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Dear Mr. Mahlangu

ARNOT POWER STATION'S RELIABILITY CALCULATIONS

The calculations below indicate the availability of the PM and gaseous monitors on both the south and north stack from 1 April 2015 till 31 March 2016. The south Stack gaseous monitor readings were only verified on 05/11/2016 at 14:00.

North Stack PM Monitor

$$\begin{aligned}\text{Monitor availability} &= [(\text{Total hours per year} - \text{Hours monitor unavailable}) / \text{Total hours per year}] \\ &= [(8760 - 16) / 8760] * 100 \\ &= 0.9987 * 100 \\ &= 99.87\%\end{aligned}$$

North Stack SO monitor

$$\begin{aligned}\text{Monitor availability} &= [(\text{Total hours per year} - \text{Hours monitor unavailable}) / \text{Total hours per year}] \\ &= [(8760 - 148) / 8760] * 100 \\ &= 0.9831 * 100 \\ &= 98.31\%\end{aligned}$$

North Stack NO monitor

$$\begin{aligned}\text{Monitor availability} &= [(\text{Total hours per year} - \text{Hours monitor unavailable}) / \text{Total hours per year}] \\ &= [(8760 - 148) / 8760] * 100 \\ &= 0.9831 * 100 \\ &= 98.31\%\end{aligned}$$

South Stack PM monitor

$$\begin{aligned}\text{Monitor availability} &= [(\text{Total hours per year} - \text{Hours monitor unavailable}) / \text{Total hours per year}] \\ &= [(8760 - 7) / 8760] * 100 \\ &= 0.9992 * 100 \\ &= 99.92\%\end{aligned}$$

South Stack SO monitor

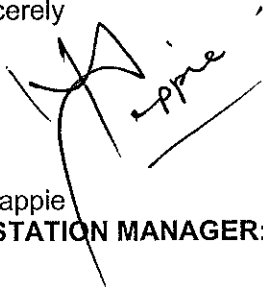
$$\begin{aligned} \text{Monitor availability} &= [(\text{Total hours per year} - \text{Hours monitor unavailable}) / \text{Total hours per year}] \\ &= [(3538 - 591) / 3538] * 100 \\ &= 0.8329 * 100 \\ &= 83.29\% \end{aligned}$$

South Stack NO Monitor

$$\begin{aligned} \text{Monitor availability} &= [(\text{Total hours per year} - \text{Hours monitor unavailable}) / \text{Total hours per year}] \\ &= [(3538 - 591) / 3538] * 100 \\ &= 0.8329 * 100 \\ &= 83.29\% \end{aligned}$$

Hoping the above will meet your satisfaction.

Yours sincerely

A handwritten signature in black ink, appearing to read 'Shamiel Jappie', written over a horizontal line.

Shamiel Jappie
POWER STATION MANAGER: ARNOT