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October 16, 2014

Mr. Roberto Puga, P.G., Trustee
ASARCO Texas Custodial Trust
c/o Project Navigator, Ltd.
One Pointe Drive, Suite 320
Brea, CA 92821

Subject: September 2014 Dust Monitoring and Landfill Air Monitoring Summary

Dear Mr. Puga:

Malcolm Pirnie, Inc. (Malcolm Pirnie) performed dust monitoring activities at the Former ASARCO Smelter site in El Paso, Texas during the month of September 2014. When activities during the month of September with the potential to generate dust were conducted on site, dust data was collected from monitoring locations near the site fence line, around the arroyo and Category I landfill and near La Calavera. Activities on the east property have resumed and the three dust monitors (MP-11, MP-12 and MP-13) have been re-positioned on the east property for the month of September.

The following attachments are included with this letter:

- Attachment A: Routine Dust Monitoring Figure
- Attachment B: Wind Rose Plot
- Attachment C: Tables
- Attachment D: Dust Concentration Graphs

Dust monitor locations are shown in Attachment A, Figure 1. An onsite meteorological station was used to assess wind speed and direction. A Wind Rose Plot summarizing the wind data for the month is provided in Attachment B. Dust Concentration graphs for the calendar year are provided in Attachment D.

DUST MONITORING ACTIVITY

Dust monitoring activities were conducted in accordance with the perimeter dust monitoring plan, with the following exceptions.

At the end of the previous month the MP-4 (La Calavera location) was replaced with the MP-6 (North location) while the MP-4 monitor was sent to the manufacturer for repair and calibration. The MP-6 monitor remained in the La Calavera location through the month of September. On September 4th the MP-6 monitor and MP-3 (Arroyo North location) monitors reported zero errors. They were cleaned and functional by September 8th. On September 17th due to flooding on the east property, the MP-11 (EBS E location) and MP-12 (EBS N location) were demobilized at the end of the workday and were not returned to their locations until September 23rd. The MP-13 (EBS S location) monitor reported an error on September 20th. It was cleaned and fully functional on September 22nd. Accordingly, as presented in Attachment C, Table 2 readings for the MP-4 (Calavera), MP-6 (North), MP-11 through MP-13 (east property monitors) are represented by 'ND' for 'not deployed' for the dates the monitors were not functioning properly.

ROUTINE DUST MONITORING DATA RESULTS & SUMMARY

A summary of the September elevated dust data is provided in Attachment C, Table 1, and the September daily average dust concentration data is provided in Attachment C, Table 2. Days where no construction activities were present are colored grey in Attachment C, Table 2. Also provided in Attachment C is the rolling 12-month dust observation summaries organized by location.

Daily average dust concentrations were at or below the site-specific sentinel value of 43 $\mu g/m^3$ at all dust monitoring locations during the month of September with no exceptions.

The real time dust concentrations will continue to be monitored during work activities.

Very truly yours,

MALCOLM PIRNIE, INC.

Michael R Berry, P.E.
Principal Mechanical Engineer

Project 6835001
Attachments
cc: Former ASARCO Smelter Project Team

Attachment A

Figures

MP-11 EBS E (Formerly EBS N)

MP-12 EBS N (Formerly EBS S)

MP-13 EBS S (Formerly EBS E)

South

East

North East

Arroyo South

La Calavera

Arroyo North

West

North

North West

Arroyo West

10

85

Legend

- Dust Monitoring Locations (Continuous)
- Meteorological Station
- Texas Custodial Trust Property Boundary

N

0 250 500 1,000 Feet

SCALE 1"=500'

Map Document: (S:\GIS_Resources\Standards_Guidelines\MapTemplates\GIS_TEMPLATES_2005\11x17_Landscape.mxd)
7/19/2005 -- 5:27:24 PM

MALCOLM PIRNIE

401 East Main St.
Suite 401
El Paso, TX 79901

Texas Custodial Trust
El Paso Smelter Site
Air Monitoring Plan

AIR MONITORING NETWORK

SEPTEMBER 2014

FIGURE 1

Attachment B

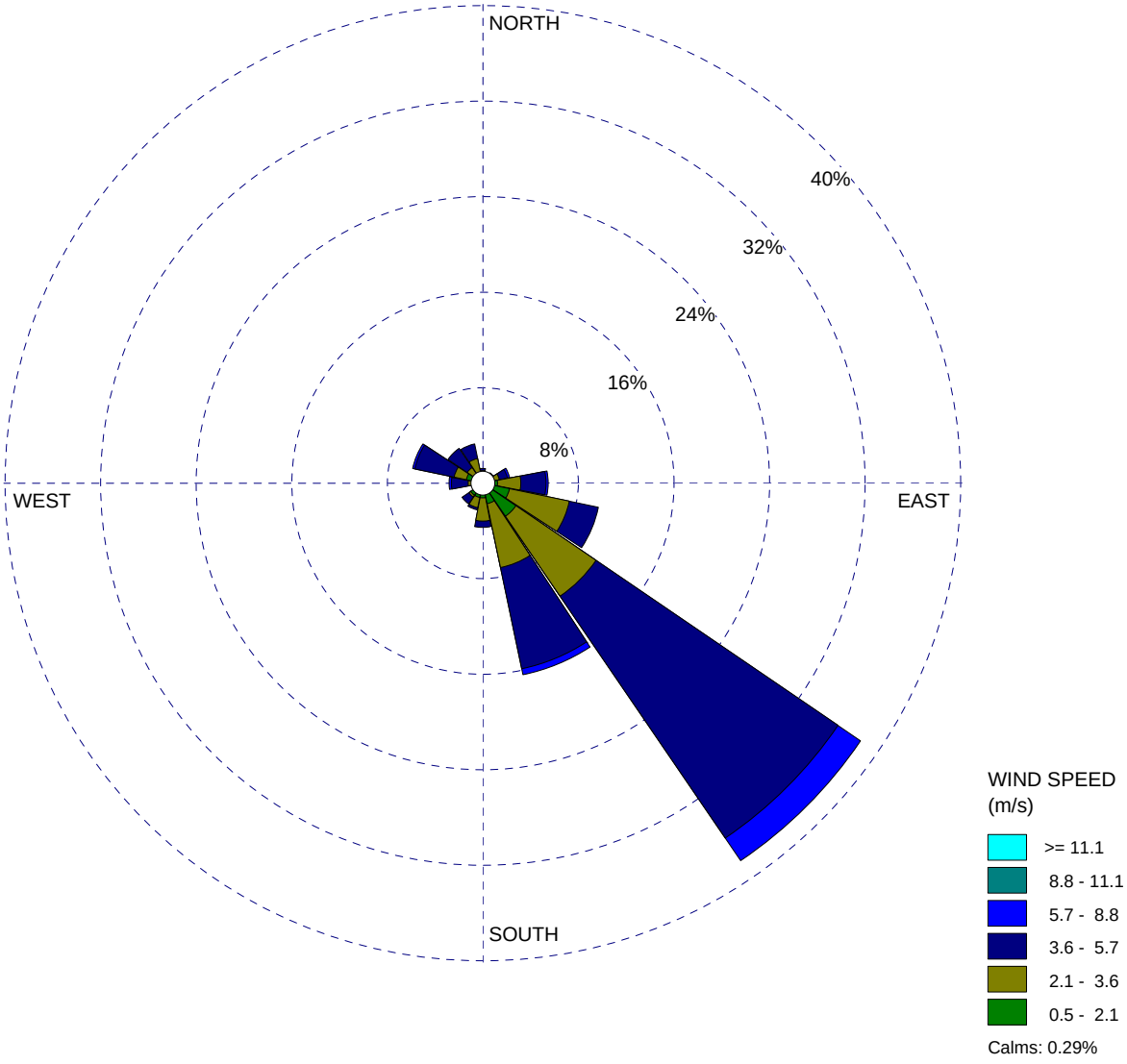
Wind Rose Plots

WIND ROSE PLOT:

Former ASARCO El Paso Smelter
October 2014 Monthly Dust Monitoring Wind Rose Plot

DISPLAY:

Wind Speed
Direction (blowing from)



COMMENTS: NOTE: Wind data was obtained from onsite meteorological station.	DATA PERIOD: **Start Date: 9/1/2014 - 00:00** **End Date: 9/30/2014 - 23:00**	COMPANY NAME: **ARCADIS-US INC. (DBA MALCOLM PIRNIE)**	
		MODELER: **Karina E Kenigsberg**	
	CALM WINDS: **0.29%**	TOTAL COUNT: **568 hrs.**	
	AVG. WIND SPEED: **3.54 m/s**	DATE: **10/9/2014**	PROJECT NO.: **06835001.2014**

Attachment C

Tables

TABLE 1

September Elevated Dust Monitor Data Summary

Texas Custodial Trust
Former Asarco Smelter
El Paso, Texas

Except as noted below, daily average dust readings were below the site-specific internal sentinel value of 43 µg/m^3.

Date	Location	Maximum Average Reading (µg/m^3)	Comments	Action
N/A	N/A	N/A	For the month of September there were no exceedances. All monitoring days in September were at or below the site-specific sentinel value of 43 µg/m^3.	Dust suppression was implemented during working hours to manage onsite dust generation.

TABLE 2

September Daily Average Dust Monitoring Data Summary

Texas Custodial Trust
Former Asarco Smelter
El Paso, Texas

Week ending September 6th						
Date	Monday, September 1, 2014	Tuesday, September 2, 2014	Wednesday, September 3, 2014	Thursday, September 4, 2014	Friday, September 5, 2014	Saturday, September 6, 2014
Location	Average Reading ($\mu g/m^3$)	Average Reading ($\mu g/m^3$)	Average Reading ($\mu g/m^3$)	Average Reading ($\mu g/m^3$)	Average Reading ($\mu g/m^3$)	Average Reading ($\mu g/m^3$)
Arroyo West		14	17	12	8	5
Arroyo South		7	8	4	3	2
Arroyo North		11	13	7	7	4
La Calavera		ND	ND	8	8	4
Northeast		13	18	15	8	4
North		13	12	ND	ND	ND
Northwest		12	15	7	8	4
East		14	18	9	8	5
South		14	16	8	6	4
West		14	19	9	8	5
EBS N		ND	ND	7	7	6
EBS S		ND	ND	12	10	9
EBS E		ND	ND	10	11	8
Week ending September 13th						
Date	Monday, September 8, 2014	Tuesday, September 9, 2014	Wednesday, September 10, 2014	Thursday, September 11, 2014	Friday, September 12, 2014	Saturday, September 13, 2014
Location	Average Reading ($\mu g/m^3$)	Average Reading ($\mu g/m^3$)	Average Reading ($\mu g/m^3$)	Average Reading ($\mu g/m^3$)	Average Reading ($\mu g/m^3$)	Average Reading ($\mu g/m^3$)
Arroyo West	13	3	7	13	12	2
Arroyo South	4	2	4	5	5	2
Arroyo North	10	5	7	9	7	1
La Calavera	11	6	7	10	8	2
Northeast	13	5	7	11	8	2
North	ND	ND	ND	ND	ND	ND
Northwest	13	6	7	11	8	2
East	13	5	8	12	9	3
South	11	5	6	10	7	2
West	13	6	8	13	8	2
EBS E	14	6	7	8	6	2
EBS N	17	7	9	7	5	3
EBS S	22	12	15	12	10	5
Week ending September 20th						
Date	Monday, September 15, 2014	Tuesday, September 16, 2014	Wednesday, September 17, 2014	Thursday, September 18, 2014	Friday, September 19, 2014	Saturday, September 20, 2014
Location	Average Reading ($\mu g/m^3$)	Average Reading ($\mu g/m^3$)	Average Reading ($\mu g/m^3$)	Average Reading ($\mu g/m^3$)	Average Reading ($\mu g/m^3$)	Average Reading ($\mu g/m^3$)
Arroyo West	5	11	26	8	14	13
Arroyo South	2	6	8	4	6	5
Arroyo North	4	8	19	8	9	10
La Calavera	5	10	15	9	12	10
Northeast	6	11	18	7	12	13
North	ND	ND	ND	ND	ND	ND
Northwest	5	11	17	10	11	12
East	5	11	18	8	10	14
South	5	8	13	6	10	11
West	5	12	18	8	12	16
EBS E	7	8	9	ND	ND	ND
EBS N	7	14	25	ND	ND	ND
EBS S	16	19	22	9	17	ND
Week ending September 27th						
Date	Monday, September 22, 2014	Tuesday, September 23, 2014	Wednesday, September 24, 2014	Thursday, September 25, 2014	Friday, September 26, 2014	Saturday, September 27, 2014
Location	Average Reading ($\mu g/m^3$)	Average Reading ($\mu g/m^3$)	Average Reading ($\mu g/m^3$)	Average Reading ($\mu g/m^3$)	Average Reading ($\mu g/m^3$)	Average Reading ($\mu g/m^3$)
Arroyo West	14	32	43	14	23	19
Arroyo South	3	ND	12	5	9	7
Arroyo North	11	25	22	10	22	19
La Calavera	12	25	24	11	19	15
Northeast	14	31	27	12	22	17
North	ND	ND	ND	ND	15	13
Northwest	14	31	26	12	21	17
East	14	31	28	13	22	18
South	12	25	22	11	17	15
West	15	16	30	13	23	19
EBS E	ND	27	23	11	21	19
EBS N	ND	33	35	14	24	22
EBS S	9	ND	31	14	21	20
Week ending October 4th						
Date	Monday, September 29, 2014	Tuesday, September 30, 2014	Wednesday, October 1, 2014	Thursday, October 2, 2014	Friday, October 3, 2014	Saturday, October 4, 2014
Location	Average Reading ($\mu g/m^3$)	Average Reading ($\mu g/m^3$)	Average Reading ($\mu g/m^3$)	Average Reading ($\mu g/m^3$)	Average Reading ($\mu g/m^3$)	Average Reading ($\mu g/m^3$)
Arroyo West	16	10				
Arroyo South	6	4				
Arroyo North	12	7				
La Calavera	12	8				
Northeast	15	8				
North	12	7				
Northwest	14	8				
East	16	9				
South	15	7				
West	17	9				
EBS E	16	10				
EBS N	22	15				
EBS S	29	18				

NOTES:

1. Readings indicate PM_{10} dust based on direct read monitoring from TSI DustTrak II equipment.
2. Gray cell indicates that dust monitoring was not conducted that day because there were no remediation activities that day.
3. ND indicates that monitor was not deployed as detailed in the report.
4. Readings with 'Malfunction' listed were taken down for servicing and therefore no data was reported.
5. Blue cell indicates that no data was recorded due to daylight saving time adjustment and lack of sufficient representative data.

Dust Monitor Summary
South Elevated Data Summary

Texas Custodial Trust
Former Asarco Smelter
El Paso, Texas

Date	Location	Comments
6/6/2013	South	Dust suppression was implemented during working hours to manage onsite dust generation. Gusty winds and widespread dust were present after 8:00 PM in the El Paso region. High winds prevailed from the east with gusts up to 40 miles per hour (mph) and maximum sustained wind speeds of 35 mph. A background dust evaluation was conducted on the elevated data using the upwind (East, North East, Arroyo South and Arroyo North) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the West, Arroyo West and North West (downwind) locations resulted in the actual average dust generated on site to be 16 µg/m^3 which is below the site-specific sentinel value of 43 µg/m^3. The elevated dust concentrations for the day are attributed to meteorological conditions.
6/24/2013	South	Dust suppression was implemented during working hours to manage onsite dust generation. Rain showers and thunderstorms were present in the evening with winds prevailing from the west southwest at an average speed of 9 mph and wind gusts up to 33 mph. A background dust evaluation was conducted on the elevated data using the upwind (South and North West) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the North East and La Calavera (downwind) locations resulted in the actual average dust generated on site to be 10 µg/m^3 which is below the site-specific sentinel value of 43 µg/m^3. The elevated dust concentrations for the day are attributed to meteorological conditions.
1/22/2014	South	Dust suppression was implemented during working hours to manage onsite dust generation. Early morning and evening meteorological inversion layer conditions contributed to the high daily average dust concentration exceedance. The average dust concentration during the working hours was below the sentinel value. The inversion layer dissipated by noon and there were no recorded exceedances in the afternoon until after work hours from approximately 5:00 P.M. to midnight when the inversion layer formed again. The elevated dust concentrations for the day are attributed to area-wide meteorological conditions.
1/29/2014	South	Dust suppression was implemented during working hours to manage onsite dust generation. The National Weather Service issued a Fire Weather Watch beginning in the evening until the following day. Critical fire weather conditions with increasing were present in the El Paso region in the evening. Wind gusts were recorded up to 13 mph with an average wind speed at 7 mph prevailing from the south southeast. A background dust evaluation was conducted on the elevated data using the upwind (South, EBS E and Arroyo South) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the Northwest, Arroyo West, Arroyo North, La Calavera and EBS N (downwind) locations resulted in the actual average dust generated on site to be 21 µg/m^3 which is below the site-specific sentinel value of 43 µg/m^3. The elevated dust concentrations for the day are attributed to meteorological conditions.
3/19/2014	South	Dust suppression was implemented during working hours to manage onsite dust generation. The prevailing wind was from the northeast with an average wind speed at 5 mph. A background dust evaluation was conducted on the elevated data using the upwind (La Calavera, Arroyo South, Arroyo North and EBS E) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the Arroyo West, West, Northwest and EBS S (downwind) locations resulted in the actual average dust generated on site to be 34 µg/m^3 which is below the site-specific sentinel value of 43 µg/m^3. The elevated dust concentrations for the day are attributed to meteorological conditions.

Dust Monitor Summary
South Elevated Data Summary

Texas Custodial Trust
Former Asarco Smelter
El Paso, Texas

Date	Location	Comments
3/20/2014	South	Dust suppression was implemented during working hours to manage onsite dust generation. The prevailing wind was from the southwest with a maximum wind gust speed of 18 mph and the average wind speed at 4 mph. A background dust evaluation was conducted on the elevated data using the upwind (South, West and Northwest) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the La Calavera and East (downwind) locations resulted in the actual average dust generated on site to be 9 µg/m^3 which is below the site-specific sentinel value of 43 µg/m^3. The elevated dust concentrations for the day are attributed to meteorological conditions.
4/26/2014	South	A wind advisory warning was implemented for the El Paso area for April 25th and 26th. The prevailing wind was from the southwest with a maximum wind gust speed of 55 mph and the average wind speed at 23 mph with widespread dust present beginning in the afternoon and remaining in the area until late evening hours. A background dust evaluation was conducted on the elevated data using the upwind (South and West) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the Arroyo West, East and EBS S (downwind) locations resulted in the actual average dust generated on site to be 5 µg/m^3 which is below the site-specific sentinel value of 43 µg/m^3. The elevated dust concentrations for the day are attributed to meteorological conditions.

Dust Monitor Summary
West Elevated Data Summary

Texas Custodial Trust
Former Asarco Smelter
El Paso, Texas

Date	Location	Comments
10/10/2013	West	Dust suppression was implemented during working hours to manage onsite dust generation. Gusty winds and widespread dust were present between 11:00AM and 10:00PM in the El Paso region. High winds prevailed from the southwest with gusts up to 44 miles per hour (mph) and maximum sustained wind speeds of 36 mph. A background dust evaluation was conducted on the elevated data using the upwind (West and South) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the Arroyo North, Arroyo South, Arroyo West, East and Northeast (downwind) locations resulted in the actual average dust generated on site to be 38 $\mu g/m^3$ which is below the site-specific sentinel value of 43 $\mu g/m^3$. The elevated dust concentrations for the day are attributed to meteorological conditions.
11/4/2013	West	Early morning and evening meteorological inversion layer conditions contributed to the high daily average dust concentration exceedance. The average dust concentration during the working hours was below the sentinel value. The inversion layer dissipated by noon and there were no recorded exceedances in the afternoon until after work hours from 6:00PM to 10:00PM when the inversion layer formed again. Dust suppression was implemented as necessary during working hours. The elevated dust concentrations for the day are attributed to area wide meteorological conditions.
11/26/2013	West	Dust suppression was implemented during working hours to manage onsite dust generation. Early morning and evening meteorological inversion layer conditions contributed to the high daily average dust concentration exceedance. The average dust concentration during the working hours was below the sentinel value. The inversion layer was present in the early morning hours and dissipated by noon and there were no recorded exceedances until after work hours from approximately 6:00PM to 11:00PM when the inversion layer formed again. The elevated dust concentrations for the day are attributed to area wide meteorological conditions.
12/10/2013	West	Dust suppression was implemented during working hours to manage onsite dust generation. Wind gusts were recorded up to 23 mph with an average wind speed at 10 mph prevailing from the north. A background dust evaluation was conducted on the elevated data using the upwind (Arroyo West, Arroyo North, La Calavera and North West) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the East, West and South (downwind) locations resulted in the actual average dust generated on site to be 27 $\mu g/m^3$ which is below the site-specific sentinel value of 43 $\mu g/m^3$. The elevated dust concentrations for the day are attributed to meteorological conditions.

Dust Monitor Summary
West Elevated Data Summary

Texas Custodial Trust
Former Asarco Smelter
El Paso, Texas

Date	Location	Comments
12/14/2013	West	Atmospheric inversions trap particulate matter in the air over the mountain basin in which El Paso is located. Stagnant air accumulates during the fall and winter months and inversions form most frequently in December, December, and January when there are long nights and short days. Since there is minimal moisture in the El Paso desert atmosphere during this time of year, strong nighttime cooling occurs under the clear skies. The air near the surface of the earth cools more rapidly than the air above, and forms a nighttime inversion which traps particulate matter. During the morning, the strong desert heating begins to break the inversion around noon. Early morning and evening meteorological inversion layer conditions contributed to the high daily average dust concentration exceedance. The average dust concentration during the working hours was below the sentinel value. The inversion layer dissipated by noon and there were no recorded exceedances in the afternoon until after work hours from approximately 6:00PM to 11:00PM when the inversion layer formed again. Dust suppression was implemented as necessary during working hours. The elevated dust concentrations for the day are attributed to area wide meteorological conditions.
1/7/2014	West	Dust suppression was implemented during working hours to manage onsite dust generation. Early morning and evening meteorological inversion layer conditions contributed to the high daily average dust concentration exceedance. The average dust concentration during the working hours was below the sentinel value. The inversion layer dissipated by 10:00A.M., and there were no recorded exceedances in the afternoon until after work hours from approximately 6:00P.M. to 11:00P.M. when the inversion layer formed again. The elevated dust concentrations for the day are attributed to area-wide meteorological conditions.
1/17/2014	West	Dust suppression was implemented during working hours to manage onsite dust generation. Early morning and evening meteorological inversion layer conditions contributed to the high daily average dust concentration exceedance. The average dust concentration during the working hours was below the sentinel value. The inversion layer dissipated by 10:00A.M., and there were no recorded exceedances in the afternoon until after work hours from approximately 6:00P.M. to midnight when the inversion layer formed again. The elevated dust concentrations for the day are attributed to area-wide meteorological conditions.
1/18/2014	West	Dust suppression was implemented during working hours to manage onsite dust generation. Early morning and evening meteorological inversion layer conditions contributed to the high daily average dust concentration exceedance. The average dust concentration during the working hours was below the sentinel value. The inversion layer dissipated by noon and there were no recorded exceedances in the afternoon until after work hours from approximately 7:00 P.M. to midnight when the inversion layer formed again. The elevated dust concentrations for the day are attributed to area-wide meteorological conditions.
1/21/2014	West	Dust suppression was implemented during working hours to manage onsite dust generation. Evening meteorological inversion layer conditions contributed to the high daily average dust concentration exceedance. All monitors reported instantaneous exceedances during the time the inversion layer occurred. The average dust concentration during the working hours was below the sentinel value for all monitors. There were no recorded exceedances in the afternoon until after work hours from approximately 5:00P.M. to midnight when the inversion layer formed. The elevated dust concentration for the day is attributed to area-wide meteorological conditions.

Dust Monitor Summary
West Elevated Data Summary

Texas Custodial Trust
Former Asarco Smelter
El Paso, Texas

Date	Location	Comments
1/22/2014	West	Dust suppression was implemented during working hours to manage onsite dust generation. Early morning and evening meteorological inversion layer conditions contributed to the high daily average dust concentration exceedance. The average dust concentration during the working hours was below the sentinel value. The inversion layer dissipated by noon and there were no recorded exceedances in the afternoon until after work hours from approximately 5:00 P.M. to midnight when the inversion layer formed again. The elevated dust concentrations for the day are attributed to area-wide meteorological conditions.
1/23/2014	West	Dust suppression was implemented during working hours to manage onsite dust generation. A high wind advisory was for the El Paso Region. Wind gusts were recorded up to 31 mph with an average wind speed at 12 mph prevailing from the east. A background dust evaluation was conducted on the elevated data using the upwind (East, Northeast and La Calavera) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the West, Northwest, and Arroyo West (downwind) locations resulted in the actual average dust generated on site to be 29 $\mu g/m^3$ which is below the site-specific sentinel value of 43 $\mu g/m^3$. The elevated dust concentrations for the day are attributed to meteorological conditions.
1/29/2014	West	Dust suppression was implemented during working hours to manage onsite dust generation. The National Weather Service issued a Fire Weather Watch beginning in the evening until the following day. Critical fire weather conditions with increasing were present in the El Paso region in the evening. Wind gusts were recorded up to 13 mph with an average wind speed at 7 mph prevailing from the south southeast. A background dust evaluation was conducted on the elevated data using the upwind (South, EBS E and Arroyo South) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the Northwest, Arroyo West, Arroyo North, La Calavera and EBS N (downwind) locations resulted in the actual average dust generated on site to be 21 $\mu g/m^3$ which is below the site-specific sentinel value of 43 $\mu g/m^3$. The elevated dust concentrations for the day are attributed to meteorological conditions.
3/12/2014	West	Dust suppression was implemented during working hours to manage onsite dust generation. A wind advisory warning was implemented for the El Paso area for March 11th through March 12th. The prevailing wind was from the northeast with a maximum wind gust speed of 31 mph and the average wind speed at 13 mph with widespread dust present in the early morning hours. As previously indicated, the MP-1 and MP-10 monitors recorded half a day's worth of data during this time period and subsequent dust concentrations for this day are not representative daily average dust concentrations. However, a background dust evaluation was conducted on the elevated data using the upwind (La Calavera, Arroyo South, Arroyo North and EBS E) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the Arroyo West, West, Northwest and EBS S (downwind) locations resulted in the actual average dust generated on site to be 23 $\mu g/m^3$ which is below the site-specific sentinel value of 43 $\mu g/m^3$. The elevated dust concentrations for the day are attributed to meteorological conditions.

Dust Monitor Summary
West Elevated Data Summary

Texas Custodial Trust
Former Asarco Smelter
El Paso, Texas

Date	Location	Comments
3/13/2014	West	Dust suppression was implemented during working hours to manage onsite dust generation. The prevailing wind was from the northeast with an average wind speed at 5 mph. The MP-1 and MP-10 monitors recorded half a day's worth of data during this time period as previously indicated and subsequent dust concentrations for this day are not representative daily average dust concentrations. However, a background dust evaluation was conducted on the elevated data using the upwind (La Calavera, Arroyo South, Arroyo North and EBS E) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the Arroyo West, West, Northwest and EBS S (downwind) locations resulted in the actual average dust generated on site to be 23 µg/m^3 which is below the site-specific sentinel value of 43 µg/m^3. The elevated dust concentrations for the day are attributed to meteorological conditions.
3/19/2014	West	Dust suppression was implemented during working hours to manage onsite dust generation. The prevailing wind was from the northeast with an average wind speed at 5 mph. A background dust evaluation was conducted on the elevated data using the upwind (La Calavera, Arroyo South, Arroyo North and EBS E) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the Arroyo West, West, Northwest and EBS S (downwind) locations resulted in the actual average dust generated on site to be 34 µg/m^3 which is below the site-specific sentinel value of 43 µg/m^3. The elevated dust concentrations for the day are attributed to meteorological conditions.
3/20/2014	West	Dust suppression was implemented during working hours to manage onsite dust generation. The prevailing wind was from the southwest with a maximum wind gust speed of 18 mph and the average wind speed at 4 mph. A background dust evaluation was conducted on the elevated data using the upwind (South, West and Northwest) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the La Calavera and East (downwind) locations resulted in the actual average dust generated on site to be 9 µg/m^3 which is below the site-specific sentinel value of 43 µg/m^3. The elevated dust concentrations for the day are attributed to meteorological conditions.
4/26/2014	West	A wind advisory warning was implemented for the El Paso area for April 25th and 26th. The prevailing wind was from the southwest with a maximum wind gust speed of 55 mph and the average wind speed at 23 mph with widespread dust present beginning in the afternoon and remaining in the area until late evening hours. A background dust evaluation was conducted on the elevated data using the upwind (South and West) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the Arroyo West, East and EBS S (downwind) locations resulted in the actual average dust generated on site to be 5 µg/m^3 which is below the site-specific sentinel value of 43 µg/m^3. The elevated dust concentrations for the day are attributed to meteorological conditions.

Dust Monitor Summary
West Elevated Data Summary

Texas Custodial Trust
Former Asarco Smelter
El Paso, Texas

Date	Location	Comments
5/6/2014	West	A wind advisory warning was issued May 6th from the afternoon to evening hours. The prevailing wind was from the southwest with a maximum wind gust speed of 63 mph and the average wind speed at 10 mph with widespread dust present beginning in the afternoon and remaining in the area until evening hours. A background dust evaluation was conducted on the elevated data using the upwind (West and South) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the Arroyo West and East (downwind) locations resulted in the actual average dust generated on site to be 19 µg/m^3 which is below the site-specific sentinel value of 43 µg/m^3. The elevated dust concentrations for the day are attributed to meteorological conditions.
5/7/2014	West	A wind advisory warning was issued May 7th from the early morning to evening hours. The prevailing wind was from the southwest with a maximum wind gust speed of 63 mph and the average wind speed at 10 mph with widespread dust present beginning in the afternoon and remaining in the area until evening hours. A background dust evaluation was conducted on the elevated data using the upwind (West and South) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the Arroyo West and East (downwind) locations resulted in the actual average dust generated on site to be 26 µg/m^3 which is below the site-specific sentinel value of 43 µg/m^3. The elevated dust concentrations for the day are attributed to meteorological conditions.
6/13/2014	West	The prevailing wind was from the southeast with a maximum wind gust speed of 55 mph and an average wind speed at 43 mph. A background dust evaluation was conducted on the elevated data using the upwind (South, Northeast and Arroyo South) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the Arroyo West and Northwest and West (downwind) locations resulted in the actual average dust generated on site to be 9 µg/m^3 which is below the site-specific sentinel value of 43 µg/m^3. The elevated dust concentrations for the day are attributed to meteorological conditions.
7/1/2014	West	The prevailing wind was from the southeast with a maximum wind gust speed of 53 mph and an average wind speed at 8 mph. A background dust evaluation was conducted on the elevated data using the upwind (Northeast, East and South) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the West, Arroyo West and Northwest (downwind) locations resulted in the actual average dust generated on site to be 19 µg/m^3 which is below the site-specific sentinel value of 43 µg/m^3. The elevated dust concentrations for the day are attributed to meteorological conditions.

Dust Monitor Summary
North West Elevated Data Summary

Texas Custodial Trust
Former Asarco Smelter
El Paso, Texas

Date	Location	Comments
4/8/2013	North West	National Weather Service issued a blowing dust and high wind advisory for the El Paso region. A large storm system generating strong winds was present all day and into the evening. West to southwest winds had sustained speeds around 35 to 45 mph. A background dust evaluation was conducted on the elevated data using the upwind (West and North West) monitor locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the Arroyo North, Arroyo South and Arroyo West (downwind) locations resulted in the actual average dust generated on site to be 23 µg/m^3 which is below the site-specific sentinel value of 43 µg/m^3. Dust suppression was implemented as necessary during working hours. The elevated dust concentrations for the day are attributed to meteorological conditions.
4/9/2013	North West	National Weather Service issued a wind advisory for the El Paso region. A deep low pressure system with a cold front moved across the region generating strong winds in the morning and into the afternoon. West winds were sustained at speeds ranging from 25 to 35 mph with gusts around 50 mph. Blowing dusts reduced visibility to less than one mile. A background dust evaluation was conducted on the elevated data using the upwind (West, Arroyo West and North West) monitor locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the North East, East, and Arroyo South (downwind) locations resulted in the actual average dust generated on site to be 26 µg/m^3 which is below the site-specific sentinel value of 43 µg/m^3. Dust suppression was implemented as necessary during working hours. The elevated dust concentrations for the day are attributed to meteorological conditions.
4/17/2013	North West	National Weather Service issued a high wind warning and blowing dust advisory for the El Paso region which began on April 16 and lasted until April 18. The weather pattern generated strong west southwest winds with sustained speeds of 25 to 40 mph with gusts around 56 mph. Widespread blowing dust was present throughout the area. A background dust evaluation was conducted on the elevated data using the upwind (West and North West) monitor locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the Arroyo North, Arroyo South and Arroyo West (downwind) locations resulted in the actual average dust generated on site to be 23 µg/m^3 which is below the site-specific sentinel value of 43 µg/m^3. Dust suppression was implemented as necessary during working hours. The elevated dust concentrations for the day are attributed to meteorological conditions.
1/22/2014	North West	Dust suppression was implemented during working hours to manage onsite dust generation. Early morning and evening meteorological inversion layer conditions contributed to the high daily average dust concentration exceedance. The average dust concentration during the working hours was below the sentinel value. The inversion layer dissipated by noon and there were no recorded exceedances in the afternoon until after work hours from approximately 5:00 P.M. to midnight when the inversion layer formed again. The elevated dust concentrations for the day are attributed to area-wide meteorological conditions.

Dust Monitor Summary
North West Elevated Data Summary

Texas Custodial Trust
Former Asarco Smelter
El Paso, Texas

Date	Location	Comments
1/29/2014	North West	Dust suppression was implemented during working hours to manage onsite dust generation. The National Weather Service issued a Fire Weather Watch beginning in the evening until the following day. Critical fire weather conditions with increasing were present in the El Paso region in the evening. Wind gusts were recorded up to 13 mph with an average wind speed at 7 mph prevailing from the south southeast. A background dust evaluation was conducted on the elevated data using the upwind (South, EBS E and Arroyo South) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the Northwest, Arroyo West, Arroyo North, La Calavera and EBS N (downwind) locations resulted in the actual average dust generated on site to be 21 µg/m^3 which is below the site-specific sentinel value of 43 µg/m^3. The elevated dust concentrations for the day are attributed to meteorological conditions.
3/19/2014	North West	Dust suppression was implemented during working hours to manage onsite dust generation. The prevailing wind was from the northeast with an average wind speed at 5 mph. A background dust evaluation was conducted on the elevated data using the upwind (La Calavera, Arroyo South, Arroyo North and EBS E) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the Arroyo West, West, Northwest and EBS S (downwind) locations resulted in the actual average dust generated on site to be 34 µg/m^3 which is below the site-specific sentinel value of 43 µg/m^3. The elevated dust concentrations for the day are attributed to meteorological conditions.
3/20/2014	North West	Dust suppression was implemented during working hours to manage onsite dust generation. The prevailing wind was from the southwest with a maximum wind gust speed of 18 mph and the average wind speed at 4 mph. A background dust evaluation was conducted on the elevated data using the upwind (South, West and Northwest) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the La Calavera and East (downwind) locations resulted in the actual average dust generated on site to be 9 µg/m^3 which is below the site-specific sentinel value of 43 µg/m^3. The elevated dust concentrations for the day are attributed to meteorological conditions.
4/26/2014	North West	A wind advisory warning was implemented for the El Paso area for April 25th and 26th. The prevailing wind was from the southwest with a maximum wind gust speed of 55 mph and the average wind speed at 23 mph with widespread dust present beginning in the afternoon and remaining in the area until late evening hours. A background dust evaluation was conducted on the elevated data using the upwind (South and West) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the Arroyo West, East and EBS S (downwind) locations resulted in the actual average dust generated on site to be 5 µg/m^3 which is below the site-specific sentinel value of 43 µg/m^3. The elevated dust concentrations for the day are attributed to meteorological conditions.
5/7/2014	North West	A wind advisory warning was issued May 7th from the early morning to evening hours. The prevailing wind was from the southwest with a maximum wind gust speed of 63 mph and the average wind speed at 10 mph with widespread dust present beginning in the afternoon and remaining in the area until evening hours. A background dust evaluation was conducted on the elevated data using the upwind (West and South) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the Arroyo West and East (downwind) locations resulted in the actual average dust generated on site to be 26 µg/m^3 which is below the site-specific sentinel value of 43 µg/m^3. The elevated dust concentrations for the day are attributed to meteorological conditions.

Dust Monitor Summary
North Elevated Data Summary

Texas Custodial Trust
Former Asarco Smelter
El Paso, Texas

Date	Location	Comments
4/9/2013	North	National Weather Service issued a wind advisory for the El Paso region. A deep low pressure system with a cold front moved across the region generating strong winds in the morning and into the afternoon. West winds were sustained at speeds ranging from 25 to 35 mph with gusts around 50 mph. Blowing dusts reduced visibility to less than one mile. A background dust evaluation was conducted on the elevated data using the upwind (West, Arroyo West and North West) monitor locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the North East, East, and Arroyo South (downwind) locations resulted in the actual average dust generated on site to be 26 $\mu g/m^3$ which is below the site-specific sentinel value of 43 $\mu g/m^3$. Dust suppression was implemented as necessary during working hours. The elevated dust concentrations for the day are attributed to meteorological conditions.
1/22/2014	North	Dust suppression was implemented during working hours to manage onsite dust generation. Early morning and evening meteorological inversion layer conditions contributed to the high daily average dust concentration exceedance. The average dust concentration during the working hours was below the sentinel value. The inversion layer dissipated by noon and there were no recorded exceedances in the afternoon until after work hours from approximately 5:00 P.M. to midnight when the inversion layer formed again. The elevated dust concentrations for the day are attributed to area-wide meteorological conditions.
1/29/2014	North	Dust suppression was implemented during working hours to manage onsite dust generation. The National Weather Service issued a Fire Weather Watch beginning in the evening until the following day. Critical fire weather conditions with increasing were present in the El Paso region in the evening. Wind gusts were recorded up to 13 mph with an average wind speed at 7 mph prevailing from the south southeast. A background dust evaluation was conducted on the elevated data using the upwind (South, EBS E and Arroyo South) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the Northwest, Arroyo West, Arroyo North, La Calavera and EBS N (downwind) locations resulted in the actual average dust generated on site to be 21 $\mu g/m^3$ which is below the site-specific sentinel value of 43 $\mu g/m^3$. The elevated dust concentrations for the day are attributed to meteorological conditions.
3/19/2014	North	Dust suppression was implemented during working hours to manage onsite dust generation. The prevailing wind was from the northeast with an average wind speed at 5 mph. A background dust evaluation was conducted on the elevated data using the upwind (La Calavera, Arroyo South, Arroyo North and EBS E) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the Arroyo West, West, Northwest and EBS S (downwind) locations resulted in the actual average dust generated on site to be 34 $\mu g/m^3$ which is below the site-specific sentinel value of 43 $\mu g/m^3$. The elevated dust concentrations for the day are attributed to meteorological conditions.
3/20/2014	North	Dust suppression was implemented during working hours to manage onsite dust generation. The prevailing wind was from the southwest with a maximum wind gust speed of 18 mph and the average wind speed at 4 mph. A background dust evaluation was conducted on the elevated data using the upwind (South, West and Northwest) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the La Calavera and East (downwind) locations resulted in the actual average dust generated on site to be 9 $\mu g/m^3$ which is below the site-specific sentinel value of 43 $\mu g/m^3$. The elevated dust concentrations for the day are attributed to meteorological conditions.

Dust Monitor Summary
North East Elevated Data Summary

Texas Custodial Trust
Former Asarco Smelter
El Paso, Texas

Date	Location	Comments
6/27/2013	North East	Dust suppression was implemented during working hours to manage onsite dust generation. As an added measure and standard practice, field staff are reminded to implement increased water application for dust suppression during high wind days and days of widespread dust. Southeast winds averaged 5 mph with gusts up to 25 mph. A background dust evaluation was conducted on the elevated data using the upwind (Arroyo South, East and South) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the Arroyo West, Arroyo North and West (downwind) locations resulted in the actual average dust generated on site to be 12 $\mu g/m^3$ which is below the site-specific sentinel value of 43 $\mu g/m^3$. The elevated dust concentrations for the day are attributed to meteorological conditions.
1/18/2014	North East	Dust suppression was implemented during working hours to manage onsite dust generation. Early morning and evening meteorological inversion layer conditions contributed to the high daily average dust concentration exceedance. The average dust concentration during the working hours was below the sentinel value. The inversion layer dissipated by noon and there were no recorded exceedances in the afternoon until after work hours from approximately 7:00 P.M. to midnight when the inversion layer formed again. The elevated dust concentrations for the day are attributed to area-wide meteorological conditions.
1/22/2014	North East	Dust suppression was implemented during working hours to manage onsite dust generation. Early morning and evening meteorological inversion layer conditions contributed to the high daily average dust concentration exceedance. The average dust concentration during the working hours was below the sentinel value. The inversion layer dissipated by noon and there were no recorded exceedances in the afternoon until after work hours from approximately 5:00 P.M. to midnight when the inversion layer formed again. The elevated dust concentrations for the day are attributed to area-wide meteorological conditions.
1/27/2014	North East	Dust suppression was implemented during working hours to manage onsite dust generation. Wind gusts were recorded up to 26 mph with an average wind speed at 7 mph prevailing from the southeast. Furthermore, approximately half a day's worth of data was recorded on these monitors, which partly skews the data and makes it not fully representative of the day's activity. Irrespective of the lack of data, a background dust evaluation was conducted on the elevated data using the upwind (South, EBS E and Arroyo South) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the Northwest, Arroyo West, Arroyo North, La Calavera and EBS N (downwind) locations resulted in the actual average dust generated on site to be 14 $\mu g/m^3$ which is below the site-specific sentinel value of 43 $\mu g/m^3$. The elevated dust concentrations for the day are attributed to meteorological conditions.
1/29/2014	North East	Dust suppression was implemented during working hours to manage onsite dust generation. The National Weather Service issued a Fire Weather Watch beginning in the evening until the following day. Critical fire weather conditions with increasing were present in the El Paso region in the evening. Wind gusts were recorded up to 13 mph with an average wind speed at 7 mph prevailing from the south southeast. A background dust evaluation was conducted on the elevated data using the upwind (South, EBS E and Arroyo South) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the Northwest, Arroyo West, Arroyo North, La Calavera and EBS N (downwind) locations resulted in the actual average dust generated on site to be 21 $\mu g/m^3$ which is below the site-specific sentinel value of 43 $\mu g/m^3$. The elevated dust concentrations for the day are attributed to meteorological conditions.

Dust Monitor Summary
North East Elevated Data Summary

Texas Custodial Trust
Former Asarco Smelter
El Paso, Texas

Date	Location	Comments
3/19/2014	North East	Dust suppression was implemented during working hours to manage onsite dust generation. The prevailing wind was from the northeast with an average wind speed at 5 mph. A background dust evaluation was conducted on the elevated data using the upwind (La Calavera, Arroyo South, Arroyo North and EBS E) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the Arroyo West, West, Northwest and EBS S (downwind) locations resulted in the actual average dust generated on site to be 34 µg/m^3 which is below the site-specific sentinel value of 43 µg/m^3. The elevated dust concentrations for the day are attributed to meteorological conditions.
3/20/2014	North East	Dust suppression was implemented during working hours to manage onsite dust generation. The prevailing wind was from the southwest with a maximum wind gust speed of 18 mph and the average wind speed at 4 mph. A background dust evaluation was conducted on the elevated data using the upwind (South, West and Northwest) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the La Calavera and East (downwind) locations resulted in the actual average dust generated on site to be 9 µg/m^3 which is below the site-specific sentinel value of 43 µg/m^3. The elevated dust concentrations for the day are attributed to meteorological conditions.
4/26/2014	North East	A wind advisory warning was implemented for the El Paso area for April 25th and 26th. The prevailing wind was from the southwest with a maximum wind gust speed of 55 mph and the average wind speed at 23 mph with widespread dust present beginning in the afternoon and remaining in the area until late evening hours. A background dust evaluation was conducted on the elevated data using the upwind (South and West) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the Arroyo West, East and EBS S (downwind) locations resulted in the actual average dust generated on site to be 5 µg/m^3 which is below the site-specific sentinel value of 43 µg/m^3. The elevated dust concentrations for the day are attributed to meteorological conditions.
5/6/2014	North East	A wind advisory warning was issued May 6th from the afternoon to evening hours. The prevailing wind was from the southwest with a maximum wind gust speed of 63 mph and the average wind speed at 10 mph with widespread dust present beginning in the afternoon and remaining in the area until evening hours. A background dust evaluation was conducted on the elevated data using the upwind (West and South) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the Arroyo West and East (downwind) locations resulted in the actual average dust generated on site to be 19 µg/m^3 which is below the site-specific sentinel value of 43 µg/m^3. The elevated dust concentrations for the day are attributed to meteorological conditions.
5/7/2014	North East	A wind advisory warning was issued May 7th from the early morning to evening hours. The prevailing wind was from the southwest with a maximum wind gust speed of 63 mph and the average wind speed at 10 mph with widespread dust present beginning in the afternoon and remaining in the area until evening hours. A background dust evaluation was conducted on the elevated data using the upwind (West and South) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the Arroyo West and East (downwind) locations resulted in the actual average dust generated on site to be 26 µg/m^3 which is below the site-specific sentinel value of 43 µg/m^3. The elevated dust concentrations for the day are attributed to meteorological conditions.

Dust Monitor Summary
East Elevated Data Summary

Texas Custodial Trust
Former Asarco Smelter
El Paso, Texas

Date	Location	Comments
10/10/2013	East	Dust suppression was implemented during working hours to manage onsite dust generation. Gusty winds and widespread dust were present between 11:00AM and 10:00PM in the El Paso region. High winds prevailed from the southwest with gusts up to 44 miles per hour (mph) and maximum sustained wind speeds of 36 mph. A background dust evaluation was conducted on the elevated data using the upwind (West and South) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the Arroyo North, Arroyo South, Arroyo West, East and Northeast (downwind) locations resulted in the actual average dust generated on site to be 38 $\mu g/m^3$ which is below the site-specific sentinel value of 43 $\mu g/m^3$. The elevated dust concentrations for the day are attributed to meteorological conditions.
10/19/2013	East	Dust suppression was implemented during working hours to manage onsite dust generation. Winds and widespread dust were present between 6:30PM and 11:00PM in the area surrounding the site. High winds prevailed from the east. A background dust evaluation was conducted on the elevated data using the upwind (Arroyo North, Arroyo South and Northeast and East) locations. Subtracting the daily average background dust concentration at the upwind locations from the daily average dust concentration for the Arroyo West, Northwest and West (downwind) locations resulted in the actual average dust generated on site to be 12 $\mu g/m^3$ which is below the site-specific sentinel value of 43 $\mu g/m^3$. The elevated dust concentrations for the day are attributed to offsite conditions.
11/4/2013	East	Early morning and evening meteorological inversion layer conditions contributed to the high daily average dust concentration exceedance. The average dust concentration during the working hours was below the sentinel value. The inversion layer dissipated by noon and there were no recorded exceedances in the afternoon until after work hours from 6:00PM to 10:00PM when the inversion layer formed again. Dust suppression was implemented as necessary during working hours. The elevated dust concentrations for the day are attributed to area wide meteorological conditions.
11/9/2013	East	Dust suppression was implemented during working hours to manage onsite dust generation. Early morning and evening meteorological inversion layer conditions contributed to the high daily average dust concentration exceedance. The average dust concentration during the working hours was below the sentinel value. The inversion layer dissipated by noon and there were no recorded exceedances in the afternoon until after work hours from 6:00PM to 10:00PM when the inversion layer formed again. The elevated dust concentrations for the day are attributed to area wide meteorological conditions.
11/14/2013	East	Dust suppression was implemented during working hours to manage onsite dust generation. Winds and widespread dust were present between 8:00PM and 11:00PM in the area surrounding the site. High winds prevailed from the south. A background dust evaluation was conducted on the elevated data using the upwind (South and West) locations. Subtracting the daily average background dust concentration at the upwind locations from the daily average dust concentration for the Arroyo West, Northwest, Arroyo North, La Calavera and Arroyo South (downwind) locations resulted in the actual average dust generated on site to be 15 $\mu g/m^3$ which is below the site-specific sentinel value of 43 $\mu g/m^3$. The elevated dust concentrations for the day are attributed to offsite conditions.

Dust Monitor Summary
East Elevated Data Summary

Texas Custodial Trust
Former Asarco Smelter
El Paso, Texas

Date	Location	Comments
11/25/2013	East	Dust suppression was implemented during working hours to manage onsite dust generation. Early morning and evening meteorological inversion layer conditions contributed to the high daily average dust concentration exceedance. The average dust concentration during the working hours was below the sentinel value. The inversion layer was present in the early morning hours and dissipated by noon and there were no recorded exceedances until after work hours from approximately 6:00PM to 11:00PM when the inversion layer formed again. The elevated dust concentrations for the day are attributed to area wide meteorological conditions.
11/26/2013	East	Dust suppression was implemented during working hours to manage onsite dust generation. Early morning and evening meteorological inversion layer conditions contributed to the high daily average dust concentration exceedance. The average dust concentration during the working hours was below the sentinel value. The inversion layer was present in the early morning hours and dissipated by noon and there were no recorded exceedances until after work hours from approximately 6:00PM to 11:00PM when the inversion layer formed again. The elevated dust concentrations for the day are attributed to area wide meteorological conditions.
12/4/2013	East	Dust suppression was implemented during working hours to manage onsite dust generation. A high wind advisory was for the El Paso Region. Wind gusts were recorded up to 51 mph with an average wind speed at 23 mph prevailing from the southwest. A background dust evaluation was conducted on the elevated data using the upwind (West, South, and North West) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the East, North East, and La Calavera (downwind) locations resulted in the actual average dust generated on site to be 22 $\mu g/m^3$ which is below the site-specific sentinel value of 43 $\mu g/m^3$. The elevated dust concentrations for the day are attributed to meteorological conditions.
12/9/2013	East	Dust suppression was implemented during working hours to manage onsite dust generation. Wind gusts were recorded up to 33 mph with an average wind speed at 11 mph prevailing from the north northwest. A background dust evaluation was conducted on the elevated data using the upwind (Arroyo West, West and North West) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the East, North East and South (downwind) locations resulted in the actual average dust generated on site to be 13 $\mu g/m^3$ which is below the site-specific sentinel value of 43 $\mu g/m^3$. The elevated dust concentrations for the day are attributed to meteorological conditions.
12/10/2013	East	Dust suppression was implemented during working hours to manage onsite dust generation. Wind gusts were recorded up to 23 mph with an average wind speed at 10 mph prevailing from the north. A background dust evaluation was conducted on the elevated data using the upwind (Arroyo West, Arroyo North, La Calavera and North West) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the East, West and South (downwind) locations resulted in the actual average dust generated on site to be 27 $\mu g/m^3$ which is below the site-specific sentinel value of 43 $\mu g/m^3$. The elevated dust concentrations for the day are attributed to meteorological conditions.

Dust Monitor Summary
East Elevated Data Summary

Texas Custodial Trust
Former Asarco Smelter
El Paso, Texas

Date	Location	Comments
12/14/2013	East	Atmospheric inversions trap particulate matter in the air over the mountain basin in which El Paso is located. Stagnant air accumulates during the fall and winter months and inversions form most frequently in December, December, and January when there are long nights and short days. Since there is minimal moisture in the El Paso desert atmosphere during this time of year, strong nighttime cooling occurs under the clear skies. The air near the surface of the earth cools more rapidly than the air above, and forms a nighttime inversion which traps particulate matter. During the morning, the strong desert heating begins to break the inversion around noon. Early morning and evening meteorological inversion layer conditions contributed to the high daily average dust concentration exceedance. The average dust concentration during the working hours was below the sentinel value. The inversion layer dissipated by noon and there were no recorded exceedances in the afternoon until after work hours from approximately 6:00PM to 11:00PM when the inversion layer formed again. Dust suppression was implemented as necessary during working hours. The elevated dust concentrations for the day are attributed to area wide meteorological conditions.
12/17/2013	East	Dust suppression was implemented during working hours to manage onsite dust generation. An evening meteorological inversion layer conditions contributed to the high daily average dust concentration exceedance. The average dust concentration during the working hours was below the sentinel value. The inversion layer was present after work hours from approximately 6:00PM to 11:00PM and there were no recorded exceedances during working hours. The elevated dust concentrations for the day are attributed to area wide meteorological conditions.
12/18/2013	East	Dust suppression was implemented during working hours to manage onsite dust generation. An evening meteorological inversion layer conditions contributed to the high daily average dust concentration exceedance. The average dust concentration during the working hours was below the sentinel value. The inversion layer was present after work hours from approximately 6:00PM to 11:00PM and there were no recorded exceedances during working hours. The elevated dust concentrations for the day are attributed to area wide meteorological conditions.
1/7/2014	East	Dust suppression was implemented during working hours to manage onsite dust generation. Early morning and evening meteorological inversion layer conditions contributed to the high daily average dust concentration exceedance. The average dust concentration during the working hours was below the sentinel value. The inversion layer dissipated by 10:00A.M., and there were no recorded exceedances in the afternoon until after work hours from approximately 6:00P.M. to 11:00P.M. when the inversion layer formed again. The elevated dust concentrations for the day are attributed to area-wide meteorological conditions.
1/11/2014	East	Dust suppression was implemented during working hours to manage onsite dust generation. Late evening meteorological inversion layer conditions contributed to the high daily average dust concentration exceedance. While only one monitor had a daily average dust concentration over the sentinel value, all monitors reported instantaneous exceedances during the time the inversion layer occurred. Furthermore, the average dust concentration during the working hours was below the sentinel value for all monitors. There were no recorded exceedances in the afternoon until after work hours from approximately 6:00P.M. to midnight when the inversion layer formed. The elevated dust concentration for the day is attributed to area-wide meteorological conditions.

Dust Monitor Summary
East Elevated Data Summary

Texas Custodial Trust
Former Asarco Smelter
El Paso, Texas

Date	Location	Comments
1/14/2014	East	Dust suppression was implemented during working hours to manage onsite dust generation. Late evening meteorological inversion layer conditions contributed to the high daily average dust concentration exceedance. While only one monitor had a daily average dust concentration over the sentinel value, all monitors reported instantaneous exceedances during the time the inversion layer occurred. Furthermore, the average dust concentration during the working hours was below the sentinel value for all monitors. There were no recorded exceedances in the afternoon until after work hours from approximately 6:00PM to midnight when the inversion layer formed. The elevated dust concentration for the day is attributed to area-wide meteorological conditions.
1/15/2014	East	Dust suppression was implemented during working hours to manage onsite dust generation. Early morning meteorological inversion layer conditions contributed to the high daily average dust concentration exceedance. While only one monitor had a daily average dust concentration over the sentinel value, all monitors reported instantaneous exceedances during the time the inversion layer occurred. The inversion layer dissipated by noon and the average dust concentration during the working hours was below the sentinel value for all monitors. The elevated dust concentration for the day is attributed to area-wide meteorological conditions.
1/16/2014	East	Dust suppression was implemented during working hours to manage onsite dust generation. Late evening meteorological inversion layer conditions contributed to the high daily average dust concentration exceedance. While only one monitor had a daily average dust concentration over the sentinel value, all monitors reported instantaneous exceedances during the time the inversion layer occurred. Furthermore, the average dust concentration during the working hours was below the sentinel value for all monitors. There were no recorded exceedances in the afternoon until after work hours from approximately 6:00P.M. to midnight when the inversion layer formed. The elevated dust concentration for the day is attributed to area-wide meteorological conditions.
1/17/2014	East	Dust suppression was implemented during working hours to manage onsite dust generation. Early morning and evening meteorological inversion layer conditions contributed to the high daily average dust concentration exceedance. The average dust concentration during the working hours was below the sentinel value. The inversion layer dissipated by 10:00A.M., and there were no recorded exceedances in the afternoon until after work hours from approximately 6:00P.M. to midnight when the inversion layer formed again. The elevated dust concentrations for the day are attributed to area-wide meteorological conditions.
1/18/2014	East	Dust suppression was implemented during working hours to manage onsite dust generation. Early morning and evening meteorological inversion layer conditions contributed to the high daily average dust concentration exceedance. The average dust concentration during the working hours was below the sentinel value. The inversion layer dissipated by noon and there were no recorded exceedances in the afternoon until after work hours from approximately 7:00 P.M. to midnight when the inversion layer formed again. The elevated dust concentrations for the day are attributed to area-wide meteorological conditions.
1/21/2014	East	Dust suppression was implemented during working hours to manage onsite dust generation. Evening meteorological inversion layer conditions contributed to the high daily average dust concentration exceedance. All monitors reported instantaneous exceedances during the time the inversion layer occurred. The average dust concentration during the working hours was below the sentinel value for all monitors. There were no recorded exceedances in the afternoon until after work hours from approximately 5:00P.M. to midnight when the inversion layer formed. The elevated dust concentration for the day is attributed to area-wide meteorological conditions.

Dust Monitor Summary
East Elevated Data Summary

Texas Custodial Trust
Former Asarco Smelter
El Paso, Texas

Date	Location	Comments
1/22/2014	East	Dust suppression was implemented during working hours to manage onsite dust generation. Early morning and evening meteorological inversion layer conditions contributed to the high daily average dust concentration exceedance. The average dust concentration during the working hours was below the sentinel value. The inversion layer dissipated by noon and there were no recorded exceedances in the afternoon until after work hours from approximately 5:00 P.M. to midnight when the inversion layer formed again. The elevated dust concentrations for the day are attributed to area-wide meteorological conditions.
1/23/2014	East	Dust suppression was implemented during working hours to manage onsite dust generation. A high wind advisory was for the El Paso Region. Wind gusts were recorded up to 31 mph with an average wind speed at 12 mph prevailing from the east. A background dust evaluation was conducted on the elevated data using the upwind (East, Northeast and La Calavera) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the West, Northwest, and Arroyo West (downwind) locations resulted in the actual average dust generated on site to be 29 $\mu g/m^3$ which is below the site-specific sentinel value of 43 $\mu g/m^3$. The elevated dust concentrations for the day are attributed to meteorological conditions.
1/27/2014	East	Dust suppression was implemented during working hours to manage onsite dust generation. Wind gusts were recorded up to 26 mph with an average wind speed at 7 mph prevailing from the southeast. Furthermore, approximately half a day's worth of data was recorded on these monitors, which partly skews the data and makes it not fully representative of the day's activity. Irrespective of the lack of data, a background dust evaluation was conducted on the elevated data using the upwind (South, EBS E and Arroyo South) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the Northwest, Arroyo West, Arroyo North, La Calavera and EBS N (downwind) locations resulted in the actual average dust generated on site to be 14 $\mu g/m^3$ which is below the site-specific sentinel value of 43 $\mu g/m^3$. The elevated dust concentrations for the day are attributed to meteorological conditions.
1/29/2014	East	Dust suppression was implemented during working hours to manage onsite dust generation. The National Weather Service issued a Fire Weather Watch beginning in the evening until the following day. Critical fire weather conditions with increasing were present in the El Paso region in the evening. Wind gusts were recorded up to 13 mph with an average wind speed at 7 mph prevailing from the south southeast. A background dust evaluation was conducted on the elevated data using the upwind (South, EBS E and Arroyo South) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the Northwest, Arroyo West, Arroyo North, La Calavera and EBS N (downwind) locations resulted in the actual average dust generated on site to be 21 $\mu g/m^3$ which is below the site-specific sentinel value of 43 $\mu g/m^3$. The elevated dust concentrations for the day are attributed to meteorological conditions.

Dust Monitor Summary
East Elevated Data Summary

Texas Custodial Trust
Former Asarco Smelter
El Paso, Texas

Date	Location	Comments
1/30/2014	East	Dust suppression was implemented during working hours to manage onsite dust generation. The National Weather Service issued a Fire Weather Watch beginning the preceding day until the evening on January 30th. Critical fire weather conditions with increasing were present in the El Paso region throughout the day. Wind gusts were recorded up to 38 mph with an average wind speed at 15 mph prevailing from the southwest. A background dust evaluation was conducted on the elevated data using the upwind (South, West and Northwest) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the East, La Calavera and Arroyo West (downwind) locations resulted in the actual average dust generated on site to be 16 $\mu g/m^3$ which is below the site-specific sentinel value of 43 $\mu g/m^3$. The elevated dust concentrations for the day are attributed to meteorological conditions.
2/5/2014	East	Dust suppression was implemented during working hours to manage onsite dust generation. Early morning and evening meteorological inversion layer conditions contributed to the high daily average dust concentration exceedance. The average dust concentration during the working hours was below the sentinel value. The inversion layer dissipated by 5:00A.M. and reappeared at around 5:00P.M. where it remained until around 11:00P.M. The prevailing wind was from the east with a maximum wind gust speed of 23 mph and the average wind speed at 9 mph. A background dust evaluation was conducted on the elevated data using the upwind (Arroyo South, Arroyo North and EBS E) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the Arroyo West, Northwest and EBS S (downwind) locations resulted in the actual average dust generated on site to be 11 $\mu g/m^3$ which is below the site-specific sentinel value of 43 $\mu g/m^3$. The elevated dust concentrations for the day are attributed to meteorological conditions.
2/6/2014	East	Dust suppression was implemented during working hours to manage onsite dust generation. The prevailing wind was from the northeast with a maximum wind gust speed of 17 mph and the average wind speed at 6 mph. A background dust evaluation was conducted on the elevated data using the upwind (La Calavera, Arroyo South, Arroyo North and EBS E) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the Arroyo West, West, Northwest and EBS S (downwind) locations resulted in the actual average dust generated on site to be 8 $\mu g/m^3$ which is below the site-specific sentinel value of 43 $\mu g/m^3$. The elevated dust concentrations for the day are attributed to meteorological conditions.
3/19/2014	East	Dust suppression was implemented during working hours to manage onsite dust generation. The prevailing wind was from the northeast with an average wind speed at 5 mph. A background dust evaluation was conducted on the elevated data using the upwind (La Calavera, Arroyo South, Arroyo North and EBS E) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the Arroyo West, West, Northwest and EBS S (downwind) locations resulted in the actual average dust generated on site to be 34 $\mu g/m^3$ which is below the site-specific sentinel value of 43 $\mu g/m^3$. The elevated dust concentrations for the day are attributed to meteorological conditions.

Dust Monitor Summary
East Elevated Data Summary

Texas Custodial Trust
Former Asarco Smelter
El Paso, Texas

Date	Location	Comments
3/20/2014	East	Dust suppression was implemented during working hours to manage onsite dust generation. The prevailing wind was from the southwest with a maximum wind gust speed of 18 mph and the average wind speed at 4 mph. A background dust evaluation was conducted on the elevated data using the upwind (South, West and Northwest) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the La Calavera and East (downwind) locations resulted in the actual average dust generated on site to be 9 µg/m^3 which is below the site-specific sentinel value of 43 µg/m^3. The elevated dust concentrations for the day are attributed to meteorological conditions.
4/2/2014	East	A wind advisory warning was implemented for the El Paso area for April 2nd. The prevailing wind was from the southwest with a maximum wind gust speed of 45 mph and the average wind speed at 22 mph with widespread dust present beginning in the afternoon and remaining in the area until late evening hours. A background dust evaluation was conducted on the elevated data using the upwind (South and West) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the Arroyo West, East and EBS S (downwind) locations resulted in the actual average dust generated on site to be 14 µg/m^3 which is below the site-specific sentinel value of 43 µg/m^3. The elevated dust concentrations for the day are attributed to meteorological conditions.
4/26/2014	East	A wind advisory warning was implemented for the El Paso area for April 25th and 26th. The prevailing wind was from the southwest with a maximum wind gust speed of 55 mph and the average wind speed at 23 mph with widespread dust present beginning in the afternoon and remaining in the area until late evening hours. A background dust evaluation was conducted on the elevated data using the upwind (South and West) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the Arroyo West, East and EBS S (downwind) locations resulted in the actual average dust generated on site to be 5 µg/m^3 which is below the site-specific sentinel value of 43 µg/m^3. The elevated dust concentrations for the day are attributed to meteorological conditions.
5/6/2014	East	A wind advisory warning was issued May 6th from the afternoon to evening hours. The prevailing wind was from the southwest with a maximum wind gust speed of 63 mph and the average wind speed at 10 mph with widespread dust present beginning in the afternoon and remaining in the area until evening hours. A background dust evaluation was conducted on the elevated data using the upwind (West and South) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the Arroyo West and East (downwind) locations resulted in the actual average dust generated on site to be 19 µg/m^3 which is below the site-specific sentinel value of 43 µg/m^3. The elevated dust concentrations for the day are attributed to meteorological conditions.
5/7/2014	East	A wind advisory warning was issued May 7th from the early morning to evening hours. The prevailing wind was from the southwest with a maximum wind gust speed of 63 mph and the average wind speed at 10 mph with widespread dust present beginning in the afternoon and remaining in the area until evening hours. A background dust evaluation was conducted on the elevated data using the upwind (West and South) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the Arroyo West and East (downwind) locations resulted in the actual average dust generated on site to be 26 µg/m^3 which is below the site-specific sentinel value of 43 µg/m^3. The elevated dust concentrations for the day are attributed to meteorological conditions.

Dust Monitor Summary
East Elevated Data Summary

Texas Custodial Trust
Former Asarco Smelter
El Paso, Texas

Date	Location	Comments
6/13/2014	East	The prevailing wind was from the southeast with a maximum wind gust speed of 55 mph and an average wind speed at 43 mph. A background dust evaluation was conducted on the elevated data using the upwind (South, Northeast and Arroyo South) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the Arroyo West and Northwest and West (downwind) locations resulted in the actual average dust generated on site to be 9 µg/m^3 which is below the site-specific sentinel value of 43 µg/m^3. The elevated dust concentrations for the day are attributed to meteorological conditions.

Dust Monitor Summary
Calavera Elevated Data Summary

Texas Custodial Trust
Former Asarco Smelter
El Paso, Texas

Date	Location	Comments
5/2/2013	Calavera	Dust suppression was implemented to manage onsite dust generation. The National Weather Service issued a wind advisory for the El Paso region. Gusty winds were present with colder temperatures. Winds in the El Paso region were from the east northeast with sustained winds of up to 27 mph with wind gusts up to 45 mph. A background dust evaluation was conducted on the elevated data using the upwind (Calavera) location. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the West (downwind) location resulted in the actual average dust generated on site to be 3 µg/m^3 which is below the site-specific sentinel value of 43 µg/m^3. The elevated dust concentrations for the day are attributed to meteorological conditions.
11/12/2013	Calavera	Dust suppression was implemented during working hours to manage onsite dust generation. A high wind advisory was issued by the National Weather Service for the El Paso region. Winds and widespread dust were present between 12:00PM and 5:00PM in the area surrounding the site. High winds prevailed from the northeast. A background dust evaluation was conducted on the elevated data using the upwind (Arroyo North, Arroyo South and Northeast and EBS N) locations. Subtracting the daily average background dust concentration at the upwind locations from the daily average dust concentration for the West and EBS S (downwind) locations resulted in the actual average dust generated on site to be 8 µg/m^3 which is below the site-specific sentinel value of 43 µg/m^3. Most monitors located in the northeastern part of the property had elevated dust readings throughout the day with the La Calavera monitor which is closest to the northeastern property line showing the highest daily average concentration. The elevated dust concentrations for the day are attributed to offsite conditions.
12/14/2013	Calavera	Atmospheric inversions trap particulate matter in the air over the mountain basin in which El Paso is located. Stagnant air accumulates during the fall and winter months and inversions form most frequently in December, December, and January when there are long nights and short days. Since there is minimal moisture in the El Paso desert atmosphere during this time of year, strong nighttime cooling occurs under the clear skies. The air near the surface of the earth cools more rapidly than the air above, and forms a nighttime inversion which traps particulate matter. During the morning, the strong desert heating begins to break the inversion around noon. Early morning and evening meteorological inversion layer conditions contributed to the high daily average dust concentration exceedance. The average dust concentration during the working hours was below the sentinel value. The inversion layer dissipated by noon and there were no recorded exceedances in the afternoon until after work hours from approximately 6:00PM to 11:00PM when the inversion layer formed again. Dust suppression was implemented as necessary during working hours. The elevated dust concentrations for the day are attributed to area wide meteorological conditions.
1/22/2014	Calavera	Dust suppression was implemented during working hours to manage onsite dust generation. Early morning and evening meteorological inversion layer conditions contributed to the high daily average dust concentration exceedance. The average dust concentration during the working hours was below the sentinel value. The inversion layer dissipated by noon and there were no recorded exceedances in the afternoon until after work hours from approximately 5:00 P.M. to midnight when the inversion layer formed again. The elevated dust concentrations for the day are attributed to area-wide meteorological conditions.

Dust Monitor Summary
Calavera Elevated Data Summary

Texas Custodial Trust
Former Asarco Smelter
El Paso, Texas

Date	Location	Comments
1/23/2014	Calavera	Dust suppression was implemented during working hours to manage onsite dust generation. A high wind advisory was for the El Paso Region. Wind gusts were recorded up to 31 mph with an average wind speed at 12 mph prevailing from the east. A background dust evaluation was conducted on the elevated data using the upwind (East, Northeast and La Calavera) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the West, Northwest, and Arroyo West (downwind) locations resulted in the actual average dust generated on site to be 29 $\mu g/m^3$ which is below the site-specific sentinel value of 43 $\mu g/m^3$. The elevated dust concentrations for the day are attributed to meteorological conditions.
1/29/2014	Calavera	Dust suppression was implemented during working hours to manage onsite dust generation. The National Weather Service issued a Fire Weather Watch beginning in the evening until the following day. Critical fire weather conditions with increasing were present in the El Paso region in the evening. Wind gusts were recorded up to 13 mph with an average wind speed at 7 mph prevailing from the south southeast. A background dust evaluation was conducted on the elevated data using the upwind (South, EBS E and Arroyo South) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the Northwest, Arroyo West, Arroyo North, La Calavera and EBS N (downwind) locations resulted in the actual average dust generated on site to be 21 $\mu g/m^3$ which is below the site-specific sentinel value of 43 $\mu g/m^3$. The elevated dust concentrations for the day are attributed to meteorological conditions.
3/19/2014	Calavera	Dust suppression was implemented during working hours to manage onsite dust generation. The prevailing wind was from the northeast with an average wind speed at 5 mph. A background dust evaluation was conducted on the elevated data using the upwind (La Calavera, Arroyo South, Arroyo North and EBS E) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the Arroyo West, West, Northwest and EBS S (downwind) locations resulted in the actual average dust generated on site to be 34 $\mu g/m^3$ which is below the site-specific sentinel value of 43 $\mu g/m^3$. The elevated dust concentrations for the day are attributed to meteorological conditions.
3/20/2014	Calavera	Dust suppression was implemented during working hours to manage onsite dust generation. The prevailing wind was from the southwest with a maximum wind gust speed of 18 mph and the average wind speed at 4 mph. A background dust evaluation was conducted on the elevated data using the upwind (South, West and Northwest) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the La Calavera and East (downwind) locations resulted in the actual average dust generated on site to be 9 $\mu g/m^3$ which is below the site-specific sentinel value of 43 $\mu g/m^3$. The elevated dust concentrations for the day are attributed to meteorological conditions.
4/26/2014	Calavera	A wind advisory warning was implemented for the El Paso area for April 25th and 26th. The prevailing wind was from the southwest with a maximum wind gust speed of 55 mph and the average wind speed at 23 mph with widespread dust present beginning in the afternoon and remaining in the area until late evening hours. A background dust evaluation was conducted on the elevated data using the upwind (South and West) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the Arroyo West, East and EBS S (downwind) locations resulted in the actual average dust generated on site to be 5 $\mu g/m^3$ which is below the site-specific sentinel value of 43 $\mu g/m^3$. The elevated dust concentrations for the day are attributed to meteorological conditions.

Dust Monitor Summary
Arroyo West Elevated Data Summary

Texas Custodial Trust
Former Asarco Smelter
El Paso, Texas

Date	Location	Comments
6/29/2013	Arroyo West	Dust suppression was implemented during working hours to manage onsite dust generation. Winds prevailed from the south southeast averaging 7 mph with gusts up to 33 mph. A background dust evaluation was conducted on the elevated data using the upwind (South) location. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the East (downwind) locations resulted in the actual average dust generated on site to be 9 µg/m^3 which is below the site-specific sentinel value of 43 µg/m^3. The elevated dust concentrations for the day are attributed to meteorological conditions.
11/26/2013	Arroyo West	Dust suppression was implemented during working hours to manage onsite dust generation. Early morning and evening meteorological inversion layer conditions contributed to the high daily average dust concentration exceedance. The average dust concentration during the working hours was below the sentinel value. The inversion layer was present in the early morning hours and dissipated by noon and there were no recorded exceedances until after work hours from approximately 6:00PM to 11:00PM when the inversion layer formed again. The elevated dust concentrations for the day are attributed to area wide meteorological conditions.
12/14/2013	Arroyo West	Atmospheric inversions trap particulate matter in the air over the mountain basin in which El Paso is located. Stagnant air accumulates during the fall and winter months and inversions form most frequently in December, December, and January when there are long nights and short days. Since there is minimal moisture in the El Paso desert atmosphere during this time of year, strong nighttime cooling occurs under the clear skies. The air near the surface of the earth cools more rapidly than the air above, and forms a nighttime inversion which traps particulate matter. During the morning, the strong desert heating begins to break the inversion around noon. Early morning and evening meteorological inversion layer conditions contributed to the high daily average dust concentration exceedance. The average dust concentration during the working hours was below the sentinel value. The inversion layer dissipated by noon and there were no recorded exceedances in the afternoon until after work hours from approximately 6:00PM to 11:00PM when the inversion layer formed again. Dust suppression was implemented as necessary during working hours. The elevated dust concentrations for the day are attributed to area wide meteorological conditions.
1/17/2014	Arroyo West	Dust suppression was implemented during working hours to manage onsite dust generation. Early morning and evening meteorological inversion layer conditions contributed to the high daily average dust concentration exceedance. The average dust concentration during the working hours was below the sentinel value. The inversion layer dissipated by 10:00A.M., and there were no recorded exceedances in the afternoon until after work hours from approximately 6:00P.M. to midnight when the inversion layer formed again. The elevated dust concentrations for the day are attributed to area-wide meteorological conditions.
1/18/2014	Arroyo West	Dust suppression was implemented during working hours to manage onsite dust generation. Early morning and evening meteorological inversion layer conditions contributed to the high daily average dust concentration exceedance. The average dust concentration during the working hours was below the sentinel value. The inversion layer dissipated by noon and there were no recorded exceedances in the afternoon until after work hours from approximately 7:00 P.M. to midnight when the inversion layer formed again. The elevated dust concentrations for the day are attributed to area-wide meteorological conditions.

Dust Monitor Summary
Arroyo West Elevated Data Summary

Texas Custodial Trust
Former Asarco Smelter
El Paso, Texas

Date	Location	Comments
1/22/2014	Arroyo West	Dust suppression was implemented during working hours to manage onsite dust generation. Early morning and evening meteorological inversion layer conditions contributed to the high daily average dust concentration exceedance. The average dust concentration during the working hours was below the sentinel value. The inversion layer dissipated by noon and there were no recorded exceedances in the afternoon until after work hours from approximately 5:00 P.M. to midnight when the inversion layer formed again. The elevated dust concentrations for the day are attributed to area-wide meteorological conditions.
1/29/2014	Arroyo West	Dust suppression was implemented during working hours to manage onsite dust generation. The National Weather Service issued a Fire Weather Watch beginning in the evening until the following day. Critical fire weather conditions with increasing were present in the El Paso region in the evening. Wind gusts were recorded up to 13 mph with an average wind speed at 7 mph prevailing from the south southeast. A background dust evaluation was conducted on the elevated data using the upwind (South, EBS E and Arroyo South) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the Northwest, Arroyo West, Arroyo North, La Calavera and EBS N (downwind) locations resulted in the actual average dust generated on site to be 21 $\mu g/m^3$ which is below the site-specific sentinel value of 43 $\mu g/m^3$. The elevated dust concentrations for the day are attributed to meteorological conditions.
3/12/2014	Arroyo West	Dust suppression was implemented during working hours to manage onsite dust generation. A wind advisory warning was implemented for the El Paso area for March 11th through March 12th. The prevailing wind was from the northeast with a maximum wind gust speed of 31 mph and the average wind speed at 13 mph with widespread dust present in the early morning hours. As previously indicated, the MP-1 and MP-10 monitors recorded half a day's worth of data during this time period and subsequent dust concentrations for this day are not representative daily average dust concentrations. However, a background dust evaluation was conducted on the elevated data using the upwind (La Calavera, Arroyo South, Arroyo North and EBS E) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the Arroyo West, West, Northwest and EBS S (downwind) locations resulted in the actual average dust generated on site to be 23 $\mu g/m^3$ which is below the site-specific sentinel value of 43 $\mu g/m^3$. The elevated dust concentrations for the day are attributed to meteorological conditions.
3/13/2014	Arroyo West	Dust suppression was implemented during working hours to manage onsite dust generation. The prevailing wind was from the northeast with an average wind speed at 5 mph. The MP-1 and MP-10 monitors recorded half a day's worth of data during this time period as previously indicated and subsequent dust concentrations for this day are not representative daily average dust concentrations. However, a background dust evaluation was conducted on the elevated data using the upwind (La Calavera, Arroyo South, Arroyo North and EBS E) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the Arroyo West, West, Northwest and EBS S (downwind) locations resulted in the actual average dust generated on site to be 23 $\mu g/m^3$ which is below the site-specific sentinel value of 43 $\mu g/m^3$. The elevated dust concentrations for the day are attributed to meteorological conditions.

Dust Monitor Summary
Arroyo West Elevated Data Summary

Texas Custodial Trust
Former Asarco Smelter
El Paso, Texas

Date	Location	Comments
3/19/2014	Arroyo West	Dust suppression was implemented during working hours to manage onsite dust generation. The prevailing wind was from the northeast with an average wind speed at 5 mph. A background dust evaluation was conducted on the elevated data using the upwind (La Calavera, Arroyo South, Arroyo North and EBS E) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the Arroyo West, West, Northwest and EBS S (downwind) locations resulted in the actual average dust generated on site to be 34 µg/m^3 which is below the site-specific sentinel value of 43 µg/m^3. The elevated dust concentrations for the day are attributed to meteorological conditions.
3/20/2014	Arroyo West	Dust suppression was implemented during working hours to manage onsite dust generation. The prevailing wind was from the southwest with a maximum wind gust speed of 18 mph and the average wind speed at 4 mph. A background dust evaluation was conducted on the elevated data using the upwind (South, West and Northwest) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the La Calavera and East (downwind) locations resulted in the actual average dust generated on site to be 9 µg/m^3 which is below the site-specific sentinel value of 43 µg/m^3. The elevated dust concentrations for the day are attributed to meteorological conditions.
4/2/2014	Arroyo West	A wind advisory warning was implemented for the El Paso area for April 2nd. The prevailing wind was from the southwest with a maximum wind gust speed of 45 mph and the average wind speed at 22 mph with widespread dust present beginning in the afternoon and remaining in the area until late evening hours. A background dust evaluation was conducted on the elevated data using the upwind (South and West) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the Arroyo West, East and EBS S (downwind) locations resulted in the actual average dust generated on site to be 14 µg/m^3 which is below the site-specific sentinel value of 43 µg/m^3. The elevated dust concentrations for the day are attributed to meteorological conditions.
4/26/2014	Arroyo West	A wind advisory warning was implemented for the El Paso area for April 25th and 26th. The prevailing wind was from the southwest with a maximum wind gust speed of 55 mph and the average wind speed at 23 mph with widespread dust present beginning in the afternoon and remaining in the area until late evening hours. A background dust evaluation was conducted on the elevated data using the upwind (South and West) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the Arroyo West, East and EBS S (downwind) locations resulted in the actual average dust generated on site to be 5 µg/m^3 which is below the site-specific sentinel value of 43 µg/m^3. The elevated dust concentrations for the day are attributed to meteorological conditions.
5/7/2014	Arroyo West	A wind advisory warning was issued May 7th from the early morning to evening hours. The prevailing wind was from the southwest with a maximum wind gust speed of 63 mph and the average wind speed at 10 mph with widespread dust present beginning in the afternoon and remaining in the area until evening hours. A background dust evaluation was conducted on the elevated data using the upwind (West and South) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the Arroyo West and East (downwind) locations resulted in the actual average dust generated on site to be 26 µg/m^3 which is below the site-specific sentinel value of 43 µg/m^3. The elevated dust concentrations for the day are attributed to meteorological conditions.

Dust Monitor Summary
Arroyo South Elevated Data Summary

Texas Custodial Trust
Former Asarco Smelter
El Paso, Texas

Date	Location	Comments
6/6/2013	Arroyo South	Dust suppression was implemented during working hours to manage onsite dust generation. Gusty winds and widespread dust were present after 8:00 PM in the El Paso region. High winds prevailed from the east with gusts up to 40 miles per hour (mph) and maximum sustained wind speeds of 35 mph. A background dust evaluation was conducted on the elevated data using the upwind (East, North East, Arroyo South and Arroyo North) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the West, Arroyo West and North West (downwind) locations resulted in the actual average dust generated on site to be 16 µg/m^3 which is below the site-specific sentinel value of 43 µg/m^3. The elevated dust concentrations for the day are attributed to meteorological conditions.
6/24/2013	Arroyo South	Dust suppression was implemented during working hours to manage onsite dust generation. Rain showers and thunderstorms were present in the evening with winds prevailing from the west southwest at an average speed of 9 mph and wind gusts up to 33 mph. A background dust evaluation was conducted on the elevated data using the upwind (South and North West) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the North East and La Calavera (downwind) locations resulted in the actual average dust generated on site to be 10 µg/m^3 which is below the site-specific sentinel value of 43 µg/m^3. The elevated dust concentrations for the day are attributed to meteorological conditions.
4/26/2014	Arroyo South	A wind advisory warning was implemented for the El Paso area for April 25th and 26th. The prevailing wind was from the southwest with a maximum wind gust speed of 55 mph and the average wind speed at 23 mph with widespread dust present beginning in the afternoon and remaining in the area until late evening hours. A background dust evaluation was conducted on the elevated data using the upwind (South and West) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the Arroyo West, East and EBS S (downwind) locations resulted in the actual average dust generated on site to be 5 µg/m^3 which is below the site-specific sentinel value of 43 µg/m^3. The elevated dust concentrations for the day are attributed to meteorological conditions.

Dust Monitor Summary
Arroyo North Elevated Data Summary

Texas Custodial Trust
Former Asarco Smelter
El Paso, Texas

Date	Location	Comments
6/24/2013	Arroyo North	Dust suppression was implemented during working hours to manage onsite dust generation. Rain showers and thunderstorms were present in the evening with winds prevailing from the west southwest at an average speed of 9 mph and wind gusts up to 33 mph. A background dust evaluation was conducted on the elevated data using the upwind (South and North West) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the North East and La Calavera (downwind) locations resulted in the actual average dust generated on site to be 10 µg/m^3 which is below the site-specific sentinel value of 43 µg/m^3. The elevated dust concentrations for the day are attributed to meteorological conditions.
1/22/2014	Arroyo North	Dust suppression was implemented during working hours to manage onsite dust generation. Early morning and evening meteorological inversion layer conditions contributed to the high daily average dust concentration exceedance. The average dust concentration during the working hours was below the sentinel value. The inversion layer dissipated by noon and there were no recorded exceedances in the afternoon until after work hours from approximately 5:00 P.M. to midnight when the inversion layer formed again. The elevated dust concentrations for the day are attributed to area-wide meteorological conditions.
1/29/2014	Arroyo North	Dust suppression was implemented during working hours to manage onsite dust generation. The National Weather Service issued a Fire Weather Watch beginning in the evening until the following day. Critical fire weather conditions with increasing were present in the El Paso region in the evening. Wind gusts were recorded up to 13 mph with an average wind speed at 7 mph prevailing from the south southeast. A background dust evaluation was conducted on the elevated data using the upwind (South, EBS E and Arroyo South) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the Northwest, Arroyo West, Arroyo North, La Calavera and EBS N (downwind) locations resulted in the actual average dust generated on site to be 21 µg/m^3 which is below the site-specific sentinel value of 43 µg/m^3. The elevated dust concentrations for the day are attributed to meteorological conditions.
3/19/2014	Arroyo North	Dust suppression was implemented during working hours to manage onsite dust generation. The prevailing wind was from the northeast with an average wind speed at 5 mph. A background dust evaluation was conducted on the elevated data using the upwind (La Calavera, Arroyo South, Arroyo North and EBS E) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the Arroyo West, West, Northwest and EBS S (downwind) locations resulted in the actual average dust generated on site to be 34 µg/m^3 which is below the site-specific sentinel value of 43 µg/m^3. The elevated dust concentrations for the day are attributed to meteorological conditions.
4/26/2014	Arroyo North	A wind advisory warning was implemented for the El Paso area for April 25th and 26th. The prevailing wind was from the southwest with a maximum wind gust speed of 55 mph and the average wind speed at 23 mph with widespread dust present beginning in the afternoon and remaining in the area until late evening hours. A background dust evaluation was conducted on the elevated data using the upwind (South and West) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the Arroyo West, East and EBS S (downwind) locations resulted in the actual average dust generated on site to be 5 µg/m^3 which is below the site-specific sentinel value of 43 µg/m^3. The elevated dust concentrations for the day are attributed to meteorological conditions.

Dust Monitor Summary
East Borrow Source North Elevated Data Summary

Texas Custodial Trust
Former Asarco Smelter
El Paso, Texas

Date	Location	Comments
1/22/2014	EBS N	Dust suppression was implemented during working hours to manage onsite dust generation. Early morning and evening meteorological inversion layer conditions contributed to the high daily average dust concentration exceedance. The average dust concentration during the working hours was below the sentinel value. The inversion layer dissipated by noon and there were no recorded exceedances in the afternoon until after work hours from approximately 5:00 P.M. to midnight when the inversion layer formed again. The elevated dust concentrations for the day are attributed to area-wide meteorological conditions.
1/29/2014	EBS N	Dust suppression was implemented during working hours to manage onsite dust generation. The National Weather Service issued a Fire Weather Watch beginning in the evening until the following day. Critical fire weather conditions with increasing were present in the El Paso region in the evening. Wind gusts were recorded up to 13 mph with an average wind speed at 7 mph prevailing from the south southeast. A background dust evaluation was conducted on the elevated data using the upwind (South, EBS E and Arroyo South) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the Northwest, Arroyo West, Arroyo North, La Calavera and EBS N (downwind) locations resulted in the actual average dust generated on site to be 21 $\mu g/m^3$ which is below the site-specific sentinel value of 43 $\mu g/m^3$. The elevated dust concentrations for the day are attributed to meteorological conditions.
3/19/2014	EBS N	Dust suppression was implemented during working hours to manage onsite dust generation. The prevailing wind was from the northeast with an average wind speed at 5 mph. A background dust evaluation was conducted on the elevated data using the upwind (La Calavera, Arroyo South, Arroyo North and EBS E) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the Arroyo West, West, Northwest and EBS S (downwind) locations resulted in the actual average dust generated on site to be 34 $\mu g/m^3$ which is below the site-specific sentinel value of 43 $\mu g/m^3$. The elevated dust concentrations for the day are attributed to meteorological conditions.
3/20/2014	EBS N	Dust suppression was implemented during working hours to manage onsite dust generation. The prevailing wind was from the southwest with a maximum wind gust speed of 18 mph and the average wind speed at 4 mph. A background dust evaluation was conducted on the elevated data using the upwind (South, West and Northwest) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the La Calavera and East (downwind) locations resulted in the actual average dust generated on site to be 9 $\mu g/m^3$ which is below the site-specific sentinel value of 43 $\mu g/m^3$. The elevated dust concentrations for the day are attributed to meteorological conditions.
4/26/2014	EBS N	A wind advisory warning was implemented for the El Paso area for April 25th and 26th. The prevailing wind was from the southwest with a maximum wind gust speed of 55 mph and the average wind speed at 23 mph with widespread dust present beginning in the afternoon and remaining in the area until late evening hours. A background dust evaluation was conducted on the elevated data using the upwind (South and West) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the Arroyo West, East and EBS S (downwind) locations resulted in the actual average dust generated on site to be 5 $\mu g/m^3$ which is below the site-specific sentinel value of 43 $\mu g/m^3$. The elevated dust concentrations for the day are attributed to meteorological conditions.

Dust Monitor Summary
East Borrow Source South Elevated Data Summary

Texas Custodial Trust
Former Asarco Smelter
El Paso, Texas

Date	Location	Comments
11/26/2013	EBS S	Dust suppression was implemented during working hours to manage onsite dust generation. Early morning and evening meteorological inversion layer conditions contributed to the high daily average dust concentration exceedance. The average dust concentration during the working hours was below the sentinel value. The inversion layer was present in the early morning hours and dissipated by noon and there were no recorded exceedances until after work hours from approximately 6:00PM to 11:00PM when the inversion layer formed again. The elevated dust concentrations for the day are attributed to area wide meteorological conditions.
1/18/2014	EBS S	Dust suppression was implemented during working hours to manage onsite dust generation. Early morning and evening meteorological inversion layer conditions contributed to the high daily average dust concentration exceedance. The average dust concentration during the working hours was below the sentinel value. The inversion layer dissipated by noon and there were no recorded exceedances in the afternoon until after work hours from approximately 7:00 P.M. to midnight when the inversion layer formed again. The elevated dust concentrations for the day are attributed to area-wide meteorological conditions.
1/22/2014	EBS S	Dust suppression was implemented during working hours to manage onsite dust generation. Early morning and evening meteorological inversion layer conditions contributed to the high daily average dust concentration exceedance. The average dust concentration during the working hours was below the sentinel value. The inversion layer dissipated by noon and there were no recorded exceedances in the afternoon until after work hours from approximately 5:00 P.M. to midnight when the inversion layer formed again. The elevated dust concentrations for the day are attributed to area-wide meteorological conditions.
1/27/2014	EBS S	Dust suppression was implemented during working hours to manage onsite dust generation. Wind gusts were recorded up to 26 mph with an average wind speed at 7 mph prevailing from the southeast. Furthermore, approximately half a day's worth of data was recorded on these monitors, which partly skews the data and makes it not fully representative of the day's activity. Irrespective of the lack of data, a background dust evaluation was conducted on the elevated data using the upwind (South, EBS E and Arroyo South) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the Northwest, Arroyo West, Arroyo North, La Calavera and EBS N (downwind) locations resulted in the actual average dust generated on site to be 14 $\mu g/m^3$ which is below the site-specific sentinel value of 43 $\mu g/m^3$. The elevated dust concentrations for the day are attributed to meteorological conditions.
1/29/2014	EBS S	Dust suppression was implemented during working hours to manage onsite dust generation. The National Weather Service issued a Fire Weather Watch beginning in the evening until the following day. Critical fire weather conditions with increasing were present in the El Paso region in the evening. Wind gusts were recorded up to 13 mph with an average wind speed at 7 mph prevailing from the south southeast. A background dust evaluation was conducted on the elevated data using the upwind (South, EBS E and Arroyo South) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the Northwest, Arroyo West, Arroyo North, La Calavera and EBS N (downwind) locations resulted in the actual average dust generated on site to be 21 $\mu g/m^3$ which is below the site-specific sentinel value of 43 $\mu g/m^3$. The elevated dust concentrations for the day are attributed to meteorological conditions.

Dust Monitor Summary
East Borrow Source South Elevated Data Summary

Texas Custodial Trust
Former Asarco Smelter
El Paso, Texas

Date	Location	Comments
3/19/2014	EBS S	Dust suppression was implemented during working hours to manage onsite dust generation. The prevailing wind was from the northeast with an average wind speed at 5 mph. A background dust evaluation was conducted on the elevated data using the upwind (La Calavera, Arroyo South, Arroyo North and EBS E) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the Arroyo West, West, Northwest and EBS S (downwind) locations resulted in the actual average dust generated on site to be 34 µg/m^3 which is below the site-specific sentinel value of 43 µg/m^3. The elevated dust concentrations for the day are attributed to meteorological conditions.
3/20/2014	EBS S	Dust suppression was implemented during working hours to manage onsite dust generation. The prevailing wind was from the southwest with a maximum wind gust speed of 18 mph and the average wind speed at 4 mph. A background dust evaluation was conducted on the elevated data using the upwind (South, West and Northwest) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the La Calavera and East (downwind) locations resulted in the actual average dust generated on site to be 9 µg/m^3 which is below the site-specific sentinel value of 43 µg/m^3. The elevated dust concentrations for the day are attributed to meteorological conditions.
4/2/2014	EBS S	A wind advisory warning was implemented for the El Paso area for April 2nd. The prevailing wind was from the southwest with a maximum wind gust speed of 45 mph and the average wind speed at 22 mph with widespread dust present beginning in the afternoon and remaining in the area until late evening hours. A background dust evaluation was conducted on the elevated data using the upwind (South and West) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the Arroyo West, East and EBS S (downwind) locations resulted in the actual average dust generated on site to be 14 µg/m^3 which is below the site-specific sentinel value of 43 µg/m^3. The elevated dust concentrations for the day are attributed to meteorological conditions.
4/26/2014	EBS S	A wind advisory warning was implemented for the El Paso area for April 25th and 26th. The prevailing wind was from the southwest with a maximum wind gust speed of 55 mph and the average wind speed at 23 mph with widespread dust present beginning in the afternoon and remaining in the area until late evening hours. A background dust evaluation was conducted on the elevated data using the upwind (South and West) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the Arroyo West, East and EBS S (downwind) locations resulted in the actual average dust generated on site to be 5 µg/m^3 which is below the site-specific sentinel value of 43 µg/m^3. The elevated dust concentrations for the day are attributed to meteorological conditions.

Dust Monitor Summary
East Borrow Source East Elevated Data Summary

Texas Custodial Trust
Former Asarco Smelter
El Paso, Texas

Date	Location	Comments
1/22/2014	EBS E	Dust suppression was implemented during working hours to manage onsite dust generation. Early morning and evening meteorological inversion layer conditions contributed to the high daily average dust concentration exceedance. The average dust concentration during the working hours was below the sentinel value. The inversion layer dissipated by noon and there were no recorded exceedances in the afternoon until after work hours from approximately 5:00 P.M. to midnight when the inversion layer formed again. The elevated dust concentrations for the day are attributed to area-wide meteorological conditions.
1/29/2014	EBS E	Dust suppression was implemented during working hours to manage onsite dust generation. The National Weather Service issued a Fire Weather Watch beginning in the evening until the following day. Critical fire weather conditions with increasing were present in the El Paso region in the evening. Wind gusts were recorded up to 13 mph with an average wind speed at 7 mph prevailing from the south southeast. A background dust evaluation was conducted on the elevated data using the upwind (South, EBS E and Arroyo South) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the Northwest, Arroyo West, Arroyo North, La Calavera and EBS N (downwind) locations resulted in the actual average dust generated on site to be 21 $\mu g/m^3$ which is below the site-specific sentinel value of 43 $\mu g/m^3$. The elevated dust concentrations for the day are attributed to meteorological conditions.
3/19/2014	EBS E	Dust suppression was implemented during working hours to manage onsite dust generation. The prevailing wind was from the northeast with an average wind speed at 5 mph. A background dust evaluation was conducted on the elevated data using the upwind (La Calavera, Arroyo South, Arroyo North and EBS E) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the Arroyo West, West, Northwest and EBS S (downwind) locations resulted in the actual average dust generated on site to be 34 $\mu g/m^3$ which is below the site-specific sentinel value of 43 $\mu g/m^3$. The elevated dust concentrations for the day are attributed to meteorological conditions.
3/20/2014	EBS E	Dust suppression was implemented during working hours to manage onsite dust generation. The prevailing wind was from the southwest with a maximum wind gust speed of 18 mph and the average wind speed at 4 mph. A background dust evaluation was conducted on the elevated data using the upwind (South, West and Northwest) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the La Calavera and East (downwind) locations resulted in the actual average dust generated on site to be 9 $\mu g/m^3$ which is below the site-specific sentinel value of 43 $\mu g/m^3$. The elevated dust concentrations for the day are attributed to meteorological conditions.
3/22/2014	EBS E	Dust suppression was implemented during working hours to manage onsite dust generation. The prevailing wind was from the west with a maximum wind gust speed of 34 mph and the average wind speed at 9 mph. A background dust evaluation was conducted on the elevated data using the upwind (EBS S, Northwest and West) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the EBS E and East (downwind) locations resulted in the actual average dust generated on site to be 16 $\mu g/m^3$ which is below the site-specific sentinel value of 43 $\mu g/m^3$. The elevated dust concentrations for the day are attributed to meteorological conditions.

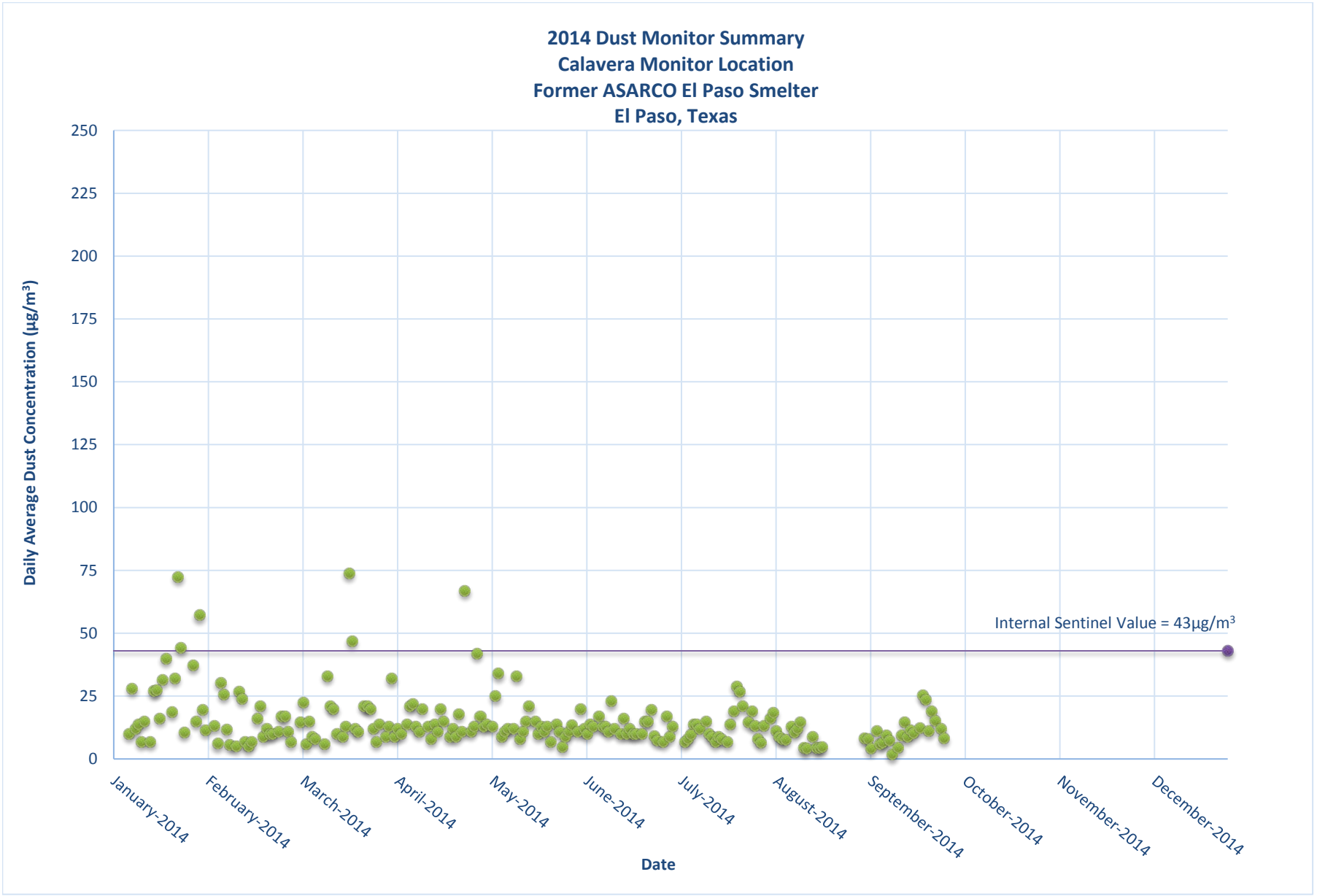
Dust Monitor Summary
East Borrow Source East Elevated Data Summary

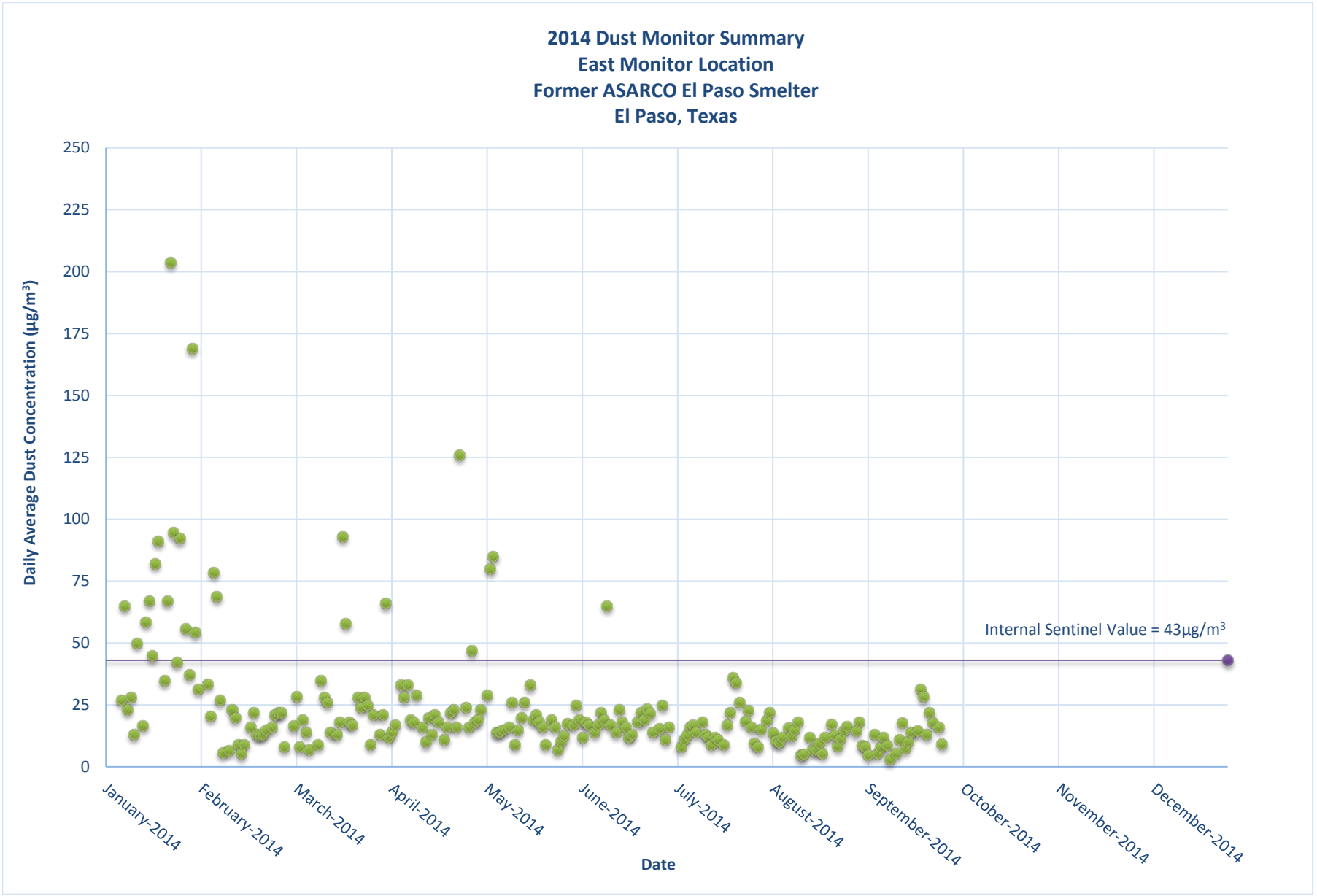
Texas Custodial Trust
Former Asarco Smelter
El Paso, Texas

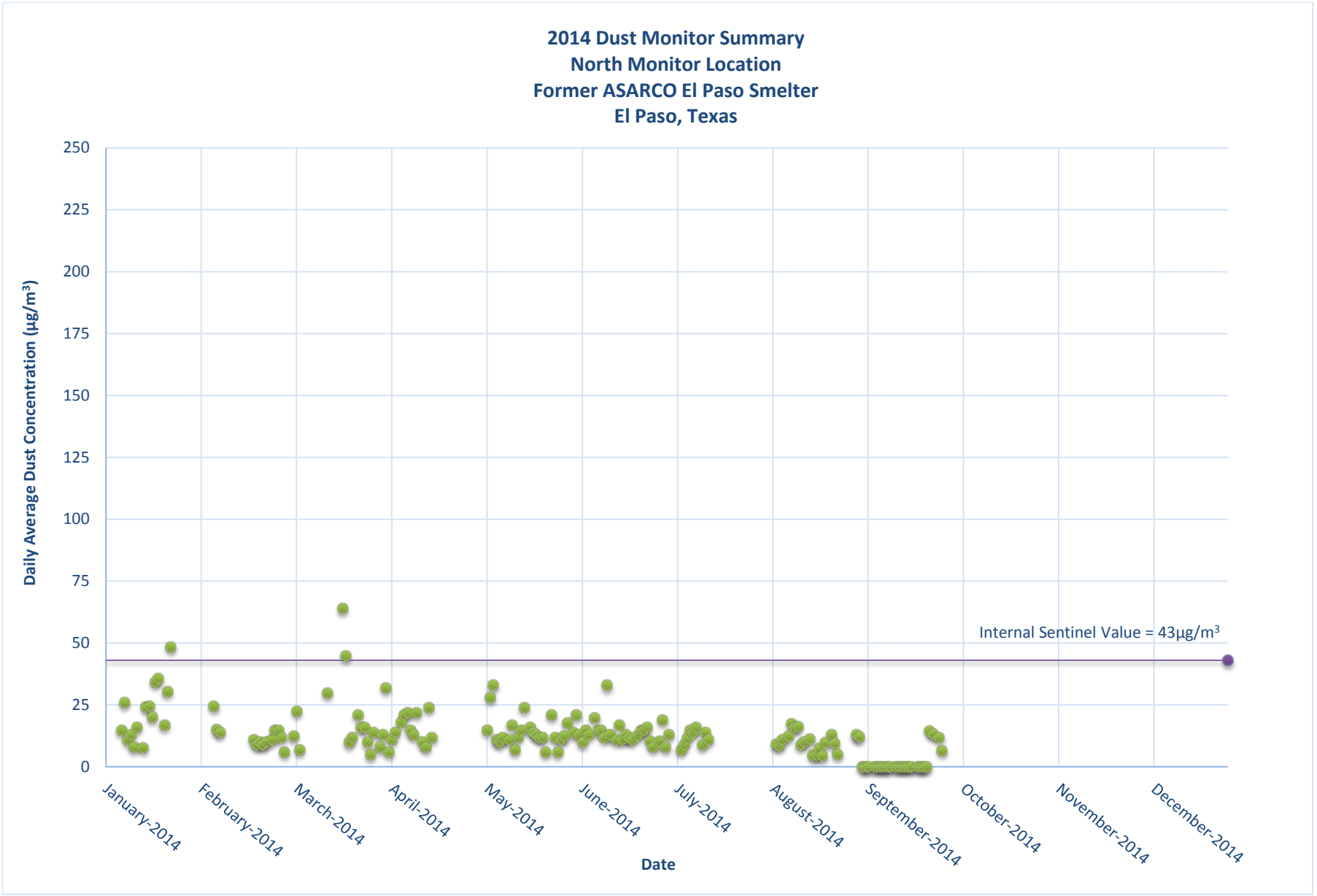
Date	Location	Comments
4/26/2014	EBS E	A wind advisory warning was implemented for the El Paso area for April 25th and 26th. The prevailing wind was from the southwest with a maximum wind gust speed of 55 mph and the average wind speed at 23 mph with widespread dust present beginning in the afternoon and remaining in the area until late evening hours. A background dust evaluation was conducted on the elevated data using the upwind (South and West) locations. Subtracting the daily average background dust concentration at the upwind location from the daily average dust concentration for the Arroyo West, East and EBS S (downwind) locations resulted in the actual average dust generated on site to be 5 µg/m^3 which is below the site-specific sentinel value of 43 µg/m^3. The elevated dust concentrations for the day are attributed to meteorological conditions.

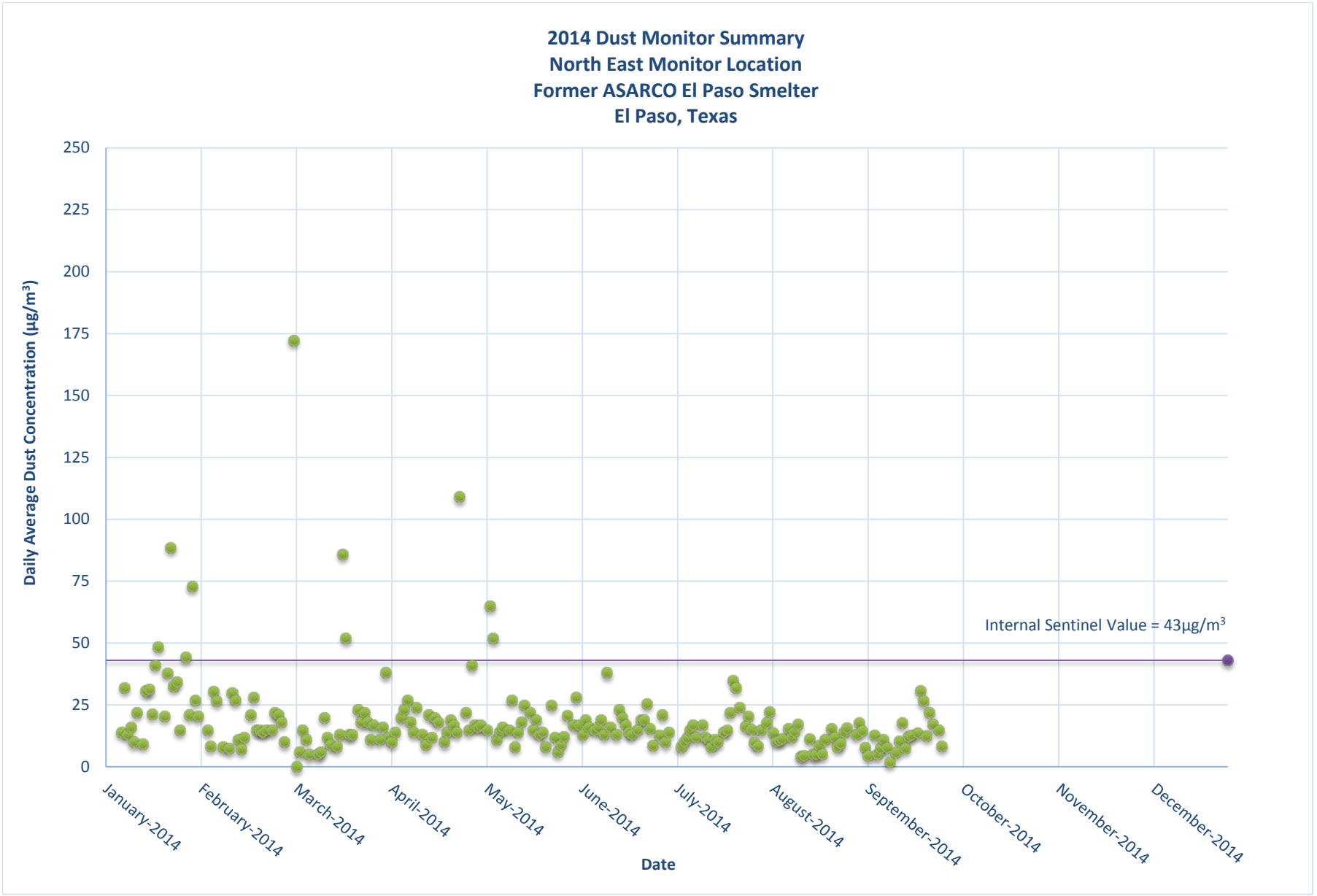
Attachment D

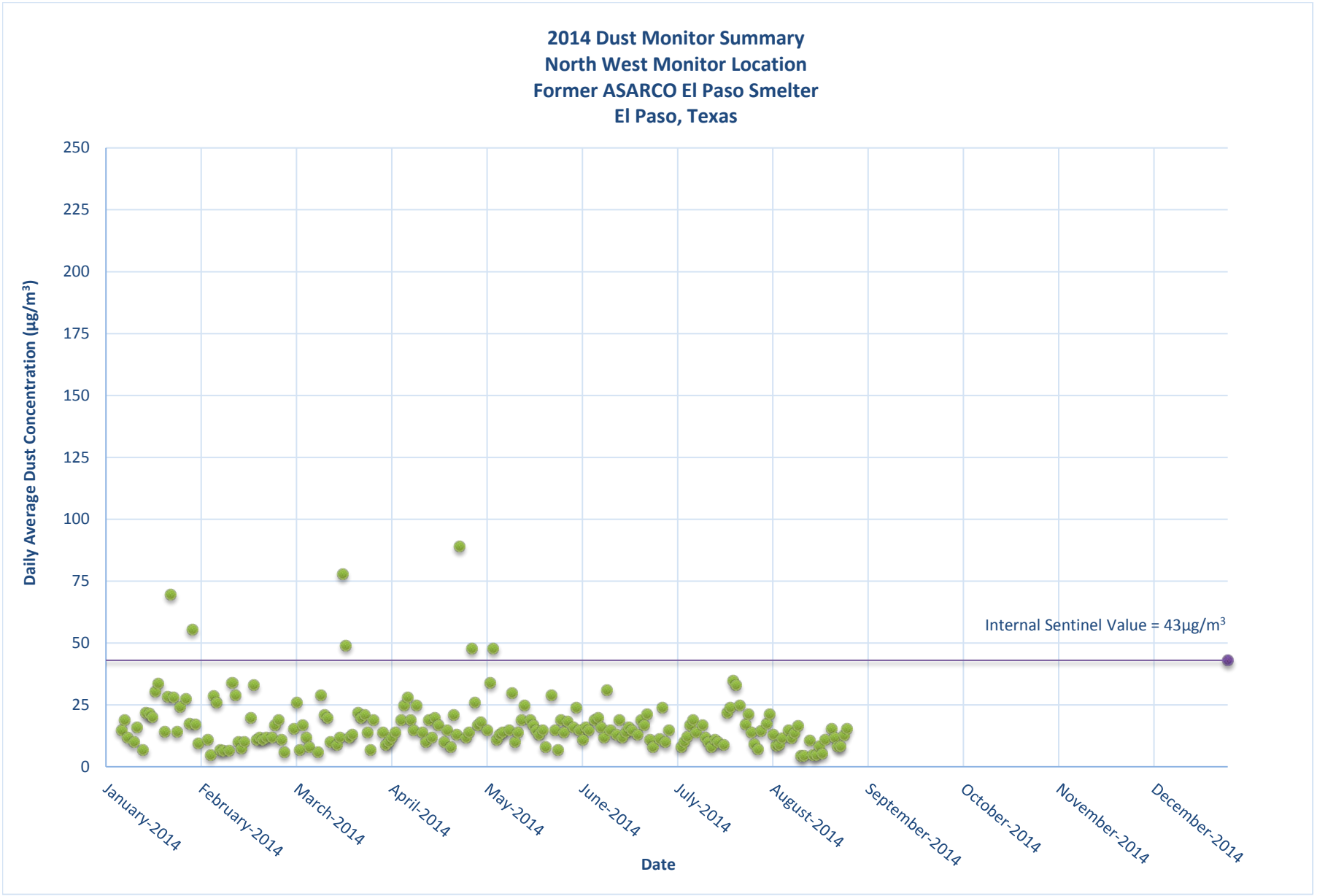
Dust Concentration Graphs

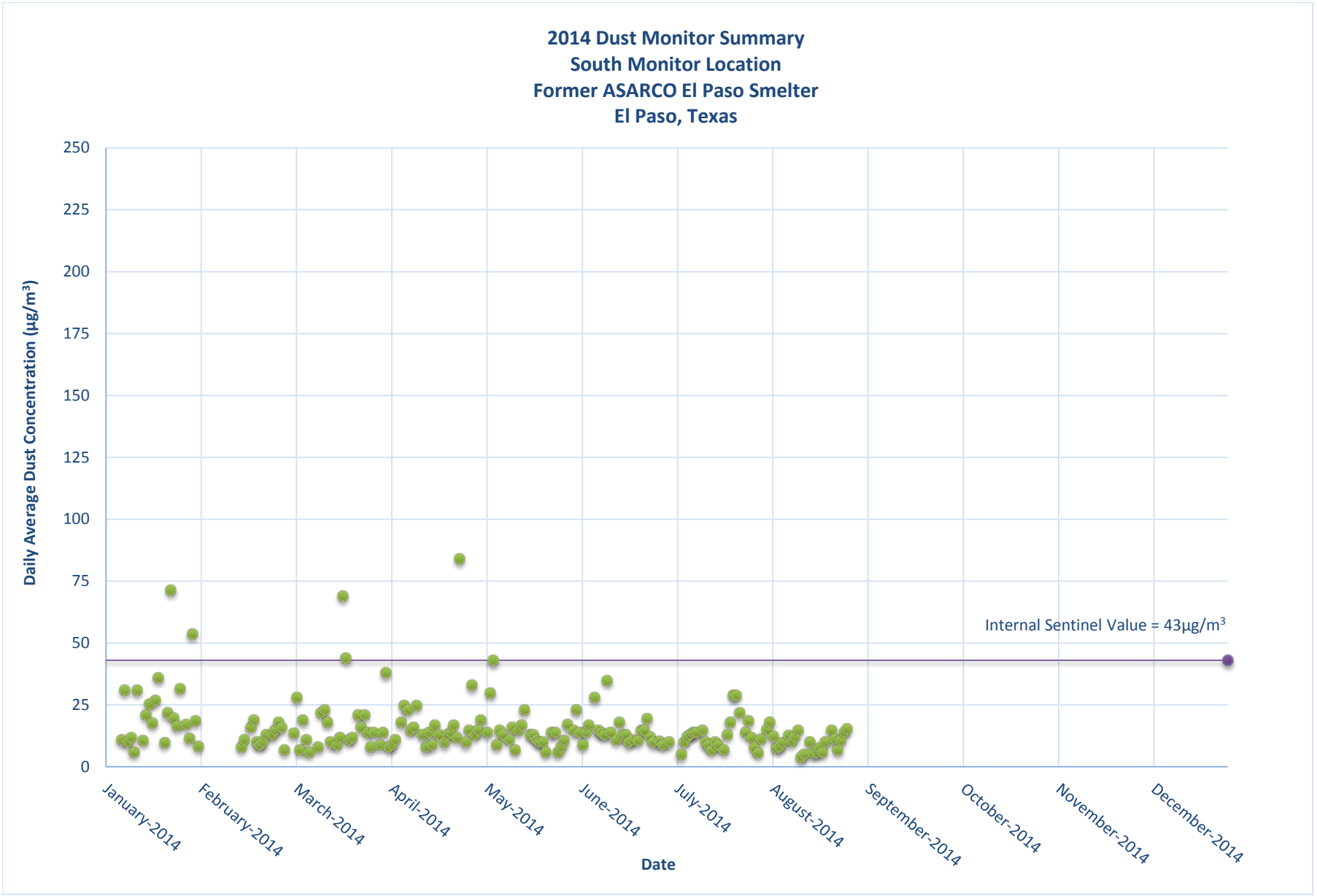

2014 Dust Monitor Summary
Calavera Monitor Location
Former ASARCO El Paso Smelter
El Paso, Texas
Daily Average Dust Concentration (µg/m³)
250
225
200
175
150
125
100
75
50
25
0
Internal Sentinel Value = 43µg/m³
January-2014
February-2014
March-2014
April-2014
May-2014
June-2014
July-2014
August-2014
September-2014
October-2014
November-2014
December-2014
Date

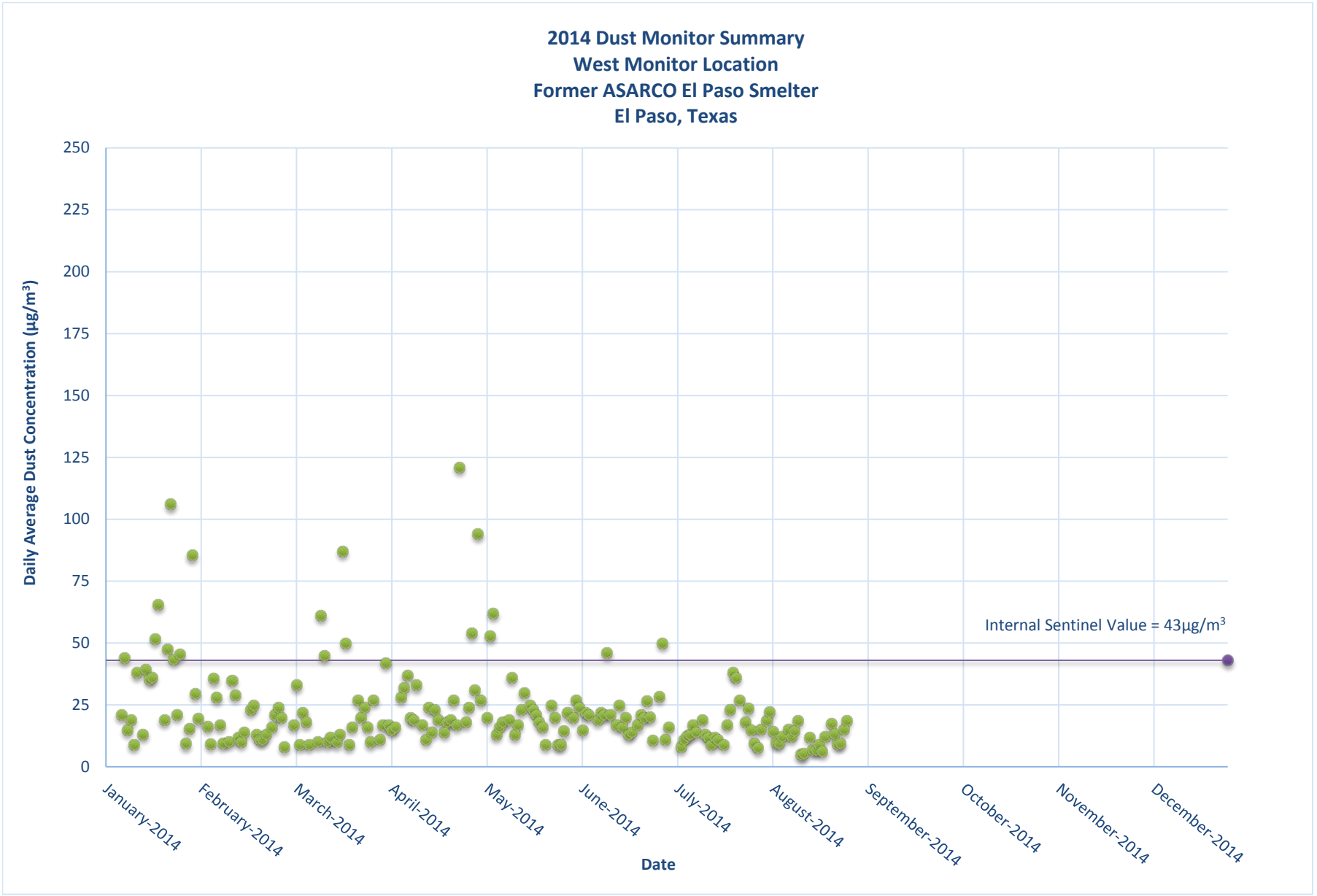

2014 Dust Monitor Summary
East Monitor Location
Former ASARCO El Paso Smelter
El Paso, Texas
Daily Average Dust Concentration (µg/m³)
250
225
200
175
150
125
100
75
50
25
0
Internal Sentinel Value = 43µg/m³
January-2014
February-2014
March-2014
April-2014
May-2014
June-2014
July-2014
August-2014
September-2014
October-2014
November-2014
December-2014
Date

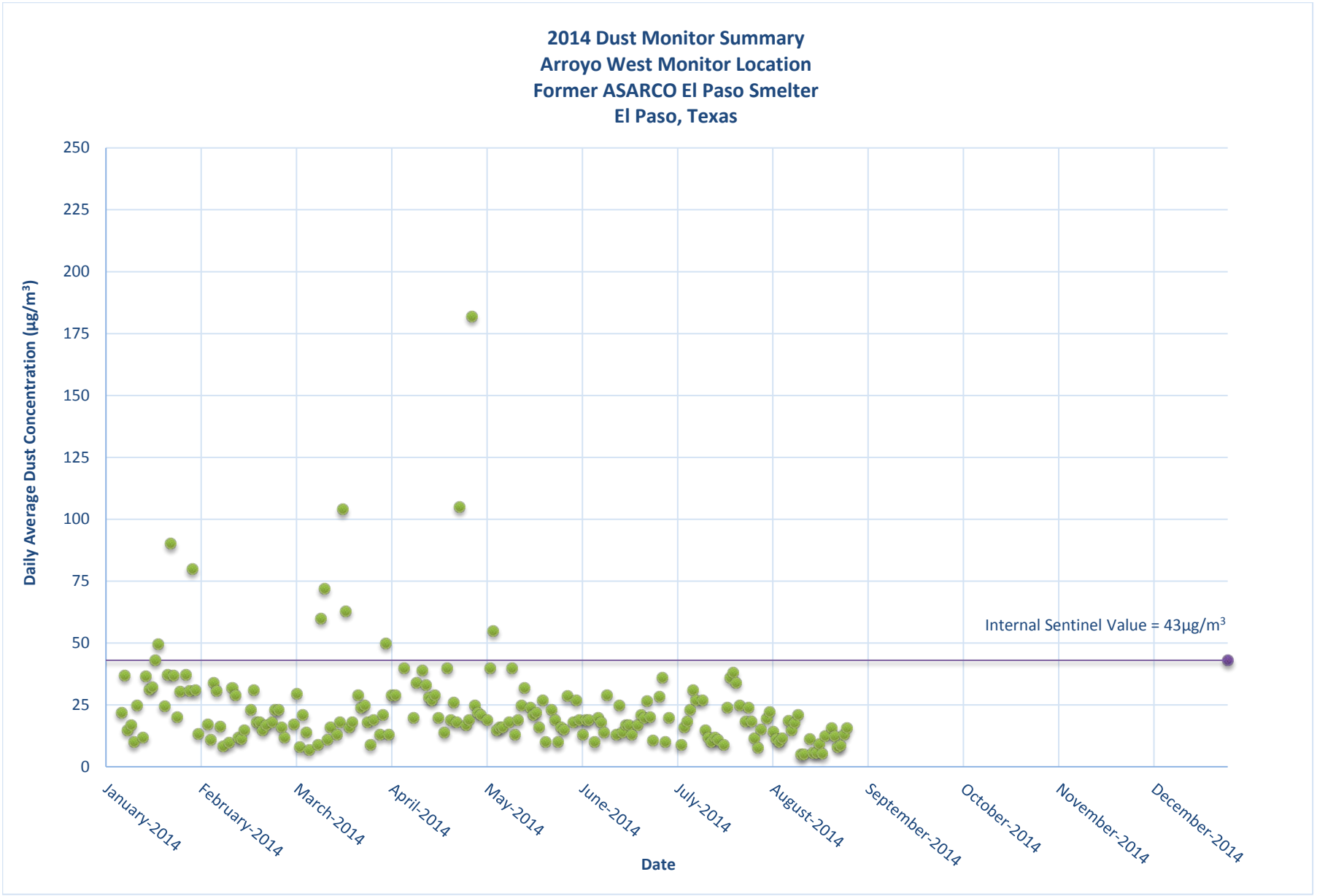

2014 Dust Monitor Summary
North Monitor Location
Former ASARCO El Paso Smelter
El Paso, Texas
Daily Average Dust Concentration (µg/m³)
250
225
200
175
150
125
100
75
50
25
0
Internal Sentinel Value = 43µg/m³
January-2014
February-2014
March-2014
April-2014
May-2014
June-2014
July-2014
August-2014
September-2014
October-2014
November-2014
December-2014
Date

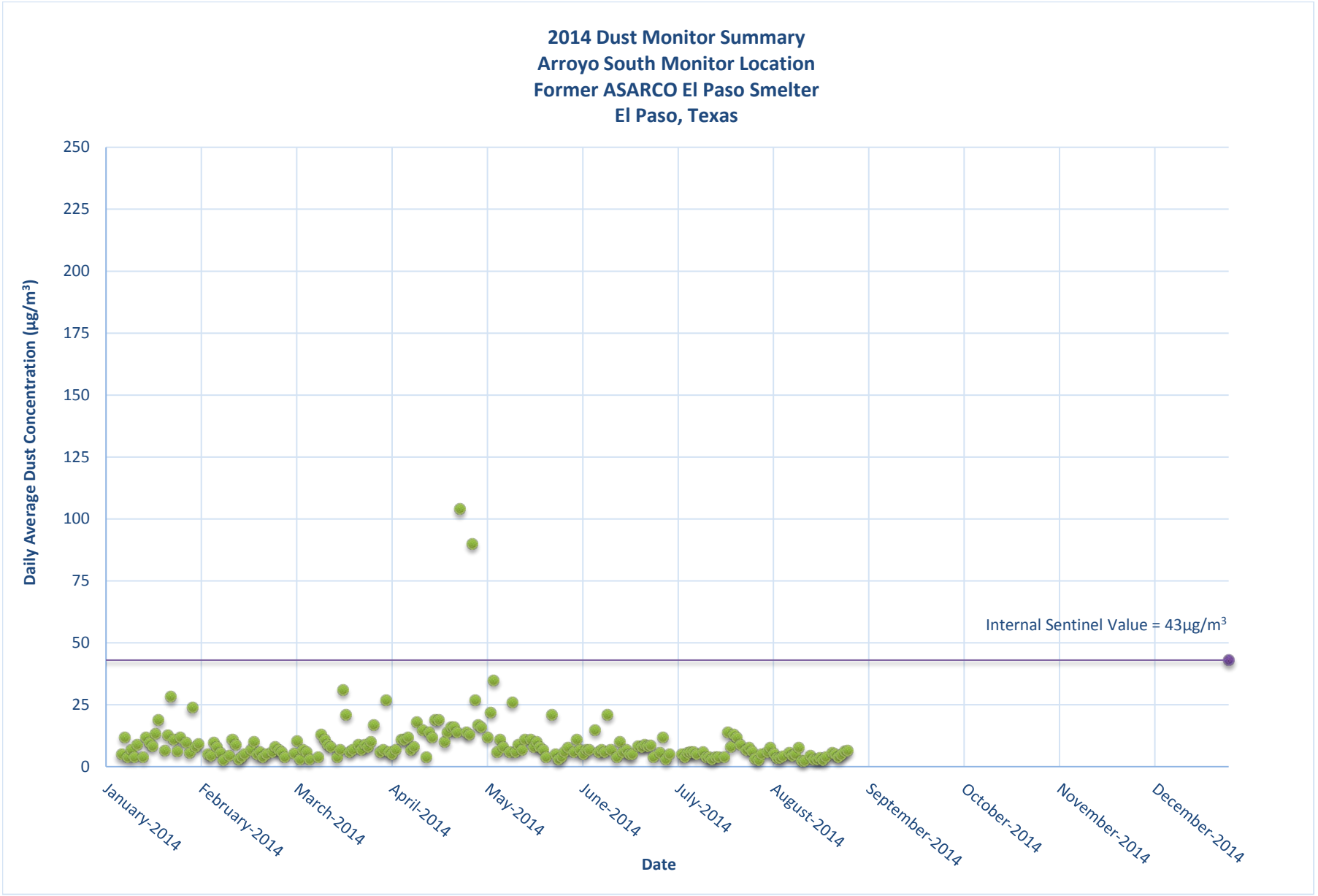

2014 Dust Monitor Summary
North East Monitor Location
Former ASARCO El Paso Smelter
El Paso, Texas
Daily Average Dust Concentration (µg/m³)
250
225
200
175
150
125
100
75
50
25
0
Internal Sentinel Value = 43µg/m³
January-2014
February-2014
March-2014
April-2014
May-2014
June-2014
July-2014
August-2014
September-2014
October-2014
November-2014
December-2014
Date

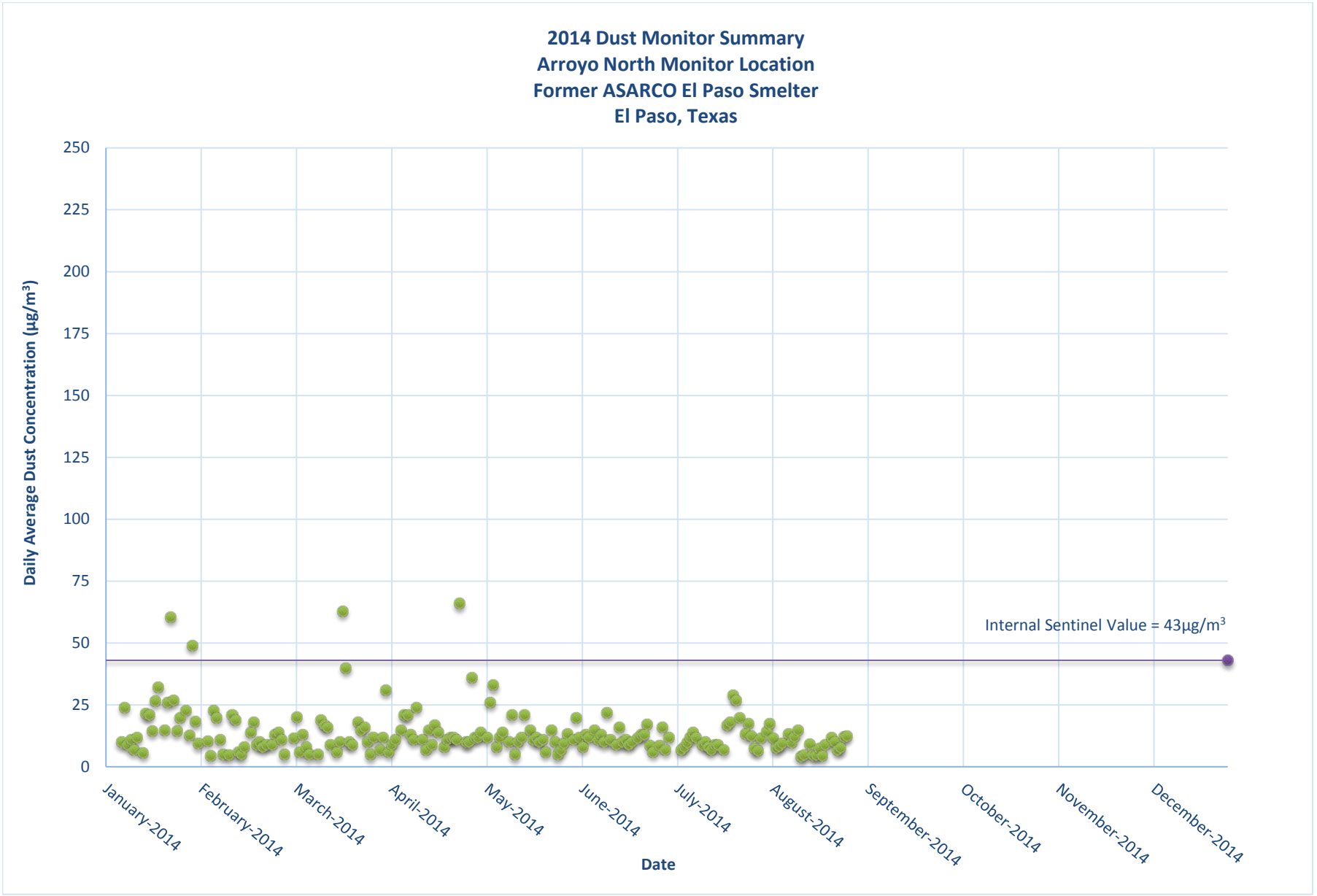

2014 Dust Monitor Summary
North West Monitor Location
Former ASARCO El Paso Smelter
El Paso, Texas
Daily Average Dust Concentration (µg/m³)
250
225
200
175
150
125
100
75
50
25
0
Internal Sentinel Value = 43µg/m³
January-2014
February-2014
March-2014
April-2014
May-2014
June-2014
July-2014
August-2014
September-2014
October-2014
November-2014
December-2014
Date

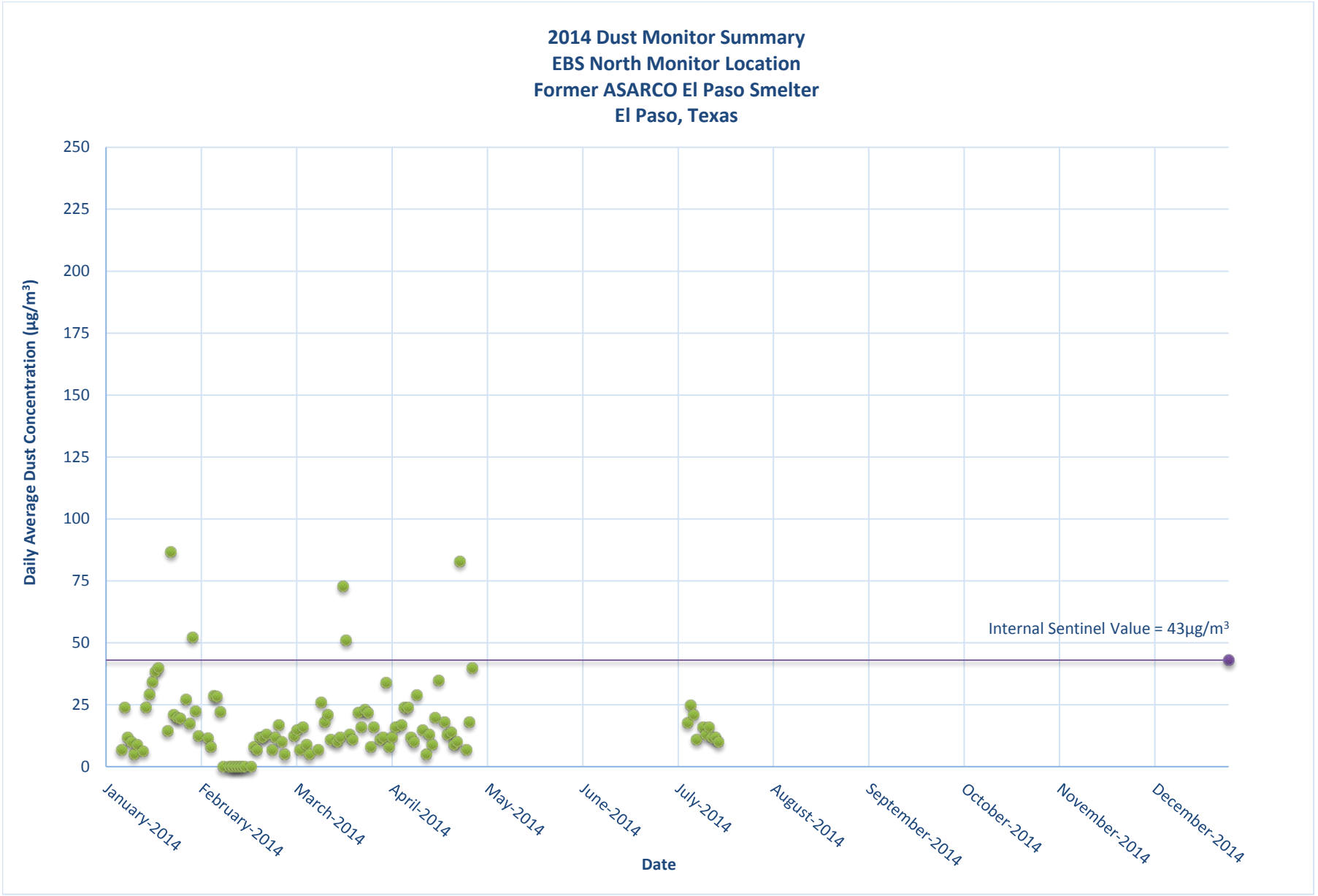

2014 Dust Monitor Summary
South Monitor Location
Former ASARCO El Paso Smelter
El Paso, Texas
Daily Average Dust Concentration (µg/m³)
250
225
200
175
150
125
100
75
50
25
0
Internal Sentinel Value = 43µg/m³
January-2014
February-2014
March-2014
April-2014
May-2014
June-2014
July-2014
August-2014
September-2014
October-2014
November-2014
December-2014
Date

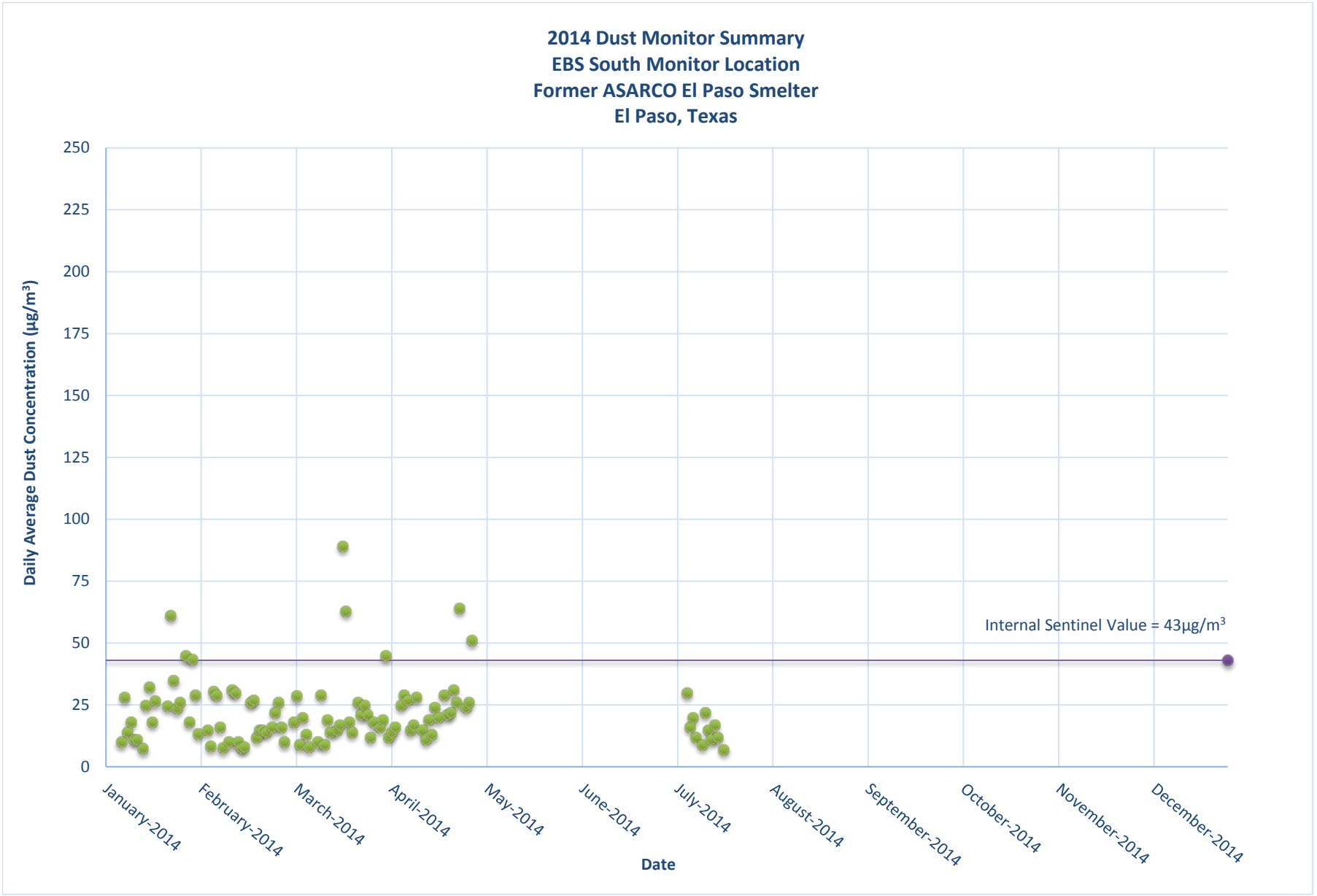

2014 Dust Monitor Summary
West Monitor Location
Former ASARCO El Paso Smelter
El Paso, Texas
Daily Average Dust Concentration (µg/m³)
250
225
200
175
150
125
100
75
50
25
0
Internal Sentinel Value = 43µg/m³
January-2014
February-2014
March-2014
April-2014
May-2014
June-2014
July-2014
August-2014
September-2014
October-2014
November-2014
December-2014
Date

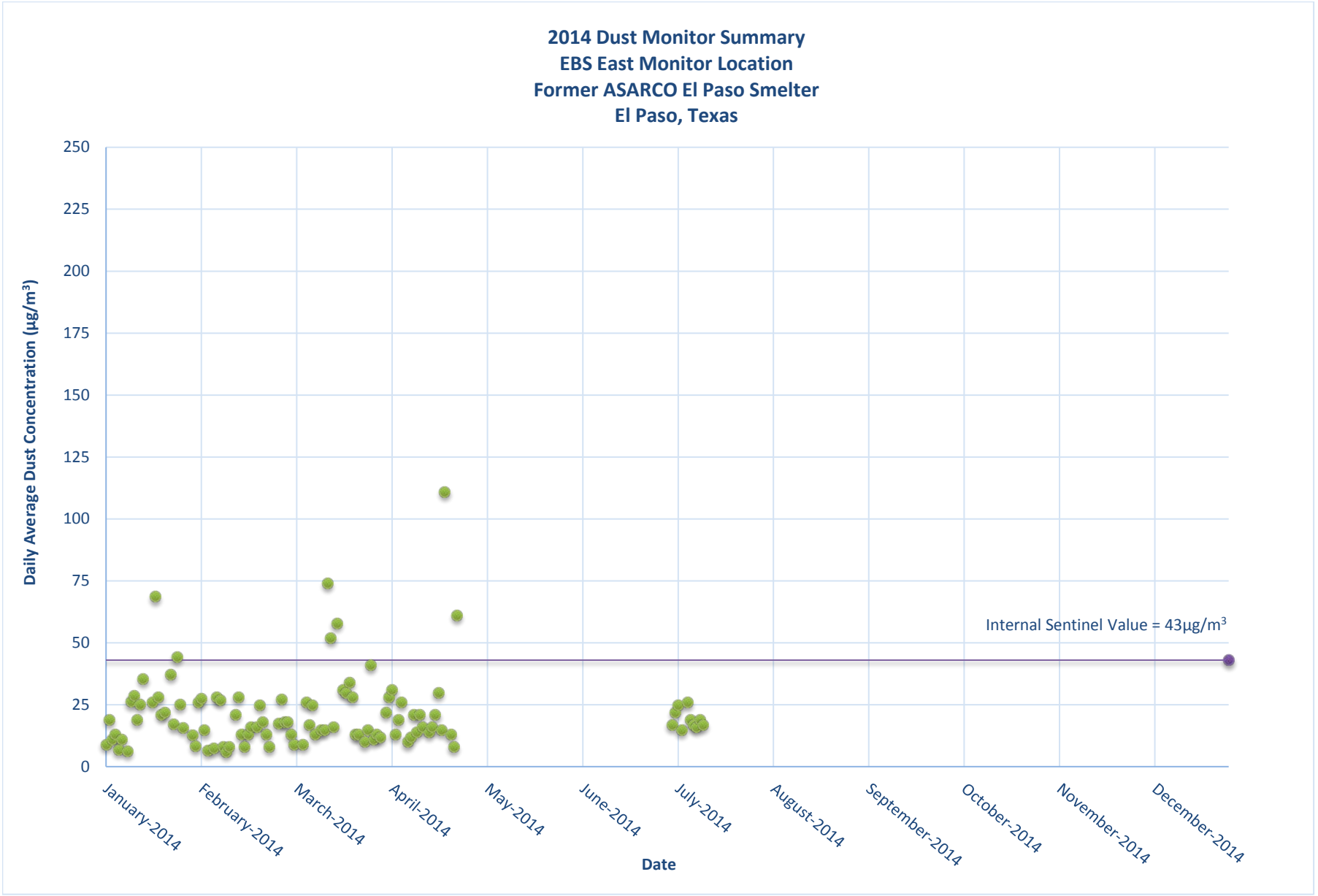

2014 Dust Monitor Summary
Arroyo West Monitor Location
Former ASARCO El Paso Smelter
El Paso, Texas
Daily Average Dust Concentration (µg/m³)
250
225
200
175
150
125
100
75
50
25
0
Internal Sentinel Value = 43µg/m³
January-2014
February-2014
March-2014
April-2014
May-2014
June-2014
July-2014
August-2014
September-2014
October-2014
November-2014
December-2014
Date


2014 Dust Monitor Summary
Arroyo South Monitor Location
Former ASARCO El Paso Smelter
El Paso, Texas
Daily Average Dust Concentration (µg/m³)
250
225
200
175
150
125
100
75
50
25
0
Internal Sentinel Value = 43µg/m³
January-2014
February-2014
March-2014
April-2014
May-2014
June-2014
July-2014
August-2014
September-2014
October-2014
November-2014
December-2014
Date


2014 Dust Monitor Summary
Arroyo North Monitor Location
Former ASARCO El Paso Smelter
El Paso, Texas
Daily Average Dust Concentration (µg/m³)
250
225
200
175
150
125
100
75
50
25
0
Internal Sentinel Value = 43µg/m³
January-2014
February-2014
March-2014
April-2014
May-2014
June-2014
July-2014
August-2014
September-2014
October-2014
November-2014
December-2014
Date


2014 Dust Monitor Summary
EBS North Monitor Location
Former ASARCO El Paso Smelter
El Paso, Texas
Daily Average Dust Concentration (µg/m³)
250
225
200
175
150
125
100
75
50
25
0
Internal Sentinel Value = 43µg/m³
January-2014
February-2014
March-2014
April-2014
May-2014
June-2014
July-2014
August-2014
September-2014
October-2014
November-2014
December-2014
Date


2014 Dust Monitor Summary
EBS South Monitor Location
Former ASARCO El Paso Smelter
El Paso, Texas
Daily Average Dust Concentration (µg/m³)
250
225
200
175
150
125
100
75
50
25
0
Internal Sentinel Value = 43µg/m³
January-2014
February-2014
March-2014
April-2014
May-2014
June-2014
July-2014
August-2014
September-2014
October-2014
November-2014
December-2014
Date


2014 Dust Monitor Summary
EBS East Monitor Location
Former ASARCO El Paso Smelter
El Paso, Texas
Daily Average Dust Concentration (µg/m³)
250
225
200
175
150
125
100
75
50
25
0
Internal Sentinel Value = 43µg/m³
January-2014
February-2014
March-2014
April-2014
May-2014
June-2014
July-2014
August-2014
September-2014
October-2014
November-2014
December-2014
Date