



**BlueScope**

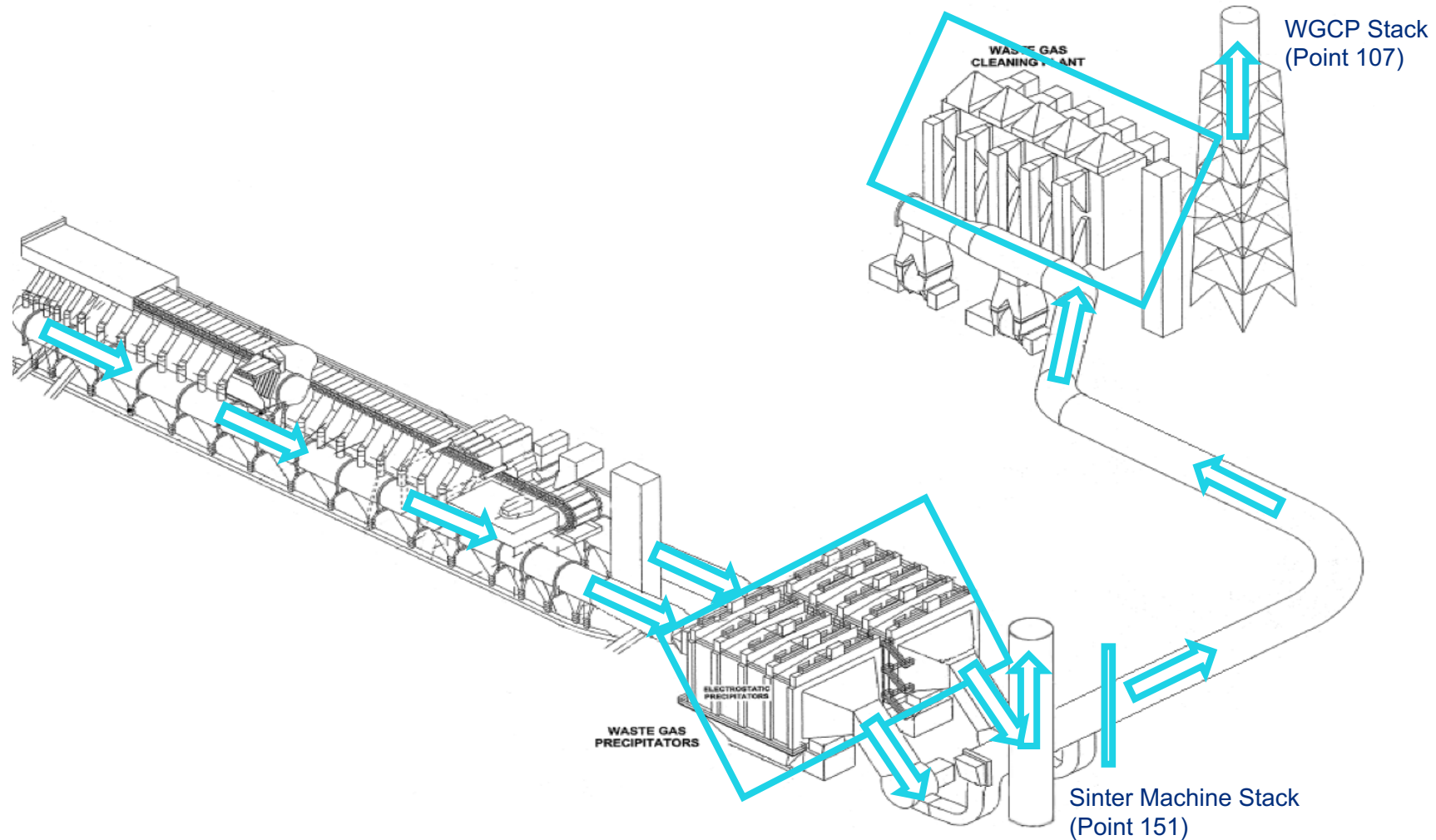
# **Sinter Plant Waste Gas Cleaning Plant May 2021 Bypass**

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# WHAT IS A SINTER PLANT WASTE GAS CLEANING PLANT (WGCP) BYPASS?



# 2020 WGCP BYPASS

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- ❑ The 2020 WGCP bypass was ceased ahead of schedule as elevated dioxins and furans (PCDD/F) concentrations were recorded in the waste gas emissions from the Sinter Plant.
- ❑ An external consultant found the risk due to inhalation exposure of PCDD/F was at least 10 000 fold lower than the maximum acceptable level based on the results recorded during the 2020 bypass.
- ❑ Following this event:
  - Extensive investigations between May to December 2020 show the PCDD/F concentration can be minimised by altering the ore blend addition to the raw materials bed.
  - >50 samples have been analysed with the alteration and all results were less than the licence limit (0.3ng/Nm<sup>3</sup>).
  - BlueScope technical and laboratory personnel have worked closely with National Measurement Institute (NMI) Laboratory to reduce result turn around times from 3-4 weeks to 5-7 days.

# 2021 WGCP BYPASS

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- A WGCP bypass of up to 3 weeks is required to complete maintenance activities that remain outstanding from the 2020 bypass.
- Outstanding maintenance includes replacement of a portion of the WGCP stack.
- A bypass is required to ensure the safe operation of the WGCP and the continued, efficient cleaning of the Sinter Plant waste gas prior to emission.

# 2021 WGCP BYPASS





# 2021 WGCP BYPASS

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- ❑ A raw materials bed with the same composition planned for the bypass period will be consumed and tested for 10 days between late March and early April for further confirmation of investigation outcomes.
- ❑ 5 days of PCDD/F sampling will occur on the actual raw material bed to be used in the bypass before converting to bypass configuration.
- ❑ Daily PCDD/F samples will be taken at the commencement of the bypass (increased from one sample per week).
- ❑ If PCDD/F exceeds the licence limit of 0.3ng/Nm<sup>3</sup> during the May 2021 bypass, the bypass will be terminated as soon as practicable.
- ❑ Results will publicly available on BlueScope's website ([www.bluescopeillawarra.com.au](http://www.bluescopeillawarra.com.au))

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# Thank you