

7 January 2021

Department of Planning, Industry and Environment
PO Box 488G
Newcastle, NSW 2304
Email: via Department Major Projects Portal

Attention: Joel Curran

Dear Joel,

Re: Annual Ammonia Flare Activation Summary (January 2020 – December 2020)

I refer to Condition 51C Flare Activation of Orica's SSD 08_0129 requiring the site to report all ammonia flare activations on an annual basis by the 31 March after 12 months of operation. This summary fulfils this requirement.

During the 12-month reporting period, commencing 1 January 2020 and concluding 31 December 2020, the following flare activation events occurred at either the Nitrates, Ammonia Storage or Ammonia Plant flares (see attached).

If you require any further information, please do not hesitate to contact me.

Yours sincerely



Nathan Robinson
Senior Specialist – Environment

Attachment 1 – CY 2020 Flare activations – Orica KI

Attachment 1 – Flare activations – Orica KI

Date/Time	Duration	Quantity of Ammonia	Flare operating (Y/N)	Description of cause	Action taken to prevent recurrence
NITRATES FLARE					
11/11/20-19/11/20	9 days	approx. 45868.3kg	Y	Imported (via ship tanker) ammonia was used during Ammonia Plant Maintenance shutdown to maintain ammonium nitrate production. Aqua Ammonia tanks exceeded capacity after high blowdowns to Nitrates Scrubber due to the imported ammonia supply containing higher water/oil content than direct supply from the KI ammonia plant.	None – required activity
AMMONIA PLANT FLARE	None				
AMMONIA STORAGE FLARE	None				