

ภาคผนวกที่ 34

Reactor (AR-110) Internal Cleaning Procedure

และตัวอย่างผลการดำเนินการ



PTT Asahi Chemical Company Limited

Title : Reactor (AR-110) Internal Cleaning

Document No : WI-AN-1050

Revision No: 2

Effective date : 02-Jul-18

จัดทำโดย

Prepared By

ทบทวนโดย

Reviewed By

อนุมัติใช้โดย

Approved By

หน่วยงานเจ้าของเอกสาร

AN Production Division

Department/Division



PTT Asahi Chemical Company Limited

Title : Reactor (AR-110) Internal Cleaning

Document No : WI-AN-1050

Revision No: 2

Effective date : 02-Jul-18



PTT Asahi Chemical Company Limited

Title : Reactor (AR-110) Internal Cleaning

Document No : WI-AN-1050

Revision No: 2

Effective date : 02-Jul-18



PTT Asahi Chemical Company Limited

Title : Reactor (AR-110) Internal Cleaning

Document No : WI-AN-1050

Revision No: 2

Effective date : 02-Jul-18

--



PTT Asahi Chemical Company Limited

Title : Reactor (AR-110) Internal Cleaning

Document No : WI-AN-1050

Revision No: 2

Effective date : 02-Jul-18



PTT Asahi Chemical Company Limited

Title : Reactor (AR-110) Internal Cleaning

Document No : WI-AN-1050

Revision No: 2

Effective date : 02-Jul-18

--



PTT Asahi Chemical Company Limited

Title : Reactor (AR-110) Internal Cleaning

Document No : WI-AN-1050

Revision No: 2

Effective date : 02-Jul-18



PTT Asahi Chemical Company Limited

Title : Reactor (AR-110) Internal Cleaning

Document No : WI-AN-1050

Revision No: 2

Effective date : 02-Jul-18



PTT Asahi Chemical Company Limited

Title : Reactor (AR-110) Internal Cleaning

Document No : WI-AN-1050

Revision No: 2

Effective date : 02-Jul-18



PTT Asahi Chemical Company Limited

Title : Reactor (AR-110) Internal Cleaning

Document No : WI-AN-1050

Revision No: 2

Effective date : 02-Jul-18



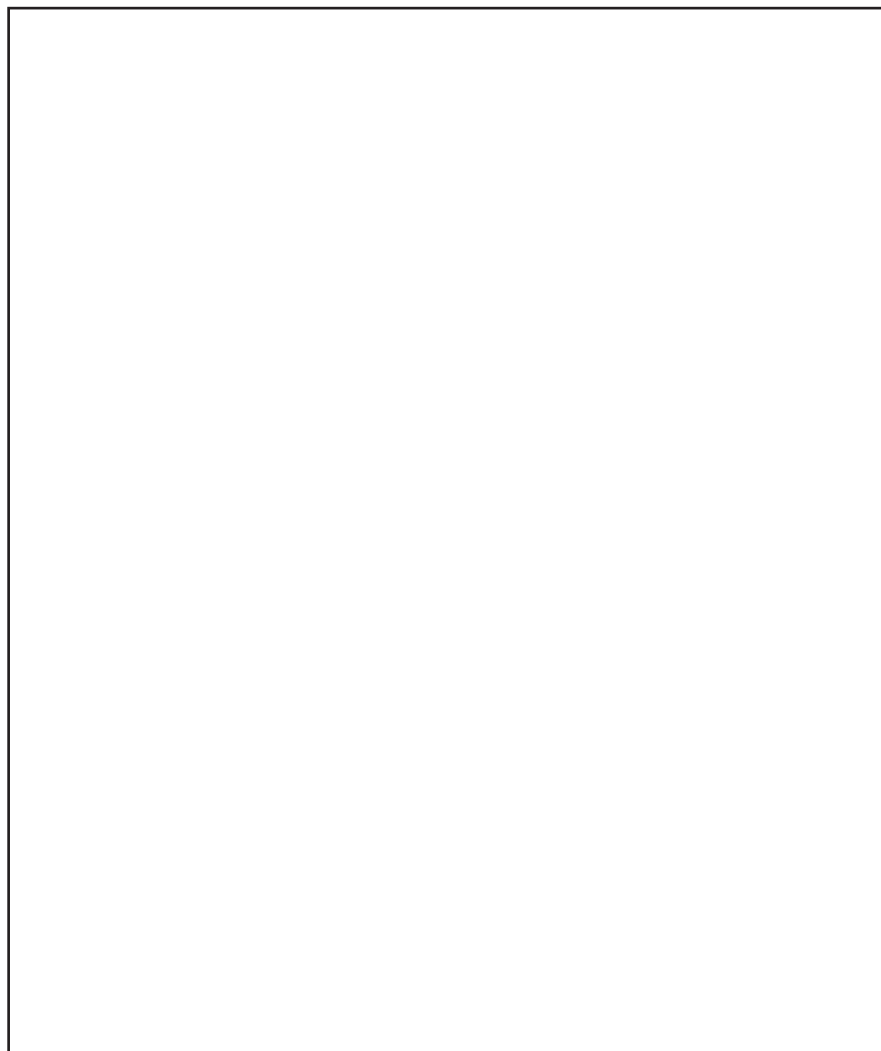
PTT Asahi Chemical Company Limited

Title : Reactor (AR-110) Internal Cleaning

Document No : WI-AN-1050

Revision No: 2

Effective date : 02-Jul-18





ASSS SERVICES AND SUPPLY LIMITED PARTNERSHIP

102/2 M.2 T. Banchang A. Banchang Rayong 21130 THAILAND

Tel. 033-013-498 Fax : 033-013-499

E-mail: asss_admin@asss.co.th Website : www.asss.co.th

Project No:	PTT Asahi Reactor unload and cleaning during Jun – Nov 2022	Execution Date:	24 Jul 22 – 18 Aug 22
Client Name:	PTT asahi chemical company limited	Report No:	ASSS-2207101 Rev.00
Equipment No:	Reactor AR-110 C	Preparation By:	MR. Kachen Ch.

MAINTENNANCE REPORT

1. Mobilization Equipment and Tools to Site and Set-Up



2. Insert Blind 34 Point Asper Blind List and Drop Spool Line 12"





ASSS SERVICES AND SUPPLY LIMITED PARTNERSHIP

102/2 M.2 T. Banchang A. Banchang Rayong 21130 THAILAND

Tel. 033-013-498 Fax : 033-013-499

E-mail: asss_admin@asss.co.th Website : www.asss.co.th

3. Open All Manhole and Set Up Air Condition and Air Ventilation



4. Installation Cover Rain at Dip Leg Flange



5. Catalyst Unload by Vacuum Engine (KB-062 Total 58 Drum) (KEW-062 Total 27 Drum)





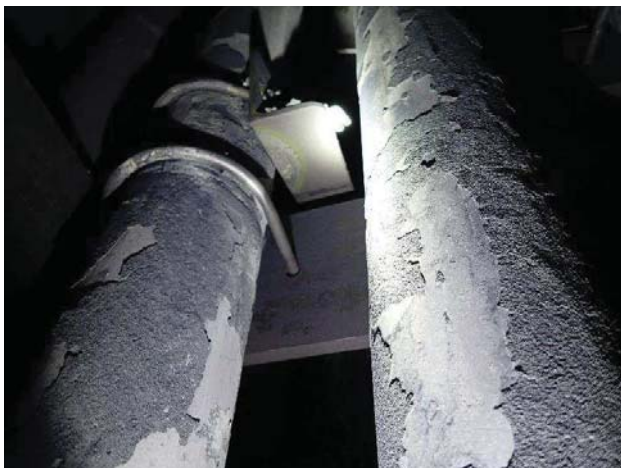
ASSS SERVICES AND SUPPLY LIMITED PARTNERSHIP

102/2 M.2 T. Banchang A. Banchang Rayong 21130 THAILAND

Tel. 033-013-498 Fax : 033-013-499

E-mail: asss_admin@asss.co.th Website : www.asss.co.th

6. As Found Inspection by PTT AC





ASSS SERVICES AND SUPPLY LIMITED PARTNERSHIP

102/2 M.2 T. Banchang A. Banchang Rayong 21130 THAILAND

Tel. 033-013-498 Fax : 033-013-499

E-mail: asss_admin@asss.co.th Website : www.asss.co.th

7. Installation Hex Bolt 1,112 Pcs/Installation Guard Pipe



8. Internal Leaning, Coil, Structure Beam, Cyclone, Wall, Top Dome, Bottom Air Grid





ASSS SERVICES AND SUPPLY LIMITED PARTNERSHIP

102/2 M.2 T. Banchang A. Banchang Rayong 21130 THAILAND

Tel. 033-013-498 Fax : 033-013-499

E-mail: asss_admin@asss.co.th Website : www.asss.co.th

9. Dip Leg Cleaning 42 Line



10. Repair U-Bolt and Support Beam



11. Inspection After Cleaning.



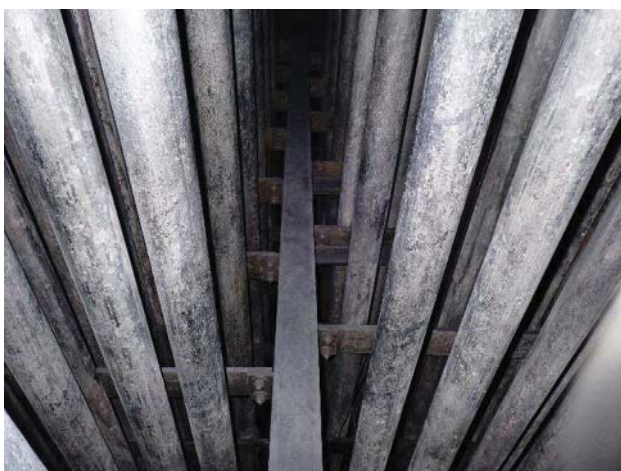


ASSS SERVICES AND SUPPLY LIMITED PARTNERSHIP

102/2 M.2 T. Banchang A. Banchang Rayong 21130 THAILAND

Tel. 033-013-498 Fax : 033-013-499

E-mail: asss_admin@asss.co.th Website : www.asss.co.th





ASSS SERVICES AND SUPPLY LIMITED PARTNERSHIP

102/2 M.2 T. Banchang A. Banchang Rayong 21130 THAILAND

Tel. 033-013-498 Fax : 033-013-499

E-mail: asss_admin@asss.co.th Website : www.asss.co.th

12. Found Cracks at Gas Sparger \approx 470 Mm.



13. Dismantle and Remove Gas Sparger for Replacement New Gas Sparger



14. Install New Gas Sparger at Row 9 Quadrant 1





ASSS SERVICES AND SUPPLY LIMITED PARTNERSHIP

102/2 M.2 T. Banchang A. Banchang Rayong 21130 THAILAND

Tel. 033-013-498 Fax : 033-013-499

E-mail: asss_admin@asss.co.th Website : www.asss.co.th

15. Install Rubber Tube and Gas Sparger Test @1.5 Kg/Cm



16. Final Inspection Before Close Manhole



17. Close All Manhole and Bolt Torque





ASSS SERVICES AND SUPPLY LIMITED PARTNERSHIP

102/2 M.2 T. Banchang A. Banchang Rayong 21130 THAILAND

Tel. 033-013-498 Fax : 033-013-499

E-mail: asss_admin@asss.co.th Website : www.asss.co.th

18. Re Install Cover Rain at Dip Leg Flange



19. De-Blind and Bolt Torque



20. House Keeping

