

**PARTICULATE AIR MONITORING DATA
IOWA FLOODING EVENT 2008 - PARKERSBURG, IOWA**

Air Monitor Location	Description	GPS Coordinates	Monitoring Period	Monitoring Parameter	NAAQS ($\mu\text{g}/\text{m}^3$)	Monitoring Result - TWA ($\mu\text{g}/\text{m}^3$)
June 10, 2008						
WEATHER SUMMARY - Mostly sunny; wind blowing predominantly to the north from 10 to 15 mph						
Stationary Location 1	Debris Pile	42.56867 N latitude 92.77603 W longitude	9 hrs 39 min	PM _{2.5}	35 $\mu\text{g}/\text{m}^3$	0.8 $\mu\text{g}/\text{m}^3$
Stationary Location 2	East side of town - north of Florence Street and Circle Drive	42.57290 N latitude 92.77612 W longitude	9 hrs 32 min	PM _{2.5}	35 $\mu\text{g}/\text{m}^3$	3.2 $\mu\text{g}/\text{m}^3$
Stationary Location 3	Centrally located - south of Parkersburg Middle School	42.57317 N latitude 92.78401 W longitude	9 hrs 20 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	2.6 $\mu\text{g}/\text{m}^3$
Stationary Location 4	West side of town - Intersection (corner) of Hwy 57 and Hwy 14	42.57031 N latitude 92.78940 W longitude	8 hrs 59 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	4.1 $\mu\text{g}/\text{m}^3$
June 11, 2008						
WEATHER SUMMARY - Cloudy; wind to the north at 10 to 20 mph; heavy rains at 1000 hours stopped monitoring session						
Stationary Location 1	Debris Pile	42.56867 N latitude 92.77603 W longitude	2 hrs 44 min	PM _{2.5}	35 $\mu\text{g}/\text{m}^3$	9.6 $\mu\text{g}/\text{m}^3$
Stationary Location 2	East side of town - north of Florence Street and Circle Drive	42.57290 N latitude 92.77612 W longitude	2 hrs 35 min	PM _{2.5}	35 $\mu\text{g}/\text{m}^3$	7.8 $\mu\text{g}/\text{m}^3$
Stationary Location 3	Centrally located - south of Parkersburg Middle School	42.57317 N latitude 92.78401 W longitude	2 hrs 23 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	17 $\mu\text{g}/\text{m}^3$
Stationary Location 4	West side of town - Intersection (corner) of Hwy 57 and Hwy 14	42.57031 N latitude 92.78940 W longitude	2 hrs 18 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	17.6 $\mu\text{g}/\text{m}^3$

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Air Monitor Location	Description	GPS Coordinates	Monitoring Period	Monitoring Parameter	NAAQS ($\mu\text{g}/\text{m}^3$)	Monitoring Result - TWA ($\mu\text{g}/\text{m}^3$)
June 12, 2008						
WEATHER SUMMARY - Rain showers overnight and through morning; wind to the north 5 mph; started monitoring at 1100 hours after showers cleared						
Stationary Location 1	Debris Pile	42.56867 N latitude 92.77603 W longitude	5 hrs 11 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	7.4 $\mu\text{g}/\text{m}^3$
Stationary Location 2	East side of town - north of Florence Street and Circle Drive	42.57290 N latitude 92.77612 W longitude	5 hrs 11 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	2.4 $\mu\text{g}/\text{m}^3$
Stationary Location 3	Centrally located - south of Parkersburg Middle School	42.57317 N latitude 92.78401 W longitude	5 hrs 09 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	3.0 $\mu\text{g}/\text{m}^3$
Stationary Location 4	West side of town - Intersection (corner) of Hwy 57 and Hwy 14	42.57031 N latitude 92.78940 W longitude	5 hrs 09 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	3.5 $\mu\text{g}/\text{m}^3$
June 13, 2008						
WEATHER SUMMARY - Partly cloudy; wind to the northeast at 5 to 10 mph						
Stationary Location 1	Debris Pile	42.56867 N latitude 92.77603 W longitude	3 hrs 00 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	3.2 $\mu\text{g}/\text{m}^3$
Stationary Location 2	East side of town - north of Florence Street and Circle Drive	42.57290 N latitude 92.77612 W longitude	3 hrs 00 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	4.1 $\mu\text{g}/\text{m}^3$
Stationary Location 3	Centrally located - south of Parkersburg Middle School	42.57317 N latitude 92.78401 W longitude	3 hrs 00 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	7.5 $\mu\text{g}/\text{m}^3$
Stationary Location 4	West side of town - Intersection (corner) of Hwy 57 and Hwy 14	42.57031 N latitude 92.78940 W longitude	3 hrs 00 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	2.4 $\mu\text{g}/\text{m}^3$

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Air Monitor Location	Description	GPS Coordinates	Monitoring Period	Monitoring Parameter	NAAQS ($\mu\text{g}/\text{m}^3$)	Monitoring Result - TWA ($\mu\text{g}/\text{m}^3$)
June 16, 2008						
WEATHER SUMMARY - Sunny; wind to the south/southeast at 10 to 20 mph						
Stationary Location 1	Debris Pile	42.56867 N latitude 92.77603 W longitude	4 hrs 45 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	4.9 $\mu\text{g}/\text{m}^3$
Stationary Location 2	East side of town - north of Florence Street and Circle Drive	42.57290 N latitude 92.77612 W longitude	4 hrs 55 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	6.8 $\mu\text{g}/\text{m}^3$
Stationary Location 3	Centrally located - south of Parkersburg Middle School	42.57317 N latitude 92.78401 W longitude	4 hrs 55 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	4.7 $\mu\text{g}/\text{m}^3$
Stationary Location 4	West side of town - Intersection (corner) of Hwy 57 and Hwy 14	42.57031 N latitude 92.78940 W longitude	4 hrs 55 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	5.0 $\mu\text{g}/\text{m}^3$
Rover - Location 5	Southeast side of town - downwind of debris management activities	42.57099 N latitude 92.77638 W longitude	4 hrs 50 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	4.3 $\mu\text{g}/\text{m}^3$
June 17, 2008						
WEATHER SUMMARY - Sunny; wind to the south/southeast at 5 to 15 mph						
Stationary Location 1	Debris Pile	42.56867 N latitude 92.77603 W longitude	8 hrs 58 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	11.6 $\mu\text{g}/\text{m}^3$
Stationary Location 2	East side of town - north of Florence Street and Circle Drive	42.57290 N latitude 92.77612 W longitude	8 hrs 49 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	8.9 $\mu\text{g}/\text{m}^3$
Stationary Location 3	Centrally located - south of Parkersburg Middle School	42.57317 N latitude 92.78401 W longitude	8 hrs 52 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	8.2 $\mu\text{g}/\text{m}^3$
Stationary Location 4	West side of town - Intersection (corner) of Hwy 57 and Hwy 14	42.57031 N latitude 92.78940 W longitude	8 hrs 53 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	12.8 $\mu\text{g}/\text{m}^3$
Rover - Location 5	Southeast side of town - downwind of debris management activities	42.57099 N latitude 92.77638 W longitude	8 hrs 19 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	18.9 $\mu\text{g}/\text{m}^3$

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Air Monitor Location	Description	GPS Coordinates	Monitoring Period	Monitoring Parameter	NAAQS ($\mu\text{g}/\text{m}^3$)	Monitoring Result - TWA ($\mu\text{g}/\text{m}^3$)
June 18, 2008						
WEATHER SUMMARY - Sunny; wind to the south/southeast at 0 to 10 mph with gusts up to 15 mph						
Stationary Location 1	Debris Pile	42.56867 N latitude 92.77603 W longitude	8 hrs 13 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	14.1 $\mu\text{g}/\text{m}^3$
Stationary Location 2	East side of town - north of Florence Street and Circle Drive	42.57290 N latitude 92.77612 W longitude	8 hrs 10 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	11.6 $\mu\text{g}/\text{m}^3$
Stationary Location 3	Centrally located - south of Parkersburg Middle School	42.57317 N latitude 92.78401 W longitude	8 hrs 10 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	10.6 $\mu\text{g}/\text{m}^3$
Stationary Location 4	West side of town - Intersection (corner) of Hwy 57 and Hwy 14	42.57031 N latitude 92.78940 W longitude	8 hrs 5 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	15.3 $\mu\text{g}/\text{m}^3$
Rover - Location 5	Southeast side of town - downwind of debris management activities	42.57099 N latitude 92.77638 W longitude	8 hrs 15 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	28.2 $\mu\text{g}/\text{m}^3$
June 19, 2008						
WEATHER SUMMARY - Sunny; wind to the north/northwest at 0 to 10 mph						
Stationary Location 1	Debris Pile	42.56867 N latitude 92.77603 W longitude	8 hrs 7 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	12.3 $\mu\text{g}/\text{m}^3$
Stationary Location 2	East side of town - north of Florence Street and Circle Drive	42.57290 N latitude 92.77612 W longitude	8 hrs 6 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	11.9 $\mu\text{g}/\text{m}^3$
Stationary Location 3	Centrally located - south of Parkersburg Middle School	42.57317 N latitude 92.78401 W longitude	8 hrs 5 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	11.5 $\mu\text{g}/\text{m}^3$
Stationary Location 4	West side of town - Intersection (corner) of Hwy 57 and Hwy 14	42.57031 N latitude 92.78940 W longitude	8 hrs 8 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	15.4 $\mu\text{g}/\text{m}^3$
Rover - Location 6	NE corner of 4th Ave. & 2nd St. - Downwind of debris removal area	42.57201 N latitude 92.78582 W longitude	8 hrs 3 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	29.4 $\mu\text{g}/\text{m}^3$

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Air Monitor Location	Description	GPS Coordinates	Monitoring Period	Monitoring Parameter	NAAQS ($\mu\text{g}/\text{m}^3$)	Monitoring Result - TWA ($\mu\text{g}/\text{m}^3$)
June 20, 2008						
WEATHER SUMMARY - Sunny; wind to the east/southeast at 5 to 15 mph						
Stationary Location 1	Debris Pile	42.56867 N latitude 92.77603 W longitude	3 hrs 14 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	20.4 $\mu\text{g}/\text{m}^3$
Stationary Location 2	East side of town - north of Florence Street and Circle Drive	42.57290 N latitude 92.77612 W longitude	3 hrs 0 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	20.4 $\mu\text{g}/\text{m}^3$
Stationary Location 3	Centrally located - south of Parkersburg Middle School	42.57317 N latitude 92.78401 W longitude	3 hrs 0 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	19.2 $\mu\text{g}/\text{m}^3$
Stationary Location 4	West side of town - Intersection (corner) of Hwy 57 and Hwy 14	42.57031 N latitude 92.78940 W longitude	2 hrs 56 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	20.0 $\mu\text{g}/\text{m}^3$
Rover - Location 7	NE corner of 4th Ave. & Hilltop Dr. - Downwind of debris removal area	42.57133 N latitude 92.77706 W longitude	2 hrs 50 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	28.2 $\mu\text{g}/\text{m}^3$
June 23, 2008						
WEATHER SUMMARY - Sunny; wind to the south/southwest at 0 to 10 mph						
Stationary Location 1	Debris Pile	42.56867 N latitude 92.77603 W longitude	7 hrs 23 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	4.0 $\mu\text{g}/\text{m}^3$
Stationary Location 2	East side of town - north of Florence Street and Circle Drive	42.57290 N latitude 92.77612 W longitude	Unknown	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	No Data Collected
Stationary Location 3	Centrally located - south of Parkersburg Middle School	42.57317 N latitude 92.78401 W longitude	7 hrs 58 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	1.6 $\mu\text{g}/\text{m}^3$
Stationary Location 4	West side of town - Intersection (corner) of Hwy 57 and Hwy 14	42.57031 N latitude 92.78940 W longitude	7 hrs 52 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	7.3 $\mu\text{g}/\text{m}^3$
Rover - Location 8	SW corner of Dorothy Ave & Conn St. - Downwind of debris removal area	42.56945 N latitude 92.78686 W longitude	7 hrs 28 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	16.4 $\mu\text{g}/\text{m}^3$

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June 24, 2008						
WEATHER SUMMARY - Sunny/mostly cloudy; wind to the north/northeast at 5 to 15 mph						
Stationary Location 1	Debris Pile	42.56867 N latitude 92.77603 W longitude	8 hrs 11 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	8.6 $\mu\text{g}/\text{m}^3$
Stationary Location 2	East side of town - north of Florence Street and Circle Drive	42.57290 N latitude 92.77612 W longitude	Unknown	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	No Data Collected
Stationary Location 3	Centrally located - south of Parkersburg Middle School	42.57317 N latitude 92.78401 W longitude	8 hrs 4 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	8.3 $\mu\text{g}/\text{m}^3$
Stationary Location 4	West side of town - Intersection (corner) of Hwy 57 and Hwy 14	42.57031 N latitude 92.78940 W longitude	7 hrs 50 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	11.3 $\mu\text{g}/\text{m}^3$
Rover - Location 6	NE corner of 4th Ave. & 2nd St. - Downwind of debris removal area	42.57201 N latitude 92.78582 W longitude	6 hrs 51 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	27.6 $\mu\text{g}/\text{m}^3$
June 25, 2008						
WEATHER SUMMARY - Sunny/partly cloudy; wind to the east/northeast at 5 to 15 mph						
Stationary Location 1	Debris Pile	42.56867 N latitude 92.77603 W longitude	7 hrs 34 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	14.9 $\mu\text{g}/\text{m}^3$
Stationary Location 2	East side of town - north of Florence Street and Circle Drive	42.57290 N latitude 92.77612 W longitude	1 hrs 53 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	19.1 $\mu\text{g}/\text{m}^3$
Stationary Location 3	Centrally located - south of Parkersburg Middle School	42.57317 N latitude 92.78401 W longitude	7 hrs 17 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	17.1 $\mu\text{g}/\text{m}^3$
Stationary Location 4	West side of town - Intersection (corner) of Hwy 57 and Hwy 14	42.57031 N latitude 92.78940 W longitude	7 hrs 12 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	31.9 $\mu\text{g}/\text{m}^3$
Rover - Location 6	NE corner of 4th Ave. & 2nd St. - Downwind of debris removal area	42.57201 N latitude 92.78582 W longitude	7 hrs 48 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	61.5 $\mu\text{g}/\text{m}^3$

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Air Monitor Location	Description	GPS Coordinates	Monitoring Period	Monitoring Parameter	NAAQS ($\mu\text{g}/\text{m}^3$)	Monitoring Result - TWA ($\mu\text{g}/\text{m}^3$)
June 26, 2008						
WEATHER SUMMARY - Rain showers in morning; wind to the east/northeast at 10 to 20 mph; started monitoring at 1445 hours after showers cleared						
Stationary Location 1	Debris Pile	42.56867 N latitude 92.77603 W longitude	2 hrs 31 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	3.7 $\mu\text{g}/\text{m}^3$
Stationary Location 2	East side of town - north of Florence Street and Circle Drive	42.57290 N latitude 92.77612 W longitude	2 hrs 31 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	5.6 $\mu\text{g}/\text{m}^3$
Stationary Location 3	Centrally located - south of Parkersburg Middle School	42.57317 N latitude 92.78401 W longitude	2 hrs 31 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	5.1 $\mu\text{g}/\text{m}^3$
Stationary Location 4	West side of town - Intersection (corner) of Hwy 57 and Hwy 14 SE corner of Lincoln St. & 4th Ave. - Downwind of debris removal area	42.57031 N latitude 92.78940 W longitude	2 hrs 33 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	7.5 $\mu\text{g}/\text{m}^3$
Rover - Location 9	4th Ave. - Downwind of debris removal area	42.57182 N latitude 92.78282 W longitude	2 hrs 25 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	9.8 $\mu\text{g}/\text{m}^3$
June 27, 2008						
WEATHER SUMMARY - AM:Cloudy with wind to the north/northwest at 5 to 15 mph; PM:Sunny with wind to the east/northeast at 10 to 20 mph						
Stationary Location 1	Debris Pile	42.56867 N latitude 92.77603 W longitude	8 hrs 21 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	39.0 $\mu\text{g}/\text{m}^3$
Stationary Location 2	East side of town - north of Florence Street and Circle Drive	42.57290 N latitude 92.77612 W longitude	2 hrs 24 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	46.9 $\mu\text{g}/\text{m}^3$
Stationary Location 3	Centrally located - south of Parkersburg Middle School	42.57317 N latitude 92.78401 W longitude	8 hrs 5 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	26.5 $\mu\text{g}/\text{m}^3$
Stationary Location 4	West side of town - Intersection (corner) of Hwy 57 and Hwy 14 SW corner of Dorothy Ave & Conn St. - Downwind of debris removal area	42.57031 N latitude 92.78940 W longitude	8 hrs 33 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	18.1 $\mu\text{g}/\text{m}^3$
Rover - Location 8	SW corner of Dorothy Ave & Conn St. - Downwind of debris removal area	42.56945 N latitude 92.78686 W longitude	5 hrs 0 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	44.4 $\mu\text{g}/\text{m}^3$

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Air Monitor Location	Description	GPS Coordinates	Monitoring Period	Monitoring Parameter	NAAQS ($\mu\text{g}/\text{m}^3$)	Monitoring Result - TWA ($\mu\text{g}/\text{m}^3$)
June 28, 2008						
WEATHER SUMMARY - Sunny/partly cloudy; strong wind to the east at 15 to 25 mph with gusts up to 35 mph; rain showers late afternoon						
Stationary Location 1	Debris Pile	42.56867 N latitude 92.77603 W longitude	6 hrs 30 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	8.6 $\mu\text{g}/\text{m}^3$
Stationary Location 2	East side of town - north of Florence Street and Circle Drive	42.57290 N latitude 92.77612 W longitude	1 hrs 54 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	4.0 $\mu\text{g}/\text{m}^3$
Stationary Location 3	Centrally located - south of Parkersburg Middle School	42.57317 N latitude 92.78401 W longitude	6 hrs 39 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	3.9 $\mu\text{g}/\text{m}^3$
Stationary Location 4	West side of town - Intersection (corner) of Hwy 57 and Hwy 14 SE corner of Lincoln St. & 4th Ave. - Downwind of debris removal area	42.57031 N latitude 92.78940 W longitude	6 hrs 24 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	6.4 $\mu\text{g}/\text{m}^3$
Rover - Location 9	4th Ave. - Downwind of debris removal area	42.57182 N latitude 92.78282 W longitude	6 hrs 39 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	11.6 $\mu\text{g}/\text{m}^3$
June 30, 2008						
WEATHER SUMMARY - Sunny; wind to the south/southeast at 5 to 15 mph						
Stationary Location 1	Debris Pile	42.56867 N latitude 92.77603 W longitude	8 hrs 13 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	9.6 $\mu\text{g}/\text{m}^3$
Stationary Location 2	East side of town - north of Florence Street and Circle Drive	42.57290 N latitude 92.77612 W longitude	1 hrs 55 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	4.2 $\mu\text{g}/\text{m}^3$
Stationary Location 3	Centrally located - south of Parkersburg Middle School	42.57317 N latitude 92.78401 W longitude	8 hrs 27 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	2.9 $\mu\text{g}/\text{m}^3$
Stationary Location 4	West side of town - Intersection (corner) of Hwy 57 and Hwy 14	42.57031 N latitude 92.78940 W longitude	8 hrs 35 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	13.9 $\mu\text{g}/\text{m}^3$
Rover - Location 10	Gravel drive at the south end of Muller Ave. - Downwind of debris removal area	42.56892 N latitude 92.78591 W longitude	6 hrs 14 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	23.0 $\mu\text{g}/\text{m}^3$

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July 1, 2008						
WEATHER SUMMARY - Sunny; wind to the east/northeast at 5 to 15 mph						
Stationary Location 1	Debris Pile	42.56867 N latitude 92.77603 W longitude	8 hrs 18 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	18.6 $\mu\text{g}/\text{m}^3$
Stationary Location 2	East side of town - north of Florence Street and Circle Drive	42.57290 N latitude 92.77612 W longitude	1 hrs 4 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	11.4 $\mu\text{g}/\text{m}^3$
Stationary Location 3	Centrally located - south of Parkersburg Middle School	42.57317 N latitude 92.78401 W longitude	8 hrs 5 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	12.2 $\mu\text{g}/\text{m}^3$
Stationary Location 4	West side of town - Intersection (corner) of Hwy 57 and Hwy 14	42.57031 N latitude 92.78940 W longitude	8 hrs 5 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	7.9 $\mu\text{g}/\text{m}^3$
Rover - Location 5	Southeast side of town - downwind of debris management activities	42.57099 N latitude 92.77638 W longitude	26 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	19.3 $\mu\text{g}/\text{m}^3$
July 2, 2008						
WEATHER SUMMARY - AM:Sunny with wind to the east/northeast at 10 to 20 mph; PM:Mostly Cloudy with wind to the south at 15 to 25 mph; spotty showers late afternoon						
Stationary Location 1	Debris Pile	42.56867 N latitude 92.77603 W longitude	5 hrs 1 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	34.2 $\mu\text{g}/\text{m}^3$
Stationary Location 2	East side of town - north of Florence Street and Circle Drive	42.57290 N latitude 92.77612 W longitude	5 hrs 0 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	34.9 $\mu\text{g}/\text{m}^3$
Stationary Location 3	Centrally located - south of Parkersburg Middle School	42.57317 N latitude 92.78401 W longitude	Not Applicable	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	No Data Collected
Stationary Location 4	West side of town - Intersection (corner) of Hwy 57 and Hwy 14	42.57031 N latitude 92.78940 W longitude	1 hrs 40 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	36.6 $\mu\text{g}/\text{m}^3$
Rover - Location 5	Southeast side of town - downwind of debris management activities	42.57099 N latitude 92.77638 W longitude	5 hrs 0 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	54.7 $\mu\text{g}/\text{m}^3$

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Air Monitor Location	Description	GPS Coordinates	Monitoring Period	Monitoring Parameter	NAAQS ($\mu\text{g}/\text{m}^3$)	Monitoring Result - TWA ($\mu\text{g}/\text{m}^3$)
July 3, 2008						
WEATHER SUMMARY - Sunny with wind to the south/southwest at 5 to 15 mph						
Stationary Location 1	Debris Pile	42.56867 N latitude 92.77603 W longitude	12 hrs 30 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	18.9 $\mu\text{g}/\text{m}^3$
Stationary Location 2	East side of town - north of Florence Street and Circle Drive	42.57290 N latitude 92.77612 W longitude	56 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	27.8 $\mu\text{g}/\text{m}^3$
Stationary Location 3	Centrally located - south of Parkersburg Middle School	42.57317 N latitude 92.78401 W longitude	Not Applicable	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	No Data Collected
Stationary Location 4	West side of town - Intersection (corner) of Hwy 57 and Hwy 14 Gravel drive at the south end of	42.57031 N latitude 92.78940 W longitude	11 hrs 46 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	20.2 $\mu\text{g}/\text{m}^3$
Rover - Location 10	Muller Ave. - Downwind of debris removal area	42.56892 N latitude 92.78591 W longitude	5 hrs 58 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	37.1 $\mu\text{g}/\text{m}^3$
July 5, 2008						
WEATHER SUMMARY - Sunny with wind to the north at 10 to 20 mph						
Stationary Location 1	Debris Pile	42.56867 N latitude 92.77603 W longitude	1 hrs 35 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	29.7 $\mu\text{g}/\text{m}^3$
Stationary Location 2	East side of town - north of Florence Street and Circle Drive	42.57290 N latitude 92.77612 W longitude	7 hrs 35 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	10.8 $\mu\text{g}/\text{m}^3$
Stationary Location 3	Centrally located - south of Parkersburg Middle School	42.57317 N latitude 92.78401 W longitude	7 hrs 32 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	10.2 $\mu\text{g}/\text{m}^3$
Stationary Location 4	West side of town - Intersection (corner) of Hwy 57 and Hwy 14	42.57031 N latitude 92.78940 W longitude	Not Applicable	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	No Data Collected
Rover - Location 6	NE corner of 4th Ave. & 2nd St. - Downwind of debris removal area	42.57201 N latitude 92.78582 W longitude	7 hrs 32 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	19.6 $\mu\text{g}/\text{m}^3$

**PARTICULATE AIR MONITORING DATA
IOWA FLOODING EVENT 2008 - PARKERSBURG, IOWA**

Air Monitor Location	Description	GPS Coordinates	Monitoring Period	Monitoring Parameter	NAAQS ($\mu\text{g}/\text{m}^3$)	Monitoring Result - TWA ($\mu\text{g}/\text{m}^3$)
July 7, 2008						
WEATHER SUMMARY - Sunny with wind to the north/northeast at 10 to 20 mph; afternoon showers shortened monitoring period						
Stationary Location 1	Debris Pile	42.56867 N latitude 92.77603 W longitude	Not Applicable	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	No Data Collected
Stationary Location 2	East side of town - north of Florence Street and Circle Drive	42.57290 N latitude 92.77612 W longitude	5 hrs 45 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	39.5 $\mu\text{g}/\text{m}^3$
Stationary Location 3	Centrally located - south of Parkersburg Middle School	42.57317 N latitude 92.78401 W longitude	5 hrs 15 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	23.6 $\mu\text{g}/\text{m}^3$
Stationary Location 4	West side of town - Intersection (corner) of Hwy 57 and Hwy 14	42.57031 N latitude 92.78940 W longitude	1 hrs 31 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	23.8 $\mu\text{g}/\text{m}^3$
Rover - Location 11	West side of High School in Parking Lot - Downwind of debris removal area	42.57267 N latitude 92.78006 W longitude	5 hrs 24 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	18.5 $\mu\text{g}/\text{m}^3$
July 8, 2008						
WEATHER SUMMARY - Cloudy with wind to the east/northeast at 15 to 25 mph; heavy rain at 1400 hours stopped sampling session						
Stationary Location 1	Debris Pile	42.56867 N latitude 92.77603 W longitude	5 hrs 14 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	12.1 $\mu\text{g}/\text{m}^3$
Stationary Location 2	East side of town - north of Florence Street and Circle Drive	42.57290 N latitude 92.77612 W longitude	1 hrs 40 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	11.3 $\mu\text{g}/\text{m}^3$
Stationary Location 3	Centrally located - south of Parkersburg Middle School	42.57317 N latitude 92.78401 W longitude	5 hrs 38 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	18.6 $\mu\text{g}/\text{m}^3$
Stationary Location 4	West side of town - Intersection (corner) of Hwy 57 and Hwy 14	42.57031 N latitude 92.78940 W longitude	Not Applicable	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	No Data Collected
Rover - Location 12	SE corner of Watson Way and Newell Ave-Downwind of debris removal area	42.57330 N latitude 92.77103 W longitude	5 hrs 5 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	19.2 $\mu\text{g}/\text{m}^3$

**PARTICULATE AIR MONITORING DATA
IOWA FLOODING EVENT 2008 - PARKERSBURG, IOWA**

Air Monitor Location	Description	GPS Coordinates	Monitoring Period	Monitoring Parameter	NAAQS ($\mu\text{g}/\text{m}^3$)	Monitoring Result - TWA ($\mu\text{g}/\text{m}^3$)
July 9, 2008						
WEATHER SUMMARY - Sunny with wind to the east/northeast at 0 to 5 mph						
Stationary Location 1	Debris Pile	42.56867 N latitude 92.77603 W longitude	7 hrs 35 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	3.9 $\mu\text{g}/\text{m}^3$
Stationary Location 2	East side of town - north of Florence Street and Circle Drive	42.57290 N latitude 92.77612 W longitude	8 hrs 10 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	6.9 $\mu\text{g}/\text{m}^3$
Stationary Location 3	Centrally located - south of Parkersburg Middle School	42.57317 N latitude 92.78401 W longitude	8 hrs 9 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	10.1 $\mu\text{g}/\text{m}^3$
Stationary Location 4	West side of town - Intersection (corner) of Hwy 57 and Hwy 14	42.57031 N latitude 92.78940 W longitude	1 hrs 45 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	5.0 $\mu\text{g}/\text{m}^3$
Rover - Location 11	West side of High School in Parking Lot - Downwind of debris removal area	42.57267 N latitude 92.78006 W longitude	7 hrs 49 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	11.1 $\mu\text{g}/\text{m}^3$
July 10, 2008						
WEATHER SUMMARY - Cloudy with wind to the north at 5 to 15 mph; wind stronger in the afternoon to the north/northeast between 15 to 20 mph						
Stationary Location 1	Debris Pile	42.56867 N latitude 92.77603 W longitude	7 hrs 49 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	27.9 $\mu\text{g}/\text{m}^3$
Stationary Location 2	East side of town - north of Florence Street and Circle Drive	42.57290 N latitude 92.77612 W longitude	1 hrs 51 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	32.8 $\mu\text{g}/\text{m}^3$
Stationary Location 3	Centrally located - south of Parkersburg Middle School	42.57317 N latitude 92.78401 W longitude	7 hrs 47 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	29.1 $\mu\text{g}/\text{m}^3$
Stationary Location 4	West side of town - Intersection (corner) of Hwy 57 and Hwy 14	42.57031 N latitude 92.78940 W longitude	7 hrs 50 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	42.0 $\mu\text{g}/\text{m}^3$
Rover - Location 11	West side of High School in Parking Lot - Downwind of debris removal area	42.57267 N latitude 92.78006 W longitude	7 hrs 47 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	32.8 $\mu\text{g}/\text{m}^3$

**PARTICULATE AIR MONITORING DATA
IOWA FLOODING EVENT 2008 - PARKERSBURG, IOWA**

Air Monitor Location	Description	GPS Coordinates	Monitoring Period	Monitoring Parameter	NAAQS ($\mu\text{g}/\text{m}^3$)	Monitoring Result - TWA ($\mu\text{g}/\text{m}^3$)
July 11, 2008						
WEATHER SUMMARY - Sunny with wind to the north/northeast at 5 to 15 mph with gusts up to 25 mph						
Stationary Location 1	Debris Pile	42.56867 N latitude 92.77603 W longitude	7 hrs 50 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	15.8 $\mu\text{g}/\text{m}^3$
Stationary Location 2	East side of town - north of Florence Street and Circle Drive	42.57290 N latitude 92.77612 W longitude	7 hrs 53 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	29.8 $\mu\text{g}/\text{m}^3$
Stationary Location 3	Centrally located - south of Parkersburg Middle School	42.57317 N latitude 92.78401 W longitude	7 hrs 54 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	41.6 $\mu\text{g}/\text{m}^3$
Stationary Location 4	West side of town - Intersection (corner) of Hwy 57 and Hwy 14	42.57031 N latitude 92.78940 W longitude	7 hrs 15 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	17.0 $\mu\text{g}/\text{m}^3$
Rover - Location 13	South of intersection of F Ave. and Industrial St. - Downwind of debris piles	42.56841 N latitude 92.77299 W longitude	7 hrs 31 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	12.8 $\mu\text{g}/\text{m}^3$
July 12, 2008						
WEATHER SUMMARY - Sunny with wind to the east/southeast at 5 to 15 mph; morning rain showers shortened monitoring period						
Stationary Location 1	Debris Pile	42.56867 N latitude 92.77603 W longitude	6 hrs 20 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	5.8 $\mu\text{g}/\text{m}^3$
Stationary Location 2	East side of town - north of Florence Street and Circle Drive	42.57290 N latitude 92.77612 W longitude	6 hrs 30 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	1.9 $\mu\text{g}/\text{m}^3$
Stationary Location 3	Centrally located - south of Parkersburg Middle School	42.57317 N latitude 92.78401 W longitude	6 hrs 13 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	7.6 $\mu\text{g}/\text{m}^3$
Stationary Location 4	West side of town - Intersection (corner) of Hwy 57 and Hwy 14	42.57031 N latitude 92.78940 W longitude	6 hrs 6 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	1.2 $\mu\text{g}/\text{m}^3$
Rover - Location 5	Southeast side of town - downwind of debris management activities	42.57099 N latitude 92.77638 W longitude	6 hrs 25 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	3.9 $\mu\text{g}/\text{m}^3$

**PARTICULATE AIR MONITORING DATA
IOWA FLOODING EVENT 2008 - PARKERSBURG, IOWA**

Air Monitor Location	Description	GPS Coordinates	Monitoring Period	Monitoring Parameter	NAAQS ($\mu\text{g}/\text{m}^3$)	Monitoring Result - TWA ($\mu\text{g}/\text{m}^3$)
July 14, 2008						
WEATHER SUMMARY - Sunny with light wind to the southeast at 0 to 10 mph						
Stationary Location 1	Debris Pile	42.56867 N latitude 92.77603 W longitude	8 hrs 13 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	4.2 $\mu\text{g}/\text{m}^3$
Stationary Location 2	East side of town - north of Florence Street and Circle Drive	42.57290 N latitude 92.77612 W longitude	8 hrs 24 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	18.6 $\mu\text{g}/\text{m}^3$
Stationary Location 3	Centrally located - south of Parkersburg Middle School	42.57317 N latitude 92.78401 W longitude	8 hrs 25 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	10.4 $\mu\text{g}/\text{m}^3$
Stationary Location 4	West side of town - Intersection (corner) of Hwy 57 and Hwy 14	42.57031 N latitude 92.78940 W longitude	8 hrs 20 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	6.3 $\mu\text{g}/\text{m}^3$
Rover - Location 14	SE edge of debris pile along corn field near debris management activities	42.56620 N latitude 92.77402 W longitude	8 hrs 5 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	17.1 $\mu\text{g}/\text{m}^3$
July 15, 2008						
WEATHER SUMMARY - Sunny with wind to the northeast at 10 to 20 mph						
Stationary Location 1	Debris Pile	42.56867 N latitude 92.77603 W longitude	8 hrs 2 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	12.6 $\mu\text{g}/\text{m}^3$
Stationary Location 2	East side of town - north of Florence Street and Circle Drive	42.57290 N latitude 92.77612 W longitude	8 hrs 1 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	8.8 $\mu\text{g}/\text{m}^3$
Stationary Location 3	Centrally located - south of Parkersburg Middle School	42.57317 N latitude 92.78401 W longitude	8 hrs 23 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	29.1 $\mu\text{g}/\text{m}^3$
Stationary Location 4	West side of town - Intersection (corner) of Hwy 57 and Hwy 14	42.57031 N latitude 92.78940 W longitude	8 hrs 2 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	13.2 $\mu\text{g}/\text{m}^3$
Rover - Location 13	South of intersection of F Ave. and Industrial St. - Downwind of debris piles	42.56841 N latitude 92.77299 W longitude	8 hrs 18 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	23.7 $\mu\text{g}/\text{m}^3$

**PARTICULATE AIR MONITORING DATA
IOWA FLOODING EVENT 2008 - PARKERSBURG, IOWA**

Air Monitor Location	Description	GPS Coordinates	Monitoring Period	Monitoring Parameter	NAAQS ($\mu\text{g}/\text{m}^3$)	Monitoring Result - TWA ($\mu\text{g}/\text{m}^3$)
July 16, 2008						
WEATHER SUMMARY - Sunny with wind to the north/northeast at 10 to 20 mph						
Stationary Location 1	Debris Pile	42.56867 N latitude 92.77603 W longitude	8 hrs 29 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	19.1 $\mu\text{g}/\text{m}^3$
Stationary Location 2	East side of town - north of Florence Street and Circle Drive	42.57290 N latitude 92.77612 W longitude	8 hrs 31 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	21.4 $\mu\text{g}/\text{m}^3$
Stationary Location 3	Centrally located - south of Parkersburg Middle School	42.57317 N latitude 92.78401 W longitude	8 hrs 29 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	34.7 $\mu\text{g}/\text{m}^3$
Stationary Location 4	West side of town - Intersection (corner) of Hwy 57 and Hwy 14	42.57031 N latitude 92.78940 W longitude	8 hrs 31 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	23.5 $\mu\text{g}/\text{m}^3$
Rover - Location 13	South of intersection of F Ave. and Industrial St. - Downwind of debris piles	42.56841 N latitude 92.77299 W longitude	8 hrs 28 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	28.6 $\mu\text{g}/\text{m}^3$
July 17, 2008						
WEATHER SUMMARY - Sunny with wind to the northeast at 10 to 20 mph; thunderstorms at 1500 hours ended monitoring session						
Stationary Location 1	Debris Pile	42.56867 N latitude 92.77603 W longitude	6 hrs 24 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	24.8 $\mu\text{g}/\text{m}^3$
Stationary Location 2	East side of town - north of Florence Street and Circle Drive	42.57290 N latitude 92.77612 W longitude	6 hrs 30 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	27.5 $\mu\text{g}/\text{m}^3$
Stationary Location 3	Centrally located - south of Parkersburg Middle School	42.57317 N latitude 92.78401 W longitude	6 hrs 30 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	41.5 $\mu\text{g}/\text{m}^3$
Stationary Location 4	West side of town - Intersection (corner) of Hwy 57 and Hwy 14	42.57031 N latitude 92.78940 W longitude	6 hrs 27 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	29.7 $\mu\text{g}/\text{m}^3$
Rover - Location 13	South of intersection of F Ave. and Industrial St. - Downwind of debris piles	42.56841 N latitude 92.77299 W longitude	6 hrs 17 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	51.2 $\mu\text{g}/\text{m}^3$

**PARTICULATE AIR MONITORING DATA
IOWA FLOODING EVENT 2008 - PARKERSBURG, IOWA**

Air Monitor Location	Description	GPS Coordinates	Monitoring Period	Monitoring Parameter	NAAQS ($\mu\text{g}/\text{m}^3$)	Monitoring Result - TWA ($\mu\text{g}/\text{m}^3$)
July 18, 2008						
WEATHER SUMMARY - Mostly cloudy with light wind to the south/southeast at 0 to 10 mph; heavy rain in afternoon ended monitoring session						
Stationary Location 1	Debris Pile	42.56867 N latitude 92.77603 W longitude	6 hrs 40 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	11.9 $\mu\text{g}/\text{m}^3$
Stationary Location 2	East side of town - north of Florence Street and Circle Drive	42.57290 N latitude 92.77612 W longitude	7 hrs 16 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	12.1 $\mu\text{g}/\text{m}^3$
Stationary Location 3	Centrally located - south of Parkersburg Middle School	42.57317 N latitude 92.78401 W longitude	6 hrs 53 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	41.6 $\mu\text{g}/\text{m}^3$
Stationary Location 4	West side of town - Intersection (corner) of Hwy 57 and Hwy 14	42.57031 N latitude 92.78940 W longitude	6 hrs 45 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	23.7 $\mu\text{g}/\text{m}^3$
Rover - Location 15	SW corner of Conn St. and Pleasant Dr.- Downwind of debris removal activities	42.56939 N latitude 92.77972 W longitude	6 hrs 25 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	12.4 $\mu\text{g}/\text{m}^3$

**PARTICULATE AIR MONITORING DATA
IOWA FLOODING EVENT 2008 - PARKERSBURG, IOWA**

Air Monitor Location	Description	GPS Coordinates	Monitoring Period	Monitoring Parameter	NAAQS ($\mu\text{g}/\text{m}^3$)	Monitoring Result - TWA ($\mu\text{g}/\text{m}^3$)
July 19, 2008						
WEATHER SUMMARY - Sunny with light wind to the east/northeast 0 to 10 mph						
SITE ACTIVITIES - Shortened day due to no hauling or removal of debris by contractor						
Stationary Location 1	Debris Pile	42.56867 N latitude 92.77603 W longitude	5 hrs 43 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	44.3 $\mu\text{g}/\text{m}^3$
Stationary Location 2	East side of town - north of Florence Street and Circle Drive	42.57290 N latitude 92.77612 W longitude	5 hrs 49 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	5.2 $\mu\text{g}/\text{m}^3$
Stationary Location 3	Centrally located - south of Parkersburg Middle School	42.57317 N latitude 92.78401 W longitude	5 hrs 48 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	68.4 $\mu\text{g}/\text{m}^3$
Stationary Location 4	West side of town - Intersection (corner) of Hwy 57 and Hwy 14	42.57031 N latitude 92.78940 W longitude	5 hrs 46 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	49.1 $\mu\text{g}/\text{m}^3$
Rover - Location 11	West side of High School in Parking Lot	42.57267 N latitude 92.78006 W longitude	5 hrs 40 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	36.1 $\mu\text{g}/\text{m}^3$
July 20, 2008						
WEATHER SUMMARY - 07/20/08 (Sunday-No work day)						
No Air Monitoring for the Parkersburg area for this day						
July 21, 2008						
WEATHER SUMMARY - AM:Sunny with light wind to the east at 5 mph; PM:Sunny with light wind to the south/southwest at 5 mph						
Stationary Location 1	Debris Pile	42.56867 N latitude 92.77603 W longitude	8 hrs 13 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	11.3 $\mu\text{g}/\text{m}^3$
Stationary Location 2	East side of town - north of Florence Street and Circle Drive	42.57290 N latitude 92.77612 W longitude	8 hrs 4 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	3.6 $\mu\text{g}/\text{m}^3$
Stationary Location 3	Centrally located - south of Parkersburg Middle School	42.57317 N latitude 92.78401 W longitude	8 hrs 21 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	6.2 $\mu\text{g}/\text{m}^3$
Stationary Location 4	West side of town - Intersection (corner) of Hwy 57 and Hwy 14	42.57031 N latitude 92.78940 W longitude	8 hrs 16 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	6.8 $\mu\text{g}/\text{m}^3$
Rover - Location 5	Southeast side of town - downwind of debris management activities	42.57099 N latitude 92.77638 W longitude	8 hrs 15 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	7.2 $\mu\text{g}/\text{m}^3$

**PARTICULATE AIR MONITORING DATA
IOWA FLOODING EVENT 2008 - PARKERSBURG, IOWA**

Air Monitor Location	Description	GPS Coordinates	Monitoring Period	Monitoring Parameter	NAAQS ($\mu\text{g}/\text{m}^3$)	Monitoring Result - TWA ($\mu\text{g}/\text{m}^3$)
July 22, 2008						
WEATHER SUMMARY - Sunny with wind to the south between 0 - 10 mph						
Rover - Location 17	Near center of debris piles downwind of debris management activities	42.56652 N latitude 92.77505 W longitude	7 hrs 43 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	49.5 $\mu\text{g}/\text{m}^3$
Rover - Location 16	SE edge of debris piles downwind of debris management activities	42.56581 N latitude 92.77415 W longitude	7 hrs 38 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	17.1 $\mu\text{g}/\text{m}^3$
Rover - Location 18	SE corner of Commerce Ave. & Industrial St. near entrance to debris piles	42.56839 N latitude 92.77475 W longitude	6 hrs 50 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	148.4 $\mu\text{g}/\text{m}^3$

**PARTICULATE AIR MONITORING DATA
IOWA FLOODING EVENT 2008 - PARKERSBURG, IOWA**

Air Monitor Location	Description	GPS Coordinates	Monitoring Period	Monitoring Parameter	NAAQS ($\mu\text{g}/\text{m}^3$)	Monitoring Result - TWA ($\mu\text{g}/\text{m}^3$)
July 23, 2008						
WEATHER SUMMARY - Sunny with wind to the west/northwest at 5 to 15 mph						
Rover - Location 19	Between Commerce Ave. & F Ave. along the south side of Industrial Street	42.56841 N latitude 92.77348 W longitude	8 hrs 17 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	11.6 $\mu\text{g}/\text{m}^3$
Rover - Location 20	Northern section of debris piles downwind of debris management activities	42.56705 N latitude 92.77494 W longitude	8 hrs 13 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	65.7 $\mu\text{g}/\text{m}^3$
Rover - Location 21	Near center of debris piles downwind of debris management activities	42.56654 N latitude 92.77464 W longitude	8 hrs 8 min	PM ₁₀	150 $\mu\text{g}/\text{m}^3$	46.8 $\mu\text{g}/\text{m}^3$

Notes: DataRAM instrument #1508 quit working mid-day, no data collected on 6/23/08 at Stationary Location 2

DataRAM instrument #1508 quit working mid-day, no data collected on 6/24/08 at Stationary Location 2

Limited data collected since 6/25/08 at Stationary Location 2 due to equipment malfunction

Limited data collected on 7/1/08 at Rover Location 5 due to equipment malfunction

DataRAM instrument not working properly, no data collected on 7/2/08 and 7/3/08 at Stationary Location 3

DataRAM instrument not working properly, no data collected on 7/5/08 at Stationary Location 4

DataRAM instrument not working properly, no data collected on 7/7/08 at Stationary Location 1

DataRAM instrument not working properly, no data collected on 7/8/08 at Stationary Location 4

min Minutes

mph Miles per hour

NAAQS National Ambient Air Quality short-term (24-hour) Standard

N North

PM_{2.5} Particulate matter that is 2.5 microns or less in size

PM₁₀ Particulate matter that is 10 microns or less in size

TWA Time-weighted average

$\mu\text{g}/\text{m}^3$ Micrograms per cubic meter

W West