

POOR AIR QUALITY EPISODES & SIGNIFICANT INCIDENTS

This list is updated on a regular basis



101-150 Unhealthy for Sensitive Groups 151-200 Unhealthy 201-300 Very Unhealthy 300+ Hazardous

Text above the AQI bar indicates responsible pollutant for that particular AQI

		Time (hour)																																										
Date		0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Root Cause	Recurrence Prevention From This Particular Event	Summary																
May 16, 2020							PM _{2.5}					PM _{2.5}													Natural event, local sandstorm	Unpreventable natural phenomena	Local sand storm that started picking up early in the morning at 5 am, AQI stayed Unhealthy for Sensitive Groups for six hours before jumping to Unhealthy AQI. AQI value ranged from 102-163.																	
May 17, 2020		PM _{2.5}											PM _{2.5}												Natural event, local sandstorm	Unpreventable natural phenomena	Suspended dust particles from the previous day continued to cause Unhealthy AQI and Unhealthy for Sensitive Groups AQI for the entire day.																	
May 18, 2020		PM _{2.5}																							Unknown specific cause	No specific prevention action for this particular event	AQI for this day ranged from 110 to 130 for 24 hours with potential background dust levels causing PM2.5 to be the key contributing factor to AQI																	
May 19, 2020		PM _{2.5}																															Unknown specific cause	No specific prevention action for this particular event	AQI for this day ranged from 102 to 110 for around 19 hours with potential background dust levels causing PM2.5 to be the key contributing factor to AQI									
May 20, 2020																			PM _{2.5}										Unknown specific cause	No specific prevention action for this particular event	AQI for this day ranged from 102 to 107 for 7 hours with potential background dust levels causing this PM2.5 to be the key contributing factor to AQI													
May 21, 2020		PM _{2.5}																							Unknown specific cause	No specific prevention action for this particular event	AQI for this day ranged from 107 to 114 for 24 hours with potential background dust levels causing PM2.5 to be the key contributing factor to AQI																	
May 22, 2020		PM _{2.5}																							Unknown specific cause	No specific prevention action for this particular event	AQI for this day ranged from 107 to 111 for 24 hours with potential background dust levels causing PM2.5 to be the key contributing factor to AQI																	
May 23, 2020		PM _{2.5}																							Unknown specific cause	No specific prevention action for this particular event	AQI for this day ranged from 105 to 116 for 24 hours with potential background dust levels causing PM2.5 to be the key contributing factor to AQI																	
May 24, 2020		PM _{2.5}																														Unknown specific cause	No specific prevention action for this particular event	AQI for this day ranged from 102 to 118 for 15.25 hours with potential background dust levels causing PM2.5 to be the key contributing factor to AQI										
May 26, 2020							PM _{2.5}																													Unknown specific cause	No specific prevention action for this particular event	AQI for this day ranged from 102 to 112 for 16.5 hours with potential background dust levels causing PM2.5 to the key contributing factor to AQI						
May 27, 2020		PM _{2.5}																							Unknown specific cause	No specific prevention action for this particular event	AQI for this day ranged from 102 to 102 for 45 minutes with potential background dust levels causing PM2.5 to the key contributing factor to AQI																	
May 31, 2020																										SO ₂	Man-made pollution source	Closely monitored for further action in the event of a repeated episodes that can be linked to a particular man-made sources that are identifiable.	This is a rare occurrence in our monitoring and data review where SO2 was the responsible pollutant for the AQI level . For a brief duration around mid night (45 minutes) AQI level was Unhealthy for Sensitive Groups. Maximum recorded AQI level was around 108.															
June 7, 2020						PM _{2.5}																														Unknown specific cause	No specific prevention action for this particular event	For a short period early in the morning at 4 am, AQI level raised to Unhealthy for Sensitive Groups, max AQI level recorded was around 102 which is just at the border of Moderate AQI.						
June 24, 2020						PM _{2.5}																														Unknown specific cause	No specific prevention action for this particular event	AQI remained as Unhealthy for Sensitive Groups for most of the time due to PM2.5. Maximum AQI during this period was 106 which is just at the border line of Moderate AQI.						
July 27, 2020																				PM _{2.5}										Unknown specific cause	No specific prevention action for this particular event	Later in the afternoon at 5 pm, higher particulate level caused AQI level to go to Unhealthy for Sensitive Groups and remained so for the rest of the day with 121 being the max AQI being recorded												
July 28, 2020		PM _{2.5}																															Unknown specific cause	No specific prevention action for this particular event	On this day, AQI level stayed as Unhealthy for Sensitive Groups until at 5 pm where air quality level started improving.									
July 31, 2020							PM _{2.5}																														Unknown specific cause	No specific prevention action for this particular event	For a shorter period of time in the morning (6-9 am), slightly elevated particulate levels caused AQI level to go to Unhealthy for Sensitive Groups, with maximum AQI being 102, just at the border of moderate level.					
August 4, 2020							PM _{2.5}																												PM _{2.5}	Natural event, local sandstorm	Unpreventable natural phenomena	High particulate level started early in the morning and continued throughout the day. Highest AQI recorded was 153 and minimum for the day was 101						
August 5, 2020		PM _{2.5}																							Natural event, local sandstorm	Unpreventable natural phenomena	A local sandstorm persist throughout the day reaching AQI level Unhealthy with a maximum value of 159																	
August 6, 2020		PM _{2.5}																																							PM _{2.5}	Natural event, local sandstorm	Unpreventable natural phenomena	Continued sandstorm noticed from previous day, AQI level stayed at Unhealthy level for of the day with maximum AQI value reaching up to 161 and minimum value of 143
August 7, 2020		PM _{2.5}																							Unknown specific cause	Unpreventable natural phenomena	Continued sandstorm noticed from previous day, AQI level stayed at Unhealthy level for of the day with maximum AQI value reaching up to 142 and minimum value of 104																	
August 8, 2020		PM _{2.5}																																								Unknown specific cause	Unpreventable natural phenomena	Sandstorm tapering off, however AQI level stayed at Unhealthy for sensitive group for most of the day. Later in the night AQI reduced to moderate level. Maximum AQI level recorded on the day was 108.
September 11, 2020																												PM2.5	Unknown specific cause	No specific prevention action for this particular event	For a brief duration (30 min) AQI briefly escalated to Unhealthy for Sensitive Groups and Unhealthy. PM 2.5 was responsible pollutant for AQI. In this period AQI ranged from 110-152.													
September 17, 2020							PM _{2.5}																														Unknown specific cause	No specific prevention action for this particular event	From early in the morning at 7 am until 3 pm, AQI remained as Unhealthy for Sensitive Groups level, however the maximum recorded AQI during this period was just 104, a level that is at the border of Moderate AQI.					
September 18, 2020																													PM _{2.5}	Unknown specific cause	No specific prevention action for this particular event	Later in the night at 10 pm, AQI level of Unhealthy for Sensitive Groups was noted.												

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September 19, 2020	PM _{2.5}																							Local landfill fire identified north of KAUST	Local authorities have been notified through Government Affairs reminding them of the fire impact on the local air quality.	A noticeable burning smell with smoky outdoor conditions were observed. AQI level stayed at Unhealthy for Sensitive Group for this entire day. Media reports also noted large mountain fire south east of KAUST (about two hours drive) on September 17.		
September 20, 2020	PM _{2.5}																							Local landfill fire identified north of KAUST	Local authorities have been notified through Government Affairs reminding them of the fire impact on the local air quality.	The burning smell of the day before has dissipated largely, however AQI level of Unhealthy for Sensitive Groups remained for the entire day		
September 21, 2020	PM _{2.5}																							Unknown specific cause	No specific prevention action for this particular event	The effects of the local land fire and the mountain fire might have contributed to the sustained higher particulate levels for this day.		
September 22, 2020	PM _{2.5}																							Unknown specific cause	No specific prevention action for this particular event	For couple of hours starting midnight until early morning at 8, AQI level of Unhealthy for Sensitive Groups have been noted, with improved air quality for the rest of the day.		
October 1, 2020																PM _{2.5}			PM _{2.5}							Natural event, sandstorm	Unpreventable natural phenomena	Early in the evening at 8 pm, local sand storm started with high wind and particulate levels, this continued for the next day and partially the day after.
October 2, 2020	PM _{2.5}	PM ₁₀	PM ₁₀																		PM ₁₀	PM	PM _{2.5}	Natural event, sandstorm	Unpreventable natural phenomena	The sandstorm was persistent throughout this day with high AQI caused by both PM10 and PM2.5 reaching at a hazardous level of 405		
October 3, 2020	PM _{2.5}				PM _{2.5}																			Natural event, sandstorm	Unpreventable natural phenomena	The effect of the previous two days of sandstorm continued to linger until early morning at 9 am where air quality started improving.		
October 4, 2020						PM _{2.5}																		Unknown specific cause	No specific prevention action for this particular event	From early in the morning around 5 am, high particulate level caused AQI level of Unhealthy for Sensitive Groups and stayed at this level for the rest of the day		
October 5, 2020	PM _{2.5}																							Unknown specific cause	No specific prevention action for this particular event	For about two hours starting in the middle of the night, AQI level of Unhealthy for Sensitive Groups have been noted.		
October 29, 2020																		O ₃						Man-made pollution source	No specific prevention action for this particular event	This was the first occasion where O3 was the responsible pollutant for AQI. Later in the afternoon, high ozone concentration caused AQI level of Unhealthy for Sensitive Groups for about 5 hours with maximum recorded AQI being 124. Ozone pollution in the ambient air is not directly emitted from sources, but is the by product of oxides of nitrogen and volatile organic compounds in the presence of sunlight.		
November 7, 2020													SO ₂											Man-made pollution source	Closely monitored for further action in the event of a repeated episodes that can be linked to a particular man-made sources that are identifiable.	This was the second occasion in the entire period of this episode list where SO2 was the responsible pollutant for AQI. For a brief duration around mid day AQI level was Unhealthy for Sensitive Groups with maximum recorded AQI level being 113.		
November 23, 2020																O ₃								Man-made pollution source	No specific prevention action for this particular event	This was the second occasion where O3 was the responsible pollutant for AQI. Late in the afternoon and until little bit before midnight AQI level of Unhealthy for Sensitive Groups was noted with the highest AQI level being 109, just at the border of Moderate AQI.		
December 14, 2020																	PM _{2.5}								Unknown specific cause	No specific prevention action for this particular event	For about an hour and half in the afternoon, AQI level of Unhealthy for Sensitive Groups have been noted with the highest AQI level being 109, just at the border of Moderate AQI.	
December 16, 2020									PM _{2.5}															Unknown specific cause	No specific prevention action for this particular event	In the morning hours, AQI level of Unhealthy for Sensitive Groups was noted.		
December 20, 2020																								PM _{2.5}	Unknown specific cause	No specific prevention action for this particular event	Late in the evening, AQI level of Unhealthy for Sensitive Groups was noted.	
December 21, 2020	PM _{2.5}									PM _{2.5}								PM _{2.5}					Unknown specific cause	No specific prevention action for this particular event	Intermittent AQI level of Unhealthy for Sensitive Groups was noted throughout the day with improved air quality early in the morning, around lunch time and later in the evening.			
December 22, 2020										PM _{2.5}														Unknown specific cause	No specific prevention action for this particular event	AQI level briefly escalated to Unhealthy for Sensitive Group in morning hours for around 3 hours. It was caused by PM2.5. Max AQI level recorded was around 103 which is at the border line of Moderate AQI		
December 26, 2020						PM _{2.5}	PM _{2.5}	PM ₁₀		PM _{2.5}										PM _{2.5}	Natural event, sandstorm	Natural and un-preventable	On this day a local sandstorm was responsible for an elevated AQI levels reaching up to Very Unhealthy levels in the morning. Maximum AQI level of 245 was recorded with PM10 being the main cause.					
December 27, 2020							PM _{2.5}	PM _{2.5}	PM _{2.5}															Natural event, sandstorm	Natural and un-preventable	Local sandstorm early in the morning caused high AQI levels, improved air quality was noted for the rest of the day		
December 28, 2020													PM _{2.5}											Unknown specific cause	No specific prevention action for this particular event	AQI level briefly escalated to Unhealthy for Sensitive Group. It was caused by PM2.5. Max AQI level recorded was around 106		
December 29, 2020	PM _{2.5}																							Unknown specific cause	No specific prevention action for this particular event	AQI level briefly escalated to Unhealthy for Sensitive Group. It was caused by PM2.5. Max AQI level recorded was 104 which is just at border of Moderate AQI.		
December 30, 2020					PM _{2.5}	PM2.5		PM _{2.5}																	Unknown specific cause	No specific prevention action for this particular event	AQI mostly stayed at Unhealthy for Sensitive Groups with briefly escalating to Unhealthy and recorded AQI level of 154.	
December 31, 2020	PM _{2.5}																							Unknown specific cause	No specific prevention action for this particular event	Until 3 pm, AQI level was Unhealthy for Sensitive Groups with improved air quality for the rest of the day.		
January 9, 2021	PM _{2.5}															PM _{2.5}								Unknown specific cause	No specific prevention action for this particular event	AQI level stayed at Unhealthy for sensitive group until 3pm due to elevated particulate matters in the air. Air improved later in the afternoon. Maximum AQI reached during the day was 142		

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January 10, 2021	PM _{2.5}																				PM _{2.5}										Unknown specific cause	No specific prevention action for this particular event	Early in the morning AQI escalated to Unhealthy for sensitive group and stayed up to 9am with improved air quality after that. Later in the afternoon AQI level of Unhealthy for Sensitive Group was noticed again that stay throughout the remaining part of the day. Maximum AQI level reached was 134								
January 11, 2021	PM _{2.5}																				PM _{2.5}										Unknown specific cause	No specific prevention action for this particular event	Continued from the pervious day, AQI remains Unhealthy for Sensitive Group and stayed up to 9am with improved air quality later in the day after 3pm. Maximum AQI level reached in the day was 147								
January 12, 2021						PM _{2.5}			PM _{2.5}							PM ₁₀	PM ₁₀		PM ₁₀	PM _{2.5}							Natural event, sandstorm	Natural and un-preventable	A local sandstorm noticed in the middle of the day with AQI reaching up to Hazardous for almost 3hours. Maximum AQI value reaching during the sandstorm was 435. AQI improved later in the day												
January 13, 2021						PM _{2.5}								PM _{2.5}		PM _{2.5}		PM _{2.5}												Unknown specific cause	No specific prevention action for this particular event	Intermittent AQI level of Unhealthy for Sensitive Groups and Unhealthy was noticed early in the morning and before lunch time with improved air quality for the rest of the day. Maximum AQI level reached was 156.									
January 21, 2021																									PM _{2.5}	PM ₁₀		PM ₁₀											Natural event, sandstorm	Natural and un-preventable	From January 22-25, AQI was impacted by a sandstorm event that started around evening time on 21 January and continued the following four days (22,23,24,25 January). During the Sandstorm AQI level reached to Hazardous for most part of 22 and 23 January. On 24 AQI level stayed at Unhealthy level with briefly reaching to Very Unhealthy level. Particulate matters were responsible for AQI levels during this period. Maximum recorded AQI level was 781.
January 22, 2021	PM ₁	PM _{2.5}					PM ₁₀		PM ₁₀	PM ₁₀																		Natural event, sandstorm													
January 23, 2021	PM ₁₀																				PM ₁₀		PM _{2.5}	PM ₁₀		PM _{2.5}		PM _{2.5}		Natural event, sandstorm											
January 24, 2021	PM _{2.5}								PM ₁₀		PM ₁₀			PM _{2.5}													Natural event, sandstorm														
January 25, 2021	PM _{2.5}																		PM _{2.5}																Natural event, sandstorm						
January 26, 2021	PM _{2.5}																								Unknown specific cause	No specific prevention action for this particular event	Continued from the pervious day, AQI remains Unhealthy for Sensitive Group for the entire day. Maximum AQI level reached in the day was 136														
January 27, 2021	PM _{2.5}																						PM _{2.5}														Unknown specific cause	No specific prevention action for this particular event	Continued from the pervious day, AQI remains Unhealthy for Sensitive Group for the most part of the day. Maximum AQI level reached in the day was 142		
January 28, 2021		PM _{2.5}																	PM _{2.5}					PM _{2.5}			Unknown specific cause	No specific prevention action for this particular event	Continued from the pervious day, AQI remains Unhealthy for Sensitive Group for the most part of the day. Maximum AQI level reached in the day was 144												
January 29, 2021	PM _{2.5}																								Unknown specific cause		AQI improved most of the day with the exception of early morning hours where AQI level of Unhealthy for Sensitive Groups was noted.														
January 31, 2021																			O ₃																Man-made pollution source	No specific prevention action for this particular event	This was the third occasion where O3 was responsible pollutant for AQI level in Unhealthy for Sensitive Group. Around evening time Ozone caused escalation of AQI to Unhealthy for Sensitive Group for almost 3 hours. Max recorded AQI during this period was 106.				
February 1, 2021													PM _{2.5}																						Unknown specific cause	No specific prevention action for this particular event	Around mid day AQI level escalated to Unhealthy for Sensitive Group for short duration. Max AQI level recorded was around 125				
February 2, 2021										PM _{2.5}															Unknown specific cause	No specific prevention action for this particular event	From 8am to 11am AQI level of Unhealthy for Sensitive Groups was noticed														
February 8, 2021														PM ₁₀		PM _{2.5}												Unknown specific cause	No specific prevention action for this particular event	From 1pm to 3pmam AQI level of Unhealthy for Sensitive Groups was noticed											
February 9, 2021			PM _{2.5}		PM _{2.5}		PM ₁₀		PM ₁₀		PM _{2.5}		PM _{2.5}												Natural event, sandstorm	Natural and un-preventable	On 9 February, a local sandstorm was responsible for elevated AQI level quickly escalating to Hazardous for a brief period. Sandstorm started around late night and ended around 9:00AM. During the sandstorm AQI level of Hazardous was reached. Maximum AQI recorded was 404														
February 11, 2021								PM _{2.5}																					Unknown specific cause	No specific prevention action for this particular event	AQI level briefly escalated to Unhealthy for Sensitive Group in the morning hours. Max AQI level recorded was around 106										
February 16, 2021						PM _{2.5}																								Unknown specific cause	No specific prevention action for this particular event	AQI level briefly escalated to Unhealthy for Sensitive Group in the early morning hours. It was caused by PM2.5. Max AQI level recorded was around 129									

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February 17, 2021													PM _{2.5}										PM _{2.5}	PM _{2.5}	Natural event, local sandstorm	Natural and un-preventable	On 17 February, around mid day AQI level escalated to Unhealthy for Sensitive Group and stayed for next 14 hours with briefly elevation to Unhealthy level. Max AQI level recorded was around 152			
February 18, 2021	PM _{2.5}																								Unknown specific cause	No specific prevention action for this particular event	Around mid night AQI level briefly escalated to Unhealthy for Sensitive Group.			
March 6, 2021													PM _{2.5}	PM _{2.5}	PM _{2.5}											Unknown specific cause	No specific prevention action for this particular event	Around mid day for a short duration AQI level escalated to Unhealthy for Sensitive Groups. Max AQI level recorded was around 153		
March 9, 2021		PM _{2.5}																							Unknown specific cause	No specific prevention action for this particular event	Starting around midnight and until morning at 10, AQI level of Unhealthy for Sensitive Groups have been noted, with improved air quality for the rest of the day. Max AQI recorded was 137			
March 10, 2021						PM _{2.5}																			PM _{2.5}	Unknown specific cause	No specific prevention action for this particular event	For the most of work hours, starting from early morning to 5pm AQI remained at Unhealthy for Sensitive Groups with improved air quality later in the remaining of the day. Maximum AQI noted was around 140		
March 11, 2021	PM _{2.5}																								Unknown specific cause	No specific prevention action for this particular event	Continued from the pervious night, AQI remained Unhealthy for Sensitive Groups for the entire day. Maximum AQI level reached in the day was 142 with average around 123.			
March 12, 2021	PM _{2.5}																								Unknown specific cause	No specific prevention action for this particular event	Continued from the pervious day, AQI remains Unhealthy for Sensitive Group and stayed up to 9am with improved air quality later in the day. Maximum AQI level reached in the day was 123			
March 13, 2021				PM _{2.5}					PM _{2.5}																Unknown specific cause	No specific prevention action for this particular event	In the early morning hours, AQI level of Unhealthy for Sensitive Groups was noticed. After 9:45am improved air quality noticed throughout the day.			
March 14, 2021							PM _{2.5}																		Unknown specific cause	No specific prevention action for this particular event	From early in the morning around 6 am, high particulate level caused AQI level of Unhealthy for Sensitive Groups and stayed at this level for the rest of the day. Maximum AQI recorded was 134.			
March 15, 2021	PM _{2.5}															PM _{2.5}												Unknown specific cause	No specific prevention action for this particular event	Continued from the previous day AQI remained Unhealthy for sensitive Groups up to 10am with improved air quality after that. Later in the afternoon AQI level of Unhealthy for Sensitive Group was noticed again that stayed until 7pm. Maximum AQI level reached was 136
March 16, 2021					PM _{2.5}																				Unknown specific cause	No specific prevention action for this particular event	Early in the morning AQI level of Unhealthy for Sensitive Groups was noted and stayed until 12pm with improved air quality after that. Maximum AQI noticed was 107			
March 23, 2021																							PM _{2.5}	Natural event, local sandstorm	Natural and un-preventable	Late in the evening, AQI level of Unhealthy for Sensitive Groups was noted. AQI value recorded was 129.				
March 24, 2021	PM _{2.5}											PM ₁₀							PM _{2.5}	PM _{2.5}					PM _{2.5}	Natural event, local sandstorm	Natural and un-preventable	A local sandstorm started in the middle of the day with AQI reaching up to Hazardous for almost 5hours. Maximum AQI value recorded during the sandstorm was 1078.		
March 25, 2021	PM _{2.5}									PM _{2.5}															Natural event, local sandstorm	Natural and un-preventable	Continuing from the previous day AQI stayed Unhealthy for Sensitive Groups for 8 hours before escalating to Unhealthy AQI levels for the rest of the day. Maximum AQI recorded during the day was 189			
March 26, 2021	PM _{2.5}												PM _{2.5}												Natural event, local sandstorm	Natural and un-preventable	Continuing from the previous day AQI stayed Unhealthy until 11am before briefly reducing to Unhealthy for Sensitive Groups. Improved air quality was noticed after 1pm for the remaining day. Maximum AQI recorded during the day was 168			
March 29, 2021									PM _{2.5}																Unknown specific cause	No specific prevention action for this particular event	From 8am to 1pm AQI level of Unhealthy for Sensitive Groups was noticed			
April 4, 2021													PM _{2.5}	PM _{2.5}	PM _{2.5}											Unknown specific cause	No specific prevention action for this particular event	Around 11am AQI level escalated to Unhealthy for Sensitive Group and stayed until around 5pm with briefly elevation to Unhealthy level. Max AQI level recorded was around 156		
April 5, 2021														PM _{2.5}												Unknown specific cause	No specific prevention action for this particular event	On 6 April, around mid day AQI level escalated to Unhealthy for Sensitive Group and stayed for the rest of the day. Max AQI level recorded was around 143		

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April 6, 2021		PM2.5																								Unknown specific cause	No specific prevention action for this particular event	Continued from the pervious night, AQI remained Unhealthy for Sensitive Groups for the entire day. Maximum AQI level reached in the day was 142 with average around 131.		
April 7, 2021		PM2.5													PM2.5												Unknown specific cause	No specific prevention action for this particular event	Continued from the pervious day, AQI remained Unhealthy for Sensitive Groups for the most of the day. Maximum AQI level reached in the day was 127 with average around 110.	
April 8, 2021		PM2.5																								Unknown specific cause	No specific prevention action for this particular event	Continued from the pervious day, AQI remained Unhealthy for Sensitive Groups for the entire day. Maximum AQI level reached in the day was 121 with average around 111.		
April 9, 2021		PM2.5					PM2.5			PM2.5																Unknown specific cause	No specific prevention action for this particular event	A relatively better AQI noticed after 11am after 4 consecutive days of Unhealthy for Sensitive Groups AQI level. Max AQI level recorded in the day was 153.		
April 9-12, 2021		There has been a significant fire in one of the Rabigh power plants involving a fire at a fuel tank farm. Based on air quality readings of the days before the fire, and review of the historical AQI data, there was no AQI impact at KAUST. However, black clouds from the fire were seen over KAUST On April 11.																								Rabigh fire at Rabigh Electric Company power plant				
April 17, 2021			PM2.5		PM2.5		PM2.5		PM2.5		PM10	PM2.5					PM2.5						PM2.5	PM10	PM2.5		PM2.5	Natural event, local sandstorm	Natural and un-preventable	For the most part of the day AQI shifted between Unhealthy and Unhealthy for Sensitive Groups. Max AQI recorded was 238.
April 18, 2021		PM2.5		PM2.5	PM2.5							PM2.5													PM2.5		Natural event, local sandstorm	Natural and un-preventable	AQI index briefly escalated to Unhealthy for Sensitive Groups and Unhealthy at different short interval during the day. Maximum AQI recorded was 153.	
April 21, 2021		PM2.5																									Unknown specific cause	No specific prevention action for this particular event	AQI remained as Unhealthy for Sensitive Groups for most of the time due to PM2.5. Maximum AQI during this period was 133.	
May 1, 2021												PM2.5														Unknown specific cause	No specific prevention action for this particular event	AQI remained as Unhealthy for Sensitive Groups for brief period of time due to PM2.5. Maximum AQI during this period was 116.		
June 11-12, 2021		Particulate Matters (PM) sensors of Thuwal Weather Station was out of order during this period. A sandstorm was observed on 12th June																								Equipment malfunction	Necessary repair work was carried out and PM sensors were brought to operation.			
June 20, 2021		A local waste fire was reported around 30 Km to the North of KAUST (close to KAEC). No noticeable impact on KAUST AQI.																								Illegal waste burning in open area (tires)	KAUST GA formally communicated KAUST concerns to Government department			
July 8, 2021		Fire at KAUST Hotel construction site. No noticeable impact on KAUST AQI.																												
July 19, 2021						PM2.5						PM2.5				PM2.5						PM10	PM10		PM10		Natural event, local sandstorm	Natural and un-preventable	Suspended dust with light and strong winds. There was an alert from the local authorities about sand storm. AQI indeed gradually escalated to higher levels reaching hazardous level around mid night. Maximum AQI was 363.	
July 20, 2021		PM10	PM10		PM10		PM2.5			PM2.5							PM2.5		PM2.5	PM2.5							Natural event, local sandstorm	Natural and un-preventable	Sandstorm continuing from the previous day, AQI remained unhealthy and above levels during the early morning hours. Air quality improved later in the day after 16:00 hours.	
July 21, 2021																						PM2.5					Natural event, local sandstorm	Natural and un-preventable	Relatively improved air quality was observed, AQI briefly escalated to Unhealthy for Sensitive Groups in the evening. Max AQI reached up to 116.	
July 22, 2021			PM2.5	PM2.5	PM2.5					PM2.5		PM2.5				PM2.5									PM2.5	Natural event, local sandstorm	Natural and un-preventable	Air quality was affected by the sandstorm. AQI mostly remained at Unhealthy for Sensitive Groups levels with brief escalation to Unhealthy levels during the day. Maximum AQI was 158.		
July 23, 2021		PM2.5									PM2.5				PM2.5			PM2.5									Natural event, local sandstorm	Natural and un-preventable	Sandstorm continuing from the previous day. AQI mostly remained at Unhealthy for Sensitive Groups levels with brief escalation to Unhealthy levels during the day time up to 16:00 hours. Improved air quality was noticed later in the afternoon. Maximum AQI was 158.	
August 1, 2021			PM2.5	PM2.5			PM2.5																		Unknown specific cause	Natural and un-preventable	AQI remained as Unhealthy for Sensitive Groups for most of the time with briefly escalating to Unhealthy level due to PM2.5. Maximum AQI during this period was 155 and average AQI was 131.			
August 2, 2021		PM2.5							PM2.5		PM2.5								Unknown specific cause	No specific prevention action for this particular event	AQI remained Unhealthy for Sensitive Groups with briefly escalating to Unhealthy levels most of the morning. Improved air quality was observed after the mid day. Maximum AQI was 152.									
August 3, 2021		PM2.5																							Unknown specific cause	No specific prevention action for this particular event	AQI remained as Unhealthy for Sensitive Groups for most of the time due to PM2.5. Maximum AQI during this period was 131 and average AQI was 114.			
August 4, 2021														PM2.5							PM2.5		PM2.5		Unknown specific cause	No specific prevention action for this particular event	AQI escalated to Unhealthy for Sensitive Group in the afternoon around 15:00hours and stayed at that level for the remaining part of the day with briefly escalating to Unhealthy level. Max AQI was 152.			
August 5, 2021		PM2.5					PM2.5			PM2.5															PM2.5		Unknown specific cause	No specific prevention action for this particular event	AQI remained as Unhealthy for Sensitive Groups for most of the time with briefly escalating to Unhealthy level due to PM2.5. Maximum AQI was 153.	
August 6, 2021		PM2.5												PM2.5							Unknown specific cause	No specific prevention action for this particular event	Two brief intervals of Unhealthy for Sensitive Groups AQI level were noticed. Maximum AQI was 112.							
August 7, 2021		PM2.5													PM2.5	PM2.5		PM10		PM2.5		PM10	PM10	Natural event, local sandstorm	Natural and un-preventable	Light sandstorm during the day affected the air quality. All the morning and afternoon air quality remained Unhealthy for Sensitive Groups. Later in the day, around evening time AQI gradually escalated reaching Unhealthy levels around mid night. Max AQI was 212.				
August 8, 2021		PM10	PM2.5										PM2.5									PM2.5			Natural event, local sandstorm	Natural and un-preventable	Continuing from the previous day, AQI remained at Unhealthy level for all the morning and up to 14:00 hours. After 14:00 AQI level reduced to Unhealthy for Sensitive Groups for most of the time with brief improved air quality interval. Maximum AQI was 198.			

POOR AIR QUALITY EPISODES & SIGNIFICANT INCIDENTS

This list is updated on a regular basis



101-150 Unhealthy for Sensitive Groups 151-200 Unhealthy 201-300 Very Unhealthy 300+ Hazardous

Text above the AQI bar indicates responsible pollutant for that particular AQI

Date	Time (hour)																								Root Cause	Recurrence Prevention From This Particular Event	Summary
	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00			
August 9, 2021	PM2.5								PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5						Natural event, local sandstorm	Natural and un-preventable	AQI stayed at Unhealthy level for most of the morning and afternoon. Improved air quality was noticed later in the evening after 20:00 hours. Maximum AQI was 190.
September 2, 2021					PM2.5										PM2.5										Unknown specific cause	No specific prevention action for this particular event	AQI remained as Unhealthy for Sensitive Groups for brief period of time due to PM2.5. Maximum AQI during this period was 102.
October 13, 2021																				PM2.5					Unknown specific cause	No specific prevention action for this particular event	AQI remained as Unhealthy for Sensitive Groups in the evening time due to PM2.5. Maximum AQI during this period was 120.
October 14, 2021	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	Unknown specific cause	No specific prevention action for this particular event	AQI remained as Unhealthy for Sensitive Groups for the entire 24hours due to PM2.5. Maximum AQI during this period was 145 and average AQI was 117.
October 15, 2021	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	Unknown specific cause	No specific prevention action for this particular event	AQI remained as Unhealthy for Sensitive Groups all the morning and up to 14:00. Maximum AQI during this period was 145 and average AQI was 116.
October 16, 2021																			PM2.5	PM2.5					Unknown specific cause	No specific prevention action for this particular event	AQI was Unhealthy for Sensitive Groups for brief period of time. Maximum AQI during this period was 109.
November 1, 2021															PM2.5	PM2.5	PM2.5	PM2.5	PM2.5						Unknown specific cause	No specific prevention action for this particular event	AQI was Unhealthy for Sensitive Groups for brief period of time. Maximum AQI during this period was 121.
November 2, 2021						PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5					Unknown specific cause	No specific prevention action for this particular event	AQI was Unhealthy for Sensitive Groups for brief period of time. Maximum AQI during this period was 137.
November 5, 2021						PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5					Unknown specific cause	No specific prevention action for this particular event	AQI was Unhealthy for Sensitive Groups for brief period of time. Maximum AQI during this period was 115.
November 8, 2021														PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5						Unknown specific cause	No specific prevention action for this particular event	Around 12:15PM AQI level escalated to Unhealthy for Sensitive Group and stayed until around 5:15pm with briefly elevation to Unhealthy level. Max AQI level recorded was around 152
November 13, 2021																			PM2.5	PM2.5					Unknown specific cause	No specific prevention action for this particular event	AQI was Unhealthy for Sensitive Groups for brief period of time. Maximum AQI during this period was 107.
November 18, 2021															PM2.5	PM2.5	PM2.5	PM2.5	PM2.5						Unknown specific cause	No specific prevention action for this particular event	AQI was Unhealthy for Sensitive Groups for brief period of time. Maximum AQI during this period was 130.
December 1, 2021			PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5					Unknown specific cause	No specific prevention action for this particular event	Early in the morning AQI level of Unhealthy for Sensitive Groups was noted and stayed until 9:30AM. Similar but brief trend was noticed during the afternoon. Maximum AQI noticed was 125
December 3, 2021																PM2.5	PM2.5	PM2.5	PM2.5						Unknown specific cause	No specific prevention action for this particular event	AQI was Unhealthy for Sensitive Groups for brief period of time. Maximum AQI during this period was 103.
December 10, 2021										PM2.5	PM10	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5						Natural event, local sandstorm	Natural and un-preventable	Around 10:00Am a local sandstorm was observed escalating AQI into hazardous level. Sandstorm gradually settled down and better air quality was noticed after 14:00. Maximum AQI was 525.
December 11, 2021		PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5						Natural event, local sandstorm	Natural and un-preventable	visibility dust conditions were noticed in the morning part of the day causing unstable AQI between Unhealthy for Sensitive Groups and Unhealthy. Local
December 13, 2021					PM2.5																				Unknown specific cause	No specific prevention action for this particular event	AQI was Unhealthy for Sensitive Groups for brief period of time. Maximum AQI during this period was 113.
January 6, 2022										PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5						Unknown specific cause	No specific prevention action for this particular event	Around 10am AQI level escalated to Unhealthy and stayed until around 12pm. Max AQI level recorded was around 171
January 12, 2022					PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5						Unknown specific cause	No specific prevention action for this particular event	Early morning (06:30) AQI escalated to Unhealthy for Sensitive Groups until 11:15AM. Later in the day brief episodes of Unhealthy for Sensitive Groups AQI level were noticed. Max AQI level recorded was around 149
January 13, 2022										PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5						Unknown specific cause	No specific prevention action for this particular event	Brief intervals of AQI level Unhealthy for Sensitive Groups were recorded during the day. Maximum recorded AQI was 105.
January 14, 2022	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	Unknown specific cause	No specific prevention action for this particular event	AQI was Unhealthy for Sensitive Groups for the most part of morning until 09:15 with better air quality was noticed throughout the day. Maximum recorded AQI was 123.
January 21, 2022															PM2.5	PM2.5	PM2.5	PM2.5	PM2.5			PM2.5	PM2.5		Natural event, local sandstorm	Natural and un-preventable	In the Afternoon AQI elevated to Unhealthy for Sensitive group and further into Unhealthy levels. Air Quality improved after 17:45 but again later in the evening (21:00) elevated to Unhealthy for Sensitive group and further into Unhealthy levels. Maximum AQI was 157.
January 22, 2022	PM2.5	PM10	PM10	PM10	PM10	PM10	PM10	PM10	PM10	PM10	PM10	PM10	PM10	PM10	PM10	PM10	PM10	PM10	PM10	PM10	PM10	PM10	PM10	PM10	Natural event, local sandstorm	Natural and un-preventable	Due to a local sandstorm AQI remained above Unhealthy level through out the entire day. Hazardous AQI was also recorded for most part of the day time. Recorded AQI average was 342 and maximum was 489.
January 23, 2022	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	Unknown specific cause	No specific prevention action for this particular event	AQI remained Unhealthy for Sensitive Groups for the entire morning (up to 11:45) with better air quality noticed during the day. Maximum recorded AQI was 159.
January 30, 2022	A local fire incident in Thuwal was reported, Smoke from the fire was visible inside KAUST. No noticeable impact of this fire was observed in KAUST weather station AQI data.																									KAUST GA formally communicated KAUST concerns to Government department	
February 6, 2022			PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5					Unknown specific cause	No specific prevention action for this particular event	AQI was Unhealthy for Sensitive Groups for brief period of time. Maximum AQI during this period was 103.
February 7, 2022										PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5	PM2.5					Unknown specific cause	No specific prevention action for this particular event	Around 10:00AM AQI level escalated to Unhealthy for Sensitive Group and stayed until around 1.30 pm with briefly elevation to Unhealthy level. Max AQI level recorded was around 158

POOR AIR QUALITY EPISODES & SIGNIFICANT INCIDENTS

This list is updated on a regular basis



101-150 Unhealthy for Sensitive Groups 151-200 Unhealthy 201-300 Very Unhealthy 300+ Hazardous

Text above the AQI bar indicates responsible pollutant for that particular AQI

Date	Time (hour)																								Root Cause	Recurrence Prevention From This Particular Event	Summary
	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00			
February 8, 2022														PM2.5						PM2.5					Unknown specific cause	No specific prevention action for this particular event	Around 12:45PM AQI level escalated to Unhealthy for Sensitive Group and stayed until around 7.00pm with briefly elevation to Unhealthy level. Max AQI level recorded was around 152
February 9, 2022					PM2.5													PM2.5							Unknown specific cause	No specific prevention action for this particular event	Starting around midnight and until noon at 12, AQI level of Unhealthy for Sensitive Groups have been noted, again around 4.30 PM AQI level escalated to Unhealthy for Sensitive Group and stayed until around 9.15 pm Max AQI recorded was 116
February 10, 2022						PM2.5																			Unknown specific cause	No specific prevention action for this particular event	For a short period early in the morning at 5.15 am, AQI level raised to Unhealthy for Sensitive Groups, max AQI level recorded was around 102 which is just at the border of Moderate AQI.
February 13, 2022																									Unknown specific cause	No specific prevention action for this particular event	For a short period early in the morning at 10.45 am to 11.45 am, AQI level raised to Unhealthy for Sensitive Groups, max AQI level recorded was around 110.
February 21, 2022																									Unknown specific cause	No specific prevention action for this particular event	For a short period early in the morning at 9:00 am to 11.45 am, AQI level raised to Unhealthy for Sensitive Groups, max AQI level recorded was around 117.
February 22, 2022																								O3	Unknown specific cause	No specific prevention action for this particular event	Ozone was the responsible pollutant for AQI level in Unhealthy for Sensitive Group. Around 10 pm, night time Ozone caused escalation of AQI to Unhealthy for Sensitive Group for almost 3 hours. Max recorded AQI during this period was 112
February 23, 2022																									Unknown specific cause	No specific prevention action for this particular event	Continuing from the previous Night , For a short period O3 was responsible pollutant for AQI level in Unhealthy for Sensitive Group till 12.30 am
February 24, 2022																									Unknown specific cause	No specific prevention action for this particular event	Around evening and in late night AQI level escalated to Unhealthy for Sensitive Group for short duration PM2.5 was responsible pollutant . Max AQI level recorded was around 110
February 25, 2022																									Unknown specific cause	No specific prevention action for this particular event	Continuing from the previous Night , For a short period until at 2.00 am, AQI level raised to Unhealthy for Sensitive Groups, max AQI level recorded was around 109.
February 26, 2022																									Unknown specific cause	No specific prevention action for this particular event	AQI remained as Unhealthy for Sensitive Groups for period from 1.00 am to 7.30 am due to PM2.5. Maximum AQI during this period was 124.
March 2, 2022																									Unknown specific cause	No specific prevention action for this particular event	AQI remained as Unhealthy for Sensitive Groups for brief period of time due to PM2.5. Maximum AQI during this period was 102.
March 3, 2022																									Unknown specific cause	No specific prevention action for this particular event	AQI remained as Unhealthy for Sensitive Groups for period from 1.00 am to 7.30 am due to PM2.5. Maximum AQI during this period was 124.
March 4, 2022																									Unknown specific cause	No specific prevention action for this particular event	AQI remained as Unhealthy for Sensitive Groups for brief period of time from 5.30 pm to 8.15 pm due to PM2.5. Maximum AQI during this period was 107.
March 6, 2022																									Unknown specific cause	No specific prevention action for this particular event	AQI remained as Unhealthy for Sensitive Groups for period from 10.00 am to 11.45 am due to PM2.5. Maximum AQI during this period was 104.
March 8, 2022																									Unknown specific cause	No specific prevention action for this particular event	AQI remained as Unhealthy for Sensitive Groups for period from 5.30 am to 1.45 pm due to PM2.5. Maximum AQI during this period was 108.
March 9, 2022																									Unknown specific cause	No specific prevention action for this particular event	Intermittent AQI level of Unhealthy for Sensitive Groups was noted throughout the day with improved air quality early in the morning, around lunch time again in eve by 6.00 PM AQI level of Unhealthy for Sensitive Groups was noted again till mid night. Maximum AQI during this period was 108 due to PM2.5.
March 10, 2022																									Unknown specific cause	No specific prevention action for this particular event	Continuing from the previous night AQI remained as Unhealthy for Sensitive Groups for period from 1.00 am to 7.30 am due to PM2.5. Maximum AQI during this period was 108.
March 11, 2022																									Unknown specific cause	No specific prevention action for this particular event	AQI remained as Unhealthy for Sensitive Groups for most of the time from after noon with briefly escalating to Unhealthy level due to PM2.5. Maximum AQI was 153.

POOR AIR QUALITY EPISODES & SIGNIFICANT INCIDENTS

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101-150 Unhealthy for Sensitive Groups 151-200 Unhealthy 201-300 Very Unhealthy 300+ Hazardous

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Date	Time (hour)																								Root Cause	Recurrence Prevention From This Particular Event	Summary			
	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00						
March 12, 2022	PM2.5		PM2.5			PM2.5			PM2.5		PM2.5										PM2.5				Unknown specific cause	No specific prevention action for this particular event	AQI remained as Unhealthy for Sensitive Groups for most of the time after 12.45 pm with briefly escalating to Unhealthy level due to PM2.5. Maximum AQI was 192.			
March 16, 2022																	PM2.5	PM2.5						Unknown specific cause	No specific prevention action for this particular event	For a short period in the evening at 4.15 pm to 7.15 pm, AQI level raised to Unhealthy for Sensitive Groups in between for half an hour AQI became unhealthy, max AQI level recorded was around 117.				
March 17, 2022	PM2.5		PM2.5						PM2.5																Unknown specific cause	No specific prevention action for this particular event	Around 1.15 AM AQI level escalated to Unhealthy for Sensitive Group and stayed until around 3.00 AM with briefly escalating to Unhealthy level till 9.15 am afterwards for 3 hours till 12.15 PM AQI level reduced to Unhealthy for Sensitive Groups. Max AQI level recorded was around 161.			
March 18, 2022											PM2.5														Unknown specific cause	No specific prevention action for this particular event	AQI remained as Unhealthy for Sensitive Groups for brief period of time from 10.00 am to 2.00 pm due to PM2.5. Maximum AQI during this period was 135.			
March 27, 2022	PM2.5				PM2.5		PM2.5		PM2.5	PM2.5		PM2.5		PM2.5									Unknown specific cause	No specific prevention action for this particular event	Intermittent AQI level of Unhealthy for Sensitive Groups was noted throughout the day with improved air quality early in the morning, around lunch time and later till late night. Maximum AQI during this period was 151 due to PM2.5					
March 28, 2022					PM2.5										PM2.5									Unknown specific cause	No specific prevention action for this particular event	AQI remained as Unhealthy for Sensitive Groups for most of the time with briefly escalating to Unhealthy level due to PM2.5. Maximum AQI during this period was 166 due to PM2.5				
March 29, 2022	PM2.5																PM2.5								Unknown specific cause	No specific prevention action for this particular event	AQI remained as Unhealthy level for most of the time due to PM2.5. Maximum AQI during this period was 170 due to PM2.5			
March 30, 2022			PM2.5										PM2.5				PM2.5						Unknown specific cause	No specific prevention action for this particular event	Continuing from the previous day, AQI remained at Unhealthy level in the morning hours up to 10.30 AM. After 11.30 AM till 6.45 PM, AQI level reduced to Unhealthy for Sensitive Groups. Again in the late evening time AQI level briefly escalated to Unhealthy level due to PM2.5. Maximum AQI was 157					
March 31, 2022	PM2.5										PM2.5														Unknown specific cause	No specific prevention action for this particular event	Continuing from the previous night, AQI remained as Unhealthy level for most of the time till 2.15 PM with briefly decreased to Unhealthy level for sensitive groups due to PM2.5. Maximum AQI was 164.			
April 1, 2022	PM2.5				PM2.5				PM10		PM2.5										Unknown specific cause	No specific prevention action for this particular event	AQI remained as Unhealthy for Sensitive Groups for most of the time with briefly escalating to Unhealthy level due to PM2.5. Maximum AQI was 154.							
April 2, 2022	PM2.5				PM2.5				PM2.5																Unknown specific cause	No specific prevention action for this particular event	Continuing from the previous night, AQI remained as Unhealthy for Sensitive Groups till 12.15 PM due to PM2.5. Maximum AQI during this period was 131.			
April 3, 2022					PM2.5																PM2.5		Unknown specific cause	No specific prevention action for this particular event	AQI remained as Unhealthy for Sensitive Groups for period from 3.30 am to 9.45 am and again in night from 10.15 pm to late night 12.00 am due to PM2.5. Maximum AQI during this period was 122.					
April 4, 2022	PM2.5																								Unknown specific cause	No specific prevention action for this particular event	AQI remained as Unhealthy for Sensitive Groups for period from 12.15 am to 10.0 am due to PM2.5. Maximum AQI during this period was 137.			
April 5, 2022													PM2.5								PM2.5	PM2.5						Unknown specific cause	No specific prevention action for this particular event	AQI level of Unhealthy for Sensitive Groups was noted after 11.00 am till 3.45 pm after wards in night from 8.15 to 8.45 pm it was reported the same .Maximum AQI during this period was 124 due to PM2.5.
April 8, 2022															PM2.5										Unknown specific cause	No specific prevention action for this particular event	AQI remained as Unhealthy for Sensitive Groups for period from 2.00 pm to 11.15 pm due to PM2.5. Maximum AQI during this period was 120.			
April 9, 2022	PM2.5		PM2.5		PM2.5																						Unknown specific cause	HSE esclated the matter to Government Affairs who in turn informed the relvant government agency	Strong burning smell in the ambient air was reported by community members through 911. Intermittent AQI level of Unhealthy for Sensitive Groups and unhealthy for 45 mins was noted with improved air quality from noon till night ,Maximum AQI during this period was 153 due to PM2.5	

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Text above the AQI bar indicates responsible pollutant for that particular AQI

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