

LEVEL 3 AND HIGHER ENVIRONMENTAL INCIDENTS IN 2018

No	Incident date	Incident level	Operation/site	Description	Remedial action taken	Current status
US PGM operations						
1	5 June 2018	3	East Boulder	Hydraulic hose failure on 980G loader at the crusher.	<ul style="list-style-type: none"> Absorbent pads were used to clean up the free liquid. Impacted soils were excavated and placed in a hopper for proper disposal. 	Closed
SA PGM operations						
2	4 January 2018	3	Kroondal	The K150 return water dam overflowed into the Kroondal tributary. It was a short-term spill and no environmental impact was observed.	<ul style="list-style-type: none"> Immediately stopped pumping from Marikana Lowered pump suction to further reduce dam water level 	Closed
3	12 April 2018	3	Kroondal	A repeat incident at the K150 return water dam that overflowed into the Kroondal tributary. It was a short-term spill and no environmental impact was observed.	<ul style="list-style-type: none"> Immediately stopped pumping from Marikana Lowered pump suction to further reduce dam water level 	Closed
4	6 June 2018	3	Bathopele	The pollution control dam overflowed into the Paardekraalspruit. It was a short-term spill and no environmental impact was observed.	<ul style="list-style-type: none"> Pump maintenance Pumping system reconfigured to optimise and control pump volumes 	Closed
SA Gold operations						
5	23 March 2018	3	Driefontein	The return water dam at the Driefontein 4 tailings dams overflowed into an adjacent channel flowing into the Wonderfonteinspruit. It was a short-term spill with dilution and no impact was observed.	<ul style="list-style-type: none"> Return water dams cleaned to create more capacity Return pumps replaced to return maximum volume to gold plant 	Closed
6	6 June 2018	3	Beatrix	A section of the pipeline, which returns seepage water to an evaporation dam, was stolen. The resulting discharge flowed into the Theronspruit via a stormwater trench. It was a short-term spill and no environmental impact was observed.	<ul style="list-style-type: none"> Immediately stopped pumping Replaced missing section of pipeline Increased security patrols to prevent or limit theft of critical infrastructure 	Closed

For more information on how we manage our environmental impact, refer to 2018 Integrated Annual Report