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ARKOIL Technologies Nederland B.V.

Weena 290, 3012 NJ
Rotterdam, The Netherlands

Attn: Marat Nurlygaianov

RE: **TANK-170 CLEANING PROJECT – BRUNEI SHELL PETROLEUM SDN BHD**

By the present letter we confirm that Arkoil Technologies Nederland B.V. in collaboration with CIC Environmental Services Sdn Bhd successfully performed the cleaning of the tank T170 with the capacity of 12 300 m³ for Brunei Shell Petroleum at Seria Crude Oil Terminal.

Arkoil's scope of work included Non-man Entry tank cleaning by means of steaming and hydraulic washing.

Estimated volume of oil sludge prior the commencement of the project was equal to 6 600 m³. Laboratory studies showed a high concentration of solids in the oil sludge (around 78%).

Application of Arkoil tank cleaning technology significantly reduced cleaning time almost thrice compared to the terms of previously executed similar tank cleaning projects at Seria Crude Oil Terminal.

Arkoil Technologies Nederland B.V. fulfilled all its obligations in compliance with the agreed deadlines including but not limited timely mobilization, assembling and manufacturing of its original self-developed equipment based on the tank's peculiarities, available drawings and client's requirements. Notwithstanding the complexity of the project Arkoil maintained tank integrity adapting and customizing its technical approach.

All the on-site works professionally performed by Arkoil engineering team were carried out strictly in conformity with existing local Safety and Environmental Standards. Moreover, the proposed method of cleaning minimized risks for the manpower since its intervention was required only on the final stage – during the mechanical removal of the minor amount of sediments from the bottom of the tank.

Yours faithfully

CIC ENVIRONMENTAL SERVICES SDN BHD

Rusli Sulaiman
Project Manager

