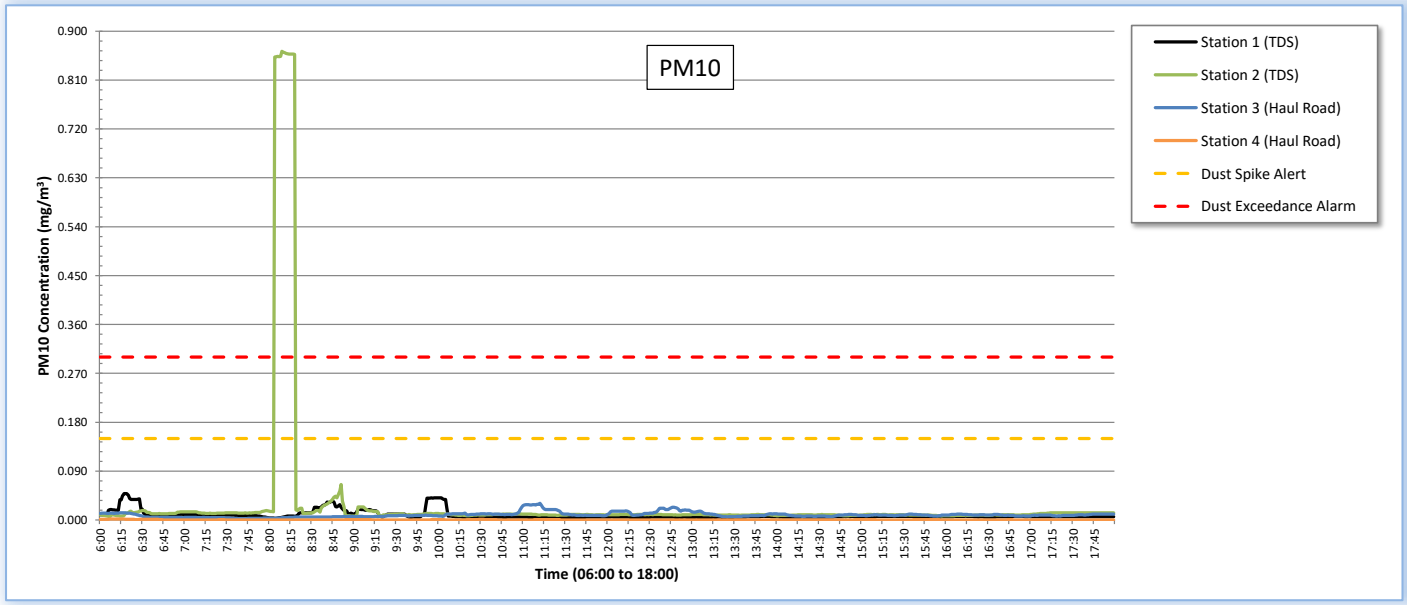

DEBRIS TRANSPORT AIR MONITORING

MAUI TDS(OLOWALU) TO PDS(CENTRAL)

August 25, 2025

Prepared for
United States Army Corps of Engineers

Prepared by:

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Debris Transfer Air monitoring: August 25, 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.

Weather:

		TDS	Haul Road
Precipitation		No precipitation observed all day. Skies mostly clear and sunny. Overnight chance of precipitation is 10%.	No precipitation observed all day. Skies mostly sunny. Overnight chance of precipitation is 10%.
Wind Direction		N	NE
Wind Speed	Average	8 mph	14 mph
	Range	6– 16 mph	9–26 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. No Debris activities occurred today.

Station Data:

No stations exceeded the Project limit or the Action Level for the day. The following observations were reported by the air monitoring team

Maui Station 2: A total of 2 notifications (PM2.5 and PM10 spikes) occurred at station two at 0705 and were investigated by the AMT. These non-sustained spikes were likely attributed to empty/full haul trucks tracking down and kicking up dust due to jake brakes or cooling fans kicking in during digress and ingress. These small clouds of dust were observed to drift west towards station two as the trucks passed by. The AMT did not observe any dust generated coming from the truck loads themselves and all trucks were properly wrapped. Dust suppression methods were observed and implemented all day.

Maui Station 3: A total of 11 notifications were received today at air monitoring station three. The AMT observed agricultural employees using a front loader and an excavator to move large amounts of earth nearby and upwind of station three from 1040 until 1420. Large clouds of dust from this activity were observed directly impacting station three, which caused multiple PM 2.5 and PM 10 spikes and one PM 2.5 exceedance.

		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	0	70	35
PM 10	Avg, ug/M^3	9	19	38	0	300	150

Monitoring Station Map:

DAILY AIR MONITORING REPORT

Real-Time Particulates

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

8/23/2025

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)	0.006	0.091	15:27	0.006	0.017	15:39
Station 2 (TDS)	0.019	5.218	7:13	0.019	0.585	7:26
Station 3 (Haul Road)	0.006	0.033	11:15	0.006	0.009	6:15
Station 4 (Haul Road)	0.001	0.010	16:55	0.001	0.003	17:02

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)	0.013	0.351	15:27	0.013	0.056	15:39
Station 2 (TDS)	0.089	5.338	7:13	0.027	0.623	7:26
Station 3 (Haul Road)	0.011	0.070	10:30	0.011	0.021	10:42
Station 4 (Haul Road)	0.001	0.010	16:55	0.001	0.003	17:02

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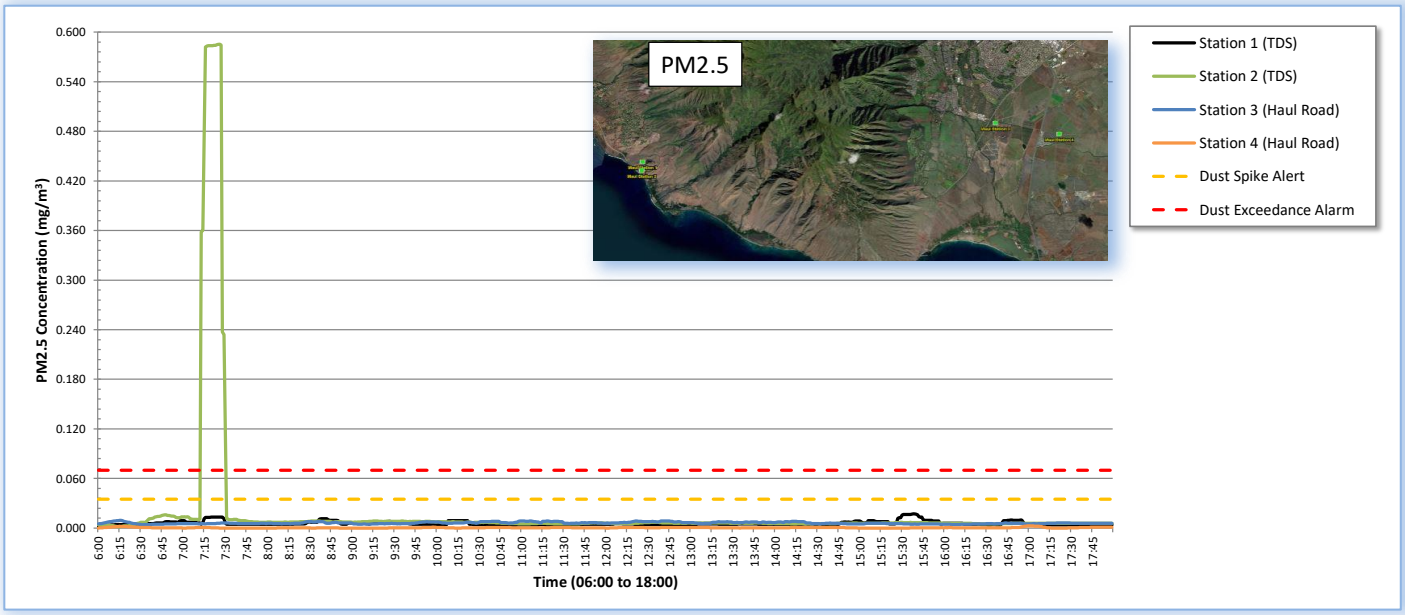

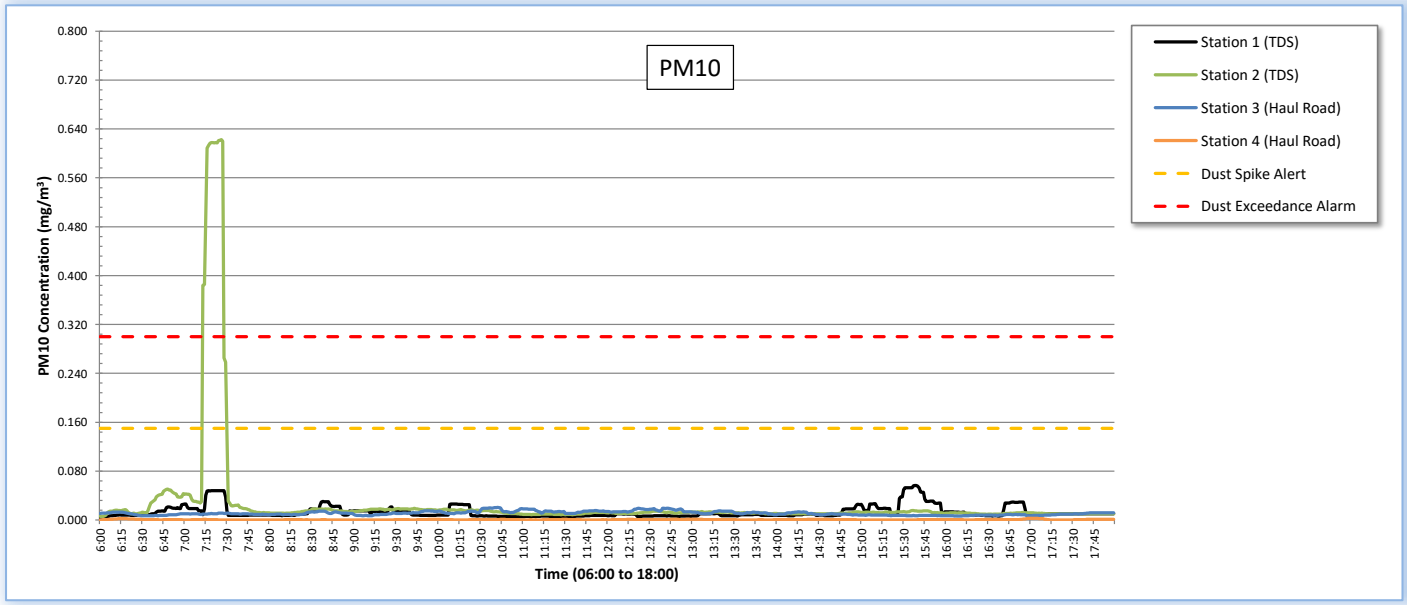

DEBRIS TRANSPORT AIR MONITORING

MAUI TDS(OLOWALU) TO PDS(CENTRAL)

August 26, 2025

Prepared for
United States Army Corps of Engineers

Prepared by:

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Debris Transfer Air monitoring: August 26, 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.

Weather:

		TDS	Haul Road
Precipitation		No precipitation observed all day. Skies mostly clear and sunny. Overnight chance of precipitation is 10%.	No precipitation observed all day. Skies mostly sunny. Overnight chance of precipitation is 10%.
Wind Direction		NE	NNE
Wind Speed	Average	8 mph	12-22 mph
	Range	6– 14 mph	12–20 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. The following observations were reported by the air monitoring team

Maui Station 3: A total of 35 notifications were received today at air monitoring station three. The 35 notifications of PM Spikes/Exceedances at station three were not associated with debris transport operations from TDS to PDS. For all notifications, the AMT observed private (Mahi Pono) contractors working on an agricultural farming canal (~30 meters upwind of station three). The AMT observed an excavator and a front loader removing vegetation and leveling dirt along the canal (~30 meters upwind), creating large plumes of visible dust. The clouds of dust created from this activity were observed directly impacting station three, which caused multiple PM 2.5 and PM 10 spikes and exceedances. The AMT did not observe any dust generated from full haul truck ingress to PDS. All truck debris loads were observed to be wrapped properly, and dust suppression methods were implemented routinely throughout the day. In addition, the disturbance to the ground resulted in significant areas of loose earth near station three. Wind gusts were observed kicking large dust clouds up from these areas which blew towards station three and caused elevated readings and one PM 2.5 spike at 1618. The AMT expects that elevated readings will continue until the canal work is completed. The last truck passed station three at 1630. Any notifications or elevated readings after 1630 the AMT did not respond to and were not associated with debris transport activities.

		Maui Station 1	Maui Station 2	Maui Station 3	Maui Station 4	Project Limit	Action Level
PM 2.5	Avg, ug/M^3	5	6	34	0	70	35
PM 10	Avg, ug/M^3	11	12	111	0	300	150

Monitoring Station Map:

DAILY AIR MONITORING REPORT

Real-Time Particulates

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

8/26/2025

PM2.5 Particulate Summary

Station ID/Location	Daily Average PM2.5 Conc (mg/m³)	Max PM2.5 Conc (mg/m³)	Time of Max
Station 1 (TDS)	0.005	0.153	16:20
Station 2 (TDS)	0.006	0.016	16:32
Station 3 (Haul Road)	0.035	0.390	8:59
Station 4 (Haul Road)	0.000	0.005	6:15

15-Min Avg PM2.5 Conc (mg/m³)	Max 15-Min PM2.5 Conc (mg/m³)	Time of Max 15-Min Avg
0.005	0.028	16:26
0.006	0.008	15:59
0.034	0.152	9:07
0.000	0.004	6:28

PM10 Particulate Summary

Station ID/Location	Daily Average PM10 Conc (mg/m³)	Max PM10 Conc (mg/m³)	Time of Max
Station 1 (TDS)	0.011	0.583	16:20
Station 2 (TDS)	0.105	0.035	15:11
Station 3 (Haul Road)	0.115	1.100	8:59
Station 4 (Haul Road)	0.000	0.005	6:15

15-Min Avg PM10 Conc (mg/m³)	Max 15-Min PM10 Conc (mg/m³)	Time of Max 15-Min Avg
0.011	0.093	16:26
0.012	0.018	16:01
0.111	0.508	9:07
0.000	0.004	6:28

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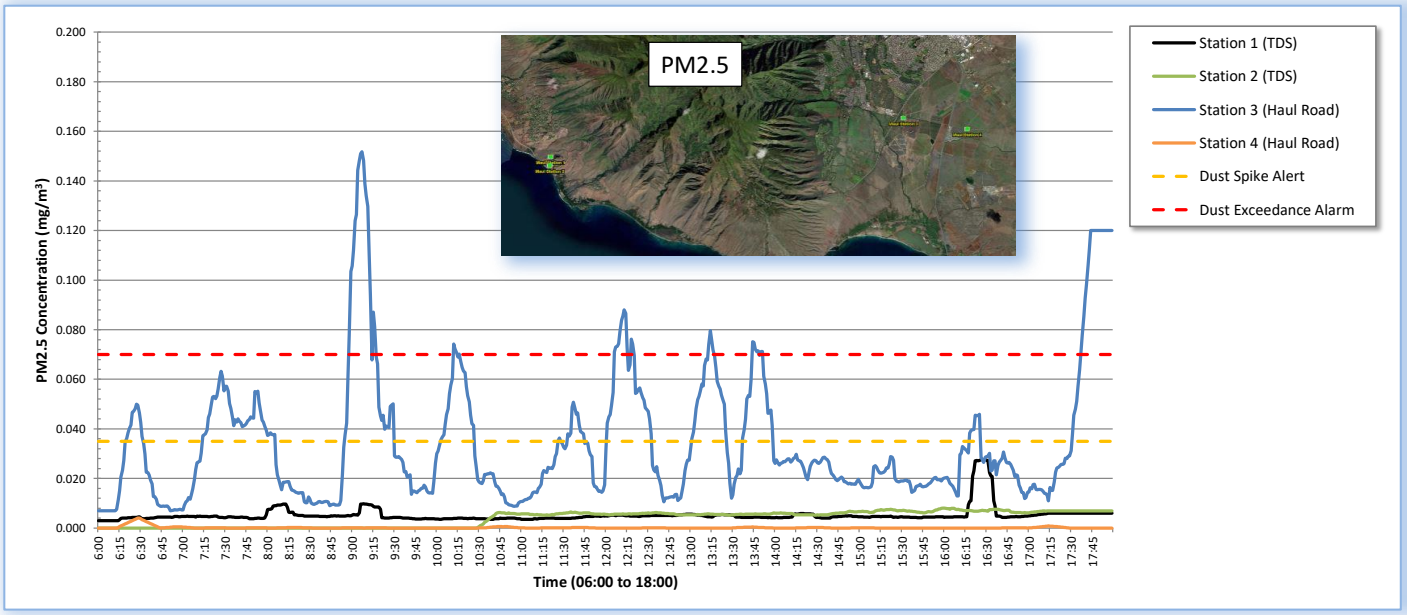

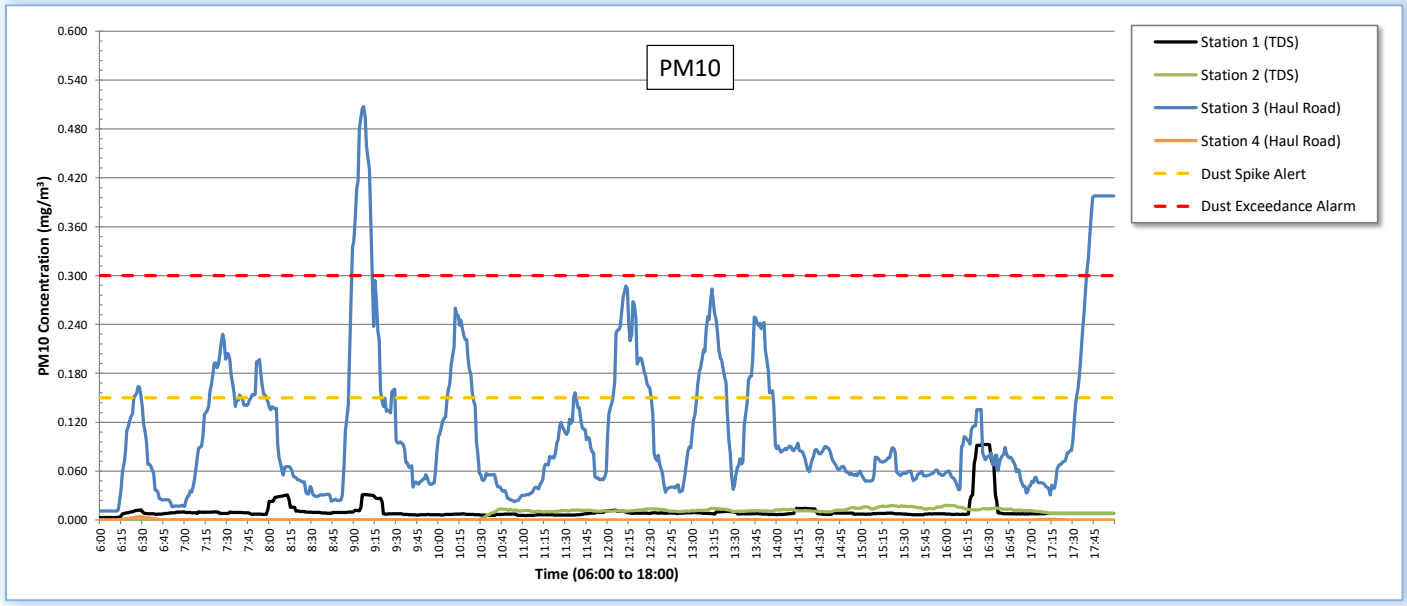

DEBRIS TRANSPORT AIR MONITORING

MAUI TDS(OLOWALU) TO PDS(CENTRAL)

August 27, 2025

Prepared for
United States Army Corps of Engineers

Prepared by:

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Debris Transfer Air monitoring: August 27, 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.

Weather:

		TDS	Haul Road
Precipitation		No precipitation observed all day. Skies mostly clear and sunny. Overnight chance of precipitation is 10%.	No precipitation observed all day. Skies mostly sunny. Overnight chance of precipitation is 10%.
Wind Direction		NW	NNE
Wind Speed	Average	10 mph	16 mph
	Range	5– 21 mph	11–29 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. The following observations were reported by the air monitoring team

Maui Station 3: A total of 22 notifications were received today at air monitoring station three. The 22 notifications of PM2.5 and PM10 Spikes/Exceedances at station three were not associated with debris transport operations from TDS to PDS. For all notifications, the AMT observed private (Mahi Pono) contractors working on an agricultural farming canal (~30 meters upwind of station three). This private construction operation began on 8/21 with expected completion by the end of the week. The AMT observed workers installing pipes and laying down ground cover. An excavator and a front loader were also removing vegetation, leveling the ground, and moving dirt piles near the canal (~30 meters upwind of station three), creating large plumes of visible dust. The clouds of dust created from this activity were observed directly impacting station three, which caused multiple PM 2.5 and PM 10 spikes and exceedances. The AMT did not observe any dust generated from full haul truck ingress to PDS. All truck debris loads were observed to be wrapped properly, and dust suppression methods were implemented routinely throughout the day. In addition, the disturbance to the ground resulted in significant areas of loose earth near station three. Wind gusts were observed kicking large dust clouds up from these areas which blew towards station three. The canal workers were spreading gravel and laying down groundcover that should limit dust creation. A water truck occasionally sprayed the area as well. The AMT expects that elevated readings will continue until the canal work is completed. Any notifications or elevated readings before trucks began passing the station at 0630 or after the last truck passed at 1650 the AMT did not respond to and were not associated with debris transport activities.

		Maui Station 1	Maui Station 2	Maui Station 3	Maui Station 4	Project Limit	Action Level
PM 2.5	Avg, ug/M^3	5	7	30	0	70	35
PM 10	Avg, ug/M^3	11	17	102	0	300	150

Monitoring Station Map:

DAILY AIR MONITORING REPORT

Real-Time Particulates

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

8/27/2025

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)	0.005	0.103	16:22	0.005	0.016	16:31
Station 2 (TDS)	0.007	0.199	15:05	0.007	0.020	15:19
Station 3 (Haul Road)	0.029	0.643	12:40	0.030	0.114	6:00
Station 4 (Haul Road)	0.000	0.003	6:01	0.000	0.003	6:15

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	0.385	16:22	0.011	0.053	16:31
Station 2 (TDS)	0.099	0.991	15:05	0.017	0.082	15:17
Station 3 (Haul Road)	0.099	2.586	12:40	0.102	0.412	12:51
Station 4 (Haul Road)	0.000	0.003	6:01	0.000	0.003	6:15

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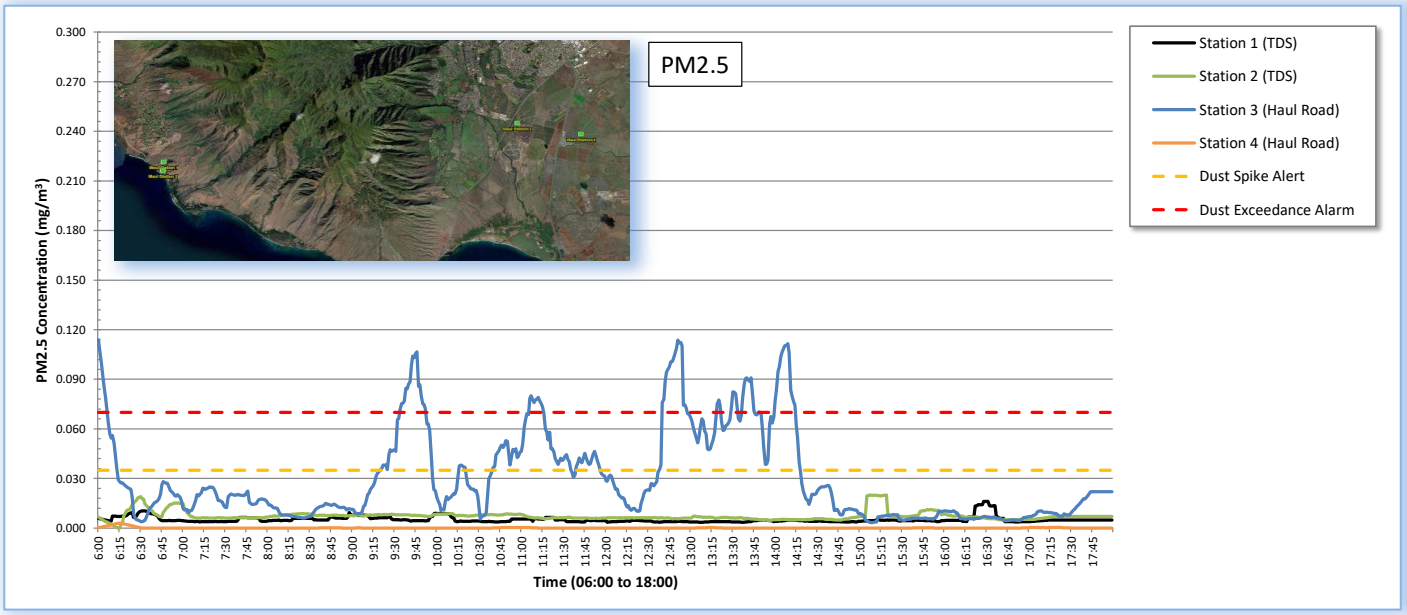

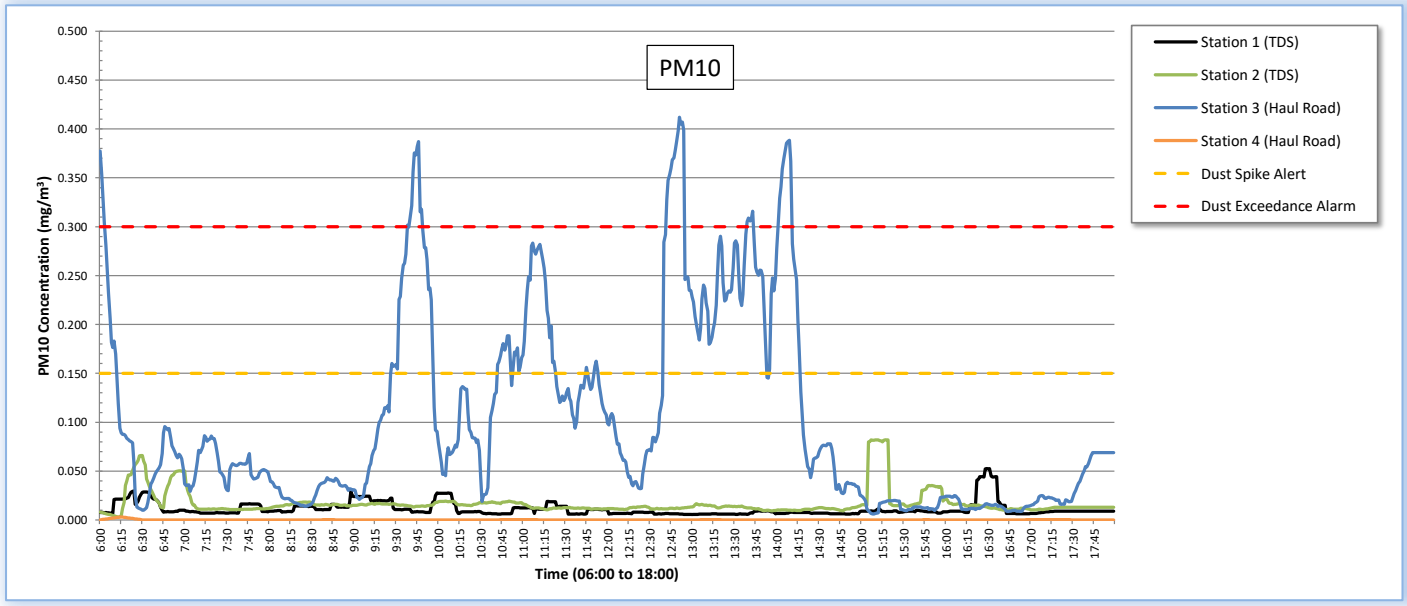

DEBRIS TRANSPORT AIR MONITORING

MAUI TDS(OLOWALU) TO PDS(CENTRAL)

August 28, 2025

Prepared for
United States Army Corps of Engineers

Prepared by:

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Debris Transfer Air monitoring: August 28, 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.

Weather:

		TDS	Haul Road
Precipitation		No precipitation observed all day. Skies partly cloudy. Isolated moderate rain showers expected for the rest of the day before sunset. Overnight chance of precipitation is 10%.	No rain observed all day. Skies partly cloudy. Overnight chance of precipitation is 10%.
Wind Direction		NW	NNE
Wind Speed	Average	9 mph	17 mph
	Range	6– 14 mph	11–27 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	6	14	0	70	35
PM 10	Avg, ug/M^3	8	12	41	0	300	150

Monitoring Station Map:

DAILY AIR MONITORING REPORT

Real-Time Particulates

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

8/28/2025

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)	0.004	0.056	9:46	0.004	0.009	9:50
Station 2 (TDS)	0.006	0.014	9:41	0.006	0.009	9:51
Station 3 (Haul Road)	0.014	0.230	15:25	0.014	0.042	10:26
Station 4 (Haul Road)	0.000	0.004	7:16	0.000	0.003	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)	0.008	0.192	16:22	0.008	0.018	16:23
Station 2 (TDS)	0.090	0.048	9:41	0.012	0.023	15:41
Station 3 (Haul Road)	0.040	0.621	15:25	0.041	0.130	10:26
Station 4 (Haul Road)	0.000	0.004	7:16	0.000	0.003	7:30

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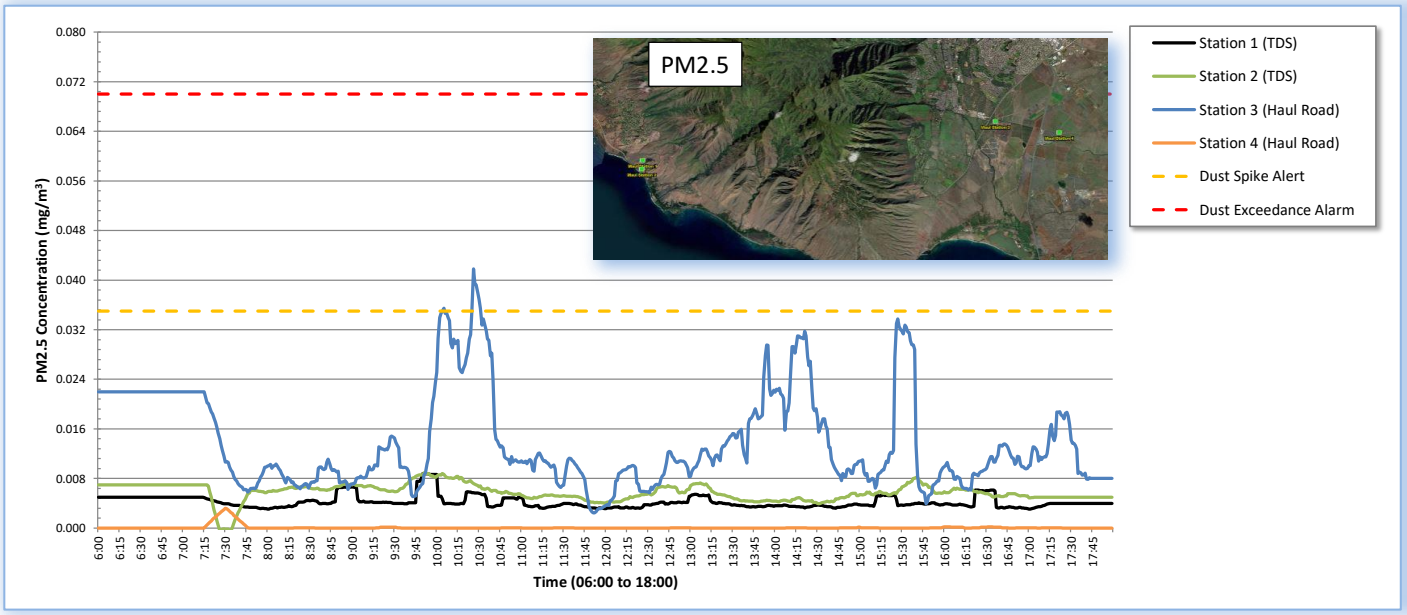

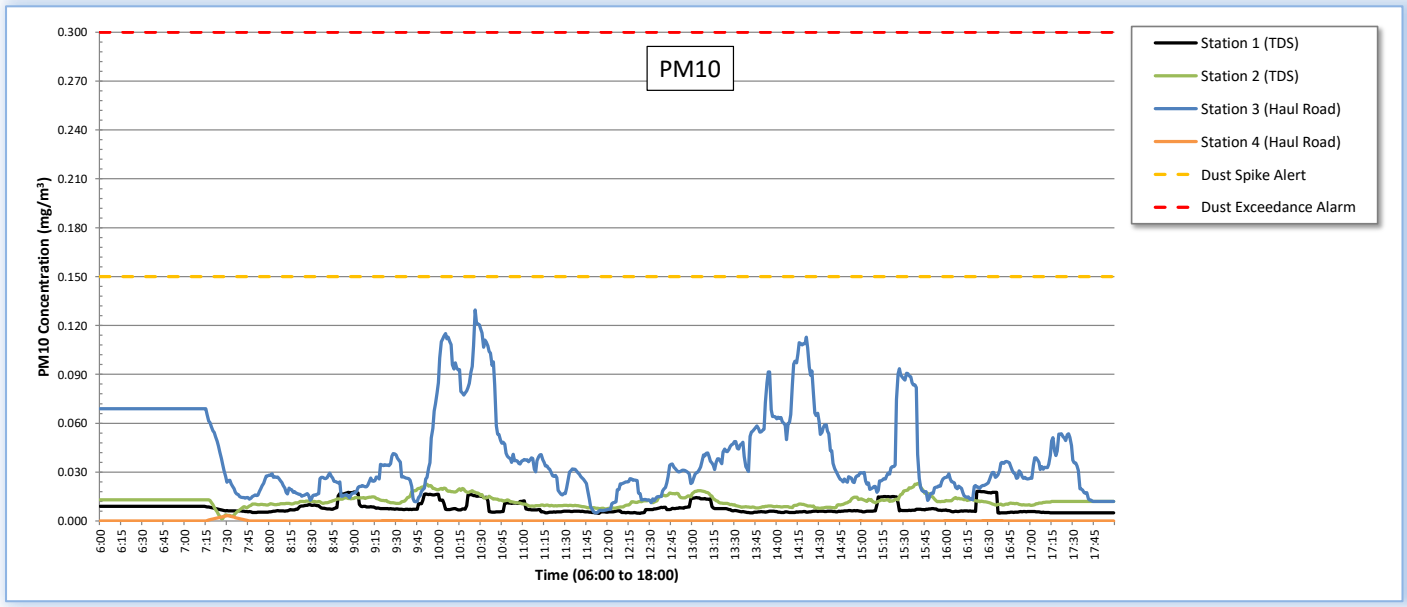

DEBRIS TRANSPORT AIR MONITORING

MAUI TDS(OLOWALU) TO PDS(CENTRAL)

August 29, 2025

Prepared for
United States Army Corps of Engineers

Prepared by:

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Debris Transfer Air monitoring: August 29, 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.

Weather:

		TDS	Haul Road
Precipitation		Light showers observed in the morning. Skies mostly clear. Overnight chance of precipitation is 10%	No rain observed all day. Skies partly cloudy. Overnight chance of precipitation is 10%.
Wind Direction		NW-SW	NNE
Wind Speed	Average	8 mph	19 mph
	Range	6– 174 mph	12–30 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.

The AMT responded to a *total of 7 notifications* that were received today at air monitoring station three.

- Five PM2.5 spikes were received from 1347-1415.
    - The AMT observed private (Mahi Pono) contractors working on an agricultural farming canal (~30 meters upwind of station three). This private construction operation began on 8/21 with expected completion by the end of the week. The AMT observed workers transferring dirt piles into a truck with an excavator and driving through deep patches of dry dust which occasionally created clouds of dust that blew towards station three.
- Two notifications total (one PM2.5 spike and one PM10 spike) were received from 1526-1530.
    - For the two notifications between 1526-1530 the AMT observed strong wind gusts kicking up visible dust clouds that directly impacted station three.
- None of the notifications received all day at station three were associated with debris transport operations from TDS to PDS.

		Maui Station 1	Maui Station 2	Maui Station 3	Maui Station 4	Project Limit	Action Level
PM 2.5	Avg, ug/M^3	4	5	13	0	70	35
PM 10	Avg, ug/M^3	8	12	39	0	300	150

Monitoring Station Map:

DAILY AIR MONITORING REPORT

Real-Time Particulates

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

8/29/2025

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)	0.004	0.070	7:13	0.004	0.012	7:23
Station 2 (TDS)	0.005	0.025	7:53	0.005	0.010	8:00
Station 3 (Haul Road)	0.013	0.216	15:21	0.013	0.055	15:35
Station 4 (Haul Road)	0.000	0.052	15:24	0.000	0.008	15:24

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	0.249	15:03	0.008	0.034	7:27
Station 2 (TDS)	0.090	0.101	7:55	0.012	0.032	8:00
Station 3 (Haul Road)	0.039	0.781	14:02	0.039	0.167	15:35
Station 4 (Haul Road)	0.000	0.058	15:24	0.000	0.008	15:24

"--" indicates no data or NA