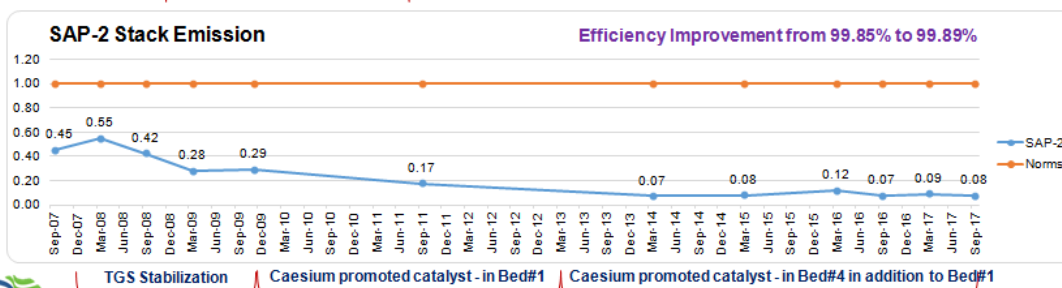
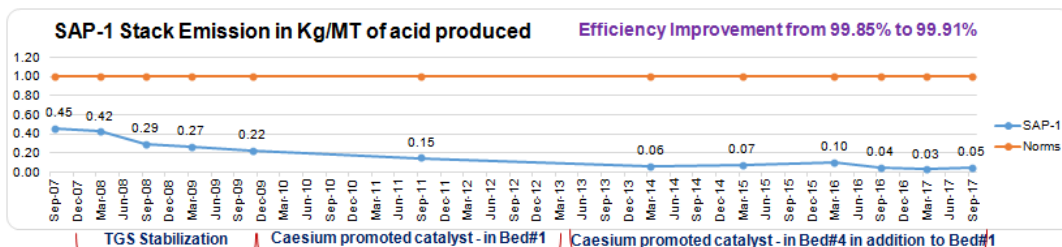


Stack Analysis

Stack Analysis by TNPCB (values in kg / MT of acid produced)

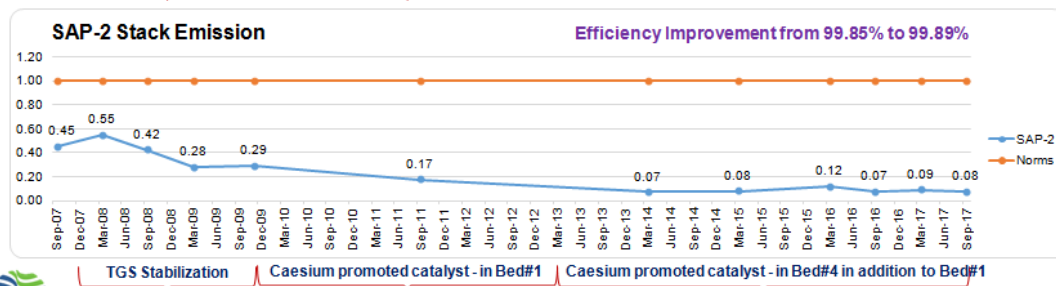
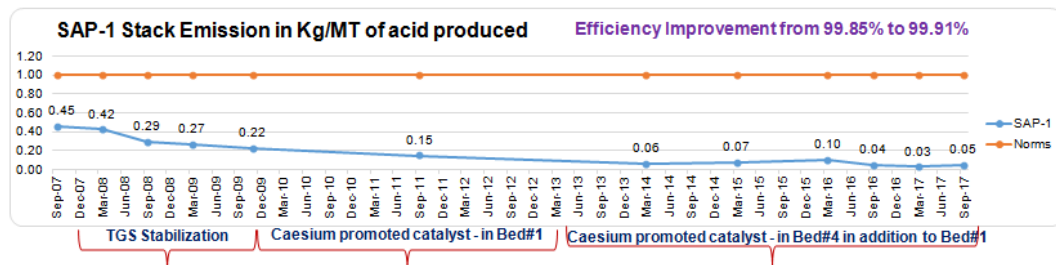


one vision . one vedanta

*Norm : For each stack - 1 kg of SO₂ / MT of acid produced

11

Stack Analysis by TNPCB (values in kg / MT of acid produced)

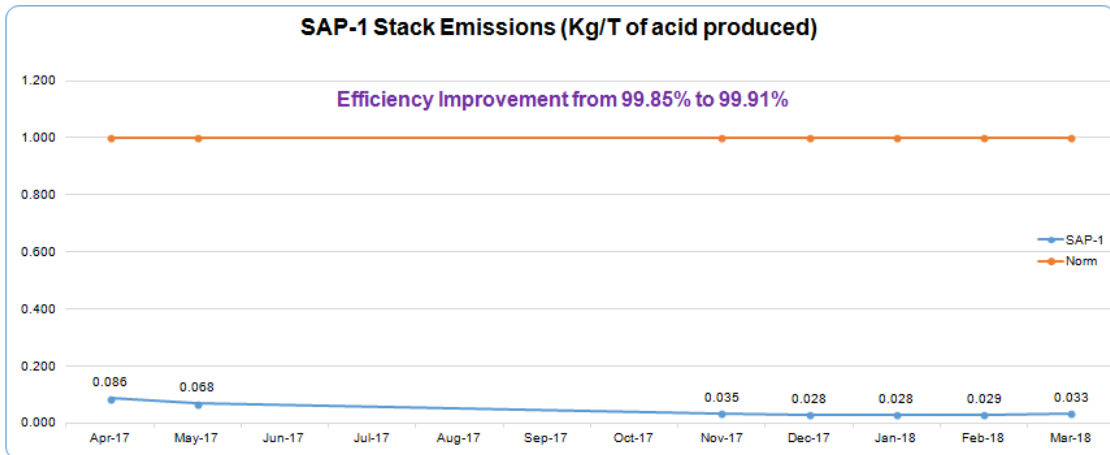


one vision . one vedanta

*Norm : For each stack - 1 kg of SO₂ / MT of acid produced

11

Continuous Online Stack Emission – to Air Care Centre



- Online stack emissions are real-time captured and sent to Care Air Centre, TNPCB, Chennai
- Last 1 year data reveals that the actual emissions are well within the prescribed standard of 1 Kg/Ton of acid produced in SAP-1

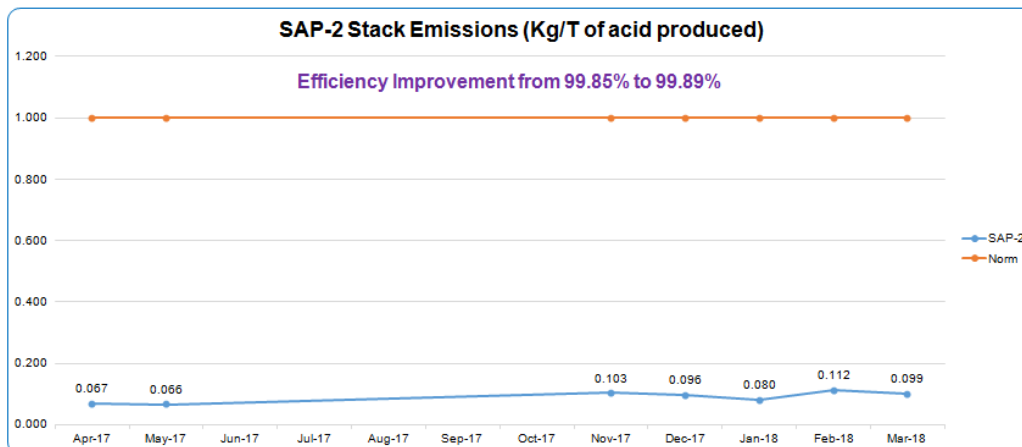


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Norm : For each stack - 1 kg of SO₂ / MT of acid produced

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Continuous Online Stack Emission – to Air Care Centre



- Online stack emissions are real-time captured and sent to Care Air Centre, TNPCB, Chennai
- Last one year data reveals that the actual emissions are well within the prescribed standard of 1 Kg/Ton of acid produced in SAP 2

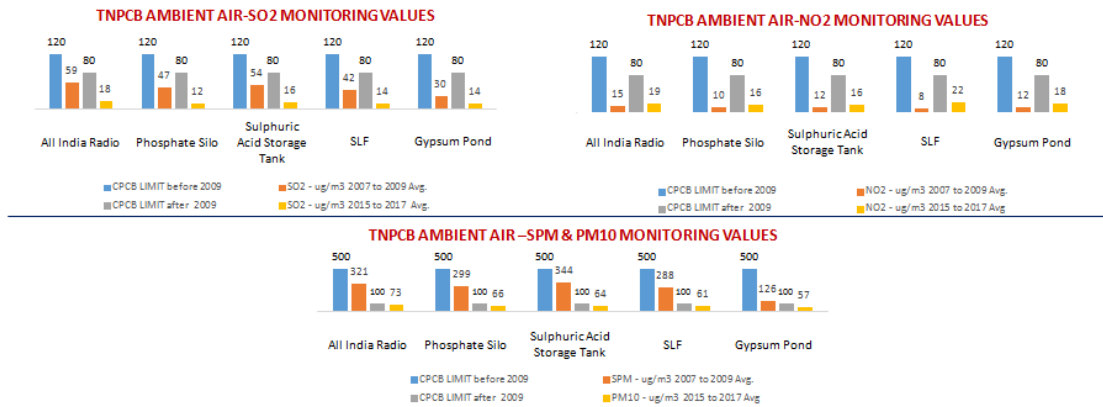


one vision . one vedanta

Norm : For each stack - 1 kg of SO₂ / MT of acid produced

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TNPCB Data on Ambient Air Quality – Comparison (2007-09 Vs 2015-17)



- CPCB Ambient Air Quality Limits before 2009 & after 2009 were SO₂- 120 Vs 80, NO_x – 120 Vs 80, & SPM, PM10 – 500 Vs 100 microgram/ Nm³
- TNPCB Data of 3 years of average (2007 -2009) Vs (2015-2017) is compared in the above analysis @ 4LTPA scenario
- Data above covers for the 5 locations as fixed by TNPCB during their analysis
- As standards became stringent, the plant undertook several improvement measures to bring down emission levels
- Some improvement measures include Tail gas scrubber, 3+2 stage converters & Caesium promoted catalyst in SAP, FGDS with bag filters, etc.,

