Lonmin WPL TSF's – Investor Requested Information

a) Fraser Alexander Tailings is responsible for the maintenance and operation of the dams. SRK Consultants (external engineering consultants) conducts overview on the monitoring data provided by the operators and carries out quarterly reviews on active dams, with the team comprising internal mine personnel and Fraser Alexander and reports to Lonmin. An annual report is compiled by the external consultants, SRK, and shared with the governmental authorities (Department of Mineral Resources - DMR) and Lonmin

b) All Lonmin tailings dams are constructed using the upstream method. Following the Brumadinho's incident, SRK Consultants were engaged to review the operations to ascertain the operating regime and stability. All dams were confirmed to be operated within the design parameters and the risk to be within acceptable limits

Question	WTD1	WTD2	WTD5	WTD6	WTD7
1. "Tailings Facility" Name/identifier	Lonmin Westerns Tailings Dam 1	Lonmin Westerns Tailings Dam 2	Lonmin Westerns Tailings Dam 5	Lonmin Westerns Tailings Dam 6	Lonmin Westerns Tailings Dam 7
2. Location (Longitude; Latitude)	27°30'33.46"E 25°42'30.54"S	27°31'36.81"E 25°42'53.84"S	27°31'35.07"E 25°41'48.40"S	27°33'29.69"E 25°40'28.05"S	27°32'27.15"E 25°42'7.25"S
3. Ownership	Lonmin owned	Lonmin owned	Lonmin owned	Lonmin owned	Lonmin owned
4. Status	Inactive	Inactive – Currently being mechanically mined for underground support	Inactive	Active	Inactive
5. Date of initial operation	Pre-1980	Pre-1980	1980	2000	1992
6. Is the Dam currently operated or closed as per currently approved design?	Not depositing, under care & maintenance	No, re-mined for underground support	Not depositing, under care & maintenance	Yes, in operation	Not depositing, under care & maintenance
7. Raising method	Upstream	Upstream	Upstream	Upstream	Upstream
8. Current Maximum Height	23 m	34 m	63 m (March 2018)	30 m (May 2018)	23 m
9. Current Tailings Storage Impoundment Volume (m^3)	3.1 mil (March 2017)	6.5 mil (March 2018)	45.8 mil (September 2018)	17.8 mil (November 2018)	5.3 mil (March 2018)

10. Planned Tailings Storage Impoundment Volume in 5 years' time.	3.1 mil	6.5 mil	45.8 mil	Approximately 33.3 mil m^3	5.3 mil
11.Most recent Independent Expert Review	September 2018	September 2018	February 2019	February 2019	September 2018
12. Do you have full and complete relevant engineering records including design, construction, operation, maintenance, and/or closure?	No	No	Yes	Yes	Yes
13. What is your hazard categorisation of this facility, based on the consequence of failure?	Medium hazard	Medium hazard	High hazard	High hazard	High hazard
14. What guideline do you follow for the classification system?	(South African National Standards) SANS 10286 – Mine residue	(South African National Standards) SANS 10286 – Mine residue	(South African National Standards) SANS 10286 – Mine residue	(South African National Standards) SANS 10286 – Mine residue	(South African National Standards) SANS 10286 – Mine residue
15. Has this facility, at any point in its history, failed to be confirmed or certified as stable, or experienced notable stability concerns, as identified by an independent engineer (even if later certified as stable by the same or a different firm).	No	No	No	No	No
16. Do you have internal/in house engineering specialist oversight of this facility? Or do you have external engineering support for this purpose?	Yes – In-house engineering oversight by Lonmin personnel; Fraser Alexander (Dam Operators) & SRK Consultants (External engineering support)	Yes – In-house engineering oversight by Lonmin personnel; Fraser Alexander (Dam Operators) & SRK Consultants (External engineering support)	Yes – In-house engineering oversight by Lonmin personnel; Fraser Alexander (Dam Operators) & SRK Consultants (External engineering support)	Yes – In-house engineering oversight by Lonmin personnel; Fraser Alexander (Dam Operators) & SRK Consultants (External engineering support)	Yes – In-house engineering oversight by Lonmin personnel; Fraser Alexander (Dam Operators) & SRK Consultants (External engineering support)
17. Has a formal analysis of the downstream impact on communities, ecosystems and critical infrastructure in the event of catastrophic failure been undertaken and to reflect final conditions? If so, when did this assessment take place?	Zone of Influence assessment (conducted in August 2012) in accordance to the safety classification specifications of SANS 10286. Environmental Classification as per	Zone of Influence assessment (conducted in August 2012) in accordance to the safety classification specifications of SANS 10286. Environmental Classification as per	Zone of Influence assessment (conducted in August 2012) in accordance to the safety classification specifications of SANS 10286. Environmental Classification as per	Zone of Influence assessment (conducted in August 2012) in accordance to the safety classification specifications of SANS 10286. Environmental Classification as per	Zone of Influence assessment (conducted in August 2012) in accordance to the safety classification specifications of SANS 10286. Environmental Classification as per

	EIA/EMPr	EIA/EMPr	EIA/EMPr	EIA/EMPr	EIA/EMPr
18. Is there a) a closure plan in place for this dam, and b) does it include long term monitoring?	a) No b) No	a) No b) No	a) Yes b) Yes	a) Yes b) Yes	a) Yes b) Yes
19. Have you, or do you plan to assess your tailings facilities against the impact of more regular extreme weather events as a result of climate change, e.g. over the next two years?	Yes. Assessed on actual weather condition and dam is maintained and operated to withstand a 1:100 year flood event	Yes. Assessed on actual weather condition and dam is maintained and operated to withstand a 1:100 year flood event	Yes. Assessed on actual weather condition and dam is maintained and operated to withstand a 1:100 year flood event	Yes. Assessed on actual weather condition and dam is maintained and operated to withstand a 1:100 year flood event	Yes. Assessed on actual weather condition and dam is maintained and operated to withstand a 1:100 year flood event
20. Any other relevant information and supporting documentation. **Please state if you have omitted any other exposure to tailings facilities through any joint ventures you may have.**	Annual report No joint ventures	Annual report No joint ventures	Annual report No joint ventures	Annual report No joint ventures	Annual report No joint ventures