Attachment 1

Ivanhoe PM Alarm Data

CEMView
by Nexus Solutions Inc

Orion Borger Plant
9440 FM 1559, Hwy 136, Borger, Texas 79007, USA

Exceedance report for the period from Monday, July 1, 2019 to Wednesday, January 1, 2020

Source: Device: AT-PWG1WG_DH Component: AT-PWG1WG Dust (mg/m³) Inlet to WHB

Exceedance	Duration D:H:M		Reason		
	01:03:30		Exceedance Condition		

Start	End	Duration D:H:M		Ave		Reason	Action	Memo
8/15/2019 8:00 AM	8/15/2019 8:15 AM	00:00:15		79.4		Exceedance Condition	Exceedance Condition Resolved	{501:501}no event maintenance.
8/15/2019 2:30 PM	8/15/2019 4:30 PM	00:02:00		130.1		Exceedance Condition	Exceedance Condition Resolved	{501:501}no event maintenance.
8/16/2019 3:15 PM	8/16/2019 4:15 PM	00:01:00		206.3		Exceedance Condition	Exceedance Condition Resolved	{501:501}Related to tailgas out on boiler, suspected that water condensate on PM probe. The stack was checked visually and no emissions were observed. Once the unit came back up, the reading went down.
8/23/2019 9:45 PM	8/23/2019 10:15 PM	00:00:30		196.4		Exceedance Condition	Exceedance Condition Resolved	{501:501}No problem related to storm
9/12/2019 9:15 AM	9/12/2019 9:30 AM	00:00:15		187.2		Exceedance Condition	Exceedance Condition Resolved	{501:501}no emmision instrument calibration
9/27/2019 5:00 AM	9/27/2019 6:30 AM	00:01:30		114.2		Exceedance Condition	Exceedance Condition Resolved	{501:501}No emmsion dryer gas lock up issues.
11/2/2019 2:45 AM	11/2/2019 8:00 AM	00:05:15		206.5		Exceedance Condition	Exceedance Condition Resolved	{501:501}no event maintenance.
11/6/2019 2:30 PM	11/6/2019 4:30 PM	00:02:00		206.4		Exceedance Condition	Exceedance Condition Resolved	{501:501}no event maintenance.
11/9/2019 4:15 AM	11/9/2019 10:15 AM	00:06:00		206.5		Exceedance Condition	Exceedance Condition Resolved	{501:501}no event maintenance.
11/24/2019 5:30 AM	11/24/2019 5:45 AM	00:00:15		88.2		Exceedance Condition	Exceedance Condition Resolved	{501:501}Boilertrip. No visible emmision
11/27/2019 7:45 AM	11/27/2019 8:00 AM	00:00:15		118.2		Exceedance Condition	Exceedance Condition Resolved	{501:501}no event maintenance.
11/27/2019 5:00 PM	11/27/2019 6:30 PM	00:01:30		204.7		Exceedance Condition	Exceedance Condition Resolved	{501:501}no event maintenance.
11/30/2019 5:00 AM	11/30/2019 7:00 AM	00:02:00		206.5		Exceedance Condition	Exceedance Condition Resolved	{501:501}PM false alarm from maintenance.
12/9/2019 12:15 PM	12/9/2019 12:45 PM	00:00:30		135.0		Exceedance Condition	Exceedance Condition Resolved	{501:501}PM caair caclibration.
12/13/2019 1:45 PM	12/13/2019 2:00 PM	00:00:15		183.9		Exceedance Condition	Exceedance Condition Resolved	{501:501}no event maintenance.
12/22/2019 1:30 PM	12/22/2019 2:15 PM	00:00:45		162.4		Exceedance Condition	Exceedance Condition Resolved	{501:501}no event maintenance.
1/1/2020 8:00 AM	1/1/2020 8:15 AM	00:00:15		140.0		Exceedance Condition	Exceedance Condition Resolved	{501:501}no event maintenance.
1/1/2020 8:30 AM	1/1/2020 10:15 AM	00:01:45		203.9		Exceedance Condition	Exceedance Condition Resolved	{501:501}no event maintenance.
1/1/2020 3:00 PM	1/1/2020 3:15 PM	00:00:15		70.3		Exceedance Condition	Exceedance Condition Resolved	{501:501}no event maintenance.
1/1/2020 3:45 PM	1/1/2020 4:45 PM	00:01:00		170.5		Exceedance Condition	Exceedance Condition Resolved	{501:501}Nighttime event, assuming nuissance alarm since no verification could be done.
	Total:	01:03:30						Total number of Events: 20

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Orion Borger Plant
9440 FM 1559, Hwy 136, Borger, Texas 79007, USA

Exceedance report for the period from Monday, July 1, 2019 to Wednesday, January 1, 2020

Source: Boiler Device: AT-PWG2WG_DH Component: AT-PWG2WG Dust (mg/m³) WHB

Exceedance	Duration D:H:M		Reason		
	00:01:15		Alarm Condition > 70		

Start	End	Duration D:H:M		Ave		Reason	Action	Memo
8/24/2019 3:15 AM	8/24/2019 3:30 AM	00:00:15		111.6		Exceedance Condition	Exceedance Condition Resolved	{501:501}No method 9 completed at night.
8/24/2019 5:00 PM	8/24/2019 5:30 PM	00:00:30		142.6		Exceedance Condition	Exceedance Condition Resolved	{501:501}No findings
9/12/2019 10:45 AM	9/12/2019 11:00 AM	00:00:15		83.1		Exceedance Condition	Exceedance Condition Resolved	{501:501}now emmision Instrument calibration
10/4/2019 8:45 PM	10/4/2019 9:00 PM	00:00:15		177.7		Exceedance Condition	Exceedance Condition Resolved	{501:501}No method 9 completed at night.
	Total:	00:01:15	Total number of Events: 4					

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Orion Borger Plant
9440 FM 1559, Hwy 136, Borger, Texas 79007, USA

Exceedance report for the period from Monday, July 1, 2019 to Wednesday, January 1, 2020

Source: B1 Device: AT-1BF2XG_DH Component: AT-1BF2XG Dust (mg/m³) Primary Bag Filter

Exceedance	Duration D:H:M		Reason		
	00:00:15		Alarm condition >70		

Start	End	Duration D:H:M		Ave		Reason	Action	Memo
11/2/2019 6:30 AM	11/2/2019 6:45 AM	00:00:15		112.9		Exceedance Condition	Exceedance Condition Resolved	{501:501}No method 9 completed at night.
Total:		00:00:15				Total number of Events: 1		

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Orion Borger Plant
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Exceedance report for the period from Monday, July 1, 2019 to Wednesday, January 1, 2020

Source: B1 Device: AT-1BF4XG_DH Component: AT-1BF4XG Dust (mg/m³) Primary Bag Filter #3 Monitor

Exceedance	Duration D:H:M		Reason		
	00:04:00		Alarm condition >70		

Start	End	Duration D:H:M		Ave		Reason	Action	Memo
11/13/2019 7:30 AM	11/13/2019 11:30 AM	00:04:00		117.4		Exceedance Condition	Exceedance Condition Resolved	No visable emmision confirmed by 2 people.
	Total:	00:04:00	Total number of Events: 1					

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Orion Borger Plant
9440 FM 1559, Hwy 136, Borger, Texas 79007, USA

Exceedance report for the period from Monday, July 1, 2019 to Wednesday, January 1, 2020

Source: B1 Device: AT-1DF1XG_DH Component: AT-1DF1XG Dust (mg/m³) Dryer Filter #1 Monitor

Exceedance	Duration D:H:M		Reason		
	00:00:15		Alarm condition > 70		

Start	End	Duration D:H:M		Ave		Reason	Action	Memo
9/11/2019 1:45 PM	9/11/2019 2:00 PM	00:00:15		96.2		Exceedance Condition	Exceedance Condition Resolved	{501:501}No emmisio. instrument calibration
	Total:	00:00:15	Total number of Events: 1					

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Orion Borger Plant
9440 FM 1559, Hwy 136, Borger, Texas 79007, USA

Exceedance report for the period from Monday, July 1, 2019 to Wednesday, January 1, 2020

Source: B1 Device: AT-1DF2XG_DH Component: AT-1DF2XG Dust (mg/m³) Dryer Filter #2 Monitor

Exceedance	Duration D:H:M		Reason		
	00:00:45		Alarm condition >70		

Start	End	Duration D:H:M		Ave		Reason	Action	Memo
9/11/2019 1:30 PM	9/11/2019 1:45 PM	00:00:15		139.6		Exceedance Condition	Exceedance Condition Resolved	{501:501}No emmision Instrument calibration.
10/25/2019 4:45 PM	10/25/2019 5:00 PM	00:00:15		101.7		Exceedance Condition	Exceedance Condition Resolved	{501:501}No emmision Instrument calibration.
10/26/2019 2:15 AM	10/26/2019 2:30 AM	00:00:15		73.0		Exceedance Condition	Exceedance Condition Resolved	{501:501}No method 9 completed at night.
	Total:	00:00:45	Total number of Events: 3					

Orion Borger Plant
9440 FM 1559, Hwy 136, Borger, Texas 79007, USA

Exceedance report for the period from Monday, July 1, 2019 to Wednesday, January 1, 2020

Source: B1 Device: AT-1DR1XG_DH Component: AT-1DR1XG Dust (mg/m³) Dryer #1 Monitor

Exceedance	Duration D:H:M		Reason		
	00:07:00		Alarm condition >70		

Start	End	Duration D:H:M		Ave		Reason	Action	Memo
9/6/2019 12:45 AM	9/6/2019 3:30 AM	00:02:45		206.1		Exceedance Condition	Exceedance Condition Resolved	{501:501}No emmision dryer start up
9/19/2019 10:45 AM	9/19/2019 11:00 AM	00:00:15		75.1		Exceedance Condition	Exceedance Condition Resolved	{501:501}Unit Shut Down Emmitting Black <5min operator shut vent valve to prevent emmissions from reaching atmosphere.
11/27/2019 4:15 PM	11/27/2019 4:45 PM	00:00:30		128.1		Exceedance Condition	Exceedance Condition Resolved	{501:501}Maintenace Mode issue
12/11/2019 3:30 PM	12/11/2019 3:45 PM	00:00:15		130.3		Exceedance Condition	Exceedance Condition Resolved	{501:501}no event maintenance.
12/13/2019 10:45 AM	12/13/2019 11:00 AM	00:00:15		106.4		Exceedance Condition	Exceedance Condition Resolved	{501:501}no event maintenance.
12/13/2019 2:15 PM	12/13/2019 5:15 PM	00:03:00		206.1		Exceedance Condition	Exceedance Condition Resolved	{501:501}no event maintenance.
	Total:	00:07:00						Total number of Events: 6

Orion Borger Plant
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Exceedance report for the period from Monday, July 1, 2019 to Wednesday, January 1, 2020

Source: B1 Device: AT-1DR2XG_DH Component: AT-1DR2XG Dust (mg/m³) Dryer #2 Monitor

Exceedance	Duration D:H:M		Reason		
	00:04:30		Alarm condition >70		

Start	End	Duration D:H:M		Ave		Reason	Action	Memo
8/14/2019 10:30 AM	8/14/2019 10:45 AM	00:00:15		79.0		Exceedance Condition	Exceedance Condition Resolved	{501:501}North Dryer West Side, visually checked no emmissions observed.
8/14/2019 1:00 PM	8/14/2019 1:15 PM	00:00:15		71.9		Exceedance Condition	Exceedance Condition Resolved	{501:501}PM malfunction from getting wet condenstion in the stack. No visible emission.
8/15/2019 9:00 AM	8/15/2019 9:45 AM	00:00:45		112.4		Exceedance Condition	Exceedance Condition Resolved	{501:501}AT-PWG1WG high alarm, sensor error attributed/estimated from wet condensation.
8/23/2019 2:30 PM	8/23/2019 2:45 PM	00:00:15		79.2		Exceedance Condition	Exceedance Condition Resolved	{501:501}No issue related to the storm
8/31/2019 11:15 PM	8/31/2019 11:30 PM	00:00:15		212.4		Exceedance Condition	Exceedance Condition Resolved	{501:501}No method 9 completed at night.
10/26/2019 12:30 AM	10/26/2019 3:15 AM	00:02:45		206.2		Exceedance Condition	Exceedance Condition Resolved	{501:501}No method 9 completed at night.
	Total:	00:04:30					Total number of Events: 6	

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Exceedance report for the period from Monday, July 1, 2019 to Wednesday, January 1, 2020

Source: B1 Device: AT-1DR3XG_DH Component: AT-1DR3XG Dust (mg/m³) Dryer #3 Monitor

Exceedance	Duration D:H:M		Reason		
	00:01:00		Alarm condition >70		

Start	End	Duration D:H:M		Ave		Reason	Action	Memo
9/6/2019 2:30 AM	9/6/2019 3:00 AM	00:00:30		84.3		Exceedance Condition	Exceedance Condition Resolved	{501:501}no emmision dryer start up
11/27/2019 4:15 PM	11/27/2019 4:45 PM	00:00:30		101.2		Exceedance Condition	Exceedance Condition Resolved	{501:501}Maintenace Mode issue
	Total:	00:01:00	Total number of Events: 2					

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Exceedance report for the period from Monday, July 1, 2019 to Wednesday, January 1, 2020

Source: B1 Device: AT-1DR4XG_DH Component: AT-1DR4XG Dust (mg/m³) Dryer #4 Monitor

Exceedance	Duration D:H:M		Reason		
	00:00:30		Alarm condition >70		

Start	End	Duration D:H:M		Ave		Reason	Action	Memo
8/23/2019 10:00 PM	8/23/2019 10:15 PM	00:00:15		76.3		Exceedance Condition	Exceedance Condition Resolved	{501:501}Storm related no event.
12/5/2019 2:00 PM	12/5/2019 2:15 PM	00:00:15		86.0		Exceedance Condition	Exceedance Condition Resolved	{501:501}Maintenace Mode issue
	Total:	00:00:30	Total number of Events: 2					

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Orion Borger Plant
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Exceedance report for the period from Monday, July 1, 2019 to Wednesday, January 1, 2020

Source: B2 Device: AT-2BF2XG_DH Component: AT-2BF2XG Dust (mg/m³) Primary Bag Filter

Exceedance	Duration D:H:M		Reason		
	00:04:45		Alarm condition > 70		

Start	End	Duration D:H:M		Ave		Reason	Action	Memo
11/3/2019 6:30 PM	11/3/2019 11:15 PM	00:04:45		113		Exceedance Condition	Exceedance Condition Resolved	{501:501}No method 9 completed at night.
	Total:	00:04:45	Total number of Events: 1					

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Orion Borger Plant
9440 FM 1559, Hwy 136, Borger, Texas 79007, USA

Exceedance report for the period from Monday, July 1, 2019 to Wednesday, January 1, 2020

Source: B2 Device: AT-2DF2XG_DH Component: AT-2DF2XG Dust (mg/m³) Dryer Filter #2

Exceedance	Duration D:H:M		Reason		
	00:00:15		Alarm condition >70		

Start	End	Duration D:H:M		Ave		Reason	Action	Memo
12/1/2019 8:45 AM	12/1/2019 9:00 AM	00:00:15		70.6		Exceedance Condition	Exceedance Condition Resolved	{501:501}Maintenance performing work on the PM.
	Total:	00:00:15	Total number of Events: 1					

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Orion Borger Plant
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Exceedance report for the period from Monday, July 1, 2019 to Wednesday, January 1, 2020

Source: B2 Device: AT-2DR1XG_DH Component: AT-2DR1XG Dust (mg/m³) Dryer #1 Monitor

Exceedance	Duration D:H:M		Reason		
	00:00:30		Alarm condition >70		

Start	End	Duration D:H:M		Ave		Reason	Action	Memo
7/12/2019 7:15 AM	7/12/2019 7:30 AM	00:00:15		80.4		Exceedance Condition	Exceedance Condition Resolved	{501:501}Changing combustion air filters on north dryer.
7/29/2019 10:00 PM	7/29/2019 10:15 PM	00:00:15		190.8		Exceedance Condition	Exceedance Condition Resolved	{501:501}No method 9 completed at night.
	Total:	00:00:30	Total number of Events: 2					

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Exceedance report for the period from Monday, July 1, 2019 to Wednesday, January 1, 2020

Source: B2 Device: AT-2DR2XG_DH Component: AT-2DR2XG Dust (mg/m³) Dryer #2 Monitor

Exceedance	Duration D:H:M		Reason		
	00:00:15		Exceedance Condition		

Start	End	Duration D:H:M		Ave		Reason	Action	Memo
7/29/2019 10:00 PM	7/29/2019 10:15 PM	00:00:15		89.4		Exceedance Condition	Exceedance Condition Resolved	{501:501}No method 9 completed at night.
	Total:	00:00:15					Total number of Events: 1	

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Orion Borger Plant
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Exceedance report for the period from Monday, July 1, 2019 to Wednesday, January 1, 2020

Source: B2 Device: AT-2DR3XG_DH Component: AT-2DR3XG Dust (mg/m³) Dryer #3 Monitor

Exceedance	Duration D:H:M		Reason		
	00:03:30		Exceedance Condition		

Start	End	Duration D:H:M		Ave		Reason	Action	Memo
7/16/2019 10:45 AM	7/16/2019 11:00 AM	00:00:15		73.8		Exceedance Condition	Exceedance Condition Resolved	{501:501}no event, maintenance
8/15/2019 1:15 PM	8/15/2019 1:30 PM	00:00:15		72.6		Exceedance Condition	Exceedance Condition Resolved	{501:501}no event, maintenance
10/27/2019 8:45 PM	10/27/2019 9:15 PM	00:00:30		192.0		Exceedance Condition	Exceedance Condition Resolved	{501:501}no event, maintenance
12/17/2019 1:00 PM	12/17/2019 1:15 PM	00:00:15		70.6		Exceedance Condition	Exceedance Condition Resolved	{501:501}no event, maintenance
12/17/2019 2:15 PM	12/17/2019 2:30 PM	00:00:15		70.5		Exceedance Condition	Exceedance Condition Resolved	{501:501}no event, maintenance
12/20/2019 6:30 AM	12/20/2019 7:45 AM	00:01:15		206.3		Exceedance Condition	Exceedance Condition Resolved	{501:501}no event, maintenance
12/23/2019 10:30 AM	12/23/2019 10:45 AM	00:00:15		152.7		Exceedance Condition	Exceedance Condition Resolved	{501:501}no event, maintenance
12/26/2019 10:15 AM	12/26/2019 10:45 AM	00:00:30		206.2		Exceedance Condition	Exceedance Condition Resolved	{501:501}no event, maintenance
	Total:	00:03:30	Total number of Events: 8					

Orion Borger Plant
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Exceedance report for the period from Monday, July 1, 2019 to Wednesday, January 1, 2020

Source: B4 Device: AT-4BF2XG_DH Component: AT-4BF2XG Dust (mg/m³) - Primary Bag Filter

Exceedance	Duration D:H:M		Reason		
	00:05:15		Alarm condition > 70		

Start	End	Duration D:H:M		Ave		Reason	Action	Memo
10/4/2019 8:15 PM	10/4/2019 10:45 PM	00:02:30		204.5		Exceedance Condition	Exceedance Condition Resolved	{501:501}Dryer system steam purge caused PM to red in error. No emmisionvisible
10/24/2019 2:45 PM	10/24/2019 3:30 PM	00:00:45		176.5		Exceedance Condition	Exceedance Condition Resolved	{501:501}no event maintenance.
10/24/2019 4:00 PM	10/24/2019 5:45 PM	00:01:45		129.8		Exceedance Condition	Exceedance Condition Resolved	{501:501}no event maintenance.
10/25/2019 2:30 PM	10/25/2019 2:45 PM	00:00:15		79.4		Exceedance Condition	Exceedance Condition Resolved	{501:501}no event maintenance.
	Total:	00:05:15	Total number of Events: 4					

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Orion Borger Plant
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Exceedance report for the period from Monday, July 1, 2019 to Wednesday, January 1, 2020

Source: B4 Device: AT-4DF1XG_DH Component: AT-4DF1XG Dust (mg/m³) Dryer Filter #1

Exceedance	Duration D:H:M		Reason		
	00:00:30		Alarm condition > 70		

Start	End	Duration D:H:M		Ave		Reason	Action	Memo
9/10/2019 2:30 PM	9/10/2019 2:45 PM	00:00:15		70.2		Exceedance Condition	Exceedance Condition Resolved	{501:501}No emissiion. Instrument calibration.
10/24/2019 3:30 PM	10/24/2019 3:45 PM	00:00:15		89.8		Exceedance Condition	Exceedance Condition Resolved	{501:501}no event maintenance.
	Total:	00:00:30	Total number of Events: 2					

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Exceedance report for the period from Monday, July 1, 2019 to Wednesday, January 1, 2020

Source: B4 Device: AT-4DF2XG_DH Component: AT-4DF2XG Dust (mg/m³) Dryer Filter #2

Exceedance	Duration D:H:M		Reason		
	00:00:15		Alarm condition > 70		

Start	End	Duration D:H:M		Ave		Reason	Action	Memo
12/17/2019 9:15 AM	12/17/2019 9:30 AM	00:00:15		98.3		Exceedance Condition	Exceedance Condition Resolved	{501:501}no event maintenance.
	Total:	00:00:15	Total number of Events: 1					

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Orion Borger Plant
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Exceedance report for the period from Monday, July 1, 2019 to Wednesday, January 1, 2020

Source: B4 Device: AT-4DR1XG_DH Component: AT-4DR1XG Dust (mg/m³) Drier - #1 Monitor

Exceedance	Duration D:H:M		Reason		
	00:00:15		Alarm Condition > 70		

Start	End	Duration D:H:M		Ave		Reason	Action	Memo
9/10/2019 2:45 PM	9/10/2019 3:00 PM	00:00:15		76.3		Exceedance Condition	Exceedance Condition Resolved	{501:501}No emmision. instrument calibration.
	Total:	00:00:15	Total number of Events: 1					

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Exceedance report for the period from Monday, July 1, 2019 to Wednesday, January 1, 2020

Source: B4 Device: AT-4DR3XG_DH Component: AT-4DR3XG Dust (mg/m³) Drier - #3 Monitor

Exceedance	Duration D:H:M		Reason		
	00:00:15		Exceedance Condition		

Start	End	Duration D:H:M		Ave		Reason	Action	Memo
10/12/2019 1:15 AM	10/12/2019 1:30 AM	00:00:15		87.9		Exceedance Condition	Exceedance Condition Resolved	{501:501}No method 9 completed at night.
	Total:	00:00:15	Total number of Events: 1					