

Illinois Cabinet Air Monitoring Summary Tables

The tables below summarize preliminary air monitoring data collected using DustTrak DRX instruments.

Project Name: Illinois Cabinet RV
Date/Time: October 11, 2024 - 07:39 to 16:01

Weather

Temperature: 45 to 82 °F
Wind Speed: 3 to 18 miles per hour
Wind Direction: South / southwest
Conditions: Partly cloudy

Downwind Air Monitoring Station (Northeast)							
Instrument	Analyte	Public Health Screening Level ¹	Public Health Screening Level Exceeded?	15-Minute Period Concentration Range	Average of All 15-Minute Periods	8-Hour Period Concentration Range	Average of All 8-Hour Periods
DustTrak (S/N: 8533213308)	PM _{2.5} (mg/m ³)	0.035 mg/m ³	No	0.013 to 0.024	0.017327099	0.018 to 0.018	0.018
	PM ₁₀ (mg/m ³)	0.15 mg/m ³	No	0.020 to 0.041	0.017327099	0.026 to 0.026	0.026

North Air Monitoring Station							
Instrument	Analyte	Public Health Screening Level ¹	Public Health Screening Level Exceeded?	15-Minute Period Concentration Range	Average of All 15-Minute Periods	8-Hour Period Concentration Range	Average of All 8-Hour Periods
DustTrak (S/N: 8533233408)	PM _{2.5} (mg/m ³)	0.035 mg/m ³	Yes (see comment 2)	0.014 to 0.041	0.028575442	0.028 to 0.029	0.029
	PM ₁₀ (mg/m ³)	0.15 mg/m ³	No	0.021 to 0.054	0.037677863	0.037 to 0.038	0.038

Notes:

- Air monitoring measurements have been averaged over 15-minute and 8-hour time periods and summarized above.
- Start and stop times for each air monitoring instrument varies. The monitoring period is based on the earliest start time and latest stop time out of all units.
- Air monitoring is not performed during inclement weather conditions/rain and thunderstorms.
- 1 - Screening Levels are based on 24-hour time-weighted averages and were established by EPA's National Ambient Air Quality Standards (NAAQS).
- 2 - Particulate esceedences are attributed to dust resulting from laying of gravel and dirt throughout the site.

Illinois Cabinet Air Monitoring Summary Tables

The tables below summarize preliminary air monitoring data collected using DustTrak DRX instruments.

Project Name: Illinois Cabinet RV
Date/Time: October 15, 2024 - 08:48 to 17:47

Weather

Temperature: 36 to 53 °F
Wind Speed: 17 to 29 miles per hour
Wind Direction: North
Conditions: Partly Cloudy

Downwind Air Monitoring Station (South)							
Instrument	Analyte	Public Health Screening Level ¹	Public Health Screening Level Exceeded?	15-Minute Period Concentration Range	Average of All 15-Minute Periods	8-Hour Period Concentration Range	Average of All 8-Hour Periods
DustTrak (S/N: 8533213308)	PM _{2.5} (mg/m ³)	0.035 mg/m ³	No	0.004 to 0.022	0.009930733	0.010 to 0.010	0.010
	PM ₁₀ (mg/m ³)	0.15 mg/m ³	No	0.005 to 0.058	0.009930733	0.022 to 0.024	0.023

North Air Monitoring Station							
Instrument	Analyte	Public Health Screening Level ¹	Public Health Screening Level Exceeded?	15-Minute Period Concentration Range	Average of All 15-Minute Periods	8-Hour Period Concentration Range	Average of All 8-Hour Periods
DustTrak (S/N: 8533233408)	PM _{2.5} (mg/m ³)	0.035 mg/m ³	No	0.001 to 0.011	0.005822102	0.006 to 0.006	0.006
	PM ₁₀ (mg/m ³)	0.15 mg/m ³	No	0.002 to 0.018	0.008259581	0.008 to 0.008	0.008

East Air Monitoring Station							
Instrument	Analyte	Public Health Screening Level ¹	Public Health Screening Level Exceeded?	15-Minute Period Concentration Range	Average of All 15-Minute Periods	8-Hour Period Concentration Range	Average of All 8-Hour Periods
DustTrak (S/N: 8533233409)	PM _{2.5} (mg/m ³)	0.035 mg/m ³	No	0.004 to 0.015	0.01102707	0.011 to 0.011	0.011
	PM ₁₀ (mg/m ³)	0.15 mg/m ³	No	0.006 to 0.016	0.01102707	0.012 to 0.012	0.012

Notes:

Air monitoring measurements have been averaged over 15-minute and 8-hour time periods and summarized above.
Start and stop times for each air monitoring instrument varies. The monitoring period is based on the earliest start time and latest stop time out of all units.
Air monitoring is not performed during inclement weather conditions/rain and thunderstorms.
1 - Screening Levels are based on 24-hour time-weighted averages and were established by EPA's National Ambient Air Quality Standards (NAAQS).

Illinois Cabinet Air Monitoring Summary Tables

The tables below summarize preliminary air monitoring data collected using DustTrak DRX instruments.

Project Name: Illinois Cabinet RV
Date/Time: October 16, 2024 - 08:36 to 17:30

Weather

Temperature: 30 to 59 °F
Wind Speed: 6 to 12 miles per hour
Wind Direction: Northwest
Conditions: Clear

Downwind Air Monitoring Station (Southeast)							
Instrument	Analyte	Public Health Screening Level ¹	Public Health Screening Level Exceeded?	15-Minute Period Concentration Range	Average of All 15-Minute Periods	8-Hour Period Concentration Range	Average of All 8-Hour Periods
DustTrak (S/N: 8533213308)	PM _{2.5} (mg/m ³)	0.035 mg/m ³	No	0.004 to 0.023	0.007743011	0.008 to 0.008	0.008
	PM ₁₀ (mg/m ³)	0.15 mg/m ³	No	0.005 to 0.045	0.007743011	0.013 to 0.014	0.013

North Air Monitoring Station							
Instrument	Analyte	Public Health Screening Level ¹	Public Health Screening Level Exceeded?	15-Minute Period Concentration Range	Average of All 15-Minute Periods	8-Hour Period Concentration Range	Average of All 8-Hour Periods
DustTrak (S/N: 8533233408)	PM _{2.5} (mg/m ³)	0.035 mg/m ³	Yes (see comment 2)	0.011 to 0.047	0.026533655	0.026 to 0.027	0.027
	PM ₁₀ (mg/m ³)	0.15 mg/m ³	No	0.011 to 0.091	0.028438612	0.027 to 0.029	0.028

East Air Monitoring Station							
Instrument	Analyte	Public Health Screening Level ¹	Public Health Screening Level Exceeded?	15-Minute Period Concentration Range	Average of All 15-Minute Periods	8-Hour Period Concentration Range	Average of All 8-Hour Periods
DustTrak (S/N: 8533233409)	PM _{2.5} (mg/m ³)	0.035 mg/m ³	No	0.006 to 0.011	0.007648256	0.008 to 0.008	0.008
	PM ₁₀ (mg/m ³)	0.15 mg/m ³	No	0.007 to 0.013	0.007648256	0.009 to 0.009	0.009

Notes:

- Air monitoring measurements have been averaged over 15-minute and 8-hour time periods and summarized above.
- Start and stop times for each air monitoring instrument varies. The monitoring period is based on the earliest start time and latest stop time out of all units.
- Air monitoring is not performed during inclement weather conditions/rain and thunderstorms.
- 1 - Screening Levels are based on 24-hour time-weighted averages and were established by EPA's National Ambient Air Quality Standards (NAAQS).
- 2 - Upwind/off-site elevated levels of PM_{2.5} and PM₁₀ may impact air monitoring stations located downwind.

Illinois Cabinet Air Monitoring Summary Tables

The tables below summarize preliminary air monitoring data collected using DustTrak DRX instruments.

Project Name: Illinois Cabinet RV
Date/Time: October 17, 2024 - 07:56 to 17:06

Weather

Temperature: 29 to 66 °F
Wind Speed: 13 to 23 miles per hour
Wind Direction: South / Southwest
Conditions: Clear

Downwind Air Monitoring Station (Northwest)							
Instrument	Analyte	Public Health Screening Level ¹	Public Health Screening Level Exceeded?	15-Minute Period Concentration Range	Average of All 15-Minute Periods	8-Hour Period Concentration Range	Average of All 8-Hour Periods
DustTrak (S/N: 8533213308)	PM _{2.5} (mg/m ³)	0.035 mg/m ³	Yes (see comment 2)	0.008 to 0.052	0.014626864	0.015 to 0.015	0.015
	PM ₁₀ (mg/m ³)	0.15 mg/m ³	Yes (see comment 2)	0.012 to 0.160	0.014626864	0.029 to 0.029	0.029

North Air Monitoring Station							
Instrument	Analyte	Public Health Screening Level ¹	Public Health Screening Level Exceeded?	15-Minute Period Concentration Range	Average of All 15-Minute Periods	8-Hour Period Concentration Range	Average of All 8-Hour Periods
DustTrak (S/N: 8533233408)	PM _{2.5} (mg/m ³)	0.035 mg/m ³	Yes (see comment 2)	0.012 to 0.047	0.024961614	0.024 to 0.026	0.025
	PM ₁₀ (mg/m ³)	0.15 mg/m ³	No	0.018 to 0.078	0.031058536	0.030 to 0.033	0.031

East Air Monitoring Station							
Instrument	Analyte	Public Health Screening Level ¹	Public Health Screening Level Exceeded?	15-Minute Period Concentration Range	Average of All 15-Minute Periods	8-Hour Period Concentration Range	Average of All 8-Hour Periods
DustTrak (S/N: 8533233409)	PM _{2.5} (mg/m ³)	0.035 mg/m ³	No	0.011 to 0.017	0.013387982	0.013 to 0.013	0.013
	PM ₁₀ (mg/m ³)	0.15 mg/m ³	No	0.014 to 0.025	0.013387982	0.017 to 0.018	0.017

Notes:

- Air monitoring measurements have been averaged over 15-minute and 8-hour time periods and summarized above.
- Start and stop times for each air monitoring instrument varies. The monitoring period is based on the earliest start time and latest stop time out of all units.
- Air monitoring is not performed during inclement weather conditions/rain and thunderstorms.
- 1 - Screening Levels are based on 24-hour time-weighted averages and were established by EPA's National Ambient Air Quality Standards (NAAQS).
- 2 - Upwind elevated levels of PM_{2.5} and PM₁₀ may impact air monitoring stations located downwind.

Illinois Cabinet Air Monitoring Summary Tables

The tables below summarize preliminary air monitoring data collected using DustTrak DRX instruments.

Project Name: Illinois Cabinet RV
Date/Time: October 18, 2024 - 07:39 to 16:37

Weather

Temperature: 40 to 70 °F
Wind Speed: 7 to 15 miles per hour
Wind Direction: South
Conditions: Clear

Downwind Air Monitoring Station (Northwest)							
Instrument	Analyte	Public Health Screening Level ¹	Public Health Screening Level Exceeded?	15-Minute Period Concentration Range	Average of All 15-Minute Periods	8-Hour Period Concentration Range	Average of All 8-Hour Periods
DustTrak (S/N: 8533213308)	PM _{2.5} (mg/m ³)	0.035 mg/m ³	Yes (see comment 2)	0.010 to 0.051	0.030199386	0.030 to 0.030	0.030
	PM ₁₀ (mg/m ³)	0.15 mg/m ³	No	0.019 to 0.069	0.030199386	0.040 to 0.040	0.040

North Air Monitoring Station							
Instrument	Analyte	Public Health Screening Level ¹	Public Health Screening Level Exceeded?	15-Minute Period Concentration Range	Average of All 15-Minute Periods	8-Hour Period Concentration Range	Average of All 8-Hour Periods
DustTrak (S/N: 8533233408)	PM _{2.5} (mg/m ³)	0.035 mg/m ³	Yes (see comment 2)	0.019 to 0.227	0.054981145	0.053 to 0.058	0.056
	PM ₁₀ (mg/m ³)	0.15 mg/m ³	Yes (see comment 2)	0.024 to 0.401	0.067949676	0.067 to 0.072	0.069

East Air Monitoring Station							
Instrument	Analyte	Public Health Screening Level ¹	Public Health Screening Level Exceeded?	15-Minute Period Concentration Range	Average of All 15-Minute Periods	8-Hour Period Concentration Range	Average of All 8-Hour Periods
DustTrak (S/N: 8533233409)	PM _{2.5} (mg/m ³)	0.035 mg/m ³	Yes (see comment 2)	0.011 to 0.046	0.025857752	0.025 to 0.027	0.026
	PM ₁₀ (mg/m ³)	0.15 mg/m ³	No	0.015 to 0.050	0.025857752	0.030 to 0.032	0.031

Notes:

- Air monitoring measurements have been averaged over 15-minute and 8-hour time periods and summarized above.
- Start and stop times for each air monitoring instrument varies. The monitoring period is based on the earliest start time and latest stop time out of all units.
- Air monitoring is not performed during inclement weather conditions/rain and thunderstorms.
- 1 - Screening Levels are based on 24-hour time-weighted averages and were established by EPA's National Ambient Air Quality Standards (NAAQS).
- 2 - The North monitoring station collapsed onto the ground and remained below the breathing level for ~20 minutes, spiking particulate readings. Upwind elevated levels of PM2.5 and PM10 may impact air monitoring stations located downwind.