ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*Owner Feedback (Comment) \*\*\*Classification LONG SON R1 = No comments R2 = Comments as noted Class 1 = For Approval Class 2 = For Review Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation A1 = App. w/o comments LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Period for Company's comment Working Days Document Name Classification Category Code: A06 Local content
Category Code: A09 Arbitration and Dispute Resolution
Category Code: A10 Guarantee of Labour Payment Affidavit Category Code: A11 Termination or Amendment of Contracts
Category Code: A12 Liquidation Contract Category Code: A13 Claim & Complaint from contractors
Category Code: A14 Claim & Complaint to contractors Category Code: A15 Variation Change Notice Category Code: A16 ITC - Instruction to Contractor Category Code: A17 Contract Variation Form
Category Code: A18 License Agreement Category Code: A19 Supplement Dossier Category Code: A20 Certificates Category Code: A21 Approval Letter Category Code: A30 Certificate of Work Completion Category Code: A41 Power of Attorney Category Code: A42 Power of Attorney Category Code: A43 Power of Attorney
Category Code: A44 Power of Attorney
Category Code: A51 Contract Document of Consultancy Service Category Code: A52 Contract Document of EPC Contractor Category Code: A53 Contract Document of Vendor/Supplier
Category Code: A61 Records of Management of Change (before final investme Category Code: A62 Records of Management of Change (after final investment d Category Code: A71 Appraisal Report for Consultancy Service Category Code: A72 Appraisal Report for EPC Contractor Work Category Code: A73 Appraisal Report for Vendor/Supplier Category Code: A91 Index/List
Category Code: A92 Procedures & Standards Category Code: A93 Policy , Guidelines & Memo Category Code: A94 Forms & Templates Category Code: A95 Progress/Status Reports Category Code: B01 Project Schedule Category Code: B71 Appraisal Report for Consultancy Service Category Code: B72 Appraisal Report for EPC Contractor Work
Category Code: B73 Appraisal Report for Vendor/Supplier Category Code: B91 Index/List Category Code: B92 Procedures & Standards
Category Code: B93 Policy, Guidelines & Memo
Category Code: B94 Forms & Templates Category Code: 895 Progress/Status Reports
Category Code: C10 Request for Quotation (RFQ) for Civil work (Engineering and Category Code: C11 Request for Quotation (RFQ) for Building work (Engineering and Category Code: C11 Request for Quotation (RFQ) for Statistical (RFQ) for Statistic Category Code: C12 Request for Quotation (RFQ) for Steel Structure work (Engire PL OL1-2C12-00000 Material Requisition For Steel Structures IFQ Purpose\* Issue Plan Issue Actual 08/03/2019 Transmittal no TPSK-LSPA1-T-PL-1010 Return Date Owner Cmmt PL OL1-2C12-30100 Material Requisition for Radiant Steel Panel Class Final IFO Α Issue Plan Revised Plan Issue Actual 02/04/2019 TPSK-LSPA1-T-PL-01229 Transmittal no Return Date Owner Cmmt\* Category Code: C13 Request for Quotation (RFQ) for Mechanical work (Enginee ME OL1-2C13-10000 Material Requisition For Shop Assembled Large Co Class Final Purpose\*\* 15/05/2019 Issue Plan Revised Plan 07/01/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-ME-0058 24/01/2019 Return Date Owner Cmmt\* PL OL1-2C13-10100 Material Requisition For Shop Assembled Columns Class Final Purpose\*\* IFQ Issue Plan 15/05/2019 Revised Plan 23/01/2019 Issue Actual TPSK-LSPA1-T-PL-007 Transmittal no Return Date Owner Cmmt PL OL1-2C13-11100 Material Requisition For Reactors And Thicker Vess Class Final Purpose\*\* Issue Plan 22/01/2019 Revised Plan Issue Actual 25/02/2019 Transmittal no. TPSK-LSPA1-T-PL-00918 Return Date Owner Cmmt\* PL OL1-2C13-12000 Material Requisition for Deaerator D-5100 Class Final Purpose\*\* IFP Issue Plan Revised Plan 01/04/2019 Issue Actual Transmittal no

Return Date
Owner Cmmt\*

ABBREVIATION Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information DOCUMENT NO. \*\*Revision Purpose of Issued Document LONG SON | Master Document Index (MDI) | IFR = Issue For Review | IFA = Issue For Approval | IFC = Issue For Construction | Plant Name: PACKAGE A1: OLEFINS PLANT | IFI = Issue For Information | Att. To OL 1-2W91-0001 036909C-1000-NM-107 | IFP = Issue For Planning | IFP = I A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days **Document Name** Classification PL OL1-2C13-13100 Material Requisition For Shop Assembled Large Dru Class Final Purpose\*\* IFQ Issue Plan 03/06/2019 Revised Plan 01/03/2019 Issue Actual TPSK-LSPA1-T-PL-00967 Transmittal no. Return Date PL OL1-2C13-13200 Material Requisition For Shop Assembled CS Drum Class Final Owner Cmmt\* IFQ Purpose\*\* Issue Plan 03/06/2019 Revised Plan 12/03/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-PL-01032 Return Date Owner Cmmt\* PL OL1-2C13-13300 Material Requisition For Shop Assembled CS Cladd Class Final Purpose\*\* Issue Plan 03/06/2019 Revised Plan 26/03/2019 Issue Actual TPSK-LSPA1-T-PL-01156 Transmittal no. Return Date Owner Cmmt\* PL OL1-2C13-14000 Material Requisition for Quench Exchangers IFP Purpose\*\* Rev. Issue Plan Revised Plan Issue Actual 01/04/2019 TPSK-LSPA1-T-PL-01221 Return Date Owner Cmmt\* PL OL1-2C13-14200 Material Requisition Plate And Frame Heat Exchan Class Final IFP 0 Issue Plan 25/02/2019 TPSK-LSPA1-T-PL-00916 Issue Actual Return Date Owner Cmmt\* PL OL1-2C13-14300 Material Requisition For Heat Recovery System Red Class Final Purpose\*\* 0 Issue Plan Revised Plan 21/02/2019 TPSK-LSPA1-T-PL-00906 Issue Actual Transmittal no Return Date Owner Cmmt\* PL OL1-2C13-14500 Material Requisition For Hairpin Heat Exchangers F Class Final Issue Plan 30/01/2019 Issue Actual TPSK-LSPA1-T-PL-01046 Transmittal no Return Date Owner Cmmt\* PL OL1-2C13-15100 Material Requisition For Condensate Carbon Filter Class Final IFQ Purpose\*\* Issue Plan 19/03/2019 Revised Plan Issue Actual 13/03/2019 TPSK-LSPA1-T-PL-01039 Return Date Owner Cmmt PL OL1-2C13-15200 Material Requisition For Filters And Coalescers Class Final Purpose\*\* A 24/01/2019 Issue Plan Revised Plan 28/01/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PL-00737 Return Date Owner Cmmt\* PL OL1-2C13-24300 Material Requisition For Ripple Trays And Internals Class Final Purpose\*\* 0 Issue Plan Revised Plan 11/01/2019 Issue Actual TPSK-LSPA1-T-PL-00628 Transmittal no. Return Date Owner Cmmt\* PL OL1-2C13-244000 MATERIAL REQUISITION FOR TRAYS FOR COLUMNS Class Final Purpose\*\* Issue Plan 27/03/2019 Revised Plan Issue Actual 08/04/2019 Transmittal no. TPSK-LSPA1-T-PL-01268 Return Date Owner Cmmt\* PL OL1-2C13-24600 Material Requisition for Packing of Columns (C4 Ur Class Final Purpose\*\* IFQ A Issue Plan Revised Plan 28/03/2019 Issue Actual Transmittal no Return Date Owner Cmmt\*

ABBREVIATION Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information DOCUMENT NO. LONG SON \*\*Revision Purpose of Issued Document | Master Document Index (MDI) | IFR = Issue For Review | IFA = Issue For Approval | IFC = Issue For Construction | Plant Name: PACKAGE A1: OLEFINS PLANT | IFI = Issue For Information | Att. To OL 1-2W91-0001 036909C-1000-NM-107 | IFP = Issue For Planning | IFP = I A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification PL OL1-2C13-25100 Material Requisition For API Mechanical Seals and Class Final Purpose\*\* IFQ Α Issue Plan Revised Plan Issue Actual 28/02/2019 TPSK-LSPA1-T-PL-00949 Transmittal no. Return Date PL OL1-2C13-27100 Material Requisition For Wieland Tubes - Solo Sour Class Final Owner Cmmt\* Purpose\*\* Issue Plan 30/10/2019 Revised Plan 08/02/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-PL-00829 Return Date Owner Cmmt\* PL OL1-2C13-27200 Material Requisition For S&T Heat Exchangers - Lar Class Final Purpose\*\* Issue Plan 03/06/2019 Revised Plan 13/02/2019 Issue Actual TPSK-LSPA1-T-PL-00849 Transmittal no. Return Date 27/02/2019 Owner Cmmt\* PL OL1-2C13-27300 Material Requisition For CS S-T Heat Exchangers Re Class Final IFQ Purpose\*\* Rev. Issue Plan 03/06/2019 Revised Plan Issue Actual 15/02/2019 Transmittal no TPSK-LSPA1-T-PL-00866 Return Date Owner Cmmt\* PL OL1-2C13-27400 Material Requisition For CS Clad SS And LAS S-T Hea Class Final Issue Plan 03/06/2019 Issue Actual 15/02/2019 TPSK-LSPA1-T-PL-00870 Return Date Owner Cmmt\* PL OL1-2C13-28100 Material Requisition for Furnace Convection Finni Class Final IFQ Purpose\*\* 21/01/2019 Issue Plan 20/03/2019 Revised Plan 23/01/2019 15/03/2019 TPSK-LSPA1-T-PL-00713 TPSK-LSPA1-T-PL-01085 Issue Actual Transmittal no Return Date Owner Cmmt\* PL OL1-2C13-28200 Material Requisition for Convection Fabrication Class Final IFQ Issue Plan Issue Actual TPSK-LSPA1-T-ME-01316 Transmittal no Return Date Owner Cmmt\* PL OL1-2C13-28300 Material Requisition for Radiant Refractory Class Final IFQ Purpose\*\* Issue Plan Revised Plan Issue Actual 20/03/2019 TPSK-LSPA1-T-PL-01108 Return Date Owner Cmmt PL OL1-2C13-28400( Material Requisition for Peep Doors Purpose\*\* 0 Issue Plan Revised Plan 27/03/2019 TPSK-LSPA1-T-PL-01181 Issue Actual Transmittal no Return Date Owner Cmmt\* PL OL1-2C13-28500 Material Requisition for MOVs Class Final Purpose\*\* Issue Plan Revised Plan 01/04/2019 Issue Actual TPSK-LSPA1-T-PL-01219 Transmittal no. Return Date Owner Cmmt\* PL OL1-2C13-28600 Material Requisition for Attemperators Purpose\*\* Issue Plan 16/01/2019 Revised Plan 30/01/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-PL-00771 Return Date Owner Cmmt\* PL OL1-2C13-30000 Material Requisition for Radiant Coil Assemblies Class Final Purpose\*\* IFP 1 Issue Plan Revised Plan 25/03/2019 Issue Actual Transmittal no Return Date Owner Cmmt\*

ABBREVIATION \*\*\*Classification
Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information DOCUMENT NO. LONG SON \*\*Revision Purpose of Issued Document | Master Document Index (MDI) | IFR = Issue For Review | IFA = Issue For Approval | IFC = Issue For Construction | Plant Name: PACKAGE A1: OLEFINS PLANT | IFI = Issue For Information | Att. To OL 1-2W91-0001 036909C-1000-NM-107 | IFP = Issue For Planning | IFP = I A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification PL OL1-2C13-30100 Material Requisition for Furnace ID Fans Class Final Purpose\*\* IFP 0 Issue Plan Revised Plan 20/03/2019 Issue Actual TPSK-LSPA1-T-PL-01109 Transmittal no. Return Date PL OL1-2C13-30200 Material Requisition for Cast Intermediate Tube Su Class Final Owner Cmmt\* Purpose\*\* Issue Plan Revised Plan Issue Actual 25/03/2019 Transmittal no. TPSK-LSPA1-T-PL-01139 Return Date Owner Cmmt\* PL OL1-2C13-30300 Material Requisition for Convection Tubes Purpose\*\* Issue Plan Revised Plan 25/03/2019 Issue Actual TPSK-LSPA1-T-PL-01139 Transmittal no. Return Date Owner Cmmt\* PL OL1-2C13-304000 Material Requisition for Furnace Convection Fittin Class Final IFP Purpose\*\* Rev. Issue Plan Revised Plan Issue Actual 25/03/2019 TPSK-LSPA1-T-PL-01139 Return Date Owner Cmmt\* PL OL1-2C13-30500 Material Requisition for Furnace Steam Drums Class Final IFP Issue Plan Issue Actual 25/03/2019 TPSK-LSPA1-T-PL-01139 Return Date Owner Cmmt\* ME OL1-2C13-30600 Material Requisition for Furnace Burners Class Final Purpose\*\* 23/01/2019 Issue Plan Revised Plan 07/02/2019 TPSK-LSPA1-T-ME-00820 Issue Actual Transmittal no Return Date Owner Cmmt\* PL OL1-2C13-40100 Material Requisition For Centrifugal Compressors Class Final IFP Issue Plan Issue Actual TPSK-LSPA1-T-PL-01124 Transmittal no Return Date Owner Cmmt\* PL OL1-2C13-40300 Material Requisition for Recycle Gas Compressor Class Final IFQ Purpose\*\* Issue Plan 25/02/2019 Revised Plan Issue Actual 23/01/2019 TPSK-LSPA1-T-PL-00714 Return Date Owner Cmmt PL OL1-2C13-42100 Material Requisition For Residue Gas Expander/Red Class Final Purpose\*\* 0 Issue Plan Revised Plan 21/03/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PL-01118 Return Date Owner Cmmt\* PL OL1-2C13-44200 Material Requisition For API Centrifugal Pumps Class Final Purpose\*\* IFQ Issue Plan 31/01/2019 Revised Plan 19/02/2019 Issue Actual Transmittal no. Return Date Owner Cmmt\* PL OL1-2C13-45100 Material Requisition For Vent Gas Blower Purpose\*\* Α Issue Plan Revised Plan 07/03/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-PL-01001 Return Date 27/03/2019 Owner Cmmt\* PL OL1-2C13-70100 Material Requisition for Condensate Polisher Pack Class Final Purpose\*\* IFQ Issue Plan 22/02/2019 Revised Plan 27/02/2019 Issue Actual Transmittal no Return Date Owner Cmmt\*

ABBREVIATION Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information DOCUMENT NO. \*\*Revision Purpose of Issued Document LONG SON Master Document Index (MDI) IFR = Issue For Review A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification PL OL1-2C13-70200 Material Requisition For Complex Waste Water Tre Class Final Purpose\*\* IFQ Issue Plan 25/01/2019 Revised Plan 15/02/2019 Issue Actual TPSK-LSPA1-T-PL-00862 Transmittal no. Return Date Owner Cmmt\* PL OL1-2C13-70600 Material Requisition for Side Stream Filter Package Class Final Purpose\*\* 0 Issue Plan Revised Plan Issue Actual 27/03/2019 Transmittal no. TPSK-LSPA1-T-PL-01165 Return Date Owner Cmmt\* PL OL1-2C13-70800 MR for HP / Polyolefins Flare Package Purpose\*\* Issue Plan 18/02/2019 Revised Plan 17/01/2019 Issue Actual TPSK-LSPA1-T-PL-00665 Transmittal no Return Date Owner Cmmt\* ME OL1-2C13-70900 Material Requisition for Furnace Elevator IFQ Purpose\*\* Issue Plan 19/12/2018 Revised Plan Issue Actual 22/01/2019 Transmittal no TPSK-LSPA1-T-ME-0069 Return Date 14/02/2019 Owner Cmmt\* PL OL1-2C13-77100 Material Requisition For Bridge Crane IFQ Issue Plan Revised Plan 22/02/2019 TPSK-LSPA1-T-PC-00914 Issue Actual Return Date Owner Cmmt\* Category Code: C14 Request for Quotation (RFQ) Piping work (Engineering and P PL OL1-2C14-36000 Material Requisition For Carbon Steel Undergroun Class Fina Purpose\* Issue Plan Revised Plan 01/03/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-PL-00969 Return Date Owner Cmmt\* PL OL1-2C14-36500 Material Requisition For Underground Welded Car Class Final Purpose\*\* IFQ Α Issue Plan Revised Plan 04/03/2019 Issue Actual TPSK-LSPA1-T-PL-00975 Transmittal no. Return Date Owner Cmmt\* Category Code: C15 Request for Quotation (RFQ) for Fire Fighting work (Enginee Category Code: C16 Request for Quotation (RFQ) for Electrical and HVAC work ( PL OL1-2C16-85100 MATERIAL REQUISITION FOR SAFETY SUPERVISORY Class Final Purpose\*\* IFQ Issue Plan Revised Plan 05/03/2019 Issue Actual TPSK-LSPA1-T-PL-00984 Return Date 05/04/2019 Owner Cmmt\* PL OL1-2C16-88100 MATERIAL REQUISITION FOR INTERCOM/PAGING/A Class Final IFQ Purpose\*\* Issue Plan Revised Plan Issue Actual 05/03/2019 Transmittal no. TPSK-LSPA1-T-PL-00984 10/04/2019 Owner Cmmt\* R2 Category Code: C17 Request for Quotation (RFQ) for Instrumentation work (Engi Category Code: C18 Request for Quotation (RFQ) for Chemicals (Engineering and PL OL1-2C18-26300 Material Requisition For Molecular And HG Sieves IMP Purpose\*\* Α Issue Plan Revised Plan 15/03/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-PL-01076 Return Date 01/04/2019 Owner Cmmt\* PL OL1-2C18-26400 Material Requisition For Adsorbents Class Final Purpose\*\* IFQ Issue Plan Revised Plan 10/04/2019 Issue Actual Transmittal no Return Date Owner Cmmt PL OL1-2C18-26500 Material Requisition For Molecular Sieves Purpose\*\* Issue Plan

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*Owner Feedback (Comment) \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information R1 = No comments R2 = Comments as noted Master Document Index (MDI) IFR = Issue For Review IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation 1 = App. w/o comments LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days **Document Name** Classification Revised Plan 15/03/2019 Issue Actual TPSK-LSPA1-T-PL-01077 Return Date 01/04/2019 Owner Cmmt\* PL OL1-2C18-26600 Material Requisition For Adsorbents Class Final Purpose\*\* Issue Plan Revised Plan 10/04/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PL-01299 Owner Cmmt\* PL OL1-2C18-26700 Material Requisition For Hg Sieves Class Final Purpose\*\* IFQ Issue Plan Revised Plan 10/04/2019 Issue Actual TPSK-LSPA1-T-PL-01296 Transmittal no Return Date Owner Cmmt\* PL OL1-2C18-26800 Material Requisition For Support Balls Class Final Purpose\*\* Issue Plan Issue Actual 10/04/2019 Transmittal no. TPSK-LSPA1-T-PL-01297 Return Date Owner Cmmt\* Category Code: C20 Technical Bid Evaluation for Civil work (Engineering and Prot Category Code: C21 Technical Bid Evaluation for Building work (Engineering and Category Code: C22 Technical Bid Evaluation for Steel Structure work (Engineering Category Code: C23 Technical Bid Evaluation for Mechanical work (Engineering a Category Code: C24 Technical Bid Evaluation for Piping work (Engineering and Pr Category Code: C25 Technical Bid Evaluation for Fire Fighting work (Engineering Category Code: C26 Technical Bid Evaluation for Electrical and HVAC work (Engi Category Code: C27 Technical Bid Evaluation for Instrumentation work (Enginee Category Code: C28 Technical Bid Evaluation for Chemicals (Engineering and Pro Category Code: C30 Scope of Supply (SR) for Mechanical Work Category Code: C33 Scope of Supply (SR) for Mechanical Work
Category Code: C32 Scope of Supply (SR) for Piping Work
Category Code: C32 Scope of Supply (SR) for Instrumentation work
Category Code: C33 Scope of Supply (SR) for Instrumentation work
Category Code: C34 Scope of Supply (SR) for Civil, Structure and Architecture.
Category Code: C35 Extend of Supply (SP) Mechanical Work
Category Code: C36 Extend of Supply (SP) for Piping Work
Category Code: C37 Extend of Supply (SP) for Electrical work Category Code: C38 Extend of Supply (SP) for Instrumentation work Category Code: C39 Extend of Supply (SP) for Civil, Structure and Architecture Category Code: C40 Deviation List (DL) for Mechanical Work Category Code: C41 Deviation List (DL) for Piping Work
Category Code: C42 Deviation List (DL) for Electrical work
Category Code: C43 Deviation List (DL) for Instrumentation work Category Code: C43 Deviation List (DL) for Instrumentation work
Category Code: C44 Deviation List (DL) for Civil, Structure and Architecture
Category Code: C71 Appraisal Report for Consultancy Service
Category Code: C72 Appraisal Report for EPC Contractor Work
Category Code: C73 Appraisal Report for Vendor/Supplier
Category Code: C91 Index/List
Category Code: C92 Procedures & Standards
Category Code: C92 Procedures & Standards
Category Code: C92 Procedures & Standards Category Code: C93 Policy , Guidelines & Memo PL OL1-2C93-0001 General Supply Rules for Supplier Documentation Class Final Purpose\*\* IFI Issue Plan Revised Plan 12/09/2018 06/02/2019 Issue Actual TPSK-LSPA1-T-PL-00043 TPSK-LSPA1-T-PL-007 Return Date Owner Cmmt\* Category Code: C94 Forms & Templates Category Code: C95 Progress/Status Reports PL OL1-2C95-0001 Expediting Execution Plan Class Final Purpose\*\* Issue Plan Revised Plan Issue Actual 22/03/2019 Transmittal no TPSK-LSPA1-T-PL-01134 Return Date Owner Cmmt\* PL OL1-2C95-0002 Monthly Complete Expediting Report Purpose\*\* Issue Plan Revised Plan Issue Actual 22/03/2019 Transmittal no TPSK-LSPA1-T-PL-01134 Return Date Owner Cmmt PL OL1-2C95-14000( Hand-Over Meeting Report - Quench Exchanger and Class Final Purpose\*\* IFI Issue Plan Revised Plan 11/03/2019 Issue Actual Transmittal no Return Date Owner Cmmt PL OL1-2C95-30000 Hand-Over Meeting Report - Radiant Coils Purpose\*\* Issue Plan

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval Class 2 = For Review Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation A1 = App. w/o comments LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days **Document Name** Classification Revised Plan 29/03/2019 Issue Actual TPSK-LSPA1-T-PL-01194 Return Date Category Code: D01 Construction Permits/License/Permit Plan
Category Code: D03 Security Plan
Category Code: D04 Transportation Program
Category Code: D05 Office & Construction Camp Plan
Category Code: D06 Work Change Proposal
Category Code: D71 Appraisal Report for Consultancy Service Owner Cmmt\* Category Code: D72 Appraisal Report for EPC Contractor Work Category Code: D73 Appraisal Report for Vendor/Supplier
Category Code: D91 Index/List Category Code: D92 Procedures & Standards
Category Code: D93 Policy , Guidelines & Memo
Category Code: D94 Forms & Templates Category Code: D95 Progress/Status Reports Category Code: E01 Electrical design basis EE OL1-2E01-2001 ELECTRICAL BASIS OF FURNACE DETAILED DESIGN Class 1 IFA IFR 24/01/2019 Issue Plan Revised Plan Issue Actual 29/03/2019 30/01/2019 TPSK-LSPA1-T-EE-01200 PSK-LSPA1-T-EE-0077 Transmittal no Return Date 27/02/2019 Owner Cmmt\* A4 Category Code: E02 Abbreviation and standard symbols Category Code: E03 Project electrical specification Purpose\*\* Class 2 EE OL1-2E03-0035 TYPICAL INSTALLATION STANDARDS FOR ELECTRICA Class 2 Purpose\*\* IFR Issue Plan 14/02/2019 Revised Plan 01/04/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-EE-01193 Return Date Owner Cmmt\* Category Code: E04 Electrical requirement for package unit EE OL1-2E04-6000 GENERAL DEIGN RULES FOR ELECTRICAL SYSTEM OF Class 2 Purpose\*\* IFR IFR Α 14/10/2018 Issue Plan Revised Plan 06/08/2018 Issue Actual 04/10/2018 TPSK-LSPA1-T-EE-00008 TPSK-LSPA1-T-EE-00126 Transmittal no. Return Date 24/08/2018 12/10/2018 Owner Cmmt\* A3 Category Code: E05 Electrical Equipment datasheets EE CL1-2E05-1200 Typical Data Sheet for Low Voltage Switchgears/MI Class As Built Purpose\*\* IFQ Issue Plan Issue Actual 14/12/2018 Transmittal no TPSK-LSPA1-T-EE-00497 Return Date 07/01/2019 Owner Cmmt EE CL1-2E05-1400 Typical Data Sheet for Low Voltage Bus Ducts IFQ Α Issue Plan Revised Plan 14/12/2018 TPSK-LSPA1-T-EE-00497 Issue Actual Transmittal no Return Date 07/01/2019 Owner Cmmt\* R2 EE OL1-2E05-0020 Air Conditioning Ventilating And Ducting Design - Class As Built Purpose\*\* Issue Plan 12/10/2018 15/01/2019 Revised Plan Issue Actual Transmittal no TPSK-LSPA1-T-EE-00165 TPSK-LSPA1-T-EE-00585 Return Date 26/10/2018 16/01/2019 Owner Cmmt\* R2 EE OL1-2E05-1100 Typical Data Sheet for Medium Voltage Switchgear Class As Built Purpose\*\* IFQ Α Issue Plan Revised Plan Issue Actual 11/12/2018 TPSK-LSPA1-T-ME-00476 Transmittal no. 07/01/2019 Return Date Owner Cmmt EE OL1-2E05-1111 Data Sheet for Medium Voltage Switchgear IFR Class As Built Purpose\*\* Issue Plan Revised Plan 29/03/2019 Issue Actual Transmittal no TPSK-LSPA1-T-EE-01192 Return Date Owner Cmmt EE OL1-2E05-1211 Data Sheet for 690V Switchgear And MCC IFR Α Issue Plan Revised Plan 29/03/2019 TPSK-LSPA1-T-EE-01192 Issue Actual Transmittal no. Owner Cmmt\* EE OL1-2E05-1311 Data Sheet for 400V SwitchgearAndMCC Class As Built Purpose\*\* IFR

ABBREVIATION Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information DOCUMENT NO. \*\*Revision Purpose of Issued Document LONG SON Master Document Index (MDI) IFR = Issue For Review A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days **Document Name** Classification Α Issue Plan Revised Plan Issue Actual 29/03/2019 Transmittal no. TPSK-LSPA1-T-EE-01192 Return Date Owner Cmmt\* EE OL1-2E05-1501 Data Sheet for Distribution Transformer Class As Built Purpose\*\* Α Issue Plan Revised Plan 29/03/2019 Issue Actual TPSK-LSPA1-T-EE-01192 Return Date Owner Cmmt EE OL1-2E05-1700 Typical Data Sheet For Medium Voltage Variable Vo Class As Built Purpose\*\* IFQ Α Issue Plan Revised Plan Issue Actual 20/12/2018 TPSK-LSPA1-T-EE-00529 Transmittal no. 03/01/2019 Return Date Owner Cmmt\* EE OL1-2E05-2001 Data Sheet for AC UPS Class As Built Purpose\*\* IFR Α Issue Plan Revised Plan 29/03/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-EE-01192 Return Date Owner Cmmt\* EE OL1-2E05-2101 Data Sheet For DC UP Class As Built Purpose\*\* Α Issue Plan Revised Plan Issue Actual 29/03/2019 Transmittal no TPSK-LSPA1-T-EE-01192 Owner Cmmt\* EE OL1-2E05-3100 Typical Data Sheet for LV Motors Class As Built Purpose\*\* IFQ Α Issue Plan Revised Plan 26/11/2018 Issue Actual TPSK-LSPA1-T-EE-00358 Transmittal no Return Date 03/01/2019 Owner Cmmt\* EE OL1-2E05-3500 Typical Data Sheet For Low Voltage Variable Voltag Class As Built Purpose\*\* IFQ Issue Plan Issue Actual 26/11/2018 Transmittal no. TPSK-LSPA1-T-EE-00358 Return Date 03/01/2019 Owner Cmmt\* EE OL1-2E05-4100 Typical Data Sheet For MV Motor Class As Built Purpose\*\* IFQ Α Issue Plan Revised Plan 20/12/2018 TPSK-LSPA1-T-EE-00529 Issue Actual Transmittal no. Return Date Owner Cmmt\* R1 Category Code: E10 Power system studies
Category Code: E11 Arc flash studies Purpose\*\* Category Code: E12 Protective relay selection and coordination study Class 2 Purpose\*\* Category Code: E13 Electrical equipment sizing
Category Code: E14 Single line diagram Class 2 Purpose\*\* Purpose\*\* Class 2 EE OL1-2E14-0003 SUBSTATION E SINGLE LINE DIAGRAM (N...) Class 2 Purpose\*\* IFR Issue Plan 03/06/2019 Revised Plan Issue Actual 01/04/2019 Transmittal no TPSK-LSPA1-T-EE-01211 Return Date Owner Cmmt\* EE OL1-2E14-0004 SUBSTATION C SINGLE LINE DIAGRAM (N...) Class 2 IFR Purpose\*\* Issue Plan 03/06/2019 Revised Plan 01/04/2019 Issue Actual Transmittal no TPSK-LSPA1-T-CV-01211 Return Date Owner Cmmt EE OL1-2E14-0005 SATELLITE SUBSTATION SINGLE LINE DIAGRAM (N... Class 2 Purpose\*\* IFR Issue Plan 03/06/2019 Revised Plan 01/04/2019 TPSK-LSPA1-T-EE-01211 Issue Actual Transmittal no. Return Date Owner Cmmt\* Category Code: E15 Electrical load schedule Purpose\*\* EE OL1-2E15-0001 PRELIMINARY ELECTRICAL LOAD SCHEDULE - OLEFII Class 3 Purpose\*\* IFR Issue Plan 19/03/2019

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*Owner Feedback (Comment) \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information R1 = No comments R2 = Comments as noted Master Document Index (MDI) IFR = Issue For Review IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation 1 = App. w/o comments LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days **Document Name** Classification Revised Plan 01/04/2019 Issue Actual TPSK-LSPA1-T-EE-01213 Return Date Owner Cmmt\* EE OL1-2E15-0002 ELECTRICAL EQUIPMENT LIST IFR Class 2 Purpose\*\* Α Issue Plan Revised Plan 01/04/2019 Issue Actual Transmittal no TPSK-LSPA1-T-EE-01213 Return Date Owner Cmmt Category Code: E16 Emergency power supply load schedule Purpose\*\* Category Code: E17 Motor list
Category Code: E18 Control and Signal List
Category Code: E19 Control schematic and control logic diagrams Purpose\*\* Class 2 Purpose\*\* EE OL1-2E19-0001 MEDIUM VOLTAGE PROTECTION DIAGRAMS Purpose\*\* Issue Plan Revised Plan Issue Actual Transmittal no TPSK-LSPA1-T-EE-00555 Return Date 07/01/2019 Owner Cmm EE OL1-2E19-0002 LOW VOLTAGE PROTECTION DIAGRAMS IFR Α Issue Plan Revised Plan Issue Actual 20/12/2018 TPSK-LSPA1-T-EE-0055 Transmittal no. Return Date 07/01/2019 Owner Cmmt\* Category Code: E20 Substation equipment layout EE OL1-2E20-0001 SUBSTATION E EQUIPMENT LAYOUT IFR Purpose\*\* Issue Plan 03/06/2019 Issue Actual 01/04/2019 Transmittal no TPSK-LSPA1-T-EE-01212 Return Date Owner Cmmt EE OL1-2E20-0002 SUBSTATION C EQUIPMENT LAYOUT Class 2 Purpose\*\* IFR Issue Plan 03/06/2019 Revised Plan Issue Actual 01/04/2019 TPSK-LSPA1-T-EE-01212 Transmittal no Return Date Owner Cmmt EE OL1-2E20-0003 SATELLITE ELECTRICAL / INSTRUMENT EQUIPMENT | Class 2 IFR Purpose\* Issue Plan 03/06/2019 Revised Plan 01/04/2019 Issue Actual TPSK-LSPA1-T-EE-0121 Transmittal no. Return Date Owner Cmmt\* Category Code: E21 Layout of busduct for substation Category Code: E22 Cable tray layout for substation Category Code: E23 Wiring drawing for substation system
Category Code: E24 Diesel engine generator equipment layout
Category Code: E25 Motor Auto restart for power dift. Purpose\*\* Issue Plan Category Code: E31 Power equipment layout Category Code: E32 Main cable route layout Revised Plan Purpose\*\* Category Code: E33 Power and control wiring layout Class 2 Category Code: E34 Power and control cable arrangement drawing
Category Code: E40 Lighting illumination level calculation
Category Code: E41 Voltage drop calculation for lighting system Class 2 Purpose\*\* Category Code: E42 Lighting and receptacle panel board circuit schedule Issue Plan Category Code: E43 Lighting and receptacle system layout
Category Code: E44 Lighting and receptacle system wiring layout Purpose\* Class 2 Category Code: E50 Grounding and lightning network calculation Category Code: E51 Protective zone for lightning system Category Code: E52 Grounding and lightning system layout Class 2 Purpose\*\* Purpose\* Class 2 Category Code: E53 Wiring drawing for grounding and lightning system
Category Code: E54 Layout of grounding lug
Category Code: E60 Cable drum schedule Class 2 Purpose\*\* Issue Plan Category Code: E61 Cable schedule
Category Code: E62 Connection List
Category Code: E63 Construction material and Bill of quantities
Category Code: E64 Typical drawing
Category Code: E70 Cathodic Protection system schematic diagram Class 2 Purpose\*\* Class 3 Purpose\*\* Category Code: E71 Cathodic Protection system layout Issue Plan Category Code: E72 Cathodic Protection calculation
Category Code: E80 SMCS and PMS system equipment data sheets Revised Plan Issue Actual Category Code: E81 SMCS and PMS system schematic diagram Transmittal no. Category Code: E82 SMCS and PMS system layout
Category Code: E86 Appraisal Report for Consultancy Service Return Date Owner Cmmt\* Category Code: E87 Appraisal Report for EPC Contractor Work Category Code: E88 Appraisal Report for Vendor/Supplier
Category Code: E90 Vendor documents Category Code: E91 Index/List
Category Code: E92 Procedures & Standards EE OL1-2E92-0001 GENERAL DESIGN RULES FOR FOR SMART PLAN ELECTION Class 2 Purpose\*\* IFI IFR

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval Class 2 = For Review Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days **Document Name** Classification Issue Plan 14/10/2018 Revised Plan Issue Actual 29/11/2018 06/08/2018 Transmittal no. TPSK-LSPA1-T-EE-00396 TPSK-LSPA1-T-EE-00008 Return Date 24/08/2018 Owner Cmmt\* EE OL1-2E92-0002 Coordination Procedure For Smartplant Electrical Purpose\*\* Issue Plan Revised Plan Issue Actual 29/11/2018 TPSK-LSPA1-T-EE-00395 Transmittal no Return Date EE OL1-2E92-0003 Coordination Procedure For ETAP Owner Cmmt\* Purpose\*\* 0 Issue Plan Revised Plan 05/12/2018 TPSK-LSPA1-T-EE-00426 Issue Actual Transmittal no Return Date Owner Cmmt Category Code: E93 Policy, Guidelines & Memo Category Code: E94 Forms & Templates
Category Code: E95 Progress/Status Reports
Category Code: F71 Appraisal Report for Consultancy Service Category Code: F72 Appraisal Report for EPC Contractor Work
Category Code: F73 Appraisal Report for Vendor/Supplier
Category Code: F90 Vendor Document Category Code: 194 SPARE NUMBER
Category Code: 195 SPARE NUMBER
Category Code: 195 SPARE NUMBER
Category Code: 196 SPARE NUMBER
Category Code: 197 SPARE NUMBER
Category Code: 198 SPARE NUMBER Category Code: I99 SPARE NUMBER
Category Code: F91 Index/List Category Code: F92 Procedures & Standards FF OL1-2F92-0001 Fire And Gas Dete IFR Purpose\* Issue Plan Revised Plan Issue Actual TPSK-LSPA1-T-FF-01125 Transmittal no Return Date Owner Cmmt\* Category Code: F93 Policy , Guidelines & Memo Category Code: F94 Forms & Templates Category Code: F95 Progress/Status Reports
Category Code: G01 All Project Philosophies and Process design standard and Al Purpose\*\* Class 2 PE OL1-2G01-0001 JSD FOR P & ID PREPARATION Purpose\*\* IFA IMP Α Issue Plan 01/03/2019 Revised Plan 01/03/2019 31/07/2018 Issue Actual TPSK-LSPA1-T-PE-00006 TPSK-LSPA1-T-PE-00965 Transmittal no. Return Date 21/08/2018 05/04/2019 Owner Cmmt\* R2 PE OL1-2G01-0002 Cold Box Design Specification IFR Purpose\*\* Α Issue Plan Revised Plan Issue Actual 03/10/2018 Transmittal no TPSK-LSPA1-T-PE-00123 12/10/2018 Return Date Owner Cmmt\* PE OL1-2G01-0003 Plate-Fin Exchanger Design Specification Purpose\*\* IFR Α Issue Plan Revised Plan 03/10/2018 Issue Actual Transmittal no. TPSK-LSPA1-T-PE-00123 Return Date 12/10/2018 Owner Cmmt\* IFR PE OL1-2G01-0004 Tray Design Specification Purpose\*\* Class Final Α Issue Plan Revised Plan 10/01/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-00624 Return Date 04/02/2019 Owner Cmmt\* Category Code: G02 Design Basis PE OL1-2G02-0001 PROCESS BASIS OF DESIGN IFA Class 1 Purpose\*\* IFD Α Issue Plan 25/02/2019 Revised Plan 30/07/2018 26/03/2019 Issue Actual TPSK-LSPA1-T-PE-00002 TPSK-LSPA1-T-PE-01154 Return Date 17/08/2018 Owner Cmmt PE OL1-2G02-0002 EQUIPMENT BASIS OF DESIGN IFA Purpose\*\* Α 25/02/2019 Issue Plan Revised Plan Issue Actual 30/07/2018 26/03/2019 TPSK-LSPA1-T-PE-00002 TPSK-LSPA1-T-PE-01154 Transmittal no.

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days **Document Name** Classification Return Date 17/08/2018 Owner Cmmt\* A3 PE OL1-2G02-0003 FLARE AND BLOWDOWN SYSTEM BASIS OF DESIGN Class 2 Purpose\*\* IFA Α Issue Plan Revised Plan 06/09/2018 TPSK-LSPA1-T-PE-00034 Issue Actual Transmittal no. Return Date 28/09/2018 Owner Cmmt\* PE OL1-2G02-0006 FURNACE BASIS OF DESIGN Purpose\*\* IFA IFD Issue Plan Revised Plan 31/07/2018 27/11/2018 Issue Actual Transmittal no. TPSK-LSPA1-T-PE-00004 TPSK-LSPA1-T-PE-00376 Return Date 17/08/2018 14/01/2019 Owner Cmmt\* Category Code: G03 Conceptual Design
Category Code: G04 Process Design Package
Category Code: G05 Equipment and Unit Functional Design
PE OL1-2G05-1001 AREA BASIS OF DESIGN - 10 FEED IFA Purpose\* Issue Plan 25/02/2019 Issue Actual 07/08/2018 26/03/2019 Transmittal no. TPSK-LSPA1-T-PE-00011 TPSK-LSPA1-T-PE-01154 Return Date 27/08/2018 Owner Cmmt PE OL1-2G05-1101 SIZING OF STEAM DRUM & SUPERHEATER PSVS IFR Issue Plan 10/01/2019 Revised Plan 30/01/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-PE-00769 Return Date 21/03/2019 Owner Cmmt\* R2 PE OL1-2G05-1201 Steam Drum and Superheater PSVs Sizing Calculati Class Final IFR Purpose\*\* Issue Plan Revised Plan Issue Actual 30/01/2019 TPSK-LSPA1-T-PE-00769 Transmittal no Return Date 21/03/2019 Owner Cmmt PE OL1-2G05-2001 AREA BASIS OF DESIGN - 20/21 QUENCH Purpose\*\* IFA IFD Α Issue Plan 25/02/2019 Revised Plan 02/04/2019 Issue Actual 07/08/2018 TPSK-LSPA1-T-PE-00011 TPSK-LSPA1-T-PE-01224 Transmittal no Return Date 27/08/2018 Owner Cmmt\* A3 PE OL1-2G05-2201 AREA BASIS OF DESIGN - 22/24 COMPRESSION IFA IFD Purpose\*\* Issue Plan 25/02/2019 Revised Plan 13/08/2018 08/04/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-00022 TPSK-LSPA1-T-PE-01272 Return Date 05/09/2018 Owner Cmmt PE OL1-2G05-2301 AREA BASIS OF DESIGN - 23 CAUSTIC Purpose\*\* IFA IFD Rev. Α Issue Plan 25/02/2019 Issue Actual 08/08/2018 11/04/2019 TPSK-LSPA1-T-PE-00014 TPSK-LSPA1-T-PE-01317 Transmittal no. 31/08/2018 Return Date Owner Cmmt\* A3 PE OL1-2G05-2501 AREA BASIS OF DESIGN - 25 COLD FRACTIONATION Class 1 Purpose\*\* IFA IFD Α Issue Plan 25/02/2019 Revised Plan Issue Actual Transmittal no TPSK-LSPA1-T-PE-00011 TPSK-LSPA1-T-PE-01276 Return Date 27/08/2018 Owner Cmmt\* A3 PE OL1-2G05-2601 AREA BASIS OF DESIGN - 26 HOT FRACTIONATION IFA IFD Purpose\*\* Α Issue Plan 25/02/2019 Revised Plan 08/08/2018 04/04/2019 Issue Actual TPSK-LSPA1-T-PE-00014 TPSK-LSPA1-T-PE-01249 Transmittal no. Return Date 31/08/2018 Owner Cmmt\* Α3 PE OL1-2G05-2602 AREA BASIS OF DESIGN - 262 C3 HYDROGENATION Class 1 Purpose\*\* IFA Issue Plan Revised Plan 12/11/2018 Issue Actual Transmittal no TPSK-LSPA1-T-PE-00307 Return Date 04/02/2019 Owner Cmmt PE OL1-2G05-2701 AREA BASIS OF DESIGN - 270 GHU-1 Purpose\*\* Α Issue Plan

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval Class 2 = For Review Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days **Document Name** Classification Revised Plan 12/11/2018 Issue Actual TPSK-LSPA1-T-PE-00307 Return Date 04/02/2019 Owner Cmmt\* A1 PE OL1-2G05-2702 AREA BASIS OF DESIGN - 275 C4/C5 HYDROGENATIC Class 1 IFA Purpose\*\* Α Issue Plan Revised Plan 12/11/2018 Issue Actual Transmittal no TPSK-LSPA1-T-PE-00307 04/02/2019 Return Date Owner Cmmt\* PE OL1-2G05-2801 AREA BASIS OF DESIGN - 28 REFRIG Purpose\*\* IFA IFD Α Issue Plan 25/02/2019 Revised Plan 13/08/2018 02/04/2019 Issue Actual TPSK-LSPA1-T-PE-00022 TPSK-LSPA1-T-PE-01224 Transmittal no Return Date 05/09/2018 Owner Cmmt\* PE OL1-2G05-3001 AREA BASIS OF DESIGN - 30 BDU IFA Purpose\*\* Issue Plan Issue Actual 09/10/2018 Transmittal no TPSK-LSPA1-T-PE-00150 Return Date 02/04/2019 Owner Cmmt PE OL1-2G05-5001 AREA BASIS OF DESIGN - 50 ISBL SUPPORTING UTILI Class 1 IFA Α Issue Plan Revised Plan 31/07/2018 Issue Actual Transmittal no. TPSK-LSPA1-T-PE-00003 Return Date 17/08/2018 Owner Cmmt\* A3 PE OL1-2G05-5301 AREA BASIS OF DESIGN - 53 COOLING WATER TOWE IFA Purpose\*\* Issue Plan 11/12/2018 Revised Plan 31/07/2018 26/09/2018 TPSK-LSPA1-T-PE-00003 TPSK-LSPA1-T-PE-00003 Issue Actual Transmittal no 17/08/2018 Return Date Owner Cmmt PE OL1-2G05-5501 AREA BASIS OF DESIGN - 55 FLARE SYSTEM Purpose\*\* IFA Α Issue Plan Revised Plan Issue Actual 09/08/2018 TPSK-LSPA1-T-PE-0001 Transmittal no Return Date 29/08/2018 Owner Cmmt\* A3 PE OL1-2G05-5601 AREA BASIS OF DESIGN - 56 WASTEWATER TREATME Class 1 IFA IFD IFD Purpose\*\* Issue Plan 11/12/2018 21/03/2019 Revised Plan Issue Actual 07/08/2018 26/09/2018 25/02/2019 Transmittal no TPSK-LSPA1-T-PE-00011 TPSK-LSPA1-T-PE-00091 TPSK-LSPA1-T-PE-00920 Return Date 27/08/2018 12/10/2018 29/03/2019 Owner Cmmt Category Code: G06 Process simulation model Category Code: G20 Design calculations Category Code: G21 Hydraulic Calculation Category Code: G22 Flare Calculation Purpose\*\* Issue Plan Class 2 Purpose\*\* PE OL1-2G22-0001 FLARE LOAD SUMMARY Class 2 IFR Issue Plan 25/10/2018 Revised Plan 25/10/2018 Issue Actual TPSK-LSPA1-T-PE-00229 Transmittal no Return Date 14/11/2018 Owner Cmmt\* R2 Category Code: G23 Sizing data for the relief and blowdown systems Category Code: G30 Process Equipment Data Sheets PE OL1-2G30-1000 PROCESS EQUIPMENT DATA SHEET - 10-D-1000 - LP Class 1 Purpose\*\* IFR IFD Issue Plan 18/02/2019 25/03/2019 Revised Plan 25/10/2018 10/12/2018 Issue Actual TPSK-LSPA1-T-PE-00227 Transmittal no. Return Date 05/12/2018 16/01/2019 Owner Cmmt\* R1 R1 PE OL1-2G30-1001 PROCESS EQUIPMENT DATA SHEET - 10-E-1000 - LPC Class 1 Purpose\*\* IFD Issue Plan 18/03/2019 Revised Plan Issue Actual 10/12/2018 Transmittal no. TPSK-LSPA1-T-PE-00451 Return Date 16/01/2019 Owner Cmmt\* PE OL1-2G30-1003 PROCESS EQUIPMENT DATA SHEET - 10-E-1001 - LP Class 1 Purpose\*\* IFR Issue Plan 18/02/2019 18/03/2019 Revised Plan 16/10/2018 23/01/2019 Issue Actual

ABBREVIATION DOCUMENT NO. \*Owner Feedback (Comment) \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information R1 = No comments R2 = Comments as noted Master Document Index (MDI) IFR = Issue For Review IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation A1 = App. w/o comments LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification Transmittal no. TPSK-LSPA1-T-PE-00179 TPSK-LSPA1-T-PE-00712 28/01/2019 05/03/2019 Return Date Owner Cmmt\* PE OL1-2G30-1005 PROCESS EQUIPMENT DATA SHEET - 10-E-1005 - LP Class 1 Purpose\*\* IFR IFD IFD Issue Plan 18/02/2019 18/03/2019 Revised Plan 15/10/2018 18/01/2019 Issue Actual 06/03/2019 TPSK-LSPA1-T-PE-00176 TPSK-LSPA1-T-PE-00680 TPSK-LSPA1-T-PE-00999 Transmittal no. Return Date 14/11/2018 21/02/2019 Owner Cmmt\* R2 R1 PE OL1-2G30-1006 Process Equipment Datasheet - 10-E-1006 - LPG Fe Class Final Purpose\*\* Issue Plan Revised Plan Issue Actual 06/03/2019 04/04/2019 Transmittal no TPSK-LSPA1-T-PE-00998 TPSK-LSPA1-T-PE-01261 Return Date Owner Cmmt PE OL1-2G30-1015 PROCESS EQUIPMENT DATA SHEET - 10-E-1015 - LPC Class 1 Purpose\*\* IFR IFD 18/03/2019 Issue Plan 18/02/2019 Revised Plan Issue Actual 15/10/2018 07/12/2018 TPSK-LSPA1-T-PE-0017 TPSK-LSPA1-T-PE-0043 Transmittal no Return Date 14/11/2018 16/01/2019 Owner Cmmt\* R1 PE OL1-2G30-1020 PROCESS EQUIPMENT DATA SHEET - 10-E-1020 - LIQ Class 1 IFR IFD IFD Purpose\*\* Issue Plan 18/02/2019 18/03/2019 Revised Plan Issue Actual 22/10/2018 07/12/2018 18/01/2019 06/03/2019 Transmittal no TPSK-LSPA1-T-PE-0020 TPSK-LSPA1-T-PE-00431 16/01/2019 Return Date 30/11/2018 21/02/2019 Owner Cmmt\* PE OL1-2G30-1051 PROCESS EQUIPMENT DATA SHEET - 10-E-1050 - C2 Class 1 IFR IFD Purpose\*\* Issue Plan 18/02/2019 18/03/2019 Revised Plan Issue Actual 22/10/2018 07/12/2018 TPSK-LSPA1-T-PE-00206 TPSK-LSPA1-T-PE-00436 Transmittal no. 30/11/2018 16/01/2019 Return Date Owner Cmmt\* PE OL1-2G30-1101 PROCESS DATA SHEETS YIELDS FOR 36M FURNACE Class 2 IFR IFD Purpose\*\* Issue Plan 15/08/2018 15/08/2018 Revised Plan Issue Actual 22/10/2018 26/11/2018 Transmittal no TPSK-LSPA1-T-PE-00204 TPSK-LSPA1-T-PE-00360 Return Date 30/11/2018 27/12/2018 Owner Cmmt R1 PE OL1-2G30-1102 AOCS PDS (36M FURNACE) Class 2 IFD 06/03/2019 Issue Plan Revised Plan 02/04/2019 Issue Actual 24/10/2018 TPSK-LSPA1-T-PE-00224 TPSK-LSPA1-T-PE-01232 Transmittal no. Owner Cmmt\* PE OL1-2G30-1105 API FIRED HEATER DATA SHEET (36M FURNACE) Class 2 Purpose\*\* IFR IFD Issue Plan 09/01/2019 06/03/2019 Revised Plan 06/02/2019 11/04/2019 Issue Actual TPSK-LSPA1-T-PE-00814 TPSK-LSPA1-T-PE-013 Return Date Owner Cmmt\* PE OL1-2G30-1106 BURNERS PDS (36M FURNACE) Purpose\*\* Α 30/10/2018 16/01/2019 Issue Plan Revised Plan 29/01/2019 Issue Actual 30/10/2018 Transmittal no. TPSK-LSPA1-T-PE-00241 TPSK-LSPA1-T-PE-00756 27/11/2018 26/02/2019 Owner Cmmt R2 PE OL1-2G30-1107 STEAM DRUM PDS (36M FURNACE) Purpose\*\* IFR IFD IFD Α Issue Plan 11/10/2018 03/12/2018 Revised Plan 12/12/2018 11/10/2018 26/02/2019 Issue Actual TPSK-LSPA1-T-PE-00159 TPSK-LSPA1-T-PE-00478 Transmittal no. Return Date 05/11/2018 11/02/2019 15/03/2019 Owner Cmmt\* R2 R1 R1 PE OL1-2G30-1108 USX QUENCH EXCHANGERS PDS (36M FURNACE) Class 2 Purpose\*\* IFR Issue Plan 19/09/2018 10/12/2018 Revised Plan Issue Actual 29/10/2018 07/12/2018 Transmittal no. TPSK-LSPA1-T-PE-00237 TPSK-LSPA1-T-PE-00432 Return Date 30/11/2018 11/02/2019 Owner Cmmt\* PE OL1-2G30-1109 TLX 1 QUENCH EXCHANGER PDS (36M FURNACE) Class 2 Purpose\*\* IFR IFD IFD Issue Plan 19/09/2018 10/12/2018 Revised Plan 29/10/2018 10/12/2018 15/03/2019 Issue Actual

ABBREVIATION DOCUMENT NO. \*Owner Feedback (Comment) \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON R1 = No comments R2 = Comments as noted Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification Transmittal no. 30/11/2018 11/02/2019 10/04/2019 Return Date Owner Cmmt\* PE OL1-2G30-1110 TLX 2 QUENCH EXCHANGER PDS (36M FURNACE) Class 2 Purpose\*\* IFR IFD IFD Issue Plan 19/09/2018 10/12/2018 Revised Plan 29/10/2018 10/12/2018 Issue Actual 15/03/2019 TPSK-LSPA1-T-PE-00237 TPSK-LSPA1-T-PE-00459 TPSK-LSPA1-T-PE-01078 Transmittal no. Return Date 30/11/2018 11/02/2019 10/04/2019 Owner Cmmt\* R2 R1 R1 PE OL1-2G30-1111 ID FAN DATA SHEET (36M FURNACE) Purpose\*\* Issue Plan 17/11/2018 Revised Plan Issue Actual 24/10/2018 15/03/2019 Transmittal no TPSK-LSPA1-T-PE-00222 TPSK-LSPA1-T-PE-01079 Return Date 30/11/2018 10/04/2019 Owner Cmmt PE OL1-2G30-1112 ATTEMPERATOR DATA SHEET (36M FURNACE) Purpose\*\* IFR IFD Issue Plan 16/11/2018 13/03/2019 Revised Plan Issue Actual 16/11/2018 29/01/2019 TPSK-LSPA1-T-PE-00330 TPSK-LSPA1-T-PE-0075 Transmittal no Return Date 13/12/2018 21/03/2019 Owner Cmmt\* R1 PE OL1-2G30-1151 USC 36M EFFLUENT MOV - DATA SHEET Class 2 IFR IFD Purpose\*\* Issue Plan 20/12/2018 Revised Plan Issue Actual 20/12/2018 29/03/2019 TPSK-LSPA1-T-PE-00521 TPSK-LSPA1-T-PE-01195 Return Date 28/01/2019 Owner Cmmt\* PE OL1-2G30-1152 USC 36M DECOKE MOV - DATA SHEET IFR IFD Purpose\*\* Issue Plan 20/12/2018 Issue Actual 20/12/2018 29/03/2019 TPSK-LSPA1-T-PE-00521 TPSK-LSPA1-T-PE-01195 Transmittal no. 28/01/2019 Return Date Owner Cmmt\* PE OL1-2G30-1153 Process Equipment Datasheet 10-MOV-1102B USC Class Final IFD Purpose\*\* Issue Plan Revised Plan Issue Actual 20/12/2018 29/03/2019 Transmittal no TPSK-LSPA1-T-PE-00521 TPSK-LSPA1-T-PE-01195 Return Date 28/01/2019 Owner Cmmt PE OL1-2G30-1201 PROCESS DATA SHEETS YIELDS FOR 132 U FURNACE Class 2 IFR IFD 15/08/2018 15/08/2018 Issue Plan Revised Plan Issue Actual 22/10/2018 27/11/2018 TPSK-LSPA1-T-PE-00204 Transmittal no. TPSK-LSPA1-T-PE-00372 14/01/2019 Return Date 30/11/2018 Owner Cmmt\* R2 R1 PE OL1-2G30-1202 AOCS PDS (132SU FURNACE) Purpose\*\* IFI IFD Issue Plan 06/03/2019 Revised Plan 24/10/2018 02/04/2019 Issue Actual TPSK-LSPA1-T-PE-00224 TPSK-LSPA1-T-PE-0123 Return Date Owner Cmmt\* PE OL1-2G30-1205 Process Equipment Datasheet - 10-H-1200/1600 - Class Final Purpose\*\* Α Issue Plan Revised Plan Issue Actual 06/02/2019 11/04/2019 Transmittal no. TPSK-LSPA1-T-PE-00814 TPSK-LSPA1-T-PE-01322 Owner Cmmt PE OL1-2G30-1206 BURNERS PDS (132SU FURNACE) Purpose\*\* IFR IFD Α Issue Plan 30/10/2018 16/01/2019 Revised Plan 30/10/2018 29/01/2019 Issue Actual TPSK-LSPA1-T-PE-00241 Transmittal no. Return Date 27/12/2018 26/02/2019 Owner Cmmt\* R2 R2 PE OL1-2G30-1207 STEAM DRUM PDS (132SU FURNACE) Purpose\*\* IFR IFD Α Issue Plan 11/10/2018 03/12/2018 Revised Plan Issue Actual 11/10/2018 12/12/2018 26/02/2019 Transmittal no. 15/03/2019 Return Date 05/11/2018 11/02/2019 Owner Cmmt\* PE OL1-2G30-1208 SLE QUENCH EXCHANGERS PDS (132SU FURNACE) Class 2 Purpose\*\* IFR IFD Issue Plan 19/09/2018 10/12/2018 Revised Plan 29/10/2018 07/12/2018 Issue Actual

ABBREVIATION DOCUMENT NO. \*Owner Feedback (Comment) \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information R1 = No comments R2 = Comments as noted Master Document Index (MDI) IFR = Issue For Review IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation A1 = App. w/o comments LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification Transmittal no. TPSK-LSPA1-T-PE-00237 TPSK-LSPA1-T-PE-00433 30/11/2018 11/02/2019 Return Date Owner Cmmt\* PE OL1-2G30-1209 TLX QUENCH EXCHANGER PDS (132SU FURNACE) Class 2 Purpose\*\* IFR IFD IFD Issue Plan 19/09/2018 10/12/2018 Revised Plan 10/12/2018 Issue Actual 29/10/2018 15/03/2019 TPSK-LSPA1-T-PE-00237 TPSK-LSPA1-T-PE-00449 TPSK-LSPA1-T-PE-01078 Transmittal no. Return Date 30/11/2018 11/02/2019 10/04/2019 Owner Cmmt\* R2 R1 R1 PE OL1-2G30-1211 ID FAN DATA SHEET (132SU FURNACE) Purpose\*\* Issue Plan 17/11/2018 Revised Plan Issue Actual 24/10/2018 15/03/2019 Transmittal no TPSK-LSPA1-T-PE-00222 TPSK-LSPA1-T-PE-01079 Return Date 30/11/2018 10/04/2019 Owner Cmmt PE OL1-2G30-1212 ATTEMPERATOR DATA SHEET (132SU FURNACE) Class 2 Purpose\*\* IFR IFD Issue Plan 16/11/2018 13/03/2019 Revised Plan Issue Actual 16/11/2018 29/01/2019 01/04/2019 TPSK-LSPA1-T-PE-00330 TPSK-LSPA1-T-PE-00752 TPSK-LSPA1-T-PE-0122 Transmittal no Return Date 13/12/2018 21/03/2019 Owner Cmmt\* R1 R2 PE OL1-2G30-1213 MIXING TEE PDS (132SU FURNACE) IFR IFD Purpose\*\* Issue Plan 07/12/2018 09/01/2019 Revised Plan Issue Actual 07/12/2018 26/02/2019 TPSK-LSPA1-T-PE-00434 TPSK-LSPA1-T-PE-0093 15/03/2019 Return Date Owner Cmmt\* PE OL1-2G30-1251 USC 132SU EFFLUENT MOV - DATA SHEET IFR IFD Purpose\*\* Α Issue Plan 20/12/2018 Issue Actual 20/12/2018 29/03/2019 TPSK-LSPA1-T-PE-00521 TPSK-LSPA1-T-PE-01195 Transmittal no. 28/01/2019 Return Date Owner Cmmt\* PE OL1-2G30-1252 USC 132SU DECOKE MOV - DATA SHEET IFR IFD Purpose\*\* Issue Plan 20/12/2018 Revised Plan Issue Actual 20/12/2018 29/03/2019 Transmittal no TPSK-LSPA1-T-PE-00521 TPSK-LSPA1-T-PE-01195 Return Date 28/01/2019 Owner Cmmt PE OL1-2G30-1253 Process Equipment Datasheet 10-MOV-1202B USC Class Final IFR IFD Α Issue Plan Revised Plan Issue Actual 20/12/2018 29/03/2019 TPSK-LSPA1-T-PE-00521 TPSK-LSPA1-T-PE-01195 Transmittal no. 28/01/2019 Owner Cmmt\* R2 PE OL1-2G30-1911 Process Equipment Datasheet - 10-D-1910 - DMDS Class Final Purpose\*\* IFR IFD IFD Issue Plan 18/02/2019 25/03/2019 Revised Plan 22/01/2019 08/04/2019 19/03/2019 Issue Actual TPSK-LSPA1-T-PE-00686 TPSK-LSPA1-T-PE-01096 TPSK-LSPA1-T-PE--012 Transmittal no Return Date 21/02/2019 10/04/2019 Owner Cmmt\* PE OL1-2G30-1912 Process Equipment Datasheet - 10-D-1912 - DMDS Class Final IFR Purpose\*\* Α 25/03/2019 Issue Plan 18/02/2019 Revised Plan 22/01/2019 19/03/2019 Issue Actual 08/04/2019 Transmittal no. TPSK-LSPA1-T-PE-00686 | TPSK-LSPA1-T-PE-01096 | TPSK-LSPA1-T-PE-01280 21/02/2019 10/04/2019 Owner Cmmt R2 PE OL1-2G30-1913 Process Equipment Datasheet - 10-P-1910 A-B - DM Class Final Purpose\*\* IFR IFD Α Issue Plan 11/03/2019 01/04/2019 Revised Plan 22/01/2019 01/03/2019 Issue Actual Transmittal no. Return Date 21/02/2019 21/03/2019 Owner Cmmt\* R2 R1 PE OL1-2G30-1914 Process Equipment Datasheet - 10-P-1912 - DMDS Class Final Purpose\*\* IFR Issue Plan 11/03/2019 01/04/2019 Revised Plan Issue Actual 22/01/2019 01/03/2019 Transmittal no. TPSK-LSPA1-T-PE-00687 TPSK-LSPA1-T-PE-00963 Return Date 21/02/2019 21/03/2019 Owner Cmmt PE OL1-2G30-1950 PROCESS EQUIPMENT DATA SHEET - 10-PK-1950 - D Class 1 Purpose\*\* IFA IFD IFD Issue Plan 02/01/2019 Revised Plan 29/08/2018 28/09/2018 30/10/2018 Issue Actual

ABBREVIATION DOCUMENT NO. \*Owner Feedback (Comment) \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON R1 = No comments R2 = Comments as noted Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation A1 = App. w/o comments LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days **Document Name** Classification Transmittal no. TPSK-LSPA1-T-PE-00031 TPSK-LSPA1-T-PE-00114 TPSK-LSPA1-T-PE-00242 28/09/2018 24/10/2018 30/11/2018 Return Date Owner Cmmt\* PE OL1-2G30-2000 PROCESS EQUIPMENT DATA SHEET - 10-T-2000 - QU Class 1 Purpose\*\* IFR IFD Issue Plan 21/01/2019 25/02/2019 Revised Plan 04/12/2018 12/10/2018 Issue Actual TPSK-LSPA1-T-PE-00162 TPSK-LSPA1-T-PE-00402 Transmittal no. Return Date 05/11/2018 14/01/2019 Owner Cmmt\* R2 R1 PE OL1-2G30-2006 PROCESS EQUIPMENT DATA SHEET - 10-P-2006 - QU Class 1 IFA IFD Purpose\*\* Issue Plan 01/04/2019 Revised Plan Issue Actual 20/09/2018 22/10/2018 26/03/2019 Transmittal no TPSK-LSPA1-T-PE-00071 TPSK-LSPA1-T-PE-00202 TPSK-LSPA1-T-PE-01159 Return Date 09/10/2018 30/11/2018 12/04/2019 Owner Cmmt PE OL1-2G30-2010 PROCESS EQUIPMENT DATA SHEET - 10-F-2008 - QU Class 1 Purpose\*\* IFR IFD Issue Plan 07/12/2018 02/01/2019 Revised Plan Issue Actual 21/11/2018 07/01/2019 TPSK-LSPA1-T-PE-00350 TPSK-LSPA1-T-PE-006 Transmittal no Return Date 27/12/2018 04/02/2019 Owner Cmmt\* R1 PE OL1-2G30-2014 PROCESS EQUIPMENT DATA SHEET - 10-F-2009 - QO Class 1 IFR IFD Purpose\*\* Issue Plan 07/12/2018 02/01/2019 Revised Plan Issue Actual 21/11/2018 07/01/2019 Transmittal no TPSK-LSPA1-T-PE-006 27/12/2018 04/02/2019 Return Date Owner Cmmt\* PE OL1-2G30-2015 PROCESS EQUIPMENT DATA SHEET - 10-E-2008 - VLI Class 1 IFR IFD Purpose\*\* Issue Plan 18/02/2019 18/03/2019 Revised Plan Issue Actual 09/11/2018 11/01/2019 TPSK-LSPA1-T-PE-00305 TPSK-LSPA1-T-PE-00632 Transmittal no. 13/12/2018 11/02/2019 Return Date Owner Cmmt\* PE OL1-2G30-2020 PROCESS EQUIPMENT DATA SHEET - 10-T-2020 - LIG Class 1 IFR IFD Purpose\*\* Issue Plan 21/01/2019 25/02/2019 Revised Plan Issue Actual 29/10/2018 07/12/2018 Transmittal no TPSK-LSPA1-T-PE-00238 TPSK-LSPA1-T-PE-00437 Return Date 04/12/2018 16/01/2019 Owner Cmmt PE OL1-2G30-2024 PROCESS EQUIPMENT DATA SHEET - 10-P-2026 - LIG Class 1 IFR IFD 11/03/2019 01/04/2019 Issue Plan Revised Plan 07/11/2018 Issue Actual 14/01/2019 TPSK-LSPA1-T-PE-00285 Transmittal no. TPSK-LSPA1-T-PE-00648 27/12/2018 Return Date Owner Cmmt\* R1 R1 PE OL1-2G30-2025 PROCESS EQUIPMENT DATA SHEET - 10-F-2026 - CR Class 1 Purpose\*\* IFR IFD Issue Plan 07/12/2018 02/01/2019 Revised Plan 21/11/2018 18/01/2019 Issue Actual TPSK-LSPA1-T-PE-00350 TPSK-LSPA1-T-PE-0067 Transmittal no Return Date 27/12/2018 11/02/2019 Owner Cmmt\* PE OL1-2G30-2026 PROCESS EQUIPMENT DATA SHEET - 10-E-2026 - FU Class 1 IFR Purpose\*\* Α Issue Plan 18/02/2019 18/03/2019 Revised Plan 09/11/2018 Issue Actual 18/01/2019 Transmittal no TPSK-LSPA1-T-PE-00298 TPSK-LSPA1-T-PE-00680 17/12/2018 21/02/2019 Owner Cmmt PE OL1-2G30-2028 PROCESS EQUIPMENT DATA SHEET - 10-F-2028 - FO Class 1 Purpose\*\* IFR IFD Α Issue Plan 07/12/2018 02/01/2019 Revised Plan 21/11/2018 18/01/2019 Issue Actual TPSK-LSPA1-T-PE-00350 Transmittal no. Return Date 27/12/2018 11/02/2019 Owner Cmmt\* R1 R1 PE OL1-2G30-2036 PROCESS EQUIPMENT DATA SHEET - 10-X-2036 - QU Class 1 Purpose\*\* IFR Issue Plan 18/02/2019 11/03/2019 Revised Plan Issue Actual 20/11/2018 07/01/2019 Transmittal no. TPSK-LSPA1-T-PE-00338 TPSK-LSPA1-T-PE-00604 04/02/2019 Return Date 27/12/2018 Owner Cmmt\* PE OL1-2G30-2040 PROCESS EQUIPMENT DATA SHEET - 10-T-2040 - HE Class 1 Purpose\*\* IFR IFD Issue Plan 21/01/2019 25/02/2019 Revised Plan 12/10/2018 21/11/2018 Issue Actual

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*Owner Feedback (Comment) \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review R1 = No comments R2 = Comments as noted IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation A1 = App. w/o comments LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days **Document Name** Classification Transmittal no. TPSK-LSPA1-T-PE-00162 TPSK-LSPA1-T-PE-00347 14/01/2019 Return Date 05/11/2018 Owner Cmmt\* PE OL1-2G30-2046 PROCESS EQUIPMENT DATA SHEET - 10-P-2046 - HE Class 1 Purpose\*\* IFR IFD Issue Plan 11/03/2019 01/04/2019 Revised Plan 07/11/2018 14/01/2019 Issue Actual TPSK-LSPA1-T-PE-00285 TPSK-LSPA1-T-PE-00648 Transmittal no. Return Date 27/12/2018 28/01/2019 Owner Cmmt\* R1 R1 PE OL1-2G30-2048 PROCESS EQUIPMENT DATA SHEET - 10-E-2048 - HE Class 1 Purpose\*\* Issue Plan 18/02/2019 18/03/2019 Revised Plan Issue Actual 09/11/2018 18/01/2019 Transmittal no TPSK-LSPA1-T-PE-00298 TPSK-LSPA1-T-PE-00680 Return Date 17/12/2018 21/02/2019 Owner Cmmt PE OL1-2G30-2049 PROCESS EQUIPMENT DATA SHEET - 10-F-2048 - HE Class 1 Purpose\*\* IFR IFD 02/01/2019 Issue Plan 07/12/2018 Revised Plan Issue Actual 21/11/2018 18/01/2019 TPSK-LSPA1-T-PE-00350 TPSK-LSPA1-T-PE-006 Transmittal no Return Date 27/12/2018 11/02/2019 Owner Cmmt\* R1 PE OL1-2G30-2090 PROCESS EQUIPMENT DATA SHEET - 10-D-2090 - QU Class 1 IFR IFD Purpose\*\* Issue Plan 18/02/2019 25/03/2019 Revised Plan Issue Actual 27/11/2018 01/03/2019 TPSK-LSPA1-T-PE-0096 21/03/2019 Return Date 25/02/2019 Owner Cmmt\* PE OL1-2G30-2091 PROCESS EQUIPMENT DATA SHEET - 10-P-2090 - QU Class 1 IFR IFD IFD Purpose\*\* Issue Plan 11/03/2019 01/04/2019 Revised Plan Issue Actual 27/11/2018 01/03/2019 26/03/2019 04/04/2019 Transmittal no. 21/03/2019 25/02/2019 12/04/2019 Return Date Owner Cmmt\* R1 PE OL1-2G30-2092 PROCESS EQUIPMENT DATA SHEET - 10-EJ-2090 - QL Class 1 Purpose\*\* Issue Plan 11/03/2019 Revised Plan 07/01/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-00595 Return Date 28/01/2019 Owner Cmmt PE OL1-2G30-2100 PROCESS EQUIPMENT DATA SHEET - 10-T-2100 - QU Class 1 IFR IFD IFD 21/01/2019 25/02/2019 Issue Plan Revised Plan Issue Actual 29/10/2018 07/12/2018 28/03/2019 TPSK-LSPA1-T-PE-00238 TPSK-LSPA1-T-PE-01184 Transmittal no. TPSK-LSPA1-T-PE-00437 04/12/2018 Return Date Owner Cmmt\* R2 R1 PE OL1-2G30-2101 PROCESS EQUIPMENT DATA SHEET - 10-E-2100 - QU Class 1 Purpose\*\* IFA IFD IFD Issue Plan 18/03/2019 Revised Plan 10/09/2018 08/10/2018 04/04/2019 Issue Actual TPSK-LSPA1-T-PE-00036 TPSK-LSPA1-T-PE-00143 Return Date 02/10/2018 Owner Cmmt\* PE OL1-2G30-2104 PROCESS EQUIPMENT DATA SHEET - 10-F-2105 - QU Class 1 IFR Purpose\*\* Α 02/01/2019 Issue Plan 07/12/2018 Revised Plan 07/01/2019 Issue Actual 21/11/2018 15/03/2019 Transmittal no TPSK-LSPA1-T-PE-00350 | TPSK-LSPA1-T-PE-00606 | TPSK-LSPA1-T-PE-01072 04/02/2019 10/04/2019 Return Date 27/12/2018 Owner Cmmt PE OL1-2G30-2105 PROCESS EQUIPMENT DATA SHEET - 10-P-2105 - QU Class 1 Purpose\*\* IFR IFD IFD Α С Issue Plan 11/03/2019 01/04/2019 Revised Plan 07/11/2018 07/01/2019 26/03/2019 Issue Actual TPSK-LSPA1-T-PE-00285 TPSK-LSPA1-T-PE-01159 Transmittal no. Return Date 27/12/2018 04/02/2019 12/04/2019 Owner Cmmt\* R1 R1 R1 PE OL1-2G30-2106 PROCESS EQUIPMENT DATA SHEET - 10-P-2106 - QU Class 1 IFD Purpose\*\* IFA Α Issue Plan 01/04/2019 Revised Plan Issue Actual 20/09/2018 22/10/2018 26/03/2019 Transmittal no. TPSK-LSPA1-T-PE-00070 TPSK-LSPA1-T-PE-00202 TPSK-LSPA1-T-PE-01159 12/04/2019 Return Date 09/10/2018 30/11/2018 Owner Cmmt PE OL1-2G30-2110 PROCESS EQUIPMENT DATA SHEET - 10-D-2110 - IN Class 1 Purpose\*\* IFR IFD IFD Issue Plan 18/02/2019 25/03/2019 Revised Plan 10/12/2018 18/01/2019 01/03/2019 Issue Actual

ABBREVIATION DOCUMENT NO. \*Owner Feedback (Comment) \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information R1 = No comments R2 = Comments as noted Master Document Index (MDI) IFR = Issue For Review IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation A1 = App. w/o comments LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days **Document Name** Classification Transmittal no. TPSK-LSPA1-T-PE-00453 TPSK-LSPA1-T-PE-00678 TPSK-LSPA1-T-PE-00964 16/01/2019 21/02/2019 21/03/2019 Return Date Owner Cmmt\* PE OL1-2G30-2120 PROCESS EQUIPMENT DATA SHEET - 10-T-2120 - DIS Class 1 Purpose\*\* IFR IFD IFD Issue Plan 21/01/2019 25/02/2019 Revised Plan 31/10/2018 29/11/2018 Issue Actual 07/12/2018 TPSK-LSPA1-T-PE-00253 TPSK-LSPA1-T-PE-00401 TPSK-LSPA1-T-PE-00437 Transmittal no. Return Date 04/12/2018 14/01/2019 16/01/2019 Owner Cmmt\* R2 R1 R1 PE OL1-2G30-2125 PROCESS EQUIPMENT DATA SHEET - 10-E-2125 - DIS Class 1 Purpose\*\* Α Issue Plan 18/02/2019 18/03/2019 Revised Plan Issue Actual 01/11/2018 13/12/2018 Transmittal no TPSK-LSPA1-T-PE-00265 TPSK-LSPA1-T-PE-00492 Return Date 10/12/2018 22/01/2019 Owner Cmmt PE OL1-2G30-2126 PROCESS EQUIPMENT DATA SHEET - 10-P-2126 - DIS Class 1 Purpose\*\* IFR IFD Issue Plan 11/03/2019 01/04/2019 Revised Plan Issue Actual 27/11/2018 01/03/2019 TPSK-LSPA1-T-PE-00371 TPSK-LSPA1-T-PE-0096 Transmittal no Return Date 25/02/2019 21/03/2019 Owner Cmmt\* R1 PE OL1-2G30-2136 PROCESS EQUIPMENT DATA SHEET - 10-D-2136 - PR Class 1 IFR IFD Purpose\*\* Issue Plan 18/02/2019 25/03/2019 Revised Plan Issue Actual 10/12/2018 18/01/2019 Transmittal no TPSK-LSPA1-T-PE-00453 TPSK-LSPA1-T-PE-0067 Return Date 16/01/2019 21/02/2019 Owner Cmmt\* PE OL1-2G30-2137 PROCESS EQUIPMENT DATA SHEET - 10-E-2136 - PR Class 1 IFR IFD Purpose\*\* Issue Plan 18/02/2019 18/03/2019 Revised Plan Issue Actual 18/10/2018 10/12/2018 TPSK-LSPA1-T-PE-00194 TPSK-LSPA1-T-PE-00467 Transmittal no. 26/11/2018 22/01/2019 Return Date Owner Cmmt\* PE OL1-2G30-2138 PROCESS EQUIPMENT DATA SHEET - 10-F-2136 - PR Class 1 IFR IFD IFD Purpose\*\* Issue Plan 07/12/2018 02/01/2019 Revised Plan 07/01/2019 Issue Actual 21/11/2018 15/03/2019 Transmittal no TPSK-LSPA1-T-PE-00350 TPSK-LSPA1-T-PE-00606 TPSK-LSPA1-T-PE-0107 Return Date 27/12/2018 04/02/2019 10/04/2019 Owner Cmmt R1 PE OL1-2G30-2140 PROCESS EQUIPMENT DATA SHEET - 10-T-2140 - PRI Class 1 IFR IFD 21/01/2019 25/02/2019 Issue Plan Revised Plan 17/10/2018 Issue Actual 29/11/2018 TPSK-LSPA1-T-PE-00189 Transmittal no. TPSK-LSPA1-T-PE-00403 14/01/2019 Return Date 26/11/2018 Owner Cmmt\* R2 R1 PE OL1-2G30-2145 PROCESS EQUIPMENT DATA SHEET - 10-E-2145 - PR Class 1 Purpose\*\* IFR IFD Issue Plan 18/02/2019 18/03/2019 Revised Plan 07/01/2019 18/10/2018 Issue Actual TPSK-LSPA1-T-PE-00194 TPSK-LSPA1-T-PE-0060 Return Date 27/12/2018 04/02/2019 Owner Cmmt\* PE OL1-2G30-2146 PROCESS EQUIPMENT DATA SHEET - 10-P-2146 - DS Class 1 Purpose\*\* Α Issue Plan 01/04/2019 Revised Plan 22/10/2018 Issue Actual 20/09/2018 Transmittal no TPSK-LSPA1-T-PE-00069 TPSK-LSPA1-T-PE-00202 30/11/2018 09/10/2018 Owner Cmmt A3 PE OL1-2G30-2147 PROCESS EQUIPMENT DATA SHEET - 10-E-2146 - DS Class 1 Purpose\*\* IFR IFD Α Issue Plan 18/02/2019 18/03/2019 Revised Plan 07/01/2019 18/10/2018 Issue Actual TPSK-LSPA1-T-PE-00194 Transmittal no. Return Date 27/12/2018 04/02/2019 Owner Cmmt\* R1 R1 PE OL1-2G30-2160 PROCESS EQUIPMENT DATA SHEET - 10-D-2160 - DI Class 1 Purpose\*\* IFA Α Issue Plan 25/03/2019 Revised Plan Issue Actual 28/09/2018 10/01/2019 Transmittal no. TPSK-LSPA1-T-PE-00115 TPSK-LSPA1-T-PE-00620 Return Date 05/11/2018 11/02/2019 Owner Cmmt\* PE OL1-2G30-2161 PROCESS EQUIPMENT DATA SHEET - 10-E-2160 - DIL Class 1 Purpose\*\* IFR IFD Issue Plan 18/02/2019 18/03/2019 Revised Plan

Issue Actual

18/10/2018 10/12/2018

ABBREVIATION DOCUMENT NO. \*Owner Feedback (Comment) \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON R1 = No comments R2 = Comments as noted Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation A1 = App. w/o comments LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification Transmittal no. TPSK-LSPA1-T-PE-00194 TPSK-LSPA1-T-PE-00467 22/01/2019 Return Date 26/11/2018 Owner Cmmt\* PE OL1-2G30-2165 PROCESS EQUIPMENT DATA SHEET - 10-E-2165 - DS Class 1 Purpose\*\* IFR IFD Issue Plan 18/02/2019 18/03/2019 Revised Plan 10/12/2018 Issue Actual 18/10/2018 TPSK-LSPA1-T-PE-00194 TPSK-LSPA1-T-PE-00467 Transmittal no. Return Date 26/11/2018 22/01/2019 Owner Cmmt\* R2 R1 PE OL1-2G30-2166 PROCESS EQUIPMENT DATA SHEET - 10-E-2166 - DS Class 1 Purpose\*\* Issue Plan 18/02/2019 18/03/2019 Revised Plan Issue Actual 23/10/2018 07/12/2018 Transmittal no TPSK-LSPA1-T-PE-00209 TPSK-LSPA1-T-PE-00431 Return Date 30/11/2018 16/01/2019 Owner Cmmt PE OL1-2G30-2190 PROCESS EQUIPMENT DATA SHEET - 10-D-2190 - QU Class 1 Purpose\*\* IFR IFD 25/03/2019 Issue Plan 18/02/2019 Revised Plan Issue Actual 27/11/2018 01/03/2019 TPSK-LSPA1-T-PE-0036 Transmittal no Return Date 25/02/2019 21/03/2019 Owner Cmmt\* R1 PE OL1-2G30-2191 PROCESS EQUIPMENT DATA SHEET - 10-P-2190 - QU Class 1 IFR IFD Purpose\*\* Issue Plan 11/03/2019 01/04/2019 Revised Plan Issue Actual 21/11/2018 07/01/2019 Transmittal no TPSK-LSPA1-T-PE-0060 27/12/2018 Return Date 04/02/2019 Owner Cmmt\* PE OL1-2G30-2192 PROCESS EQUIPMENT DATA SHEET - 10-EJ-2190 - QI Class 1 IFD Purpose\*\* Issue Plan 11/03/2019 Revised Plan Issue Actual 07/01/2019 TPSK-LSPA1-T-PE-00595 Transmittal no. 28/01/2019 Return Date Owner Cmmt\* PE OL1-2G30-2200 PROCESS EQUIPMENT DATA SHEET - 10-C-2200 - CR Class 1 IFA IFD Purpose\*\* Issue Plan 02/01/2019 Revised Plan Issue Actual 22/08/2018 Transmittal no TPSK-LSPA1-T-PE-00025 TPSK-LSPA1-T-PE-00055 Return Date 11/09/2018 Owner Cmmt PE OL1-2G30-2206 PROCESS EQUIPMENT DATA SHEET - 10-E-2206 - WA Class 1 IFR IFD 18/02/2019 18/03/2019 Issue Plan Revised Plan Issue Actual 28/11/2018 16/01/2019 TPSK-LSPA1-T-PE-00381 Transmittal no. TPSK-LSPA1-T-PE-00655 14/01/2019 11/02/2019 Return Date Owner Cmmt\* R1 R1 PE OL1-2G30-2210 PROCESS EQUIPMENT DATA SHEET - 10-D-2210 - CG Class 1 Purpose\*\* IFR IFD Issue Plan 18/02/2019 25/03/2019 Revised Plan 09/10/2018 10/12/2018 Issue Actual TPSK-LSPA1-T-PE-00144 TPSK-LSPA1-T-PE-00448 Transmittal no Return Date 05/11/2018 16/01/2019 Owner Cmmt\* PE OL1-2G30-2211 PROCESS EQUIPMENT DATA SHEET - 10-E-2210 - CG Class 1 IFR Purpose\*\* Α Issue Plan 18/02/2019 18/03/2019 Revised Plan 01/11/2018 13/12/2018 Issue Actual Transmittal no. TPSK-LSPA1-T-PE-00266 TPSK-LSPA1-T-PE-00479 10/12/2018 22/01/2019 Owner Cmmt PE OL1-2G30-2212 PROCESS EQUIPMENT DATA SHEET - 10-P-2210 - CG Class 1 Purpose\*\* IFR IFD Α Issue Plan 11/03/2019 01/04/2019 Revised Plan 07/11/2018 07/01/2019 Issue Actual TPSK-LSPA1-T-PE-00285 Transmittal no. Return Date 27/12/2018 28/01/2019 Owner Cmmt\* R1 R1 PE OL1-2G30-2220 PROCESS EQUIPMENT DATA SHEET - 10-D-2220 - CG Class 1 Purpose\*\* IFR IFD Issue Plan 18/02/2019 25/03/2019 Revised Plan Issue Actual 09/10/2018 10/12/2018 18/01/2019 Transmittal no. TPSK-LSPA1-T-PE-00144 TPSK-LSPA1-T-PE-00448 TPSK-LSPA1-T-PE-00678 21/02/2019 Return Date 05/11/2018 16/01/2019 Owner Cmmt\* PE OL1-2G30-2221 PROCESS EQUIPMENT DATA SHEET - 10-E-2220 - CG Class 1 Purpose\*\* IFR IFD Issue Plan 18/02/2019 18/03/2019 Revised Plan 22/10/2018 07/12/2018 Issue Actual

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation A1 = App. w/o comments LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification TPSK-LSPA1-T-PE-00206 TPSK-LSPA1-T-PE-00431 Transmittal no. 30/11/2018 Return Date 16/01/2019 Owner Cmmt\* PE OL1-2G30-2222 PROCESS EQUIPMENT DATA SHEET - 10-P-2220 - CG Class 1 Purpose\*\* IFR IFD Issue Plan 11/03/2019 01/04/2019 Revised Plan 07/01/2019 07/11/2018 Issue Actual TPSK-LSPA1-T-PE-00285 TPSK-LSPA1-T-PE-00593 Transmittal no. Return Date 27/12/2018 28/01/2019 Owner Cmmt\* R1 R1 PE OL1-2G30-2230 PROCESS EQUIPMENT DATA SHEET - 10-D-2230 - CG Class 1 Purpose\*\* Issue Plan 18/02/2019 25/03/2019 Revised Plan Issue Actual 09/10/2018 10/12/2018 Transmittal no TPSK-LSPA1-T-PE-00144 TPSK-LSPA1-T-PE-00448 Return Date 05/11/2018 16/01/2019 Owner Cmmt PE OL1-2G30-2231 PROCESS EQUIPMENT DATA SHEET - 10-E-2230 - CG Class 1 Purpose\*\* IFR IFD Issue Plan 18/02/2019 18/03/2019 Revised Plan Issue Actual 22/10/2018 07/12/2018 TPSK-LSPA1-T-PE-00206 TPSK-LSPA1-T-PE-00431 Transmittal no Return Date 30/11/2018 16/01/2019 Owner Cmmt\* R1 PE OL1-2G30-2240 PROCESS EQUIPMENT DATA SHEET - 10-D-2240 - CG Class 1 IFD Purpose\*\* Issue Plan 25/03/2019 Revised Plan Issue Actual 10/12/2018 TPSK-LSPA1-T-PE-0044 Return Date 16/01/2019 Owner Cmmt\* PE OL1-2G30-2241 PROCESS EQUIPMENT DATA SHEET - 10-E-2240 - CG Class 1 IFR IFD Purpose\*\* Issue Plan 18/02/2019 18/03/2019 Revised Plan Issue Actual 22/10/2018 07/12/2018 TPSK-LSPA1-T-PE-00206 TPSK-LSPA1-T-PE-00436 Transmittal no. 30/11/2018 16/01/2019 Return Date Owner Cmmt\* PE OL1-2G30-2245 PROCESS EQUIPMENT DATA SHEET - 10-D-2245 - CG Class 1 IFR IFD Purpose\*\* Issue Plan 18/02/2019 25/03/2019 Revised Plan 01/11/2018 Issue Actual 13/12/2018 Transmittal no TPSK-LSPA1-T-PE-00264 TPSK-LSPA1-T-PE-00480 Return Date 10/12/2018 22/01/2019 Owner Cmmt PE OL1-2G30-2300 PROCESS EQUIPMENT DATA SHEET - 10-T-2300 - CAl Class 1 IFA IFD IFD Α 25/02/2019 Issue Plan Revised Plan 08/11/2018 Issue Actual 18/09/2018 07/01/2019 TPSK-LSPA1-T-PE-00060 Transmittal no. TPSK-LSPA1-T-PE-00290 TPSK-LSPA1-T-PE-0059 24/10/2018 27/12/2018 Return Date Owner Cmmt\* A3 R2 A1 PE OL1-2G30-2301 PROCESS EQUIPMENT DATA SHEET - 10-X-2300 - CA Class 1 Purpose\*\* IFD IFD Issue Plan 11/03/2019 Revised Plan 28/11/2018 07/01/2019 Issue Actual TPSK-LSPA1-T-PE-00383 TPSK-LSPA1-T-PE-006 Transmittal no Return Date 14/01/2019 04/02/2019 Owner Cmmt\* PE OL1-2G30-2302 PROCESS EQUIPMENT DATA SHEET - 10-P-2302 - STI Class 1 Purpose\*\* Issue Plan 01/04/2019 Revised Plan 20/12/2018 Issue Actual Transmittal no. TPSK-LSPA1-T-PE-00524 28/01/2019 Owner Cmmt PE OL1-2G30-2304 PROCESS EQUIPMENT DATA SHEET - 10-P-2304 - IN Class 1 Purpose\*\* IFD Issue Plan 01/04/2019 Revised Plan 28/11/2018 Issue Actual Transmittal no. Return Date 14/01/2019 Owner Cmmt\* R1 PE OL1-2G30-2305 PROCESS EQUIPMENT DATA SHEET - 10-E-2305 - CAl Class 1 Purpose\*\* IFR IFD Issue Plan 18/02/2019 18/03/2019 Revised Plan Issue Actual 31/10/2018 20/12/2018 Transmittal no. TPSK-LSPA1-T-PE-00259 TPSK-LSPA1-T-PE-00523 Return Date 10/12/2018 28/01/2019 Owner Cmmt\* PE OL1-2G30-2306 PROCESS EQUIPMENT DATA SHEET - 10-P-2306 - WI Class 1 Purpose\*\* IFD Issue Plan 01/04/2019 Revised Plan Issue Actual 28/11/2018

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation A1 = App. w/o comments LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification TPSK-LSPA1-T-PE-00382 Transmittal no. 14/01/2019 Return Date Owner Cmmt\* PE OL1-2G30-2307 PROCESS EQUIPMENT DATA SHEET - 10-F-2306 - WE Class 1 Purpose\*\* IFR IFD IFD Issue Plan 07/12/2018 02/01/2019 Revised Plan 22/10/2018 13/12/2018 Issue Actual 30/01/2019 TPSK-LSPA1-T-PE-00205 TPSK-LSPA1-T-PE-00493 TPSK-LSPA1-T-PE-00775 Transmittal no. Return Date 30/11/2018 22/01/2019 28/02/2019 Owner Cmmt\* R1 R2 R1 PE OL1-2G30-2308 PROCESS EQUIPMENT DATA SHEET - 10-X-2306 - WI Class 1 Purpose\*\* Issue Plan 11/03/2019 Revised Plan Issue Actual 28/11/2018 Transmittal no TPSK-LSPA1-T-PE-00383 Return Date 14/01/2019 Owner Cmmt PE OL1-2G30-2309 PROCESS EQUIPMENT DATA SHEET - 10-D-2305 - YE Class 1 Purpose\*\* IFA IFD IFD Α Issue Plan 25/03/2019 Revised Plan Issue Actual 27/09/2018 11/01/2019 04/04/2019 TPSK-LSPA1-T-PE-0010 TPSK-LSPA1-T-PE-00634 Transmittal no Return Date 14/11/2018 11/02/2019 Owner Cmmt\* A3 R1 PE OL1-2G30-2310 PROCESS EQUIPMENT DATA SHEET - 10-D-2310 - SP Class 1 IFR IFD Purpose\*\* Issue Plan 18/02/2019 25/03/2019 Revised Plan Issue Actual 31/10/2018 07/01/2019 Transmittal no TPSK-LSPA1-T-PE-00254 TPSK-LSPA1-T-PE-0059 27/12/2018 Return Date 28/01/2019 Owner Cmmt\* PE OL1-2G30-2311 PROCESS EQUIPMENT DATA SHEET - 10-P-2310 - W Class 1 IFD Purpose\*\* Issue Plan 01/04/2019 Revised Plan Issue Actual 20/12/2018 TPSK-LSPA1-T-PE-00524 Transmittal no. 28/01/2019 Return Date Owner Cmmt\* PE OL1-2G30-2313 PROCESS EQUIPMENT DATA SHEET - 10-X-2312 - SPI Class 1 Purpose\*\* Issue Plan 11/03/2019 Revised Plan 20/12/2018 Issue Actual Transmittal no TPSK-LSPA1-T-PE-00525 Return Date 28/01/2019 Owner Cmmt PE OL1-2G30-2314 PROCESS EQUIPMENT DATA SHEET - 10-F-2310 - WA Class 1 IFR 07/12/2018 02/01/2019 Issue Plan Revised Plan 22/10/2018 Issue Actual 13/12/2018 TPSK-LSPA1-T-PE-00205 Transmittal no. TPSK-LSPA1-T-PE-00493 30/11/2018 Return Date Owner Cmmt\* R1 R1 PE OL1-2G30-2315 PROCESS EQUIPMENT DATA SHEET - 10-X-2310 - SP Class 1 Purpose\*\* IFD Issue Plan 11/03/2019 Revised Plan 20/12/2018 Issue Actual TPSK-LSPA1-T-PE-0052 Return Date 28/01/2019 Owner Cmmt\* PE OL1-2G30-2316 PROCESS EQUIPMENT DATA SHEET - 10-D-2316 - SP Class 1 Purpose\*\* 25/03/2019 Issue Plan Revised Plan 11/01/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-PE-00634 11/02/2019 Owner Cmmt PE OL1-2G30-2319 PROCESS EQUIPMENT DATA SHEET - 10-F-2320 - SPI Class 1 Purpose\*\* IFR IFD Α Issue Plan 07/12/2018 02/01/2019 Revised Plan 31/10/2018 13/12/2018 Issue Actual TPSK-LSPA1-T-PE-00255 Transmittal no. Return Date 10/12/2018 22/01/2019 Owner Cmmt\* R1 R1 PE OL1-2G30-2320 PROCESS EQUIPMENT DATA SHEET - 10-TK-2320 - SI Class 1 Purpose\*\* IFA Α Issue Plan 18/03/2019 Revised Plan Issue Actual 20/09/2018 22/10/2018 Transmittal no. TPSK-LSPA1-T-PE-00068 TPSK-LSPA1-T-PE-00203 Return Date 09/10/2018 30/11/2018 Owner Cmmt\* PE OL1-2G30-2321 PROCESS EQUIPMENT DATA SHEET - 10-P-2320 - SP Class 1 Purpose\*\* IFR IFD Issue Plan 11/03/2019 01/04/2019 Revised Plan 31/10/2018 07/01/2019 Issue Actual

ABBREVIATION DOCUMENT NO. \*Owner Feedback (Comment) \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON R1 = No comments R2 = Comments as noted Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation A1 = App. w/o comments LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification TPSK-LSPA1-T-PE-00252 TPSK-LSPA1-T-PE-00598 Transmittal no. 27/12/2018 28/01/2019 Return Date Owner Cmmt\* PE OL1-2G30-2322 PROCESS EQUIPMENT DATA SHEET - 10-D-2322 - SK Class 1 Purpose\*\* IFA IFD Α Issue Plan 25/03/2019 Revised Plan 25/03/2019 Issue Actual 28/09/2018 TPSK-LSPA1-T-PE-00111 TPSK-LSPA1-T-PE-01142 Transmittal no. Return Date 25/02/2019 Owner Cmmt\* A1 PE OL1-2G30-2323 PROCESS EQUIPMENT DATA SHEET - 10-EJ-2322 - SK Class 1 IFD CAN Purpose\*\* Issue Plan 11/03/2019 Revised Plan Issue Actual 07/01/2019 19/03/2019 Transmittal no TPSK-LSPA1-T-PE-00595 TPSK-LSPA1-T-PE-01098 Return Date 28/01/2019 10/04/2019 Owner Cmmt PE OL1-2G30-2324 Process Equipment Datasheet - 10-TK-2300 - Fresh Class Final Purpose\*\* IFR IFD Issue Plan 18/02/2019 18/03/2019 Revised Plan Issue Actual 13/12/2018 29/01/2019 26/02/2019 TPSK-LSPA1-T-PE-00495 TPSK-LSPA1-T-PE-00760 Transmittal no Return Date 22/01/2019 25/02/2019 15/03/2019 Owner Cmmt\* R2 R2 R1 PE OL1-2G30-2325 Process Equipment Datasheet - 10-P-2300 A-B - 10 Class Final IFR IFD Purpose\*\* Issue Plan 11/03/2019 01/04/2019 Revised Plan Issue Actual 20/12/2018 29/01/2019 Transmittal no TPSK-LSPA1-T-PE-00526 TPSK-LSPA1-T-PE-007 25/02/2019 Return Date 28/01/2019 Owner Cmmt\* PE OL1-2G30-2326 PROCESS EQUIPMENT DATA SHEET - 10-E-2326 - SPI Class 1 IFR IFD Purpose\*\* Issue Plan 18/02/2019 18/03/2019 Revised Plan Issue Actual 28/11/2018 22/01/2019 TPSK-LSPA1-T-PE-00381 TPSK-LSPA1-T-PE-00690 Transmittal no. 14/01/2019 05/03/2019 Return Date Owner Cmmt\* R1 PE OL1-2G30-2327 PROCESS EQUIPMENT DATA SHEET - 10-D-2326 - SP Class 1 Purpose\*\* Issue Plan Revised Plan Issue Actual 25/03/2019 Transmittal no TPSK-LSPA1-T-PE-01152 Return Date 12/04/2019 Owner Cmmt PE OL1-2G30-2330 PROCESS EQUIPMENT DATA SHEET - 10-T-2330 - SPI Class 1 IFA IFA Α 25/02/2019 Issue Plan Revised Plan Issue Actual 24/09/2018 11/10/2018 28/11/2018 TPSK-LSPA1-T-PE-00073 TPSK-LSPA1-T-PE-00160 Transmittal no. PSK-LSPA1-T-PE-00384 12/10/2018 27/12/2018 Return Date Owner Cmmt\* A3 A2 R2 PE OL1-2G30-2331 PROCESS EQUIPMENT DATA SHEET - 10-D-2330 - SP Class 1 Purpose\*\* IFD IFD Issue Plan 25/03/2019 Revised Plan 11/01/2019 11/04/2019 Issue Actual TPSK-LSPA1-T-PE-00634 TPSK-LSPA1-T-PE-013 Transmittal no Return Date 11/02/2019 Owner Cmmt\* PE OL1-2G30-2350 PROCESS EQUIPMENT DATA SHEET - 10-PK-2350 - W Class 1 IFR Purpose\*\* Α 18/02/2019 11/03/2019 Issue Plan Revised Plan 16/10/2018 Issue Actual 11/04/2019 Transmittal no. TPSK-LSPA1-T-PE-00180 TPSK-LSPA1-T-PE-01328 04/02/2019 Owner Cmmt PE OL1-2G30-2389 PROCESS EQUIPMENT DATA SHEET - 10-EJ-2390 - CA Class 1 Purpose\*\* IFD Issue Plan 11/03/2019 Revised Plan 07/01/2019 Issue Actual Transmittal no. Return Date 28/01/2019 Owner Cmmt\* R1 PE OL1-2G30-2390 PROCESS EQUIPMENT DATA SHEET - 10-D-2390 - CA Class 1 Purpose\*\* IFA IFD Α Issue Plan 25/03/2019 Revised Plan Issue Actual 27/09/2018 27/11/2018 Transmittal no. TPSK-LSPA1-T-PE-00102 TPSK-LSPA1-T-PE-00369 14/01/2019 Return Date 14/11/2018 Owner Cmmt\* PE OL1-2G30-2391 PROCESS EQUIPMENT DATA SHEET - 10-P-2390 - CA Class 1 Purpose\*\* IFR IFD Issue Plan 11/03/2019 01/04/2019 Revised Plan 07/12/2018 22/01/2019 Issue Actual

ABBREVIATION DOCUMENT NO. \*Owner Feedback (Comment) \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review R1 = No comments R2 = Comments as noted IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation A1 = App. w/o comments LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification TPSK-LSPA1-T-PE-00444 TPSK-LSPA1-T-PE-00695 Transmittal no. 05/03/2019 Return Date 16/01/2019 Owner Cmmt\* PE OL1-2G30-2392 PROCESS EQUIPMENT DATA SHEET - 10-D-2392 - SP Class 1 Purpose\*\* IFA IFD Α Issue Plan 25/03/2019 Revised Plan 27/11/2018 Issue Actual 27/09/2018 TPSK-LSPA1-T-PE-00102 TPSK-LSPA1-T-PE-00369 Transmittal no. Return Date 14/11/2018 14/01/2019 Owner Cmmt\* A3 R1 PE OL1-2G30-2393 PROCESS EQUIPMENT DATA SHEET - 10-P-2392 - SPI Class 1 Purpose\*\* Issue Plan 11/03/2019 01/04/2019 Revised Plan Issue Actual 31/10/2018 07/01/2019 Transmittal no TPSK-LSPA1-T-PE-00252 TPSK-LSPA1-T-PE-00598 Return Date 27/12/2018 28/01/2019 Owner Cmmt PE OL1-2G30-2394 PROCESS EQUIPMENT DATA SHEET - 10-EJ-2392 - SP Class 1 Purpose\*\* IFD Issue Plan 11/03/2019 Revised Plan Issue Actual 07/01/2019 TPSK-LSPA1-T-PE-0059 Transmittal no Return Date 28/01/2019 Owner Cmmt\* PE OL1-2G30-2405 PROCESS EQUIPMENT DATA SHEET - 10-D-2405 - GA Class 1 IFR IFD Purpose\*\* Issue Plan 18/02/2019 25/03/2019 Revised Plan Issue Actual 14/11/2018 13/12/2018 Transmittal no 27/12/2018 Return Date 10/12/2018 Owner Cmmt\* PE OL1-2G30-2406 PROCESS EQUIPMENT DATA SHEET - 10-E-2405 - GA Class 1 IFR IFD Purpose\*\* Issue Plan 18/02/2019 18/03/2019 Revised Plan Issue Actual 30/10/2018 20/12/2018 TPSK-LSPA1-T-PE-00239 TPSK-LSPA1-T-PE-00523 Transmittal no. 14/11/2018 14/01/2019 Return Date Owner Cmmt\* PE OL1-2G30-2410 PROCESS EQUIPMENT DATA SHEET - 10-D-2410 - CR Class 1 IFD IFR IFD Purpose\*\* Issue Plan 18/02/2019 25/03/2019 Revised Plan 07/12/2018 Issue Actual 18/01/2019 04/03/2019 10/04/2019 Transmittal no TPSK-LSPA1-T-PE-00439 TPSK-LSPA1-T-PE-00678 PSK-LSPA1-T-PE-00980 TPSK-LSPA1-T-PE-01310 Return Date 27/12/2018 29/01/2019 13/03/2019 Owner Cmmt R1 PE OL1-2G30-2411 PROCESS EQUIPMENT DATA SHEET - 10-D-2411 - CR Class 1 IFR IFD IFD 18/02/2019 25/03/2019 Issue Plan Revised Plan 08/01/2019 Issue Actual 20/11/2018 18/03/2019 TPSK-LSPA1-T-PE-00339 TPSK-LSPA1-T-PE-00610 Transmittal no. PSK-LSPA1-T-PE-01089 13/12/2018 Return Date Owner Cmmt\* R2 R1 R1 PE OL1-2G30-2412 PROCESS EQUIPMENT DATA SHEET - 10-E-2412 - HP Class 1 Purpose\*\* IFR IFD Issue Plan 18/02/2019 18/03/2019 Revised Plan 30/10/2018 20/12/2018 Issue Actual TPSK-LSPA1-T-PE-00239 TPSK-LSPA1-T-PE-0052 Transmittal no Return Date 14/11/2018 14/01/2019 Owner Cmmt\* PE OL1-2G30-2413 PROCESS EQUIPMENT DATA SHEET - 10-E-2413 - HP Class 1 IFR Purpose\*\* Α Issue Plan 18/02/2019 18/03/2019 Revised Plan Issue Actual 31/10/2018 29/11/2018 Transmittal no TPSK-LSPA1-T-PE-00250 TPSK-LSPA1-T-PE-00392 20/11/2018 10/12/2018 Owner Cmmt R2 PE OL1-2G30-2415 PROCESS EQUIPMENT DATA SHEET - 10-D-2415 - CG Class 1 Purpose\*\* IFR IFD Α Issue Plan 18/02/2019 25/03/2019 Revised Plan 07/01/2019 20/11/2018 Issue Actual TPSK-LSPA1-T-PE-00339 Transmittal no. Return Date 13/12/2018 22/01/2019 Owner Cmmt\* R2 R2 PE OL1-2G30-2416 PROCESS EQUIPMENT DATA SHEET - 10-P-2415 - CG Class 1 Purpose\*\* IFR Issue Plan 11/03/2019 01/04/2019 Revised Plan Issue Actual 07/11/2018 07/01/2019 Transmittal no. TPSK-LSPA1-T-PE-00285 TPSK-LSPA1-T-PE-00593 Return Date 27/12/2018 22/01/2019 Owner Cmmt\* PE OL1-2G30-2420 PROCESS EQUIPMENT DATA SHEET - 10-D-2420 - CG Class 1 Purpose\*\* IFR IFD IFD Issue Plan 18/02/2019 25/03/2019 Revised Plan 09/11/2018 08/01/2019 18/03/2019 Issue Actual

ABBREVIATION DOCUMENT NO. \*Owner Feedback (Comment) \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON R1 = No comments R2 = Comments as noted Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation A1 = App. w/o comments LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification TPSK-LSPA1-T-PE-00301 TPSK-LSPA1-T-PE-00610 TPSK-LSPA1-T-PE-01089 Transmittal no. 30/11/2018 22/01/2019 02/04/2019 Return Date Owner Cmmt\* PE OL1-2G30-2430 PROCESS EQUIPMENT DATA SHEET - 10-E-2430 - REC Class 1 Purpose\*\* IFR IFD Issue Plan 18/02/2019 18/03/2019 Revised Plan 03/01/2019 22/01/2019 Issue Actual TPSK-LSPA1-T-PE-00574 TPSK-LSPA1-T-PE-00696 Transmittal no. Return Date 22/01/2019 11/02/2019 Owner Cmmt\* R1 R1 PE OL1-2G30-2432 PROCESS EQUIPMENT DATA SHEET - 10-E-2432 - REC Class 1 Purpose\*\* Issue Plan 18/02/2019 18/03/2019 Revised Plan Issue Actual 03/01/2019 22/01/2019 Transmittal no TPSK-LSPA1-T-PE-00574 TPSK-LSPA1-T-PE-00696 Return Date 22/01/2019 11/02/2019 Owner Cmmt PE OL1-2G30-2434 PROCESS EQUIPMENT DATA SHEET - 10-E-2435 - REC Class 1 Purpose\*\* IFR IFD Issue Plan 18/02/2019 18/03/2019 Revised Plan Issue Actual 03/01/2019 22/01/2019 TPSK-LSPA1-T-PE-00574 TPSK-LSPA1-T-PE-006 Transmittal no Return Date 22/01/2019 11/02/2019 Owner Cmmt\* R1 R1 PE OL1-2G30-2435 PROCESS EQUIPMENT DATA SHEET - 10-D-2435 - RE Class 1 IFR IFD Purpose\*\* Issue Plan 18/02/2019 25/03/2019 Revised Plan Issue Actual 20/12/2018 25/01/2019 TPSK-LSPA1-T-PE-00559 TPSK-LSPA1-T-PE-007 Return Date 22/01/2019 11/02/2019 Owner Cmmt\* PE OL1-2G30-2438 PROCESS EQUIPMENT DATA SHEET - 10-D-2440 - HP Class 1 IFR IFD Purpose\*\* Issue Plan 18/02/2019 25/03/2019 Revised Plan Issue Actual 01/11/2018 07/12/2018 TPSK-LSPA1-T-PE-00264 TPSK-LSPA1-T-PE-00430 Transmittal no. 27/11/2018 18/12/2018 Return Date Owner Cmmt\* PE OL1-2G30-2439 PROCESS EQUIPMENT DATA SHEET - 10-E-2440 - HP Class 1 IFR IFD Purpose\*\* Issue Plan 18/02/2019 18/03/2019 Revised Plan Issue Actual 31/10/2018 29/11/2018 Transmittal no TPSK-LSPA1-T-PE-00250 TPSK-LSPA1-T-PE-00392 Return Date 20/11/2018 10/12/2018 Owner Cmmt R1 PE OL1-2G30-2440 PROCESS EQUIPMENT DATA SHEET - 10-T-2440 - HP Class 1 IFD 25/02/2019 Issue Plan Revised Plan Issue Actual 12/10/2018 TPSK-LSPA1-T-PE-00167 Transmittal no. Owner Cmmt\* PE OL1-2G30-2441 PROCESS EQUIPMENT DATA SHEET - 10-E-2441 - HP Class 1 Purpose\*\* IFR IFD Issue Plan 18/02/2019 18/03/2019 Revised Plan 31/10/2018 29/11/2018 Issue Actual TPSK-LSPA1-T-PE-00250 TPSK-LSPA1-T-PE-0039 Return Date 20/11/2018 10/12/2018 Owner Cmmt\* PE OL1-2G30-2442 PROCESS EQUIPMENT DATA SHEET - 10-E-2442 - HP Class 1 IFR Purpose\*\* Α Issue Plan 18/02/2019 18/03/2019 Revised Plan 31/10/2018 Issue Actual 29/11/2018 Transmittal no. TPSK-LSPA1-T-PE-00250 TPSK-LSPA1-T-PE-00392 20/11/2018 10/12/2018 Owner Cmmt PE OL1-2G30-2443 PROCESS EQUIPMENT DATA SHEET - 10-P-2445 - HP Class 1 Purpose\*\* IFR IFD Α Issue Plan 11/03/2019 01/04/2019 Revised Plan 04/12/2018 27/12/2018 Issue Actual Transmittal no. Return Date 17/12/2018 14/01/2019 Owner Cmmt\* R2 R1 PE OL1-2G30-2444 PROCESS EQUIPMENT DATA SHEET - 10-D-2445 - HP Class 1 Purpose\*\* IFR Issue Plan 18/02/2019 25/03/2019 Revised Plan Issue Actual 11/12/2018 27/12/2018 Transmittal no. TPSK-LSPA1-T-PE-00474 TPSK-LSPA1-T-PE-00563 Return Date 21/12/2018 14/01/2019 Owner Cmmt\* PE OL1-2G30-2445 PROCESS EQUIPMENT DATA SHEET - 10-E-2445 - HP Class 1 Purpose\*\* IFR IFD Issue Plan 18/02/2019 18/03/2019 Revised Plan 01/11/2018 07/12/2018 Issue Actual

ABBREVIATION DOCUMENT NO. \*Owner Feedback (Comment) \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON R1 = No comments R2 = Comments as noted Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation A1 = App. w/o comments LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification TPSK-LSPA1-T-PE-00267 TPSK-LSPA1-T-PE-00436 Transmittal no. Return Date 26/11/2018 18/12/2018 Owner Cmmt\* PE OL1-2G30-2446 PROCESS EQUIPMENT DATA SHEET - 10-E-2446 - LP Class 1 Purpose\*\* IFR IFD Issue Plan 18/02/2019 18/03/2019 Revised Plan 31/10/2018 29/11/2018 Issue Actual TPSK-LSPA1-T-PE-00250 TPSK-LSPA1-T-PE-00392 Transmittal no. Return Date 20/11/2018 10/12/2018 Owner Cmmt\* R1 R1 PE OL1-2G30-2450 PROCESS EQUIPMENT DATA SHEET - 10-T-2450 - LP Class 1 Purpose\*\* Issue Plan 25/02/2019 Revised Plan Issue Actual 12/10/2018 Transmittal no TPSK-LSPA1-T-PE-00167 Return Date Owner Cmmt PE OL1-2G30-2451 PROCESS EQUIPMENT DATA SHEET - 10-E-2450 - LP Class 1 Purpose\*\* IFR IFD Issue Plan 18/02/2019 18/03/2019 Revised Plan Issue Actual 31/10/2018 29/11/2018 TPSK-LSPA1-T-PE-0025 PSK-LSPA1-T-PE-0039 Transmittal no Return Date 20/11/2018 10/12/2018 Owner Cmmt\* R1 PE OL1-2G30-2452 PROCESS EQUIPMENT DATA SHEET - 10-D-2450 - LP Class 1 IFR IFD Purpose\*\* Issue Plan 18/02/2019 25/03/2019 Revised Plan Issue Actual 01/11/2018 07/12/2018 Transmittal no TPSK-LSPA1-T-PE-00430 Return Date 27/11/2018 18/12/2018 Owner Cmmt\* PE OL1-2G30-2453 PROCESS EQUIPMENT DATA SHEET - 10-P-2450 - LP Class 1 IFR IFD Purpose\*\* Issue Plan 11/03/2019 01/04/2019 Revised Plan Issue Actual 07/11/2018 07/01/2019 TPSK-LSPA1-T-PE-00285 TPSK-LSPA1-T-PE-00593 Transmittal no. 27/12/2018 22/01/2019 Return Date Owner Cmmt\* PE OL1-2G30-2455 PROCESS EQUIPMENT DATA SHEET - 10-E-2455 - LP Class 1 IFR IFD Purpose\*\* Issue Plan 18/02/2019 18/03/2019 Revised Plan Issue Actual 25/10/2018 20/12/2018 Transmittal no TPSK-LSPA1-T-PE-00228 TPSK-LSPA1-T-PE-00523 Return Date 14/11/2018 14/01/2019 Owner Cmmt PE OL1-2G30-2456 PROCESS EQUIPMENT DATA SHEET - 10-D-2455 - LP Class 1 IFR IFD 18/02/2019 25/03/2019 Issue Plan Revised Plan 11/12/2018 Issue Actual 27/12/2018 TPSK-LSPA1-T-PE-00474 TPSK-LSPA1-T-PE-00563 Transmittal no. 21/12/2018 14/01/2019 Return Date Owner Cmmt\* R1 R1 PE OL1-2G30-2457 PROCESS EQUIPMENT DATA SHEET - 10-P-2455 - LP Class 1 Purpose\*\* IFR IFD Issue Plan 11/03/2019 01/04/2019 Revised Plan 04/12/2018 27/12/2018 Issue Actual TPSK-LSPA1-T-PE-00408 TPSK-LSPA1-T-PE-0056 Return Date 17/12/2018 14/01/2019 Owner Cmmt\* PE OL1-2G30-2460 PROCESS EQUIPMENT DATA SHEET - 10-D-2460 - C2 Class 1 IFR Purpose\*\* Α Issue Plan 18/02/2019 25/03/2019 Revised Plan 10/12/2018 16/01/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-PE-00453 TPSK-LSPA1-T-PE-00660 16/01/2019 29/01/2019 Owner Cmmt R2 PE OL1-2G30-2461 PROCESS EQUIPMENT DATA SHEET - 10-E-2460 - C2 Class 1 Purpose\*\* IFR IFD Α Issue Plan 18/02/2019 18/03/2019 Revised Plan 31/10/2018 29/11/2018 Issue Actual TPSK-LSPA1-T-PE-00250 Transmittal no. Return Date 20/11/2018 10/12/2018 Owner Cmmt\* R1 R1 PE OL1-2G30-2465 PROCESS EQUIPMENT DATA SHEET - 10-E-2465 - C2 Class 1 Purpose\*\* Α Issue Plan Revised Plan Issue Actual 29/11/2018 07/01/2019 Transmittal no. TPSK-LSPA1-T-PE-00391 TPSK-LSPA1-T-PE-00602 Return Date 13/12/2018 22/01/2019 Owner Cmmt\* PE OL1-2G30-2470 PROCESS EQUIPMENT DATA SHEET - 10-R-2470 - C2 Class 1 Purpose\*\* IFR IFD Issue Plan 16/01/2019 06/02/2019 Revised Plan 09/11/2018 08/01/2019 Issue Actual

ABBREVIATION DOCUMENT NO. \*Owner Feedback (Comment) \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON R1 = No comments R2 = Comments as noted Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation A1 = App. w/o comments LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification Transmittal no. TPSK-LSPA1-T-PE-00299 TPSK-LSPA1-T-PE-00609 Return Date 29/11/2018 22/01/2019 Owner Cmmt\* PE OL1-2G30-2471 PROCESS EQUIPMENT DATA SHEET - 10-E-2470 - C2 Class 1 Purpose\*\* IFR IFD Issue Plan 18/02/2019 18/03/2019 Revised Plan 07/01/2019 29/11/2018 Issue Actual TPSK-LSPA1-T-PE-00391 TPSK-LSPA1-T-PE-00602 Transmittal no. Return Date 13/12/2018 22/01/2019 Owner Cmmt\* R2 R1 PE OL1-2G30-2472 PROCESS EQUIPMENT DATA SHEET - 10-E-2472 - C2 Class 1 Purpose\*\* Issue Plan 18/02/2019 18/03/2019 Revised Plan Issue Actual 29/11/2018 07/01/2019 Transmittal no TPSK-LSPA1-T-PE-00391 TPSK-LSPA1-T-PE-00602 Return Date 13/12/2018 22/01/2019 Owner Cmmt PE OL1-2G30-2474 PROCESS EQUIPMENT DATA SHEET - 10-E-2474 - C2 Class 1 Purpose\*\* IFR IFD Issue Plan 18/02/2019 18/03/2019 Revised Plan Issue Actual 29/11/2018 07/01/2019 TPSK-LSPA1-T-PE-00391 TPSK-LSPA1-T-PE-0060 Transmittal no Return Date 13/12/2018 22/01/2019 Owner Cmmt\* R1 PE OL1-2G30-2480 PROCESS EQUIPMENT DATA SHEET - 10-D-2480 - CG Class 1 IFR IFD Purpose\*\* Issue Plan 18/02/2019 25/03/2019 Revised Plan Issue Actual 28/11/2018 11/01/2019 Transmittal no TPSK-LSPA1-T-PE-00386 TPSK-LSPA1-T-PE-0063 Return Date 13/12/2018 31/01/2019 Owner Cmmt\* PE OL1-2G30-2500 PROCESS EQUIPMENT DATA SHEET - 10-E-2500 - PR Class 1 IFA IFD Purpose\*\* Α Issue Plan 18/03/2019 Issue Actual 11/09/2018 04/10/2018 TPSK-LSPA1-T-PE-00039 TPSK-LSPA1-T-PE-00131 Transmittal no. 28/09/2018 Return Date Owner Cmmt\* PE OL1-2G30-2502 PROCESS EQUIPMENT DATA SHEET - 10-E-2502 - DE Class 1 IFA IFD IFD Purpose\*\* Issue Plan 18/03/2019 Revised Plan Issue Actual 10/09/2018 05/11/2018 11/12/2018 Transmittal no TPSK-LSPA1-T-PE-00036 TPSK-LSPA1-T-PE-00272 TPSK-LSPA1-T-PE-00475 Return Date 02/10/2018 26/11/2018 10/01/2019 Owner Cmmt A1 PE OL1-2G30-2503 PROCESS EQUIPMENT DATA SHEET - 10-E-2504 - DE Class 1 IFA IFD Α 18/03/2019 Issue Plan Revised Plan Issue Actual 10/09/2018 05/11/2018 TPSK-LSPA1-T-PE-00036 Transmittal no. TPSK-LSPA1-T-PE-0027 02/10/2018 Return Date 26/11/2018 Owner Cmmt\* A1 A2 PE OL1-2G30-2504 PROCESS EQUIPMENT DATA SHEET - 10-D-2504 - DE Class 1 Purpose\*\* IFR IFD Issue Plan 18/02/2019 25/03/2019 Revised Plan 24/10/2018 09/11/2018 Issue Actual TPSK-LSPA1-T-PE-00217 TPSK-LSPA1-T-PE-0030 Return Date 07/11/2018 26/11/2018 Owner Cmmt\* PE OL1-2G30-2505 PROCESS EQUIPMENT DATA SHEET - 10-E-2506 - DE Class 1 Purpose\*\* Α Issue Plan 18/03/2019 Revised Plan 04/10/2018 Issue Actual 10/09/2018 06/02/2019 Transmittal no. TPSK-LSPA1-T-PE-00036 | TPSK-LSPA1-T-PE-00131 | TPSK-LSPA1-T-PE-00811 Return Date 02/10/2018 25/02/2019 Owner Cmmt PE OL1-2G30-2506 PROCESS EQUIPMENT DATA SHEET - 10-D-2506 - DE Class 1 Purpose\*\* IFR IFD Α Issue Plan 18/02/2019 25/03/2019 Revised Plan 24/10/2018 09/11/2018 Issue Actual TPSK-LSPA1-T-PE-00217 Transmittal no. Return Date 07/11/2018 26/11/2018 Owner Cmmt\* R1 R1 PE OL1-2G30-2508 PROCESS EQUIPMENT DATA SHEET - 10-D-2508 - DE Class 1 Purpose\*\* IFR Issue Plan 18/02/2019 25/03/2019 Revised Plan Issue Actual 24/10/2018 09/11/2018 Transmittal no. TPSK-LSPA1-T-PE-00217 TPSK-LSPA1-T-PE-00303 Return Date 07/11/2018 26/11/2018 Owner Cmmt\* PE OL1-2G30-2510 PROCESS EQUIPMENT DATA SHEET - 10-T-2510 - DE Class 1 Purpose\*\* IFA IFD Issue Plan 25/02/2019 Revised Plan 26/09/2018 09/11/2018 Issue Actual

ABBREVIATION DOCUMENT NO. \*Owner Feedback (Comment) \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON R1 = No comments R2 = Comments as noted Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation A1 = App. w/o comments LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification TPSK-LSPA1-T-PE-00092 TPSK-LSPA1-T-PE-00306 Transmittal no. 24/10/2018 29/11/2018 Return Date Owner Cmmt\* PE OL1-2G30-2511 PROCESS EQUIPMENT DATA SHEET - 10-E-2510 - DE Class 1 Purpose\*\* IFA IFD Α Issue Plan 18/03/2019 Revised Plan 04/10/2018 Issue Actual 10/09/2018 TPSK-LSPA1-T-PE-00036 TPSK-LSPA1-T-PE-00131 Transmittal no. Return Date 02/10/2018 Owner Cmmt\* A1 PE OL1-2G30-2515 PROCESS EQUIPMENT DATA SHEET - 10-E-2515 - DE Class 1 Purpose\*\* Issue Plan 18/02/2019 18/03/2019 Revised Plan Issue Actual 24/10/2018 13/12/2018 Transmittal no TPSK-LSPA1-T-PE-00216 TPSK-LSPA1-T-PE-00492 Return Date 14/11/2018 22/01/2019 Owner Cmmt PE OL1-2G30-2520 PROCESS EQUIPMENT DATA SHEET - 10-T-2520 - RES Class 1 Purpose\*\* IFD Issue Plan 25/02/2019 Revised Plan Issue Actual 04/12/2018 TPSK-LSPA1-T-PE-0040 Transmittal no Return Date 17/12/2018 Owner Cmmt\* PE OL1-2G30-2521 PROCESS EQUIPMENT DATA SHEET - 10-E-2520 - REC Class 1 IFA IFD Purpose\*\* Issue Plan 18/03/2019 Revised Plan Issue Actual 10/09/2018 04/10/2018 TPSK-LSPA1-T-PE-00036 TPSK-LSPA1-T-PE-0013 Return Date 02/10/2018 Owner Cmmt\* PE OL1-2G30-2525 PROCESS EQUIPMENT DATA SHEET - 10-D-2525 - HY Class 1 IFR IFD Purpose\*\* Issue Plan 18/02/2019 25/03/2019 Revised Plan Issue Actual 24/10/2018 07/12/2018 TPSK-LSPA1-T-PE-00218 TPSK-LSPA1-T-PE-00430 Transmittal no. 09/11/2018 18/12/2018 Return Date Owner Cmmt\* PE OL1-2G30-2526 PROCESS EQUIPMENT DATA SHEET - 10-E-2525 - HY Class 1 IFA IFD Purpose\*\* Issue Plan 18/03/2019 Revised Plan 04/10/2018 Issue Actual 10/09/2018 Transmittal no TPSK-LSPA1-T-PE-00036 TPSK-LSPA1-T-PE-00131 Return Date 02/10/2018 Owner Cmmt PE OL1-2G30-2531 PROCESS EQUIPMENT DATA SHEET - 10-E-2530 - DE Class 1 IFA IFD Α 18/03/2019 Issue Plan Revised Plan 04/10/2018 Issue Actual 10/09/2018 TPSK-LSPA1-T-PE-00036 TPSK-LSPA1-T-PE-0013 Transmittal no. 02/10/2018 Return Date Owner Cmmt\* A3 PE OL1-2G30-2540 PROCESS EQUIPMENT DATA SHEET - 10-T-2540 - DE Class 1 Purpose\*\* IFA IFD IFD Issue Plan 25/02/2019 Revised Plan 24/09/2018 09/11/2018 04/12/2018 Issue Actual TPSK-LSPA1-T-PE-00073 TPSK-LSPA1-T-PE-00306 Return Date 24/10/2018 29/11/2018 17/12/2018 Owner Cmmt\* PE OL1-2G30-2541 PROCESS EQUIPMENT DATA SHEET - 10-E-2540 - DE Class 1 IFA Purpose\*\* Α 18/03/2019 Issue Plan Revised Plan 04/10/2018 Issue Actual 10/09/2018 Transmittal no. TPSK-LSPA1-T-PE-00036 TPSK-LSPA1-T-PE-00131 02/10/2018 Owner Cmmt PE OL1-2G30-2545 PROCESS EQUIPMENT DATA SHEET - 10-E-2545 - DEI Class 1 Purpose\*\* IFR IFD Α Issue Plan 18/02/2019 18/03/2019 Revised Plan 24/10/2018 13/12/2018 Issue Actual TPSK-LSPA1-T-PE-00216 Transmittal no. Return Date 14/11/2018 22/01/2019 Owner Cmmt\* R1 R1 PE OL1-2G30-2546 PROCESS EQUIPMENT DATA SHEET - 10-E-2546 - DE Class 1 Purpose\*\* IFR Issue Plan 18/02/2019 18/03/2019 Revised Plan Issue Actual 24/10/2018 13/12/2018 Transmittal no. TPSK-LSPA1-T-PE-00216 TPSK-LSPA1-T-PE-00492 Return Date 14/11/2018 22/01/2019 Owner Cmmt\* PE OL1-2G30-2548 PROCESS EQUIPMENT DATA SHEET - 10-E-2548 - DE Class 1 Purpose\*\* IFR IFD Issue Plan 18/02/2019 18/03/2019 Revised Plan 24/10/2018 10/12/2018 Issue Actual

ABBREVIATION DOCUMENT NO. \*Owner Feedback (Comment) \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON R1 = No comments R2 = Comments as noted Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation A1 = App. w/o comments LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days **Document Name** Classification TPSK-LSPA1-T-PE-00216 TPSK-LSPA1-T-PE-00464 Transmittal no. 14/11/2018 27/12/2018 Return Date Owner Cmmt\* PE OL1-2G30-2550 PROCESS EQUIPMENT DATA SHEET - 10-C-2550 - RE Class 1 Purpose\*\* IFA IFD Α Issue Plan 02/01/2019 Revised Plan 28/09/2018 Issue Actual 29/08/2018 TPSK-LSPA1-T-PE-00031 TPSK-LSPA1-T-PE-00114 Transmittal no. Return Date 28/09/2018 24/10/2018 Owner Cmmt\* A3 R1 PE OL1-2G30-2551 PROCESS EQUIPMENT DATA SHEET - 10-D-2550 - EX Class 1 Purpose\*\* Issue Plan 18/02/2019 25/03/2019 Revised Plan Issue Actual 24/10/2018 07/12/2018 Transmittal no TPSK-LSPA1-T-PE-00218 TPSK-LSPA1-T-PE-00440 Return Date 09/11/2018 22/01/2019 Owner Cmmt PE OL1-2G30-2555 PROCESS EQUIPMENT DATA SHEET - 10-D-2555 - EX Class 1 Purpose\*\* IFR IFD 25/03/2019 Issue Plan 18/02/2019 Revised Plan Issue Actual 24/10/2018 07/12/2018 TPSK-LSPA1-T-PE-00218 TPSK-LSPA1-T-PE-00430 Transmittal no Return Date 09/11/2018 18/12/2018 Owner Cmmt\* PE OL1-2G30-2560 PROCESS EQUIPMENT DATA SHEET - 10-PK-2560 - P Class 1 IFR IFD Purpose\*\* Issue Plan 18/02/2019 11/03/2019 Revised Plan Issue Actual 17/10/2018 20/12/2018 TPSK-LSPA1-T-PE-0053 Return Date 05/11/2018 14/01/2019 Owner Cmmt\* PE OL1-2G30-2570 PROCESS EQUIPMENT DATA SHEET - 10-T-2570 - DE Class 1 IFR IFD IFD Purpose\*\* Issue Plan 21/01/2019 25/02/2019 Revised Plan Issue Actual 17/10/2018 04/12/2018 20/12/2018 TPSK-LSPA1-T-PE-00538 TPSK-LSPA1-T-PE-00191 TPSK-LSPA1-T-PE-00407 Transmittal no. 05/11/2018 17/12/2018 14/01/2019 Return Date Owner Cmmt\* PE OL1-2G30-2571 PROCESS EQUIPMENT DATA SHEET - 10-E-2570 - DE Class 1 IFA IFD Purpose\*\* Issue Plan 18/03/2019 Revised Plan Issue Actual 10/09/2018 05/11/2018 Transmittal no TPSK-LSPA1-T-PE-00036 TPSK-LSPA1-T-PE-00272 Return Date 02/10/2018 26/11/2018 Owner Cmmt PE OL1-2G30-2572 PROCESS EQUIPMENT DATA SHEET - 10-D-2570 - DE Class 1 IFR IFD 18/02/2019 25/03/2019 Issue Plan Revised Plan Issue Actual 25/10/2018 07/12/2018 TPSK-LSPA1-T-PE-00227 TPSK-LSPA1-T-PE-00446 Transmittal no. 05/12/2018 Return Date Owner Cmmt\* R1 R1 PE OL1-2G30-2573 PROCESS EQUIPMENT DATA SHEET - 10-P-2570 - DE Class 1 Purpose\*\* IFR IFD Issue Plan 11/03/2019 01/04/2019 Revised Plan 20/11/2018 13/12/2018 Issue Actual TPSK-LSPA1-T-PE-00340 TPSK-LSPA1-T-PE-00483 Transmittal no Return Date 10/12/2018 27/12/2018 Owner Cmmt\* PE OL1-2G30-2574 PROCESS EQUIPMENT DATA SHEET - 10-D-2575 - DE Class 1 IFR Purpose\*\* Α Issue Plan 18/02/2019 25/03/2019 Revised Plan 11/12/2018 27/12/2018 Issue Actual Transmittal no. TPSK-LSPA1-T-PE-00474 TPSK-LSPA1-T-PE-00563 21/12/2018 14/01/2019 Owner Cmmt PE OL1-2G30-2575 PROCESS EQUIPMENT DATA SHEET - 10-E-2575 - DE Class 1 Purpose\*\* IFA IFD Α Issue Plan 18/03/2019 Revised Plan 05/11/2018 26/09/2018 Issue Actual TPSK-LSPA1-T-PE-00094 Transmittal no. Return Date 12/10/2018 26/11/2018 Owner Cmmt\* A2 A1 PE OL1-2G30-2576 PROCESS EQUIPMENT DATA SHEET - 10-E-2576 - DE Class 1 Purpose\*\* IFA Α Issue Plan 18/03/2019 Revised Plan Issue Actual 26/09/2018 05/11/2018 Transmittal no. TPSK-LSPA1-T-PE-00094 TPSK-LSPA1-T-PE-00272 Return Date 12/10/2018 26/11/2018 Owner Cmmt\* PE OL1-2G30-2577 PROCESS EQUIPMENT DATA SHEET - 10-P-2575 - DE Class 1 Purpose\*\* IFR IFD Issue Plan 11/03/2019 01/04/2019 Revised Plan 04/12/2018 27/12/2018 Issue Actual

ABBREVIATION DOCUMENT NO. \*Owner Feedback (Comment) \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information R1 = No comments R2 = Comments as noted Master Document Index (MDI) IFR = Issue For Review IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation A1 = App. w/o comments LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification Transmittal no. TPSK-LSPA1-T-PE-00408 TPSK-LSPA1-T-PE-00568 17/12/2018 14/01/2019 Return Date Owner Cmmt\* PE OL1-2G30-2580 PROCESS EQUIPMENT DATA SHEET - 10-T-2580 - C2 Class 1 Purpose\*\* IFR IFD Issue Plan 21/01/2019 25/02/2019 Revised Plan 04/12/2018 12/10/2018 Issue Actual TPSK-LSPA1-T-PE-00162 TPSK-LSPA1-T-PE-00407 Transmittal no. Return Date 31/10/2018 17/12/2018 Owner Cmmt\* R2 R1 PE OL1-2G30-2582 PROCESS EQUIPMENT DATA SHEET - 10-E-2582 - C2 Class 1 Purpose\*\* Issue Plan 18/02/2019 18/03/2019 Revised Plan Issue Actual 01/11/2018 13/12/2018 Transmittal no TPSK-LSPA1-T-PE-00265 TPSK-LSPA1-T-PE-00492 Return Date 20/11/2018 22/01/2019 Owner Cmmt PE OL1-2G30-2585 PROCESS EQUIPMENT DATA SHEET - 10-E-2585 - C2 Class 1 Purpose\*\* IFA IFD Α Issue Plan 18/03/2019 Revised Plan Issue Actual 10/09/2018 04/10/2018 04/04/2019 TPSK-LSPA1-T-PE-00036 TPSK-LSPA1-T-PE-00131 TPSK-LSPA1-T-PE-0126 Transmittal no Return Date 02/10/2018 Owner Cmmt\* PE OL1-2G30-2586 PROCESS EQUIPMENT DATA SHEET - 10-P-2586 - ETI Class 1 IFD IFR Purpose\*\* Issue Plan 11/03/2019 01/04/2019 Revised Plan Issue Actual 20/11/2018 13/12/2018 Transmittal no TPSK-LSPA1-T-PE-00340 27/12/2018 Return Date 10/12/2018 Owner Cmmt\* PE OL1-2G30-2587 PROCESS EQUIPMENT DATA SHEET - 10-E-2587 - C2 Class 1 IFA IFD IFD Purpose\*\* Α Issue Plan 18/03/2019 Revised Plan Issue Actual 10/09/2018 04/10/2018 04/04/2019 Transmittal no. 02/10/2018 Return Date Owner Cmmt\* PE OL1-2G30-2591 PROCESS EQUIPMENT DATA SHEET - 10-E-2856 - ETH Class 1 Purpose\*\* Issue Plan 18/02/2019 Revised Plan Issue Actual 24/10/2018 Transmittal no TPSK-LSPA1-T-PE-00216 Return Date 14/11/2018 Owner Cmmt PE OL1-2G30-2600 PROCESS EQUIPMENT DATA SHEET - 10-D-2600 - C3 Class 1 IFR IFD 25/03/2019 18/02/2019 Issue Plan Revised Plan Issue Actual 07/12/2018 10/01/2019 13/03/2019 TPSK-LSPA1-T-PE-00439 TPSK-LSPA1-T-PE-00618 Transmittal no. TPSK-LSPA1-T-PE-01049 27/12/2018 24/01/2019 Return Date Owner Cmmt\* R2 R1 R1 PE OL1-2G30-2610 PROCESS EQUIPMENT DATA SHEET - 10-D-2610 - C3 Class 1 Purpose\*\* IFR IFD Issue Plan 18/02/2019 25/03/2019 Revised Plan 10/01/2019 21/11/2018 Issue Actual TPSK-LSPA1-T-PE-00345 TPSK-LSPA1-T-PE-00618 Return Date 13/12/2018 24/01/2019 Owner Cmmt\* PE OL1-2G30-2620 PROCESS EQUIPMENT DATA SHEET - 10-R-2620 - C3 Class 1 IFR Purpose\*\* Α Issue Plan 16/01/2019 06/02/2019 Revised Plan 03/01/2019 21/02/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-PE-00583 TPSK-LSPA1-T-PE-00910 16/01/2019 19/03/2019 Owner Cmmt R2 PE OL1-2G30-2621 PROCESS EQUIPMENT DATA SHEET - 10-E-2620 - C3 Class 1 Purpose\*\* IFR IFD Α Issue Plan 18/02/2019 18/03/2019 Revised Plan 10/01/2019 01/03/2019 Issue Actual TPSK-LSPA1-T-PE-00615 Transmittal no. Return Date 24/01/2019 13/03/2019 Owner Cmmt\* R2 R1 PE OL1-2G30-2622 PROCESS EQUIPMENT DATA SHEET - 10-D-2620 - C3 Class 1 Purpose\*\* IFR Issue Plan 18/02/2019 25/03/2019 Revised Plan Issue Actual 10/01/2019 11/03/2019 Transmittal no. TPSK-LSPA1-T-PE-00614 TPSK-LSPA1-T-PE-01023 24/01/2019 Return Date 29/03/2019 Owner Cmmt\* PE OL1-2G30-2623 PROCESS EQUIPMENT DATA SHEET - 10-P-2620 - C3 Class 1 Purpose\*\* IFR IFD Issue Plan 11/03/2019 01/04/2019 Revised Plan

Issue Actual

07/01/2019 01/03/2019

ABBREVIATION DOCUMENT NO. \*Owner Feedback (Comment) \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information R1 = No comments R2 = Comments as noted Master Document Index (MDI) IFR = Issue For Review IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation A1 = App. w/o comments LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days **Document Name** Classification Transmittal no. TPSK-LSPA1-T-PE-00587 TPSK-LSPA1-T-PE-00963 31/01/2019 21/03/2019 Return Date Owner Cmmt\* PE OL1-2G30-2624 Process Equipment Datasheet - 10-X-2620 - C3 Hyd Class Final Purpose\*\* IFR IFD Issue Plan 18/02/2019 11/03/2019 Revised Plan 16/01/2019 01/03/2019 Issue Actual TPSK-LSPA1-T-PE-00664 TPSK-LSPA1-T-PE-00968 Transmittal no. Return Date 31/01/2019 13/03/2019 Owner Cmmt\* R1 R1 PE OL1-2G30-2630 PROCESS EQUIPMENT DATA SHEET - 10-T-2630 - SEC Class 1 Purpose\*\* Issue Plan 25/02/2019 Revised Plan Issue Actual 12/10/2018 04/12/2018 Transmittal no TPSK-LSPA1-T-PE-00169 TPSK-LSPA1-T-PE-00407 Return Date 17/12/2018 Owner Cmmt PE OL1-2G30-2631 PROCESS EQUIPMENT DATA SHEET - 10-E-2630 - SEC Class 1 Purpose\*\* IFA IFD Α Issue Plan 18/03/2019 Revised Plan Issue Actual 24/09/2018 05/11/2018 TPSK-LSPA1-T-PE-000 Transmittal no Return Date 12/10/2018 26/11/2018 Owner Cmmt\* PE OL1-2G30-2632 PROCESS EQUIPMENT DATA SHEET - 10-D-2630 - SE Class 1 IFR IFD Purpose\*\* Issue Plan 18/02/2019 25/03/2019 Revised Plan Issue Actual 07/11/2018 11/01/2019 Transmittal no TPSK-LSPA1-T-PE-0063 24/01/2019 Return Date 11/01/2019 Owner Cmmt\* PE OL1-2G30-2633 PROCESS EQUIPMENT DATA SHEET - 10-P-2630 - SEC Class 1 IFR IFD Issue Plan 11/03/2019 01/04/2019 Revised Plan Issue Actual 06/11/2018 12/02/2019 TPSK-LSPA1-T-PE-00277 TPSK-LSPA1-T-PE-00844 Transmittal no. 04/02/2019 25/02/2019 Return Date Owner Cmmt\* PE OL1-2G30-2635 PROCESS EQUIPMENT DATA SHEET - 10-E-2635 - SEC Class 1 IFD IFA IFD Purpose\*\* Issue Plan 18/03/2019 Revised Plan Issue Actual 24/09/2018 05/11/2018 07/12/2018 Transmittal no TPSK-LSPA1-T-PE-00074 TPSK-LSPA1-T-PE-00272 TPSK-I SPA1-T-PF-00438 Return Date 12/10/2018 26/11/2018 27/12/2018 Owner Cmmt A1 PE OL1-2G30-2636 PROCESS EQUIPMENT DATA SHEET - 10-E-2636 - SEC Class 1 IFA IFD Α 18/03/2019 Issue Plan Revised Plan Issue Actual 24/09/2018 05/11/2018 TPSK-LSPA1-T-PE-00074 TPSK-LSPA1-T-PE-0027 Transmittal no. 12/10/2018 Return Date 26/11/2018 Owner Cmmt\* A2 A1 PE OL1-2G30-2640 PROCESS EQUIPMENT DATA SHEET - 10-T-2640 - C3 Class 1 Purpose\*\* IFR IFD Issue Plan 21/01/2019 25/02/2019 Revised Plan 22/10/2018 04/12/2018 Issue Actual TPSK-LSPA1-T-PE-00201 TPSK-LSPA1-T-PE-00407 Return Date 05/11/2018 17/12/2018 Owner Cmmt\* PE OL1-2G30-2644 PROCESS EQUIPMENT DATA SHEET - 10-D-2645 - C3 Class 1 IFR Purpose\*\* Α Issue Plan 18/02/2019 25/03/2019 Revised Plan 01/02/2019 Issue Actual 18/01/2019 26/02/2019 Transmittal no. TPSK-LSPA1-T-PE-00677 | TPSK-LSPA1-T-PE-00796 | TPSK-LSPA1-T-PE-00938 31/01/2019 14/03/2019 Return Date 21/02/2019 Owner Cmmt R2 PE OL1-2G30-2645 PROCESS EQUIPMENT DATA SHEET - 10-E-2645 - C3 Class 1 Purpose\*\* IFA IFD IFD Α Issue Plan 18/03/2019 Revised Plan 05/11/2018 12/09/2018 07/12/2018 Issue Actual TPSK-LSPA1-T-PE-00041 TPSK-LSPA1-T-PE-00272 Transmittal no. Return Date 01/10/2018 26/11/2018 27/11/2018 Owner Cmmt\* A1 A2 A1 PE OL1-2G30-2646 PROCESS EQUIPMENT DATA SHEET - 10-P-2646 - PR Class 1 Purpose\*\* IFR Issue Plan 11/03/2019 01/04/2019 Revised Plan Issue Actual 06/11/2018 12/02/2019 Transmittal no. TPSK-LSPA1-T-PE-00277 TPSK-LSPA1-T-PE-00844 04/02/2019 Return Date 25/02/2019 Owner Cmmt\* PE OL1-2G30-2647 PROCESS EQUIPMENT DATA SHEET - 10-P-2647 - HP Class 1 Purpose\*\* IFR IFD Issue Plan 11/03/2019 01/04/2019 Revised Plan 09/11/2018 14/01/2019 Issue Actual

ABBREVIATION DOCUMENT NO. \*Owner Feedback (Comment) \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information R1 = No comments R2 = Comments as noted Master Document Index (MDI) IFR = Issue For Review IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation A1 = App. w/o comments LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days **Document Name** Classification Transmittal no. TPSK-LSPA1-T-PE-00302 TPSK-LSPA1-T-PE-00649 04/02/2019 Return Date 28/01/2019 Owner Cmmt\* PE OL1-2G30-2660 PROCESS EQUIPMENT DATA SHEET - 10-T-2660 - DE Class 1 Purpose\*\* IFD Issue Plan 25/02/2019 Revised Plan 12/10/2018 Issue Actual TPSK-LSPA1-T-PE-00169 Transmittal no. Return Date Owner Cmmt\* PE OL1-2G30-2661 PROCESS EQUIPMENT DATA SHEET - 10-E-2660 - DE Class 1 IFA Purpose\*\* Α Issue Plan 18/03/2019 Revised Plan Issue Actual 26/09/2018 05/11/2018 Transmittal no TPSK-LSPA1-T-PE-00094 TPSK-LSPA1-T-PE-0027 Return Date 12/10/2018 26/11/2018 Owner Cmmt PE OL1-2G30-2662 PROCESS EQUIPMENT DATA SHEET - 10-D-2660 - DE Class 1 Purpose\*\* IFR IFD 25/03/2019 Issue Plan 18/02/2019 Revised Plan Issue Actual 07/11/2018 16/01/2019 TPSK-LSPA1-T-PE-00287 TPSK-LSPA1-T-PE-006 Transmittal no Return Date 11/01/2019 29/01/2019 Owner Cmmt\* R1 R1 PE OL1-2G30-2663 PROCESS EQUIPMENT DATA SHEET - 10-P-2660 - DE Class 1 IFR IFD IFD Purpose\*\* Issue Plan 11/03/2019 01/04/2019 Revised Plan Issue Actual 20/11/2018 13/12/2018 14/01/2019 Transmittal no TPSK-LSPA1-T-PE-00340 27/12/2018 Return Date 10/12/2018 28/01/2019 Owner Cmmt\* PE OL1-2G30-2664 Process Equipment Datasheet - 10-F-2666 A-B - C5 Class Final IFR IFD Α Issue Plan Issue Actual 20/02/2019 11/03/2019 TPSK-LSPA1-T-PE-0900 TPSK-LSPA1-T-PE-01024 Transmittal no. 26/02/2019 29/03/2019 Return Date Owner Cmmt\* PE OL1-2G30-2665 PROCESS EQUIPMENT DATA SHEET - 10-E-2665 - DE Class 1 IFA IFD Purpose\*\* Issue Plan 18/03/2019 Revised Plan Issue Actual 27/09/2018 05/11/2018 Transmittal no TPSK-LSPA1-T-PE-00101 TPSK-LSPA1-T-PE-00272 Return Date 12/10/2018 26/11/2018 Owner Cmmt PE OL1-2G30-2666 PROCESS EQUIPMENT DATA SHEET - 10-E-2666 - DE Class 1 IFA IFD IFD Α 18/03/2019 Issue Plan Revised Plan 27/11/2018 Issue Actual 28/09/2018 23/01/2019 TPSK-LSPA1-T-PE-00112 Transmittal no. TPSK-LSPA1-T-PE-00370 TPSK-LSPA1-T-PE-0071 11/02/2019 12/10/2018 10/12/2018 Return Date Owner Cmmt\* A3 A1 A2 PE OL1-2G30-2667 PROCESS EQUIPMENT DATA SHEET - 10-D-2666 - C5 Class 1 Purpose\*\* IFR IFD Issue Plan 18/02/2019 25/03/2019 Revised Plan 01/02/2019 20/03/2019 Issue Actual TPSK-LSPA1-T-PE-00781 TPSK-LSPA1-T-PE-01106 Return Date 21/02/2019 10/04/2019 Owner Cmmt\* PE OL1-2G30-2668 PROCESS EQUIPMENT DATA SHEET - 10-P-2666 - C5 Class 1 IFR Purpose\*\* Α 11/03/2019 Issue Plan 01/04/2019 Revised Plan 11/02/2019 11/03/2019 Issue Actual 12/04/2019 Transmittal no. TPSK-LSPA1-T-PE-00834 | TPSK-LSPA1-T-PE-01025 | TPSK-LSPA1-T-PE-01339 25/02/2019 29/03/2019 Owner Cmmt PE OL1-2G30-2669 Process Equipment Datasheet - 10-P-2665 A-B - Del Class Final Purpose\*\* IFR IFD CAN Α 0 Issue Plan 11/03/2019 01/04/2019 Revised Plan 27/11/2018 14/01/2019 19/03/2019 Issue Actual TPSK-LSPA1-T-PE-00371 TPSK-LSPA1-T-PE-01099 Transmittal no. Return Date 13/12/2018 28/01/2019 10/04/2019 Owner Cmmt\* R2 R1 R1 PE OL1-2G30-2700 PROCESS EQUIPMENT DATA SHEET - 10-R-2700 - GH Class 1 Purpose\*\* IFR Issue Plan 16/01/2019 06/02/2019 Revised Plan Issue Actual 16/01/2019 15/03/2019 Transmittal no. TPSK-LSPA1-T-PE-00659 TPSK-LSPA1-T-PE-01081 02/04/2019 Return Date 11/02/2019 Owner Cmmt\* PE OL1-2G30-2701 PROCESS EQUIPMENT DATA SHEET - 10-E-2701 - GH Class 1 Purpose\*\* IFR IFD Issue Plan 18/02/2019 18/03/2019 Revised Plan 23/01/2019 20/03/2019 Issue Actual

ABBREVIATION DOCUMENT NO. \*Owner Feedback (Comment) \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON R1 = No comments R2 = Comments as noted Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation A1 = App. w/o comments LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification TPSK-LSPA1-T-PE-00710 TPSK-LSPA1-T-PE-01107 Transmittal no. 10/04/2019 Return Date 11/02/2019 Owner Cmmt\* PE OL1-2G30-2702 PROCESS EQUIPMENT DATA SHEET - 10-E-2702 - GH Class 1 Purpose\*\* IFR IFD Issue Plan 18/02/2019 18/03/2019 Revised Plan 04/04/2019 20/02/2019 Issue Actual TPSK-LSPA1-T-PE-00899 TPSK-LSPA1-T-PE-01250 Transmittal no. Return Date 19/03/2019 Owner Cmmt\* R2 PE OL1-2G30-2703 PROCESS EQUIPMENT DATA SHEET - 10-E-2705 - GH Class 1 Purpose\*\* Issue Plan 18/02/2019 18/03/2019 Revised Plan Issue Actual 25/01/2019 28/03/2019 Transmittal no TPSK-LSPA1-T-PE-00720 TPSK-LSPA1-T-PE-01187 Return Date 15/02/2019 Owner Cmmt PE OL1-2G30-2704 PROCESS EQUIPMENT DATA SHEET - 10-P-2705 - GH Class 1 Purpose\*\* IFR IFD Issue Plan 11/03/2019 01/04/2019 Revised Plan Issue Actual 11/02/2019 11/03/2019 TPSK-LSPA1-T-PE-00834 TPSK-LSPA1-T-PE-0102 Transmittal no Return Date 25/02/2019 29/03/2019 Owner Cmmt\* R1 R1 PE OL1-2G30-2705 PROCESS EQUIPMENT DATA SHEET - 10-D-2705 - GH Class 1 IFR IFD Purpose\*\* Issue Plan 18/02/2019 25/03/2019 Revised Plan Issue Actual 01/02/2019 28/03/2019 Transmittal no TPSK-LSPA1-T-PE-00781 TPSK-LSPA1-T-PE-01188 Return Date 21/02/2019 Owner Cmmt\* PE OL1-2G30-2706 PROCESS EQUIPMENT DATA SHEET - 10-D-2706 - GH Class 1 IFR IFD Purpose\*\* Issue Plan 18/02/2019 25/03/2019 Revised Plan Issue Actual 01/02/2019 28/03/2019 TPSK-LSPA1-T-PE-00781 TPSK-LSPA1-T-PE-01188 Transmittal no. 21/02/2019 Return Date Owner Cmmt\* PE OL1-2G30-2707 PROCESS EQUIPMENT DATA SHEET - 10-E-2706 - GH Class 1 IFR IFD Purpose\*\* Issue Plan 18/02/2019 18/03/2019 Revised Plan 25/01/2019 Issue Actual 28/03/2019 Transmittal no TPSK-LSPA1-T-PE-00720 TPSK-LSPA1-T-PE-01187 Return Date 15/02/2019 Owner Cmmt PE OL1-2G30-2710 PROCESS EQUIPMENT DATA SHEET - 10-T-2710 - DE Class 1 IFR IFD 25/02/2019 21/01/2019 Issue Plan Revised Plan 22/01/2019 15/03/2019 Issue Actual TPSK-LSPA1-T-PE-00688 TPSK-LSPA1-T-PE-01082 Transmittal no. 15/02/2019 Return Date Owner Cmmt\* R2 R1 PE OL1-2G30-2711 PROCESS EQUIPMENT DATA SHEET - 10-E-2710 -DEF Class 1 Purpose\*\* IFR IFD Issue Plan 18/02/2019 18/03/2019 Revised Plan 25/01/2019 20/03/2019 Issue Actual TPSK-LSPA1-T-PE-00720 TPSK-LSPA1-T-PE-0110 Return Date 15/02/2019 10/04/2019 Owner Cmmt\* PE OL1-2G30-2712 PROCESS EQUIPMENT DATA SHEET - 10-D-2710 - DE Class 1 IFR Purpose\*\* Α Issue Plan 18/02/2019 25/03/2019 Revised Plan 01/02/2019 20/03/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-PE-00781 TPSK-LSPA1-T-PE-01106 21/02/2019 10/04/2019 Owner Cmmt PE OL1-2G30-2713 PROCESS EQUIPMENT DATA SHEET - 10-P-2710 - DE Class 1 Purpose\*\* IFR IFD Α Issue Plan 11/03/2019 01/04/2019 Revised Plan 11/02/2019 11/03/2019 Issue Actual TPSK-LSPA1-T-PE-00834 Transmittal no. Return Date 25/02/2019 29/03/2019 Owner Cmmt\* R1 R1 PE OL1-2G30-2714 PROCESS EQUIPMENT DATA SHEET - 10-P-2714 - C5 Class 1 Purpose\*\* IFR Issue Plan 11/03/2019 01/04/2019 Revised Plan Issue Actual 12/02/2019 15/03/2019 Transmittal no. TPSK-LSPA1-T-PE-00841 TPSK-LSPA1-T-PE-01083 02/04/2019 Return Date 25/02/2019 Owner Cmmt\* PE OL1-2G30-2715 PROCESS EQUIPMENT DATA SHEET - 10-E-2715 - DE Class 1 Purpose\*\* IFR IFD Issue Plan 18/02/2019 18/03/2019 Revised Plan 25/01/2019 20/03/2019 Issue Actual

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification TPSK-LSPA1-T-PE-00724 TPSK-LSPA1-T-PE-01107 Transmittal no. 11/02/2019 10/04/2019 Return Date Owner Cmmt\* PE OL1-2G30-2716 PROCESS EQUIPMENT DATA SHEET - 10-E-2714 - C5 Class 1 Purpose\*\* IFR IFD Issue Plan 18/02/2019 18/03/2019 Revised Plan 25/01/2019 28/03/2019 Issue Actual TPSK-LSPA1-T-PE-00720 TPSK-LSPA1-T-PE-01187 Transmittal no. Return Date 15/02/2019 Owner Cmmt\* R2 PE OL1-2G30-2717 PROCESS EQUIPMENT DATA SHEET - 10-PK-2720 - R Class 1 Purpose\*\* Issue Plan 18/02/2019 Revised Plan Issue Actual 20/02/2019 Transmittal no TPSK-LSPA1-T-PE-00902 Return Date 19/03/2019 Owner Cmmt PE OL1-2G30-2718 PROCESS EQUIPMENT DATA SHEET - 10-D-2720 - RE Class 1 Purpose\*\* IFR Issue Plan 18/02/2019 25/03/2019 Revised Plan Issue Actual 01/02/2019 12/04/2019 TPSK-LSPA1-T-PE-00781 TPSK-LSPA1-T-PE-01342 Transmittal no Return Date 21/02/2019 Owner Cmmt\* PE OL1-2G30-2719 PROCESS EQUIPMENT DATA SHEET - 10-P-2720 - REI Class 1 IFR Purpose\*\* Issue Plan 11/03/2019 Revised Plan Issue Actual 12/02/2019 Transmittal no TPSK-LSPA1-T-PE-00841 Return Date 25/02/2019 Owner Cmmt\* PE OL1-2G30-2720 PROCESS EQUIPMENT DATA SHEET - 10-T-2720 - REF Class 1 IFR IFD Purpose\*\* Issue Plan 21/01/2019 25/02/2019 Revised Plan Issue Actual 22/01/2019 12/04/2019 TPSK-LSPA1-T-PE-00669 TPSK-LSPA1-T-PE-01340 Transmittal no. 15/02/2019 Return Date Owner Cmmt\* PE OL1-2G30-2721 PROCESS EQUIPMENT DATA SHEET - 10-E-2720 - REI Class 1 IFR IFD Purpose\*\* Issue Plan 18/02/2019 18/03/2019 Revised Plan Issue Actual 11/02/2019 12/04/2019 Transmittal no TPSK-LSPA1-T-PE-00835 TPSK-LSPA1-T-PE-01341 Return Date 25/02/2019 Owner Cmmt PE OL1-2G30-2723 PROCESS EQUIPMENT DATA SHEET - 10-E-2724 - WA Class 1 IFR Rev. Issue Plan 18/02/2019 Revised Plan Issue Actual 11/02/2019 TPSK-LSPA1-T-PE-00835 Transmittal no. Owner Cmmt\* R2 PE OL1-2G30-2724 PROCESS EQUIPMENT DATA SHEET - 10-D-2724 - W Class 1 Purpose\*\* IFR Issue Plan 18/02/2019 Revised Plan 01/02/2019 Issue Actual TPSK-LSPA1-T-PE-00781 Return Date 21/02/2019 Owner Cmmt\* PE OL1-2G30-2725 PROCESS EQUIPMENT DATA SHEET - 10-E-2725 - REI Class 1 IFR Purpose\*\* Α 18/02/2019 Issue Plan Revised Plan 11/02/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-PE-00835 25/02/2019 Owner Cmmt PE OL1-2G30-2726 PROCESS EQUIPMENT DATA SHEET - 10-P-2726 - PY Class 1 Purpose\*\* IFR Issue Plan 11/03/2019 Revised Plan 15/02/2019 Issue Actual Transmittal no. Return Date 26/02/2019 Owner Cmmt\* R1 PE OL1-2G30-2727 PROCESS EQUIPMENT DATA SHEET - 10-E-2726 - PY Class 1 Purpose\*\* IFR Issue Plan 18/02/2019 Revised Plan Issue Actual 11/02/2019 Transmittal no. TPSK-LSPA1-T-PE-00835 25/02/2019 Return Date Owner Cmmt\* PE OL1-2G30-2728 PROCESS EQUIPMENT DATA SHEET - 10-P-2724 - RE Class 1 Purpose\*\* IFR Issue Plan 11/03/2019 Revised Plan 12/02/2019 Issue Actual

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*Owner Feedback (Comment) \*\*\*Classification LONG SON R1 = No comments R2 = Comments as noted Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification TPSK-LSPA1-T-PE-00841 Transmittal no. Return Date 25/02/2019 Owner Cmmt\* PE OL1-2G30-2729 Process Equipment Datasheet - 10-P-2721 A-B - Wa Class Final Purpose\*\* IFR Α Issue Plan Revised Plan Issue Actual 15/02/2019 TPSK-LSPA1-T-PE-00873 Transmittal no. Return Date 26/02/2019 Owner Cmmt\* R1 PE OL1-2G30-2730 PROCESS EQUIPMENT DATA SHEET - 10-E-2730 - HY Class 1 Purpose\*\* Issue Plan 18/02/2019 Revised Plan Issue Actual 15/03/2019 Transmittal no TPSK-LSPA1-T-PE-01070 Return Date 02/04/2019 Owner Cmmt PE OL1-2G30-2735 PROCESS EQUIPMENT DATA SHEET - 10-D-2735 - RE Class 1 Purpose\*\* IFR Issue Plan 18/02/2019 25/03/2019 Revised Plan Issue Actual 13/03/2019 08/04/2019 TPSK-LSPA1-T-PE-01049 TPSK-LSPA1-T-PE-0127 Transmittal no Return Date 02/04/2019 Owner Cmmt\* R1 PE OL1-2G30-2750 PROCESS EQUIPMENT DATA SHEET - 10-D-2750 - C4 Class 1 IFR IFD Purpose\*\* Issue Plan 18/02/2019 25/03/2019 Revised Plan Issue Actual 01/02/2019 11/03/2019 Transmittal no TPSK-LSPA1-T-PE-00794 TPSK-LSPA1-T-PE-010 29/03/2019 Return Date 21/02/2019 Owner Cmmt\* PE OL1-2G30-2751 PROCESS EQUIPMENT DATA SHEET - 10-P-2750 - C4 Class 1 IFR IFD Purpose\*\* Issue Plan 11/03/2019 01/04/2019 Revised Plan Issue Actual 01/02/2019 01/03/2019 TPSK-LSPA1-T-PE-00788 TPSK-LSPA1-T-PE-00963 Transmittal no. 15/02/2019 21/03/2019 Return Date Owner Cmmt\* PE OL1-2G30-2755 PROCESS EQUIPMENT DATA SHEET - 10-E-2755 - C4 Class 1 IFD Purpose\*\* Issue Plan 18/02/2019 18/03/2019 Revised Plan 25/02/2019 Issue Actual 25/03/2019 Transmittal no TPSK-LSPA1-T-PE-00924 TPSK-LSPA1-T-PE-01148 Return Date 19/03/2019 Owner Cmmt PE OL1-2G30-2760 PROCESS EQUIPMENT DATA SHEET - 10-R-2760 - C4 Class 1 IFR IFD 06/02/2019 16/01/2019 Issue Plan Revised Plan 16/01/2019 11/03/2019 Issue Actual TPSK-LSPA1-T-PE-00659 TPSK-LSPA1-T-PE-01030 Transmittal no. 11/02/2019 Owner Cmmt\* R2 R1 PE OL1-2G30-2762 PROCESS EQUIPMENT DATA SHEET - 10-D-2760 - C4 Class 1 Purpose\*\* IFR IFD Issue Plan 18/02/2019 25/03/2019 Revised Plan 01/02/2019 11/03/2019 Issue Actual TPSK-LSPA1-T-PE-00794 TPSK-LSPA1-T-PE-0102 Return Date 21/02/2019 29/03/2019 Owner Cmmt\* PE OL1-2G30-2763 PROCESS EQUIPMENT DATA SHEET - 10-E-2760 - C4 Class 1 IFR Purpose\*\* Α Issue Plan 18/02/2019 18/03/2019 Revised Plan 01/02/2019 11/03/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-PE-00793 TPSK-LSPA1-T-PE-01027 21/02/2019 29/03/2019 Owner Cmmt PE OL1-2G30-2764 PROCESS EQUIPMENT DATA SHEET - 10-P-2760 - C4 Class 1 Purpose\*\* IFR IFD Α Issue Plan 11/03/2019 01/04/2019 Revised Plan 01/02/2019 01/03/2019 Issue Actual TPSK-LSPA1-T-PE-00788 Transmittal no. Return Date 15/02/2019 21/03/2019 Owner Cmmt\* R2 R1 PE OL1-2G30-2765 PROCESS EQUIPMENT DATA SHEET - 10-E-2765 - C4 Class 1 Purpose\*\* IFR Issue Plan 18/02/2019 18/03/2019 Revised Plan Issue Actual 01/02/2019 11/03/2019 Transmittal no. TPSK-LSPA1-T-PE-00793 TPSK-LSPA1-T-PE-01027 Return Date 21/02/2019 29/03/2019 Owner Cmmt\* PE OL1-2G30-2767 Process Equipment Datasheet - 10-D-2765 - C4 - C5 Class Final Purpose\*\* IFR IFD Issue Plan Revised Plan 20/02/2019 25/03/2019 Issue Actual

ABBREVIATION DOCUMENT NO. \*Owner Feedback (Comment) \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON R1 = No comments R2 = Comments as noted Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation A1 = App. w/o comments LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification TPSK-LSPA1-T-PE--00901 TPSK-LSPA1-T-PE-01145 Transmittal no. Return Date 19/03/2019 Owner Cmmt\* PE OL1-2G30-2790 PROCESS EQUIPMENT DATA SHEET - 10-D-2790 - LIQ Class 1 Purpose\*\* IFR IFD Issue Plan 18/02/2019 25/03/2019 Revised Plan 13/12/2018 25/01/2019 Issue Actual TPSK-LSPA1-T-PE-00482 TPSK-LSPA1-T-PE-00721 Transmittal no. Return Date 22/01/2019 11/02/2019 Owner Cmmt\* R1 R1 PE OL1-2G30-2791 PROCESS EQUIPMENT DATA SHEET - 10-P-2790 - LIG Class 1 Purpose\*\* Issue Plan 11/03/2019 01/04/2019 Revised Plan Issue Actual 13/12/2018 25/01/2019 Transmittal no TPSK-LSPA1-T-PE-00496 TPSK-LSPA1-T-PE-00722 Return Date 22/01/2019 11/02/2019 Owner Cmmt PE OL1-2G30-2792 PROCESS EQUIPMENT DATA SHEET - 10-EJ-2790 - LI Class 1 Purpose\*\* IFD Issue Plan 11/03/2019 Revised Plan Issue Actual 07/01/2019 TPSK-LSPA1-T-PE-0059 Transmittal no Return Date 22/01/2019 Owner Cmmt\* PE OL1-2G30-2800 PROCESS EQUIPMENT DATA SHEET - 10-C-2800 - PR Class 1 IFA IFD Purpose\*\* Issue Plan 02/01/2019 Revised Plan Issue Actual 22/08/2018 17/09/2018 TPSK-LSPA1-T-PE-00025 TPSK-LSPA1-T-PE-000 Return Date 11/09/2018 Owner Cmmt\* PE OL1-2G30-2801 PROCESS EQUIPMENT DATA SHEET - 10-P-2805 - PR Class 1 IFR IFD Purpose\*\* Issue Plan 11/03/2019 01/04/2019 Revised Plan Issue Actual 06/11/2018 14/01/2019 TPSK-LSPA1-T-PE-00277 TPSK-LSPA1-T-PE-00649 Transmittal no. 04/02/2019 28/01/2019 Return Date Owner Cmmt\* PE OL1-2G30-2805 PROCESS EQUIPMENT DATA SHEET - 10-D-2805 - C3 Class 1 IFR IFD Purpose\*\* Issue Plan 18/02/2019 25/03/2019 Revised Plan Issue Actual 24/10/2018 21/11/2018 Transmittal no TPSK-LSPA1-T-PE-00218 TPSK-LSPA1-T-PE-00348 Return Date 09/11/2018 10/12/2018 Owner Cmmt PE OL1-2G30-2806 PROCESS EQUIPMENT DATA SHEET - 10-E-2805 - C3 Class 1 IFA IFD Α 18/03/2019 Issue Plan Revised Plan Issue Actual 28/09/2018 05/11/2018 TPSK-LSPA1-T-PE-00113 TPSK-LSPA1-T-PE-00272 Transmittal no. 12/10/2018 Return Date 26/11/2018 Owner Cmmt\* A3 A1 PE OL1-2G30-2807 PROCESS EQUIPMENT DATA SHEET - 10-E-2807 - C3 Class 1 Purpose\*\* IFA IFD Issue Plan 18/03/2019 Revised Plan 28/09/2018 05/11/2018 Issue Actual TPSK-LSPA1-T-PE-00113 TPSK-LSPA1-T-PE-0027 Return Date 12/10/2018 26/11/2018 Owner Cmmt\* PE OL1-2G30-2809 PROCESS EQUIPMENT DATA SHEET - 10-E-2809 - C3 Class 1 Purpose\*\* Α Issue Plan 18/03/2019 Revised Plan Issue Actual 28/09/2018 05/11/2018 Transmittal no. TPSK-LSPA1-T-PE-00113 TPSK-LSPA1-T-PE-00273 12/10/2018 26/11/2018 Owner Cmmt PE OL1-2G30-2810 PROCESS EQUIPMENT DATA SHEET - 10-D-2810 - C3 Class 1 Purpose\*\* IFR IFD Α Issue Plan 18/02/2019 25/03/2019 Revised Plan 09/10/2018 21/11/2018 Issue Actual TPSK-LSPA1-T-PE-00144 Transmittal no. Return Date 05/11/2018 10/12/2018 Owner Cmmt\* R2 R1 PE OL1-2G30-2815 PROCESS EQUIPMENT DATA SHEET - 10-D-2815 - C3 Class 1 Purpose\*\* IFR Issue Plan 18/02/2019 25/03/2019 Revised Plan Issue Actual 07/12/2018 11/01/2019 Transmittal no. TPSK-LSPA1-T-PE-00439 TPSK-LSPA1-T-PE-00633 Return Date 27/12/2018 24/01/2019 Owner Cmmt\* PE OL1-2G30-2816 PROCESS EQUIPMENT DATA SHEET - 10-P-2815 - PR Class 1 Purpose\*\* IFR IFD IFD Issue Plan 11/03/2019 01/04/2019 Revised Plan 20/11/2018 13/12/2018 14/01/2019 Issue Actual

ABBREVIATION DOCUMENT NO. \*Owner Feedback (Comment) \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON R1 = No comments R2 = Comments as noted Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation A1 = App. w/o comments LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification Transmittal no. TPSK-LSPA1-T-PE-00340 TPSK-LSPA1-T-PE-00481 TPSK-LSPA1-T-PE-00648 10/12/2018 27/12/2018 Return Date 28/01/2019 Owner Cmmt\* PE OL1-2G30-2820 PROCESS EQUIPMENT DATA SHEET - 10-D-2820 - C3 Class 1 Purpose\*\* IFR IFD Issue Plan 18/02/2019 25/03/2019 Revised Plan 09/10/2018 21/11/2018 Issue Actual TPSK-LSPA1-T-PE-00144 TPSK-LSPA1-T-PE-00349 Transmittal no. Return Date 05/11/2018 10/12/2018 Owner Cmmt\* R2 R1 PE OL1-2G30-2830 PROCESS EQUIPMENT DATA SHEET - 10-D-2830 - C3 Class 1 Purpose\*\* Issue Plan 18/02/2019 25/03/2019 Revised Plan Issue Actual 09/10/2018 21/11/2018 Transmittal no TPSK-LSPA1-T-PE-00144 TPSK-LSPA1-T-PE-00349 Return Date 05/11/2018 10/12/2018 Owner Cmmt PE OL1-2G30-2840 PROCESS EQUIPMENT DATA SHEET - 10-D-2840 - C3 Class 1 Purpose\*\* IFR IFD 25/03/2019 Issue Plan 18/02/2019 Revised Plan Issue Actual 09/10/2018 21/11/2018 TPSK-LSPA1-T-PE-00144 TPSK-LSPA1-T-PE-0034 Transmittal no Return Date 05/11/2018 10/12/2018 Owner Cmmt\* R1 PE OL1-2G30-2850 PROCESS EQUIPMENT DATA SHEET - 10-C-2850 - ETI Class 1 IFA IFD Purpose\*\* Issue Plan 02/01/2019 Revised Plan Issue Actual 22/08/2018 17/09/2018 TPSK-LSPA1-T-PE-00025 TPSK-LSPA1-T-PE-0005 Return Date 11/09/2018 Owner Cmmt\* PE OL1-2G30-2852 PROCESS EQUIPMENT DATA SHEET - 10-E-2852 - C2 Class 1 IFA IFD Purpose\*\* Α Issue Plan 18/03/2019 Issue Actual 28/09/2018 05/11/2018 TPSK-LSPA1-T-PE-00113 TPSK-LSPA1-T-PE-00272 Transmittal no. 12/10/2018 26/11/2018 Return Date Owner Cmmt\* PE OL1-2G30-2853 PROCESS EQUIPMENT DATA SHEET - 10-E-2852 - C2 Class 1 IFA IFD Purpose\*\* Issue Plan 18/03/2019 Revised Plan Issue Actual 28/09/2018 05/11/2018 Transmittal no TPSK-LSPA1-T-PE-00113 TPSK-LSPA1-T-PE-00272 Return Date 12/10/2018 26/11/2018 Owner Cmmt PE OL1-2G30-2854 PROCESS EQUIPMENT DATA SHEET - 10-D-2855 - C2 Class 1 IFR IFD 18/02/2019 25/03/2019 Issue Plan Revised Plan 24/10/2018 Issue Actual 10/01/2019 TPSK-LSPA1-T-PE-00218 TPSK-LSPA1-T-PE-00621 Transmittal no. 24/01/2019 Return Date 09/11/2018 Owner Cmmt\* R1 R1 PE OL1-2G30-2855 PROCESS EQUIPMENT DATA SHEET - 10-P-2855 - ETI Class 1 Purpose\*\* IFR IFD Issue Plan 11/03/2019 01/04/2019 Revised Plan 28/11/2018 14/01/2019 Issue Actual TPSK-LSPA1-T-PE-00379 TPSK-LSPA1-T-PE-00648 Return Date 13/12/2018 28/01/2019 Owner Cmmt\* PE OL1-2G30-2856 PROCESS EQUIPMENT DATA SHEET - 10-E-2855 - C2 Class 1 Purpose\*\* Α Issue Plan 18/03/2019 Revised Plan 05/11/2018 Issue Actual 11/09/2018 Transmittal no. TPSK-LSPA1-T-PE-00039 TPSK-LSPA1-T-PE-00272 28/09/2018 26/11/2018 Owner Cmmt A2 PE OL1-2G30-2857 PROCESS EQUIPMENT DATA SHEET - 10-E-2857 - HP Class 1 Purpose\*\* IFA IFD Α Issue Plan 18/03/2019 Revised Plan 05/11/2018 12/09/2018 Issue Actual TPSK-LSPA1-T-PE-00041 Transmittal no. Return Date 01/10/2018 26/11/2018 Owner Cmmt\* A1 A1 PE OL1-2G30-2858 PROCESS EQUIPMENT DATA SHEET - 10-E-2858 - HP Class 1 Purpose\*\* IFR Issue Plan 18/02/2019 18/03/2019 Revised Plan Issue Actual 24/10/2018 13/12/2018 Transmittal no. TPSK-LSPA1-T-PE-00223 TPSK-LSPA1-T-PE-00492 Return Date 14/11/2018 22/01/2019 Owner Cmmt\* PE OL1-2G30-2859 Process Equipment Datasheet - 10-E-2856 - Ethyler Class Final Purpose\*\* IFD IFD Issue Plan Revised Plan 13/12/2018 23/01/2019 Issue Actual

ABBREVIATION DOCUMENT NO. \*Owner Feedback (Comment) \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review R1 = No comments R2 = Comments as noted IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation A1 = App. w/o comments LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days **Document Name** Classification Transmittal no. TPSK-LSPA1-T-PE-00492 TPSK-LSPA1-T-PE-00711 22/01/2019 Return Date 11/02/2019 Owner Cmmt\* PE OL1-2G30-2860 PROCESS EQUIPMENT DATA SHEET - 10-D-2860 - C2 Class 1 Purpose\*\* IFR IFD Issue Plan 18/02/2019 25/03/2019 Revised Plan 23/10/2018 12/02/2019 Issue Actual TPSK-LSPA1-T-PE-00208 TPSK-LSPA1-T-PE-00845 Transmittal no. Return Date 04/02/2019 25/02/2019 Owner Cmmt\* R1 R1 PE OL1-2G30-2865 PROCESS EQUIPMENT DATA SHEET - 10-D-2865 - C2 Class 1 Purpose\*\* Issue Plan 18/02/2019 25/03/2019 Revised Plan Issue Actual 07/12/2018 11/01/2019 Transmittal no TPSK-LSPA1-T-PE-00445 TPSK-LSPA1-T-PE-00633 Return Date 10/01/2019 24/01/2019 Owner Cmmt PE OL1-2G30-2870 PROCESS EQUIPMENT DATA SHEET - 10-D-2870 - C2 Class 1 Purpose\*\* IFR IFD 25/03/2019 Issue Plan 18/02/2019 Revised Plan Issue Actual 24/10/2018 21/11/2018 TPSK-LSPA1-T-PE-00218 TPSK-LSPA1-T-PE-0034 Transmittal no Return Date 09/11/2018 10/12/2018 Owner Cmmt\* R1 PE OL1-2G30-2880 PROCESS EQUIPMENT DATA SHEET - 10-D-2880 - C2 Class 1 IFR IFD Purpose\*\* Issue Plan 18/02/2019 25/03/2019 Revised Plan Issue Actual 23/10/2018 12/02/2019 TPSK-LSPA1-T-PE-00208 TPSK-LSPA1-T-PE-0084 25/02/2019 Return Date 04/02/2019 Owner Cmmt\* PE OL1-2G30-2882 PROCESS EQUIPMENT DATA SHEET - 10-E-2882 - LP Class 1 IFA IFD Purpose\*\* Α Issue Plan 18/03/2019 Issue Actual 10/09/2018 04/10/2018 TPSK-LSPA1-T-PE-00036 TPSK-LSPA1-T-PE-00131 Transmittal no. 02/10/2018 Return Date Owner Cmmt\* PE OL1-2G30-2884 PROCESS EQUIPMENT DATA SHEET - 10-E-2884 - LP Class 1 IFA IFD Purpose\*\* Issue Plan 18/03/2019 Revised Plan 04/10/2018 Issue Actual 10/09/2018 Transmittal no TPSK-LSPA1-T-PE-00036 TPSK-LSPA1-T-PE-00131 Return Date 02/10/2018 Owner Cmmt PE OL1-2G30-2900 PROCESS EQUIPMENT DATA SHEET - 10-PK-2900 - P Class 1 IFR IFD IFD 13/12/2018 10/01/2019 Issue Plan Revised Plan Issue Actual 20/12/2018 31/01/2019 20/03/2019 TPSK-LSPA1-T-PE-00532 TPSK-LSPA1-T-PE-01103 Transmittal no. TPSK-LSPA1-T-PE-00780 28/01/2019 Return Date Owner Cmmt\* R1 R2 R1 PE OL1-2G30-2902 PROCESS EQUIPMENT DATA SHEET - 10-PK-2902 - E Class 1 Purpose\*\* IFR IFD IFD Issue Plan 13/12/2018 10/01/2019 Revised Plan 20/03/2019 20/12/2018 25/01/2019 Issue Actual TPSK-LSPA1-T-PE-00533 TPSK-LSPA1-T-PE-00726 TPSK-LSPA1-T-PE-01103 Transmittal no Return Date 22/01/2019 05/03/2019 10/04/2019 Owner Cmmt\* PE OL1-2G30-2904 PROCESS EQUIPMENT DATA SHEET - 10-PK-2904 - W Class 1 IFR Purpose\*\* Α Issue Plan 13/12/2018 10/01/2019 Revised Plan 25/01/2019 Issue Actual 20/12/2018 20/03/2019 Transmittal no TPSK-LSPA1-T-PE-00533 | TPSK-LSPA1-T-PE-00726 | TPSK-LSPA1-T-PE-01103 22/01/2019 05/03/2019 10/04/2019 Return Date Owner Cmmt PE OL1-2G30-2906 PROCESS EQUIPMENT DATA SHEET - 10-PK-2906 - D Class 1 Purpose\*\* IFR IFD IFD Α С Issue Plan 13/12/2018 10/01/2019 Revised Plan 25/01/2019 20/12/2018 20/03/2019 Issue Actual TPSK-LSPA1-T-PE-00533 TPSK-LSPA1-T-PE-01103 Transmittal no. Return Date 22/01/2019 05/03/2019 10/04/2019 Owner Cmmt\* R1 R1 R1 PE OL1-2G30-2910 PROCESS EQUIPMENT DATA SHEET - 10-TK-2910 - W Class 1 Purpose\*\* IFR Issue Plan 18/02/2019 18/03/2019 Revised Plan Issue Actual 27/12/2018 29/01/2019 Transmittal no. TPSK-LSPA1-T-PE-00561 TPSK-LSPA1-T-PE-00760 Return Date 28/01/2019 25/02/2019 Owner Cmmt\* PE OL1-2G30-2911 PROCESS EQUIPMENT DATA SHEET - 10-P-2910 - W/ Class 1 Purpose\*\* IFR IFD Issue Plan 11/03/2019 01/04/2019 Revised Plan 10/01/2019 26/02/2019 Issue Actual

ABBREVIATION DOCUMENT NO. \*Owner Feedback (Comment) \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON R1 = No comments R2 = Comments as noted Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation A1 = App. w/o comments LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification Transmittal no. TPSK-LSPA1-T-PE-00613 TPSK-LSPA1-T-PE-00939 04/02/2019 21/03/2019 Return Date Owner Cmmt\* PE OL1-2G30-2912 PROCESS EQUIPMENT DATA SHEET - 10-PK-2912 - C Class 1 Purpose\*\* IFR IFD IFD Issue Plan 13/12/2018 10/01/2019 Revised Plan 20/12/2018 31/01/2019 Issue Actual 20/03/2019 TPSK-LSPA1-T-PE-00533 TPSK-LSPA1-T-PE-00780 TPSK-LSPA1-T-PE-01103 Transmittal no. Return Date 22/01/2019 28/02/2019 10/04/2019 Owner Cmmt\* R2 R1 R1 PE OL1-2G30-2914 PROCESS EQUIPMENT DATA SHEET - 10-PK-2914 - N Class 1 CAN Purpose\*\* Α Issue Plan 13/12/2018 Revised Plan Issue Actual 16/10/2018 11/04/2019 Transmittal no TPSK-LSPA1-T-PE-00181 TPSK-LSPA1-T-PE-01329 Return Date 04/02/2019 Owner Cmmt PE OL1-2G30-2920 PROCESS EQUIPMENT DATA SHEET - 10-PK-2920 - P Class 1 Purpose\*\* IFR IFD IFD Issue Plan 13/12/2018 10/01/2019 Revised Plan Issue Actual 20/12/2018 25/01/2019 20/03/2019 TPSK-LSPA1-T-PE-00533 TPSK-LSPA1-T-PE-00726 Transmittal no Return Date 22/01/2019 11/02/2019 10/04/2019 Owner Cmmt\* R1 R1 R1 PE OL1-2G30-2922 PROCESS EQUIPMENT DATA SHEET - 10-PK-2922 - C Class 1 IFR IFD Purpose\*\* Issue Plan 13/12/2018 10/01/2019 Revised Plan Issue Actual 20/12/2018 16/01/2019 Transmittal no TPSK-LSPA1-T-PE-00560 TPSK-LSPA1-T-PE-006 Return Date 14/01/2019 31/01/2019 Owner Cmmt\* PE OL1-2G30-2931 Process Equipment Datasheet - 10-PK-2931 - Propa Class Final IFR IFD Issue Plan 13/12/2018 10/01/2019 Revised Plan Issue Actual 22/01/2019 12/02/2019 TPSK-LSPA1-T-PE-00689 TPSK-LSPA1-T-PE-00846 Transmittal no. 11/02/2019 25/02/2019 Return Date Owner Cmmt\* PE OL1-2G30-2932 Process Equipment Datasheet - 10-D-2930 - Metha Class Final IFD IFR Purpose\*\* Issue Plan 18/02/2019 25/03/2019 Revised Plan 14/01/2019 Issue Actual 01/02/2019 26/03/2019 Transmittal no TPSK-LSPA-1-T-PE-00644 TPSK-LSPA1-T-PE-00796 TPSK-LSPA1-T-PE-01162 Return Date 31/01/2019 21/02/2019 Owner Cmmt PE OL1-2G30-2934 Process Equipment Datasheet - 10-P-2930 - Metha Class Final IFR IFD 11/03/2019 01/04/2019 Issue Plan Revised Plan 14/01/2019 12/02/2019 Issue Actual TPSK-LSPA1-T-PE-00645 TPSK-LSPA1-T-PE-00844 Transmittal no. 04/02/2019 Return Date Owner Cmmt\* R1 R1 PE OL1-2G30-2940 PROCESS EQUIPMENT DATA SHEET - 10-PK-2940 - C Class 1 Purpose\*\* IFR IFD IFD Issue Plan 13/12/2018 10/01/2019 Revised Plan 20/12/2018 20/03/2019 25/01/2019 Issue Actual TPSK-LSPA1-T-PE-00533 TPSK-LSPA1-T-PE-00726 TPSK-LSPA1-T-PE-01103 Transmittal no Return Date 22/01/2019 14/03/2019 10/04/2019 Owner Cmmt\* R1 PE OL1-2G30-3000 PROCESS EQUIPMENT DATA SHEET - 10-T-3000 - PR Class 1 IFR Purpose\*\* Α 21/01/2019 Issue Plan Revised Plan 25/02/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-PE-00923 15/03/2019 Owner Cmmt PE OL1-2G30-3001 PROCESS EQUIPMENT DATA SHEET - 10-E-3000 - PR Class 1 Purpose\*\* IFR Issue Plan 18/02/2019 Revised Plan 25/03/2019 Issue Actual Transmittal no. Return Date 11/04/2019 Owner Cmmt\* R2 PE OL1-2G30-3002 PROCESS EQUIPMENT DATA SHEET - 10-P-3002 - PR Class 1 Purpose\*\* IFR Issue Plan 11/03/2019 Revised Plan Issue Actual 05/04/2019 Transmittal no. TPSK-LSPA1-T-PE-01263 Return Date Owner Cmmt\* PE OL1-2G30-3003 PROCESS EQUIPMENT DATA SHEET - 10-P-3000 - PR Class 1 Purpose\*\* IFR Issue Plan 11/03/2019 Revised Plan Issue Actual 05/04/2019

ABBREVIATION Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information DOCUMENT NO. Master Document Index (MDI)

IFR = Issue For Approval | FA = Issue For Approval | FC = Issue For Construction | FI = Issue For Information | FI = Issue For Infor \*\*Revision Purpose of Issued Document LONG SON A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification TPSK-LSPA1-T-PE-01263 Transmittal no. Return Date Owner Cmmt\* PE OL1-2G30-3004 PROCESS EQUIPMENT DATA SHEET - 10-E-3004 - PR Class 1 Purpose\*\* IFR Issue Plan 18/02/2019 Revised Plan 25/03/2019 Issue Actual TPSK-LSPA1-T-PE-01148 Transmittal no. Return Date 11/04/2019 Owner Cmmt\* R2 PE OL1-2G30-3005 PROCESS EQUIPMENT DATA SHEET - 10-E-3005 - PR Class 1 Purpose\*\* Issue Plan 18/02/2019 Revised Plan Issue Actual 25/03/2019 Transmittal no TPSK-LSPA1-T-PE-01148 Return Date 11/04/2019 Owner Cmmt\* PE OL1-2G30-3006 PROCESS EQUIPMENT DATA SHEET - 10-D-3000 - PR Class 1 Purpose\*\* IFR Issue Plan 18/02/2019 Revised Plan Issue Actual 05/04/2019 TPSK-LSPA1-T-PE-01265 Transmittal no Return Date Owner Cmmt\* PE OL1-2G30-3007 PROCESS EQUIPMENT DATA SHEET - 10-D-3002 - PR Class 1 Purpose\*\* Issue Plan 18/02/2019 Revised Plan Issue Actual 05/04/2019 TPSK-LSPA1-T-PE-0126 Return Date Owner Cmmt\* PE OL1-2G30-3010 PROCESS EQUIPMENT DATA SHEET - 10-D-3010 - C4 Class 1 Purpose\*\* IFR Issue Plan 21/01/2019 Revised Plan Issue Actual 25/02/2019 TPSK-LSPA1-T-PE-00923 Transmittal no. 15/03/2019 Return Date Owner Cmmt\* PE OL1-2G30-3014 PROCESS EQUIPMENT DATA SHEET - 10-E-3014 - C4 Class 1 Purpose\*\* Issue Plan 18/02/2019 Revised Plan Issue Actual 25/03/2019 Transmittal no TPSK-LSPA1-T-PE-01148 Return Date 11/04/2019 Owner Cmmt PE OL1-2G30-3015 PROCESS EQUIPMENT DATA SHEET - 10-E-3015 - C4 Class 1 IFR Rev. Issue Plan 18/02/2019 Revised Plan 29/03/2019 Issue Actual TPSK-LSAP1-T-PE-01202 Transmittal no. Owner Cmmt\* R2 PE OL1-2G30-3016 PROCESS EQUIPMENT DATA SHEET - 10-P-3016 - HE Class 1 Purpose\*\* IFR Issue Plan 11/03/2019 Revised Plan 05/04/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-0126 Return Date Owner Cmmt\* PE OL1-2G30-3018 PROCESS EQUIPMENT DATA SHEET - 10-E-3018 - SO Class 1 Purpose\*\* Α 18/02/2019 Issue Plan Revised Plan 01/04/2019 Issue Actual Transmittal no. TPSK-LSAP1-T-PE-01214 12/04/2019 Owner Cmmt PE OL1-2G30-3020 PROCESS EQUIPMENT DATA SHEET - 10-T-3020 - MA Class 1 Purpose\*\* IFR Α Issue Plan 21/01/2019 Revised Plan 26/02/2019 Issue Actual Transmittal no. Return Date 15/03/2019 Owner Cmmt\* R2 PE OL1-2G30-3021 PROCESS EQUIPMENT DATA SHEET - 10-D-3020 - M/ Class 1 Purpose\*\* IFR Issue Plan 18/02/2019 Revised Plan Issue Actual 01/04/2019 Transmittal no. TPSK-LSAP1-T-PE-01214 Return Date 12/04/2019 Owner Cmmt\* PE OL1-2G30-3022 PROCESS EQUIPMENT DATA SHEET - 10-P-3020 - MA Class 1 Purpose\*\* IFR Issue Plan 11/03/2019 Revised Plan 05/04/2019 Issue Actual

ABBREVIATION Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information DOCUMENT NO. Master Document Index (MDI)

| IFR = Issue For Review | IFA = Issue For Approval | IFC = Issue For Construction | IFC = Issue For Construction | IFC = Issue For Construction | IFC = Issue For Planning | IFC = I \*\*Revision Purpose of Issued Document LONG SON A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification TPSK-LSPA1-T-PE-01263 Transmittal no. Return Date Owner Cmmt\* PE OL1-2G30-3023 PROCESS EQUIPMENT DATA SHEET - 10-E-3020 - MA Class 1 Purpose\*\* IFR Issue Plan 18/02/2019 Revised Plan 05/04/2019 Issue Actual TPSK-LSPA1-T-PE-01265 Transmittal no. Return Date Owner Cmmt\* PE OL1-2G30-3026 PROCESS EQUIPMENT DATA SHEET - 10-P-3026 - MA Class 1 IFR Purpose\*\* Issue Plan 11/03/2019 Revised Plan Issue Actual 05/04/2019 Transmittal no TPSK-LSPA1-T-PE-01265 Return Date Owner Cmmt PE OL1-2G30-3030 PROCESS EQUIPMENT DATA SHEET - 10-T-3030 - AF Class 1 Purpose\*\* IFR Issue Plan 21/01/2019 Revised Plan Issue Actual 28/02/2019 TPSK-LSPA1-T-PE-0095 Transmittal no Return Date 15/03/2019 Owner Cmmt\* PE OL1-2G30-3031 PROCESS EQUIPMENT DATA SHEET - 10-E-3030 - AFT Class 1 IFR Purpose\*\* Issue Plan 18/02/2019 Revised Plan Issue Actual 01/04/2019 Transmittal no Return Date 12/04/2019 Owner Cmmt\* PE OL1-2G30-3032 PROCESS EQUIPMENT DATA SHEET - 10-P-3030 - AF Class 1 Purpose\*\* IFR Issue Plan 11/03/2019 Revised Plan Issue Actual 05/04/2019 TPSK-LSPA1-T-PE-01263 Transmittal no Return Date Owner Cmmt\* PE OL1-2G30-3033 PROCESS EQUIPMENT DATA SHEET - 10-D-3030 - AF Class 1 Purpose\*\* Issue Plan 18/02/2019 Revised Plan Issue Actual 05/04/2019 Transmittal no TPSK-LSPA1-T-PE-01265 Return Date Owner Cmmt PE OL1-2G30-3036 PROCESS EQUIPMENT DATA SHEET - 10-P-3036 - AF Class 1 Rev. Issue Plan 11/03/2019 Revised Plan 05/04/2019 Issue Actual TPSK-LSPA1-T-PE-01265 Transmittal no Owner Cmmt\* PE OL1-2G30-3040 PROCESS EQUIPMENT DATA SHEET - 10-T-3040 - RECClass 1 Purpose\*\* IFR Issue Plan 21/01/2019 Revised Plan 01/03/2019 Issue Actual TPSK-LSPA1-T-PE-00958 Return Date 02/04/2019 Owner Cmmt\* PE OL1-2G30-3044 PROCESS EQUIPMENT DATA SHEET - 10-E-3044 - SO Class 1 IFR Purpose\*\* Α 18/02/2019 Issue Plan Revised Plan 01/04/2019 Issue Actual Transmittal no. TPSK-LSAP1-T-PE-01214 12/04/2019 Owner Cmmt\* PE OL1-2G30-3045 PROCESS EQUIPMENT DATA SHEET - 10-E-3045 - SO Class 1 Purpose\*\* IFR Α Issue Plan 18/02/2019 Revised Plan 01/04/2019 Issue Actual Transmittal no. Return Date 12/04/2019 Owner Cmmt\* R2 PE OL1-2G30-3046 PROCESS EQUIPMENT DATA SHEET - 10-P-3046 - DE Class 1 Purpose\*\* Issue Plan 11/03/2019 Revised Plan Issue Actual 05/04/2019 Transmittal no. TPSK-LSPA1-T-PE-01265 Return Date Owner Cmmt\* PE OL1-2G30-3047 PROCESS EQUIPMENT DATA SHEET - 10-P-3045 - RE Class 1 Purpose\*\* IFR Issue Plan 11/03/2019 Revised Plan 05/04/2019 Issue Actual

ABBREVIATION Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information DOCUMENT NO. Master Document Index (MDI)

| IFR = Issue For Review | IFA = Issue For Approval | IFC = Issue For Construction | IFC = Issue For Construction | IFC = Issue For Construction | IFC = Issue For Planning | IFC = I \*\*Revision Purpose of Issued Document LONG SON A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification TPSK-LSPA1-T-PE-01265 Transmittal no. Return Date Owner Cmmt\* PE OL1-2G30-3050 PROCESS EQUIPMENT DATA SHEET - 10-T-3050 - DE Class 1 Purpose\*\* IFR Issue Plan 21/01/2019 Revised Plan 28/02/2019 Issue Actual TPSK-LSPA1-T-PE-00955 Transmittal no. Return Date 15/03/2019 Owner Cmmt\* R2 PE OL1-2G30-3055 PROCESS EQUIPMENT DATA SHEET - 10-E-3055 - DE Class 1 Purpose\*\* Issue Plan 18/02/2019 Revised Plan Issue Actual 29/03/2019 Transmittal no TPSK-LSAP1-T-PE-01202 Return Date 12/04/2019 Owner Cmmt\* PE OL1-2G30-3056 PROCESS EQUIPMENT DATA SHEET - 10-P-3056 - DE Class 1 Purpose\*\* IFR Issue Plan 11/03/2019 Revised Plan Issue Actual 05/04/2019 TPSK-LSPA1-T-PE-01265 Transmittal no Return Date Owner Cmmt\* PE OL1-2G30-3060 PROCESS EQUIPMENT DATA SHEET - 10-T-3060 - AC Class 1 IFR Purpose\*\* Issue Plan 21/01/2019 Revised Plan Issue Actual 25/02/2019 Transmittal no TPSK-LSPA1-T-PE-0092 Return Date 15/03/2019 Owner Cmmt\* PE OL1-2G30-3061 PROCESS EQUIPMENT DATA SHEET - 10-E-3060 - AC Class 1 Purpose\*\* IFR Issue Plan 18/02/2019 Revised Plan Issue Actual 05/04/2019 TPSK-LSPA1-T-PE-01265 Transmittal no Return Date Owner Cmmt\* PE OL1-2G30-3062 PROCESS EQUIPMENT DATA SHEET - 10-E-3062 - ACI Class 1 Purpose\*\* Issue Plan 18/02/2019 Revised Plan Issue Actual 29/03/2019 Transmittal no TPSK-LSAP1-T-PE-01202 Return Date 12/04/2019 Owner Cmmt\* PE OL1-2G30-3063 PROCESS EQUIPMENT DATA SHEET - 10-P-3060 - WV Class 1 IFR Rev. Issue Plan 11/03/2019 Revised Plan 29/03/2019 Issue Actual TPSK-LSAP1-T-PE-01202 Transmittal no. Owner Cmmt\* R2 PE OL1-2G30-3064 PROCESS EQUIPMENT DATA SHEET - 10-P-3062 - C4 Class 1 Purpose\*\* IFR Issue Plan 11/03/2019 Revised Plan 05/04/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-01263 Return Date Owner Cmmt\* PE OL1-2G30-3065 PROCESS EQUIPMENT DATA SHEET - 10-P-3061 - W. Class 1 Purpose\*\* Α 11/03/2019 Issue Plan Revised Plan 05/04/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-PE-01263 Owner Cmmt PE OL1-2G30-3066 PROCESS EQUIPMENT DATA SHEET - 10-D-3062 - AC Class 1 Purpose\*\* IFR Issue Plan 18/02/2019 Revised Plan 05/04/2019 Issue Actual TPSK-LSPA1-T-PE-01265 Transmittal no. Return Date Owner Cmmt\* PE OL1-2G30-3067 PROCESS EQUIPMENT DATA SHEET - 10-D-3060 - C4 Class 1 Purpose\*\* IFR Issue Plan 18/02/2019 Revised Plan Issue Actual 05/04/2019 Transmittal no. TPSK-LSPA1-T-PE-01265 Return Date Owner Cmmt\* PE OL1-2G30-3070 PROCESS EQUIPMENT DATA SHEET - 10-T-3070 - DIF Class 1 Purpose\*\* Issue Plan 21/01/2019 Revised Plan 28/02/2019 Issue Actual

ABBREVIATION Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information DOCUMENT NO. Master Document Index (MDI)

| IFR = Issue For Review | IFA = Issue For Approval | IFC = Issue For Construction | IFC = Issue For Construction | IFC = Issue For Construction | IFC = Issue For Planning | IFC = I \*\*Revision Purpose of Issued Document LONG SON A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification TPSK-LSPA1-T-PE-00955 Transmittal no. 15/03/2019 Return Date Owner Cmmt\* PE OL1-2G30-3071 PROCESS EQUIPMENT DATA SHEET - 10-E-3070 - WA Class 1 Purpose\*\* IFR Issue Plan 18/02/2019 Revised Plan 29/03/2019 Issue Actual TPSK-LSAP1-T-PE-01202 Transmittal no. Return Date 12/04/2019 Owner Cmmt\* R2 PE OL1-2G30-3072 PROCESS EQUIPMENT DATA SHEET - 10-EJ-3070 - RE Class 1 Purpose\*\* Issue Plan 18/02/2019 Revised Plan Issue Actual 09/04/2019 Transmittal no TPSK-LSPA1-T-PE-01283 Return Date Owner Cmmt PE OL1-2G30-3073 PROCESS EQUIPMENT DATA SHEET - 10-C-3070 - RE Class 1 Purpose\*\* IFR IFD Issue Plan 07/12/2018 02/01/2019 Revised Plan Issue Actual 20/11/2018 18/01/2019 TPSK-LSPA1-T-PE-00344 Transmittal no Return Date 13/12/2018 21/03/2019 Owner Cmmt\* R1 PE OL1-2G30-3076 PROCESS EQUIPMENT DATA SHEET - 10-P-3076 - DIF Class 1 IFR Purpose\*\* Issue Plan 11/03/2019 Revised Plan Issue Actual 05/04/2019 TPSK-LSPA1-T-PE-0126 Return Date Owner Cmmt\* PE OL1-2G30-3080 PROCESS EQUIPMENT DATA SHEET - 10-T-3080 - BU Class 1 Purpose\*\* IFR Issue Plan 21/01/2019 Revised Plan Issue Actual 25/02/2019 TPSK-LSPA1-T-PE-00923 Transmittal no. 15/03/2019 Return Date Owner Cmmt\* PE OL1-2G30-3081 PROCESS EQUIPMENT DATA SHEET - 10-D-3080 - BU Class 1 Purpose\*\* Issue Plan 18/02/2019 Revised Plan Issue Actual 29/03/2019 Transmittal no TPSK-LSAP1-T-PE-01202 Return Date 12/04/2019 Owner Cmmt\* PE OL1-2G30-3082 PROCESS EQUIPMENT DATA SHEET - 10-E-3080 - BU Class 1 IFR Rev. Issue Plan 18/02/2019 Revised Plan 05/04/2019 Issue Actual TPSK-LSPA1-T-PE-01263 Transmittal no Owner Cmmt\* PE OL1-2G30-3083 Process Equipment Data Sheet - 10-P-3080 A-B But Class Final Purpose\*\* IFR Issue Plan Revised Plan 05/04/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-0126 Return Date Owner Cmmt\* PE OL1-2G30-3084 PROCESS EQUIPMENT DATA SHEET - 10-E-3084 - BU Class 1 Purpose\*\* Α 18/02/2019 Issue Plan Revised Plan 29/03/2019 Issue Actual Transmittal no. TPSK-LSAP1-T-PE-01202 12/04/2019 Owner Cmmt PE OL1-2G30-3085 PROCESS EQUIPMENT DATA SHEET - 10-E-3085 - BU Class 1 Purpose\*\* IFR Α Issue Plan 18/02/2019 Revised Plan 29/03/2019 Issue Actual Transmittal no. Return Date 12/04/2019 Owner Cmmt\* R2 PE OL1-2G30-3086 PROCESS EQUIPMENT DATA SHEET - 10-P-3086 - C4 Class 1 Purpose\*\* Issue Plan 11/03/2019 Revised Plan Issue Actual 05/04/2019 Transmittal no. TPSK-LSPA1-T-PE-01265 Return Date Owner Cmmt\* PE OL1-2G30-3090 PROCESS EQUIPMENT DATA SHEET - 10-T-3090 - BU Class 1 Purpose\*\* IFR Issue Plan 21/01/2019 Revised Plan 26/02/2019 Issue Actual

ABBREVIATION Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information DOCUMENT NO. Master Document Index (MDI)

| IFR = Issue For Review | IFA = Issue For Approval | IFC = Issue For Construction | IFC = Issue For Construction | IFC = Issue For Construction | IFC = Issue For Planning | IFC = I \*\*Revision Purpose of Issued Document LONG SON A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification TPSK-LSPA1-T-PE-00932 Transmittal no. 15/03/2019 Return Date Owner Cmmt\* PE OL1-2G30-3095 PROCESS EQUIPMENT DATA SHEET - 10-E-3095 - BU Class 1 Purpose\*\* IFR Issue Plan 18/02/2019 Revised Plan 29/03/2019 Issue Actual TPSK-LSAP1-T-PE-01202 Transmittal no. Return Date 12/04/2019 Owner Cmmt\* R2 PE OL1-2G30-3097 PROCESS EQUIPMENT DATA SHEET - 10-P-3096 - BU Class 1 Purpose\*\* Issue Plan 11/03/2019 Revised Plan Issue Actual 05/04/2019 Transmittal no TPSK-LSPA1-T-PE-01265 Return Date Owner Cmmt PE OL1-2G30-3098 PROCESS EQUIPMENT DATA SHEET - 10-E-3098 - BU Class 1 Purpose\*\* IFR Issue Plan 18/02/2019 Revised Plan Issue Actual 29/03/2019 TPSK-LSAP1-T-PE-01202 Transmittal no Return Date 12/04/2019 Owner Cmmt\* PE OL1-2G30-3100 PROCESS EQUIPMENT DATA SHEET - 10-D-3100 - SO Class 1 IFR Purpose\*\* Issue Plan 18/02/2019 Revised Plan Issue Actual 05/04/2019 TPSK-LSPA1-T-PE-01263 Return Date Owner Cmmt\* PE OL1-2G30-3101 PROCESS EQUIPMENT DATA SHEET - 10-A-3100 - SO Class 1 Purpose\*\* IFR Issue Plan 18/02/2019 Revised Plan 11/04/2019 Issue Actual TPSK-LSPA1-T-PE-01319 Transmittal no. Return Date Owner Cmmt\* PE OL1-2G30-3110 PROCESS EQUIPMENT DATA SHEET - 10-T-3110 - WA Class 1 Purpose\*\* Issue Plan 21/01/2019 Revised Plan Issue Actual 01/03/2019 Transmittal no TPSK-LSPA1-T-PE-00973 Return Date 02/04/2019 Owner Cmmt\* PE OL1-2G30-3111 PROCESS EQUIPMENT DATA SHEET - 10-D-3110 - W Class 1 IFR Rev. Issue Plan 18/02/2019 Revised Plan 29/03/2019 Issue Actual TPSK-LSAP1-T-PE-01202 Transmittal no. R2 Owner Cmmt\* PE OL1-2G30-3112 PROCESS EQUIPMENT DATA SHEET - 10-E-3110 - WA Class 1 Purpose\*\* IFR Issue Plan 18/02/2019 Revised Plan 05/04/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-01263 Return Date Owner Cmmt\* PE OL1-2G30-3113 PROCESS EQUIPMENT DATA SHEET - 10-P-3110 - SO Class 1 Purpose\*\* Α 11/03/2019 Issue Plan Revised Plan 05/04/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-PE-01265 Owner Cmmt PE OL1-2G30-3123 PROCESS EQUIPMENT DATA SHEET - 10-PK-3120 - R Class 1 Purpose\*\* IFR Issue Plan 18/02/2019 Revised Plan 09/04/2019 Issue Actual TPSK-LSPA1-T-PE-01284 Transmittal no. Return Date Owner Cmmt\* PE OL1-2G30-3126 PROCESS EQUIPMENT DATA SHEET - 10-D-3126 - EJI Class 1 Purpose\*\* IFR Issue Plan 18/02/2019 Revised Plan Issue Actual 05/04/2019 Transmittal no. TPSK-LSPA1-T-PE-01263 Return Date Owner Cmmt\* PE OL1-2G30-3127 PROCESS EQUIPMENT DATA SHEET - 10-P-3126 - W/ Class 1 Purpose\*\* Issue Plan 11/03/2019 Revised Plan 05/04/2019 Issue Actual

ABBREVIATION Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information DOCUMENT NO. Master Document Index (MDI)

| IFR = Issue For Review | IFA = Issue For Approval | IFC = Issue For Construction | IFC = Issue For Construction | IFC = Issue For Construction | IFC = Issue For Planning | IFC = I \*\*Revision Purpose of Issued Document LONG SON A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification TPSK-LSPA1-T-PE-01265 Transmittal no. Return Date Owner Cmmt\* PE OL1-2G30-3150 PROCESS EQUIPMENT DATA SHEET - 10-E-3150 - CO Class 1 Purpose\*\* IFR Issue Plan 18/02/2019 Revised Plan 01/04/2019 Issue Actual TPSK-LSAP1-T-PE-01214 Transmittal no. Return Date 12/04/2019 Owner Cmmt\* R2 PE OL1-2G30-3151 PROCESS EQUIPMENT DATA SHEET - 10-D-3150 - CQ Class 1 Purpose\*\* Issue Plan 18/02/2019 Revised Plan Issue Actual 05/04/2019 Transmittal no TPSK-LSPA1-T-PE-01263 Return Date Owner Cmmt PE OL1-2G30-3160 PROCESS EQUIPMENT DATA SHEET - 10-E-3160 - CO Class 1 Purpose\*\* IFR Issue Plan 18/02/2019 Revised Plan Issue Actual 01/04/2019 TPSK-LSAP1-T-PE-01214 Transmittal no Return Date 12/04/2019 Owner Cmmt\* PE OL1-2G30-3161 PROCESS EQUIPMENT DATA SHEET - 10-D-3160 - CC Class 1 IFR Purpose\*\* Issue Plan 18/02/2019 Revised Plan Issue Actual 05/04/2019 TPSK-LSPA1-T-PE-01263 Return Date Owner Cmmt\* PE OL1-2G30-3162 PROCESS EQUIPMENT DATA SHEET - 10-P-3160 - CO Class 1 Purpose\*\* IFR Issue Plan 11/03/2019 Revised Plan Issue Actual 05/04/2019 TPSK-LSPA1-T-PE-01265 Transmittal no Return Date Owner Cmmt\* PE OL1-2G30-3180 PROCESS EQUIPMENT DATA SHEET - 10-D-3180 - BL Class 1 Purpose\*\* Issue Plan 18/02/2019 Revised Plan Issue Actual 05/04/2019 Transmittal no TPSK-LSPA1-T-PE-01263 Return Date Owner Cmmt PE OL1-2G30-3190 PROCESS EQUIPMENT DATA SHEET - 10-D-3190 - NN Class 1 Rev. Issue Plan 18/02/2019 Revised Plan 05/04/2019 Issue Actual TPSK-LSPA1-T-PE-01263 Transmittal no Owner Cmmt\* PE OL1-2G30-3191 PROCESS EQUIPMENT DATA SHEET - 10-EJ-3190 - NI Class 1 Purpose\*\* IFR Issue Plan 18/02/2019 Revised Plan 05/04/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-0126 Return Date Owner Cmmt\* PE OL1-2G30-3192 PROCESS EQUIPMENT DATA SHEET - 10-P-3190 - SO Class 1 Purpose\*\* 01/04/2019 Issue Plan Revised Plan 26/03/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-PE-01160 11/04/2019 Owner Cmmt\* PE OL1-2G30-3900 PROCESS EQUIPMENT DATA SHEET - 10-TK-3900 - N Class 1 Purpose\*\* IFR Issue Plan 18/02/2019 Revised Plan 11/04/2019 Issue Actual TPSK-LSPA1-T-PE-01318 Transmittal no. Return Date Owner Cmmt\* PE OL1-2G30-3901 PROCESS EQUIPMENT DATA SHEET - 10-P-3900 - NN Class 1 Purpose\*\* IFR Issue Plan 11/03/2019 Revised Plan Issue Actual 09/04/2019 Transmittal no. TPSK-LSPA-1-PE-01285 Return Date Owner Cmmt\* PE OL1-2G30-3902 PROCESS EQUIPMENT DATA SHEET - 10-P-3902 - SO Class 1 Purpose\*\* Issue Plan 11/03/2019 Revised Plan 05/04/2019 Issue Actual

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification TPSK-LSPA1-T-PE-01263 Transmittal no. Return Date Owner Cmmt\* PE OL1-2G30-3903 PROCESS EQUIPMENT DATA SHEET - 10-D-3902 - SO Class 1 Purpose\*\* IFR Issue Plan 18/02/2019 Revised Plan 09/04/2019 Issue Actual TPSK-LSPA-1-PE-01285 Transmittal no. Return Date Owner Cmmt\* PE OL1-2G30-3904 PROCESS EQUIPMENT DATA SHEET - 10-D-3904 - PR Class 1 IFR Purpose\*\* Issue Plan 18/02/2019 Revised Plan Issue Actual 05/04/2019 Transmittal no TPSK-LSPA1-T-PE-01263 Return Date Owner Cmmt PE OL1-2G30-3905 PROCESS EQUIPMENT DATA SHEET - 10-P-3904 - PR Class 1 Purpose\*\* IFR Issue Plan 11/03/2019 Revised Plan Issue Actual 09/04/2019 TPSK-LSPA-1-PE-01285 Transmittal no Return Date Owner Cmmt\* PE OL1-2G30-3906 PROCESS EQUIPMENT DATA SHEET - 10-D-3906 - AN Class 1 Purpose\*\* Issue Plan 18/02/2019 Revised Plan Issue Actual 05/04/2019 TPSK-LSPA1-T-PE-0126 Return Date Owner Cmmt\* PE OL1-2G30-3907 PROCESS EQUIPMENT DATA SHEET - 10-P-3906 - AN Class 1 IFR Issue Plan 11/03/2019 Revised Plan Issue Actual 09/04/2019 TPSK-LSPA-1-PE-01285 Transmittal no. Return Date Owner Cmmt\* PE OL1-2G30-3908 PROCESS EQUIPMENT DATA SHEET - 10-D-3908 - PR Class 1 Purpose\*\* Issue Plan 18/02/2019 Revised Plan 09/04/2019 Issue Actual Transmittal no TPSK-LSPA-1-PE-01285 Return Date Owner Cmmt PE OL1-2G30-3910 Process Equipment Data Sheet - 10-D-3908 - Predis Class Final IFR Α Issue Plan Revised Plan Issue Actual 05/04/2019 TPSK-LSPA1-T-PE-01263 Transmittal no. Owner Cmmt\* PE OL1-2G30-5100 PROCESS EQUIPMENT DATA SHEET - 10-D-5100 - DE Class 1 Purpose\*\* IFR IFD IFD Issue Plan 18/02/2019 25/03/2019 Revised Plan 09/10/2018 14/11/2018 27/03/2019 Issue Actual TPSK-LSPA1-T-PE-00151 TPSK-LSPA1-T-PE-00318 TPSK-LSPA1-T-PE-01174 Transmittal no Return Date 05/11/2018 21/02/2019 Owner Cmmt\* PE OL1-2G30-5101 PROCESS EQUIPMENT DATA SHEET - 10-P-5100 - SH Class 1 IFR Purpose\*\* Α 11/03/2019 Issue Plan 01/04/2019 Revised Plan 31/10/2018 Issue Actual 08/10/2018 Transmittal no. TPSK-LSPA1-T-PE-00141 TPSK-LSPA1-T-PE-00251 26/10/2018 13/12/2018 Owner Cmmt PE OL1-2G30-5102 PROCESS EQUIPMENT DATA SHEET - 10-P-5102 - BF Class 1 Purpose\*\* IFR IFD IFD Α Issue Plan 11/03/2019 01/04/2019 Revised Plan 31/10/2018 08/10/2018 29/03/2019 Issue Actual TPSK-LSPA1-T-PE-00141 TPSK-LSPA1-T-PE-00251 TPSK-LSPA1-T-PE-01196 Transmittal no. Return Date 26/10/2018 13/12/2018 Owner Cmmt\* R1 R1 PE OL1-2G30-5103 PROCESS EQUIPMENT DATA SHEET - 10-E-5100 - DE Class 1 Purpose\*\* IFR CAN Issue Plan 18/02/2019 18/03/2019 Revised Plan Issue Actual 25/10/2018 26/11/2018 19/03/2019 Transmittal no. 02/04/2019 Return Date 14/11/2018 10/12/2018 Owner Cmmt\* PE OL1-2G30-5107 PROCESS EQUIPMENT DATA SHEET - 10-E-5112 - SUI Class 1 Purpose\*\* IFR IFD Issue Plan 18/02/2019 18/03/2019 Revised Plan 30/10/2018 14/01/2019 Issue Actual

ABBREVIATION DOCUMENT NO. \*Owner Feedback (Comment) \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review R1 = No comments R2 = Comments as noted IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation A1 = App. w/o comments LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification Transmittal no. TPSK-LSPA1-T-PE-00243 TPSK-LSPA1-T-PE-00646 14/11/2018 Return Date 21/02/2019 Owner Cmmt\* PE OL1-2G30-5108 PROCESS EQUIPMENT DATA SHEET - 10-E-5110 - SUI Class 1 Purpose\*\* IFR IFD Issue Plan 18/02/2019 18/03/2019 Revised Plan 30/10/2018 14/01/2019 Issue Actual TPSK-LSPA1-T-PE-00243 TPSK-LSPA1-T-PE-00652 Transmittal no. Return Date 14/11/2018 21/02/2019 Owner Cmmt\* R2 R1 PE OL1-2G30-5109 PROCESS EQUIPMENT DATA SHEET - 10-P-5110 - CO Class 1 IFD Purpose\*\* Issue Plan 11/03/2019 01/04/2019 Revised Plan Issue Actual 08/10/2018 31/10/2018 14/03/2019 28/03/2019 Transmittal no TPSK-LSPA1-T-PE-00141 TPSK-LSPA1-T-PE-00251 TPSK-LSPA1-T-PE-0105 TPSK-LSAP1-T-PE-01189 Return Date 26/10/2018 13/12/2018 02/04/2019 Owner Cmmt PE OL1-2G30-5110 PROCESS EQUIPMENT DATA SHEET - 10-TK-5110 - C Class 1 Purpose\*\* IFR IFD Issue Plan 18/02/2019 18/03/2019 Revised Plan Issue Actual 27/11/2018 11/03/2019 TPSK-LSPA1-T-PE-00374 TPSK-LSPA1-T-PE-0101 Transmittal no Return Date 18/12/2018 27/03/2019 Owner Cmmt\* R1 PE OL1-2G30-5111 PROCESS EQUIPMENT DATA SHEET - 10-P-5112 - SU Class 1 IFR IFD Purpose\*\* Issue Plan 11/03/2019 01/04/2019 Revised Plan Issue Actual 24/10/2018 26/11/2018 TPSK-LSPA1-T-PE-00219 TPSK-LSPA1-T-PE-0036 Return Date 14/11/2018 13/12/2018 Owner Cmmt\* PE OL1-2G30-5112 PROCESS EQUIPMENT DATA SHEET - 10-D-5112 - SU Class 1 IFR IFD Purpose\*\* Issue Plan 18/02/2019 25/03/2019 Revised Plan Issue Actual 05/11/2018 14/12/2018 TPSK-LSPA1-T-PE-00274 TPSK-LSPA1-T-PE-00498 Transmittal no. 10/12/2018 10/01/2019 Return Date Owner Cmmt\* PE OL1-2G30-5113 PROCESS EQUIPMENT DATA SHEET - 10-E-5113 - FO Class 1 IFR IFD Purpose\*\* Issue Plan 18/02/2019 18/03/2019 Revised Plan Issue Actual 25/10/2018 26/11/2018 08/04/2019 Transmittal no TPSK-LSPA1-T-PE-00230 TPSK-LSPA1-T-PE-00366 TPSK-LSPA1-T-PE-01278 Return Date 14/11/2018 10/12/2018 Owner Cmmt PE OL1-2G30-5114 PROCESS EQUIPMENT DATA SHEET - 10-D-5114 - LP Class 1 IFR IFD 18/02/2019 25/03/2019 Issue Plan Revised Plan Issue Actual 05/11/2018 14/12/2018 TPSK-LSPA1-T-PE-00274 Transmittal no. TPSK-LSPA1-T-PE-00498 Return Date 10/12/2018 Owner Cmmt\* R2 R1 PE OL1-2G30-5115 PROCESS EQUIPMENT DATA SHEET - 10-PK-5115 - C Class 1 Purpose\*\* IFR IFD Issue Plan 20/12/2018 07/01/2019 Revised Plan 26/11/2018 31/01/2019 Issue Actual TPSK-LSPA1-T-PE-00362 TPSK-LSPA1-T-PE-0077 Return Date 18/12/2018 21/02/2019 Owner Cmmt\* PE OL1-2G30-5120 PROCESS EQUIPMENT DATA SHEET - 10-TK-5120 - R. Class 1 IFR Purpose\*\* Α Issue Plan 18/02/2019 18/03/2019 Revised Plan 14/03/2019 Issue Actual 26/11/2018 Transmittal no TPSK-LSPA1-T-PE-00364 TPSK-LSPA1-T-PE-01055 17/12/2018 29/03/2019 Owner Cmmt PE OL1-2G30-5121 PROCESS EQUIPMENT DATA SHEET - 10-P-5120 - RA Class 1 Purpose\*\* IFR IFD Α Issue Plan 11/03/2019 01/04/2019 Revised Plan 24/10/2018 26/11/2018 Issue Actual TPSK-LSPA1-T-PE-00219 Transmittal no. Return Date 14/11/2018 13/12/2018 Owner Cmmt\* R1 R1 PE OL1-2G30-5125 PROCESS EQUIPMENT DATA SHEET - 10-PK-5125 - C Class 1 Purpose\*\* IFR Α Issue Plan 20/12/2018 07/01/2019 Revised Plan Issue Actual 27/11/2018 31/01/2019 Transmittal no. TPSK-LSPA1-T-PE-00373 TPSK-LSPA1-T-PE-00778 Return Date 13/12/2018 21/02/2019 Owner Cmmt\* PE OL1-2G30-5140 PROCESS EQUIPMENT DATA SHEET - 10-D-5140 - IN Class 1 Purpose\*\* IFR IFD IFD Issue Plan 18/02/2019 25/03/2019 Revised Plan

Issue Actual

19/11/2018 14/12/2018 05/03/2019

ABBREVIATION DOCUMENT NO. \*Owner Feedback (Comment) \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information R1 = No comments R2 = Comments as noted Master Document Index (MDI) IFR = Issue For Review IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation A1 = App. w/o comments LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days **Document Name** Classification Transmittal no. TPSK-LSPA1-T-PE-00331 TPSK-LSPA1-T-PE-00504 TPSK-LSPA1-T-PE-00988 04/12/2018 10/01/2019 15/03/2019 Return Date Owner Cmmt\* PE OL1-2G30-5141 PROCESS EQUIPMENT DATA SHEET - 10-P-5140 - IN Class 1 Purpose\*\* IFR IFD Issue Plan 11/03/2019 01/04/2019 Revised Plan 24/10/2018 14/03/2019 Issue Actual TPSK-LSPA1-T-PE-00219 TPSK-LSPA1-T-PE-01051 Transmittal no. Return Date 14/11/2018 02/04/2019 Owner Cmmt\* R1 R1 PE OL1-2G30-5150 PROCESS EQUIPMENT DATA SHEET - 10-D-5150 - CQ Class 1 Purpose\*\* Issue Plan 18/02/2019 25/03/2019 Revised Plan Issue Actual 19/11/2018 07/12/2018 Transmittal no TPSK-LSPA1-T-PE-00331 TPSK-LSPA1-T-PE-00440 Return Date 04/12/2018 11/03/2019 Owner Cmmt PE OL1-2G30-5200 PROCESS EQUIPMENT DATA SHEET - 10-D-5200 - FU Class 1 Purpose\*\* IFR IFD 25/03/2019 Issue Plan 18/02/2019 Revised Plan Issue Actual 19/11/2018 07/12/2018 TPSK-LSPA1-T-PE-00331 TPSK-LSPA1-T-PE-004 Transmittal no Return Date 04/12/2018 04/01/2019 Owner Cmmt\* R2 PE OL1-2G30-5201 PROCESS EQUIPMENT DATA SHEET - 10-E-5200 - MP Class 1 IFR IFD Purpose\*\* Issue Plan 18/02/2019 18/03/2019 Revised Plan Issue Actual 05/11/2018 15/02/2019 Transmittal no TPSK-LSPA1-T-PE-0027 TPSK-LSPA1-T-PF-0085 13/03/2019 Return Date 29/11/2018 Owner Cmmt PE OL1-2G30-5202 Process Equipment Datasheet - 10-D-5220 - MP Eth Class Final IFR IFD Issue Plan 11/03/2019 01/04/2019 Revised Plan Issue Actual 10/01/2019 11/02/2019 TPSK-LSPA1-T-PE-00614 TPSK-LSPA1-T-PE--00836 Transmittal no. 24/01/2019 27/03/2019 Return Date Owner Cmmt\* PE OL1-2G30-5210 PROCESS EQUIPMENT DATA SHEET - 10-E-5210 - PIL Class 1 IFR IFD Purpose\*\* Issue Plan 18/02/2019 18/03/2019 Revised Plan 14/03/2019 Issue Actual 15/11/2018 08/04/2019 Transmittal no TPSK-LSPA1-T-PE-00321 TPSK-LSPA1-T-PE-01054 TPSK-LSPA1-T-PE-01278 Return Date 13/12/2018 29/03/2019 Owner Cmmt PE OL1-2G30-5211 PROCESS EQUIPMENT DATA SHEET - 10-D-5210 - PII Class 1 IFR IFD 25/03/2019 18/02/2019 Issue Plan Revised Plan 10/01/2019 Issue Actual 11/02/2019 TPSK-LSPA1-T-PE-00614 TPSK-LSPA1-T-PE--00836 Transmittal no. 24/01/2019 27/03/2019 Return Date Owner Cmmt\* R2 R1 PE OL1-2G30-5350 PROCESS EQUIPMENT DATA SHEET - 10-PK-5350 - C Class 1 Purpose\*\* IFA IFD IFD Issue Plan 26/12/2018 Revised Plan 25/09/2018 24/10/2018 25/03/2019 Issue Actual TPSK-LSPA1-T-PE-00082 TPSK-LSPA1-T-PE-00226 TPSK-LSPA1-T-PE-01150 Return Date 13/10/2018 14/11/2018 12/04/2019 Owner Cmmt\* R2 PE OL1-2G30-5351 PROCESS EQUIPMENT DATA SHEET - 10-PIT-5351 - Class 1 IFR Purpose\*\* Α Issue Plan 03/12/2018 26/12/2018 Revised Plan 01/02/2019 Issue Actual 20/12/2018 Transmittal no TPSK-LSPA-1-T-PE-00539 TPSK-LSPA1-T-PE-00791 16/01/2019 13/03/2019 Return Date Owner Cmmt R2 PE OL1-2G30-5352 PROCESS EQUIPMENT DATA SHEET - 10-P-5350 - OL Class 1 Purpose\*\* IFA IFD IFD Α Issue Plan 01/04/2019 Revised Plan 24/10/2018 24/09/2018 26/10/2018 Issue Actual TPSK-LSPA1-T-PE-0007 TPSK-LSPA1-T-PE-00225 Transmittal no. Return Date 14/11/2018 14/11/2018 Owner Cmmt\* A1 A1 PE OL1-2G30-5355 PROCESS EQUIPMENT DATA SHEET - 10-PK-5355 - S Class 1 IFD Purpose\*\* IFA Α Issue Plan 26/12/2018 Revised Plan Issue Actual 25/09/2018 24/10/2018 08/01/2019 Transmittal no. TPSK-LSPA1-T-PE-00082 TPSK-LSPA1-T-PE-00226 TPSK-LSPA1-T-PE-00611 14/11/2018 24/01/2019 Return Date 13/10/2018 Owner Cmmt\* A1 PE OL1-2G30-5360 PROCESS EQUIPMENT DATA SHEET - 10-PIT-5360 - Class 1 Purpose\*\* IFR IFD Issue Plan 03/12/2018 26/12/2018 Revised Plan 20/12/2018 01/02/2019 Issue Actual

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*Owner Feedback (Comment) \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review R1 = No comments R2 = Comments as noted IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation A1 = App. w/o comments LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days **Document Name** Classification Transmittal no. TPSK-LSPA-1-T-PE-00539 TPSK-LSPA1-T-PE-00791 13/03/2019 Return Date 16/01/2019 Owner Cmmt\* PE OL1-2G30-5361 PROCESS EQUIPMENT DATA SHEET - 10-P-5360 - CT Class 1 Purpose\*\* IFA IFD IFD IFD Α Issue Plan 01/04/2019 Revised Plan 24/10/2018 Issue Actual 24/09/2018 26/10/2018 07/01/2019 TPSK-LSPA1-T-PE-00075 TPSK-LSPA1-T-PE-00225 TPSK-LSPA1-T-PE-00075 TPSK-LSPA1-T-PE-00593 Transmittal no. Return Date 24/10/2018 14/11/2018 14/11/2018 04/02/2019 Owner Cmmt\* A3 A1 A1 R1 PE OL1-2G30-5370 PROCESS EQUIPMENT DATA SHEET - 10-PIT-5370 - Q Class 1 Purpose\*\* Issue Plan 03/12/2018 26/12/2018 Revised Plan Issue Actual 20/12/2018 01/02/2019 Transmittal no TPSK-LSPA-1-T-PE-00539 TPSK-LSPA1-T-PE-00791 Return Date 16/01/2019 13/03/2019 Owner Cmmt PE OL1-2G30-5371 PROCESS EQUIPMENT DATA SHEET - 10-P-5370 - CW Class 1 Purpose\*\* IFR Issue Plan 11/03/2019 Revised Plan Issue Actual 10/01/2019 TPSK-LSPA1-T-PE-00623 Transmittal no Return Date 04/02/2019 Owner Cmmt\* PE OL1-2G30-5390 PROCESS EQUIPMENT DATA SHEET - 10-PK-5390 - C Class 1 IFR IFD IFD Purpose\*\* Issue Plan 13/12/2018 10/01/2019 Revised Plan Issue Actual 27/11/2018 19/02/2019 20/03/2019 Transmittal no TPSK-LSPA1-T-PE-0087 TPSK-LSPA1-T-PF-0111 13/03/2019 Return Date 13/12/2018 10/04/2019 Owner Cmmt PE OL1-2G30-5392 PROCESS EQUIPMENT DATA SHEET - 10-PK-5392 - M Class 1 IFR IFD IFD Purpose\*\* Issue Plan 13/12/2018 10/01/2019 Revised Plan Issue Actual 27/11/2018 19/02/2019 20/03/2019 TPSK-LSPA1-T-PE-00375 TPSK-LSPA1-T-PE-00890 TPSK-LSPA1-T-PE-01111 Transmittal no. 13/03/2019 13/12/2018 10/04/2019 Return Date Owner Cmmt\* R1 IFD PE OL1-2G30-5394 PROCESS EQUIPMENT DATA SHEET - 10-PK-5394 - D Class 1 IFR IFD Purpose\*\* Issue Plan 13/12/2018 10/01/2019 Revised Plan Issue Actual 27/11/2018 19/02/2019 20/03/2019 Transmittal no TPSK-LSPA1-T-PE-00375 TPSK-LSPA1-T-PE-00877 TPSK-LSPA1-T-PE-01111 Return Date 13/12/2018 13/03/2019 10/04/2019 Owner Cmmt R1 R1 PE OL1-2G30-5397 PROCESS EQUIPMENT DATA SHEET - 10-PK-5397 - N Class 1 IFR IFD IFD 13/12/2018 10/01/2019 Issue Plan Revised Plan Issue Actual 27/11/2018 19/02/2019 20/03/2019 TPSK-LSPA1-T-PE-00375 TPSK-LSPA1-T-PE-00877 PSK-LSPA1-T-PE-0111: Transmittal no. 13/12/2018 13/03/2019 Return Date Owner Cmmt\* R2 R1 R1 PE OL1-2G30-5400 PROCESS EQUIPMENT DATA SHEET - 10-D-5400 - INI Class 1 Purpose\*\* IFR IFD IFD Issue Plan 18/02/2019 25/03/2019 Revised Plan 04/03/2019 13/12/2018 06/02/2019 Issue Actual TPSK-LSPA1-T-PE-00485 TPSK-LSPA1-T-PE-0080 TPSK-LSPA1-T-PE-0098 Transmittal no Return Date 07/01/2019 13/03/2019 13/03/2019 Owner Cmmt\* PE OL1-2G30-5500 PROCESS EQUIPMENT DATA SHEET - 10-D-5500 - W Class 1 IFR Purpose\*\* Α 25/03/2019 Issue Plan 18/02/2019 Revised Plan 05/12/2018 Issue Actual 12/10/2018 11/03/2019 Transmittal no TPSK-LSPA1-T-PE-00168 | TPSK-LSPA1-T-PE-00417 | TPSK-LSPA1-T-PE-01020 04/01/2019 27/03/2019 Return Date 14/11/2018 Owner Cmmt PE OL1-2G30-5501 PROCESS EQUIPMENT DATA SHEET - 10-P-5500 - HQ Class 1 Purpose\*\* IFR IFD IFD Α Issue Plan 11/03/2019 01/04/2019 Revised Plan 27/12/2018 30/01/2019 11/03/2019 Issue Actual TPSK-LSPA1-T-PE-00569 Transmittal no. Return Date 24/01/2019 05/03/2019 27/03/2019 Owner Cmmt\* R1 R1 R1 PE OL1-2G30-5510 PROCESS EQUIPMENT DATA SHEET - 10-D-5510 - CQ Class 1 Purpose\*\* IFR Α Issue Plan 18/02/2019 25/03/2019 Revised Plan Issue Actual 29/11/2018 11/03/2019 Transmittal no. TPSK-LSPA1-T-PE-00397 TPSK-LSPA1-T-PE-01018 04/01/2019 Return Date 27/03/2019 Owner Cmmt PE OL1-2G30-5511 PROCESS EQUIPMENT DATA SHEET - 10-E-5510 - CO Class 1 Purpose\*\* IFR IFR Issue Plan 18/02/2019 18/03/2019 Revised Plan 03/01/2019 11/01/2019 04/04/2019 Issue Actual

ABBREVIATION DOCUMENT NO. \*Owner Feedback (Comment) \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review R1 = No comments R2 = Comments as noted IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation A1 = App. w/o comments LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days **Document Name** Classification TPSK-LSPA1-T-PE-00575 TPSK-LSPA1-T-PE-00626 TPSK-LSPA1-T-PE-01261 Transmittal no. 13/03/2019 04/02/2019 Return Date Owner Cmmt\* PE OL1-2G30-5512 PROCESS EQUIPMENT DATA SHEET - 10-E-5512 - CO Class 1 Purpose\*\* IFR IFR Issue Plan 18/02/2019 18/03/2019 Revised Plan 03/01/2019 26/03/2019 Issue Actual 11/01/2019 TPSK-LSPA1-T-PE-00575 TPSK-LSPA1-T-PE-00626 TPSK-LSPA1-T-PE-01161 Transmittal no. Return Date 13/03/2019 04/02/2019 11/04/2019 Owner Cmmt\* R1 R1 R1 PE OL1-2G30-5513 PROCESS EQUIPMENT DATA SHEET - 10-E-5513 - ME Class 1 Purpose\*\* Issue Plan 18/02/2019 18/03/2019 Revised Plan Issue Actual 03/01/2019 11/01/2019 26/03/2019 Transmittal no TPSK-LSPA1-T-PE-00575 TPSK-LSPA1-T-PE-00626 TPSK-LSPA1-T-PE-01161 Return Date 13/03/2019 04/02/2019 11/04/2019 Owner Cmmt PE OL1-2G30-5514 PROCESS EQUIPMENT DATA SHEET - 10-D-5513 - MI Class 1 Purpose\*\* IFR IFD 25/03/2019 Issue Plan 18/02/2019 Revised Plan Issue Actual 10/01/2019 01/02/2019 TPSK-LSPA1-T-PE-0061 TPSK-LSPA1-T-PE-0078 Transmittal no Return Date 24/01/2019 13/03/2019 Owner Cmmt\* R2 R1 PE OL1-2G30-5515 PROCESS EQUIPMENT DATA SHEET - 10-D-5515 - ME Class 1 IFR IFD Purpose\*\* Issue Plan 18/02/2019 25/03/2019 Revised Plan Issue Actual 20/12/2018 14/03/2019 TPSK-LSPA1-T-PE-010 29/03/2019 Return Date 24/01/2019 Owner Cmmt PE OL1-2G30-5520 PROCESS EQUIPMENT DATA SHEET - 10-D-5520 - VE Class 1 IFR IFD Issue Plan 18/02/2019 25/03/2019 Revised Plan Issue Actual 26/11/2018 15/02/2019 TPSK-LSPA1-T-PE-00365 TPSK-LSPA1-T-PE-00856 Transmittal no. 13/12/2018 13/03/2019 Return Date Owner Cmmt\* PE OL1-2G30-5521 PROCESS EQUIPMENT DATA SHEET - 10-PK-5520 - LI Class 1 CAN Purpose\*\* Issue Plan Revised Plan Issue Actual 19/11/2018 20/03/2019 Transmittal no TPSK-LSPA1-T-PE-00332 TPSK-LSPA1-T-PE-01112 Return Date 06/12/2018 10/04/2019 Owner Cmmt PE OL1-2G30-5522 Process Equipment Datasheet - 10-C-5520 A-B - LP Class Final IFR IFD 07/12/2018 02/01/2019 Issue Plan Revised Plan Issue Actual 20/12/2018 11/02/2019 TPSK-LSPA1-T-PE-00528 TPSK-LSPA1-T-PE-00837 Transmittal no. 24/01/2019 13/03/2019 Owner Cmmt\* R2 R1 PE OL1-2G30-5550 PROCESS EQUIPMENT DATA SHEET - 10-D-5550 - HP Class 1 Purpose\*\* IFR IFD IFD Issue Plan 18/02/2019 25/03/2019 Revised Plan 08/10/2018 07/12/2018 11/03/2019 Issue Actual TPSK-LSPA1-T-PE-00142 TPSK-LSPA1-T-PE-00440 TPSK-LSPA1-T-PE-010 Transmittal no Return Date 26/10/2018 04/01/2019 27/03/2019 Owner Cmmt\* PE OL1-2G30-5551 PROCESS EQUIPMENT DATA SHEET - 10-P-5550 - HP Class 1 IFR Purpose\*\* Α 11/03/2019 Issue Plan 01/04/2019 Revised Plan 27/12/2018 30/01/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-00569 TPSK-LSPA1-T-PE-00774 24/01/2019 05/03/2019 Owner Cmmt PE OL1-2G30-5552 PROCESS EQUIPMENT DATA SHEET - 10-D-5552 - LP Class 1 Purpose\*\* IFR IFD IFD Α Issue Plan 18/02/2019 25/03/2019 Revised Plan 07/12/2018 07/03/2019 04/04/2019 Issue Actual TPSK-LSPA1-T-PE-00439 TPSK-LSPA1-T-PE-01260 Transmittal no. Return Date 27/12/2018 27/03/2019 Owner Cmmt\* R2 R2 PE OL1-2G30-5553 PROCESS EQUIPMENT DATA SHEET - 10-E-5552 - LPC Class 1 Purpose\*\* IFR Issue Plan 18/02/2019 18/03/2019 Revised Plan Issue Actual 10/01/2019 14/03/2019 Transmittal no. TPSK-LSPA1-T-PE-00622 TPSK-LSPA1-T-PE-01054 04/02/2019 Return Date 29/03/2019 Owner Cmmt\* PE OL1-2G30-5555 Process Equipment Datasheet - 10-D-5553 - LPG Va Class Final Purpose\*\* IFR IFD Issue Plan 18/02/2019 25/03/2019 Revised Plan 10/01/2019 11/03/2019 Issue Actual

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*Owner Feedback (Comment) \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review R1 = No comments R2 = Comments as noted IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation A1 = App. w/o comments LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days **Document Name** Classification Transmittal no. TPSK-LSPA1-T-PE-00619 TPSK-LSPA1-T-PE-01018 04/02/2019 27/03/2019 Return Date Owner Cmmt\* PE OL1-2G30-5560 PROCESS EQUIPMENT DATA SHEET - 10-PK-5560 - H Class 1 Purpose\*\* IFR IFD Issue Plan 07/12/2018 02/01/2019 Revised Plan 07/03/2019 29/11/2018 Issue Actual TPSK-LSPA1-T-PE-00398 TPSK-LSPA1-T-PE-01007 Transmittal no. Return Date 13/12/2018 29/03/2019 Owner Cmmt\* R2 R2 PE OL1-2G30-5565 PROCESS EQUIPMENT DATA SHEET-10-D-5565 - LLI Class 1 Purpose\*\* Issue Plan 18/02/2019 25/03/2019 Revised Plan Issue Actual 20/12/2018 05/03/2019 Transmittal no TPSK-LSPA1-T-PE-00558 TPSK-LSPA1-T-PE-00989 Return Date 22/01/2019 21/03/2019 Owner Cmmt PE OL1-2G30-5566 Process Equipment Datasheet - 10-P-5565 A-B - Po Class Final Purpose\*\* IFR Issue Plan 11/03/2019 Revised Plan Issue Actual 10/01/2019 TPSK-LSPA1-T-PE-00623 Transmittal no Return Date 04/02/2019 Owner Cmmt\* PE OL1-2G30-5570 PROCESS EQUIPMENT DATA SHEET - 10-PK-5570 - El Class 1 IFR IFD Purpose\*\* Issue Plan 07/12/2018 02/01/2019 Revised Plan Issue Actual 01/03/2019 11/04/2019 Transmittal no TPSK-LSPA1-T-PE-00959 Return Date 21/03/2019 Owner Cmmt PE OL1-2G30-5600 PROCESS EQUIPMENT DATA SHEET - 10-PIT-5600 - P Class 1 IFR IFD IFD Purpose\*\* Α Issue Plan 20/12/2018 07/01/2019 Revised Plan Issue Actual 07/01/2019 11/02/2019 04/03/2019 TPSK-LSPA1-T-PE-00589 TPSK-LSPA1-T-PE-00838 TPSK-LSPA1-T-PE-00982 Transmittal no. 27/03/2019 04/02/2019 13/03/2019 Return Date Owner Cmmt\* PE OL1-2G30-5601 PROCESS EQUIPMENT DATA SHEET - 10-PIT-5601 - B Class 1 IFR IFD IFD Purpose\*\* Issue Plan 20/12/2018 07/01/2019 Revised Plan 07/01/2019 Issue Actual 07/02/2019 04/03/2019 Transmittal no TPSK-LSPA1-T-PE-00589 TPSK-LSPA1-T-PE-00819 TPSK-LSPA1-T-PE-00982 Return Date 04/02/2019 27/03/2019 13/03/2019 Owner Cmmt R1 PE OL1-2G30-5602 PROCESS EQUIPMENT DATA SHEET - 10-PIT-5602 - C Class 1 IFR IFD IFD 20/12/2018 07/01/2019 Issue Plan Revised Plan 07/01/2019 07/02/2019 Issue Actual 04/03/2019 TPSK-LSPA1-T-PE-00589 TPSK-LSPA1-T-PE-00819 Transmittal no. TPSK-LSPA1-T-PE-00982 04/02/2019 27/03/2019 Return Date Owner Cmmt\* R2 R2 R1 PE OL1-2G30-5603 PROCESS EQUIPMENT DATA SHEET - 10-PIT-5603 - Q Class 1 Purpose\*\* IFR IFD IFD Issue Plan 20/12/2018 07/01/2019 Revised Plan 07/01/2019 07/02/2019 04/03/2019 Issue Actual TPSK-LSPA1-T-PE-00589 TPSK-LSPA1-T-PE-00819 TPSK-LSPA1-T-PE-0098 Transmittal no Return Date 04/02/2019 27/03/2019 13/03/2019 Owner Cmmt\* PE OL1-2G30-5604 PROCESS EQUIPMENT DATA SHEET - 10-PIT-5604 - P Class 1 IFR Purpose\*\* Α Issue Plan 20/12/2018 07/01/2019 Revised Plan 07/01/2019 07/02/2019 Issue Actual 04/03/2019 Transmittal no TPSK-LSPA1-T-PE-00589 | TPSK-LSPA1-T-PE-00819 | TPSK-LSPA1-T-PE-00982 04/02/2019 27/03/2019 13/03/2019 Return Date Owner Cmmt R2 PE OL1-2G30-5605 PROCESS EQUIPMENT DATA SHEET - 10-PIT-5605 - F Class 1 Purpose\*\* IFR IFD IFD Α С Issue Plan 20/12/2018 07/01/2019 Revised Plan 07/01/2019 07/02/2019 04/03/2019 Issue Actual TPSK-LSPA1-T-PE-00589 TPSK-LSPA1-T-PE-00819 Transmittal no. Return Date 04/02/2019 27/03/2019 13/03/2019 Owner Cmmt\* R2 R2 R1 PE OL1-2G30-5606 PROCESS EQUIPMENT DATA SHEET - 10-P-5600 - PY Class 1 Purpose\*\* IFR Issue Plan 11/03/2019 01/04/2019 Revised Plan Issue Actual 03/01/2019 31/01/2019 14/03/2019 Transmittal no. 04/03/2019 02/04/2019 Return Date 22/01/2019 Owner Cmmt\* PE OL1-2G30-5607 PROCESS EQUIPMENT DATA SHEET - 10-P-5601 - BU Class 1 Purpose\*\* IFR IFD Issue Plan 11/03/2019 01/04/2019 Revised Plan 03/01/2019 30/01/2019 Issue Actual

ABBREVIATION DOCUMENT NO. \*Owner Feedback (Comment) \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review R1 = No comments R2 = Comments as noted IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation A1 = App. w/o comments LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days **Document Name** Classification Transmittal no. TPSK-LSPA1-T-PE-00572 TPSK-LSPA1-T-PE-00774 22/01/2019 05/03/2019 Return Date Owner Cmmt\* PE OL1-2G30-5608 PROCESS EQUIPMENT DATA SHEET - 10-P-5602 - QV Class 1 Purpose\*\* IFR IFD Issue Plan 11/03/2019 01/04/2019 Revised Plan 03/01/2019 30/01/2019 Issue Actual TPSK-LSPA1-T-PE-00572 TPSK-LSPA1-T-PE-00774 Transmittal no. Return Date 22/01/2019 05/03/2019 Owner Cmmt\* R1 R1 PE OL1-2G30-5609 PROCESS EQUIPMENT DATA SHEET - 10-P-5603 - CG Class 1 Purpose\*\* Issue Plan 11/03/2019 01/04/2019 Revised Plan Issue Actual 03/01/2019 30/01/2019 Transmittal no TPSK-LSPA1-T-PE-00572 TPSK-LSPA1-T-PE-00774 Return Date 22/01/2019 05/03/2019 Owner Cmmt PE OL1-2G30-5610 PROCESS EQUIPMENT DATA SHEET - 10-PIT-5610 - H Class 1 Purpose\*\* IFR IFD 07/01/2019 Issue Plan 20/12/2018 Revised Plan Issue Actual 07/01/2019 08/04/2019 TPSK-LSPA1-T-PE-00589 TPSK-LSPA1-T-PE-01281 Transmittal no Return Date 04/02/2019 Owner Cmmt\* PE OL1-2G30-5611 PROCESS EQUIPMENT DATA SHEET - 10-P-5610 - HY Class 1 IFR IFD Purpose\*\* Issue Plan 11/03/2019 01/04/2019 Revised Plan Issue Actual 07/01/2019 14/03/2019 TPSK-LSPA1-T-PE-00590 TPSK-LSPA1-T-PE-0105 Return Date 24/01/2019 02/04/2019 Owner Cmmt\* PE OL1-2G30-5612 PROCESS EQUIPMENT DATA SHEET - 10-F-5610 - HY Class 1 IFR IFD IFD Purpose\*\* Issue Plan 07/12/2018 02/01/2019 Revised Plan Issue Actual 10/12/2018 07/03/2019 04/04/2019 Transmittal no. 27/03/2019 11/03/2019 Return Date Owner Cmmt\* PE OL1-2G30-5613 PROCESS EQUIPMENT DATA SHEET - 10-P-5604 - RE Class 1 IFR IFD Purpose\*\* Issue Plan 11/03/2019 01/04/2019 Revised Plan 03/01/2019 Issue Actual 30/01/2019 Transmittal no TPSK-LSPA1-T-PE-00572 TPSK-LSPA1-T-PE-00774 Return Date 22/01/2019 05/03/2019 Owner Cmmt PE OL1-2G30-5614 PROCESS EQUIPMENT DATA SHEET - 10-P-5605 - FU Class 1 IFR IFD 11/03/2019 01/04/2019 Issue Plan Revised Plan 03/01/2019 Issue Actual 31/01/2019 Transmittal no. TPSK-LSPA1-T-PE-00572 TPSK-LSPA1-T-PE-00779 22/01/2019 04/03/2019 Return Date Owner Cmmt\* R1 R1 PE OL1-2G30-5615 PROCESS EQUIPMENT DATA SHEET - 10-PIT-5615 - Q Class 1 Purpose\*\* IFR IFD IFD Issue Plan 20/12/2018 07/01/2019 Revised Plan 01/03/2019 11/01/2019 14/03/2019 Issue Actual TPSK-LSPA1-T-PE-00636 TPSK-LSPA1-T-PE-00960 TPSK-LSPA1-T-PE-0106 Transmittal no Return Date 04/02/2019 14/03/2019 02/04/2019 Owner Cmmt\* PE OL1-2G30-5616 PROCESS EQUIPMENT DATA SHEET - 10-P-5615 - OL Class 1 IFR Purpose\*\* Α 11/03/2019 Issue Plan 01/04/2019 Revised Plan 30/01/2019 Issue Actual 03/01/2019 Transmittal no TPSK-LSPA1-T-PE-00576 TPSK-LSPA1-T-PE-00774 22/01/2019 05/03/2019 Owner Cmmt PE OL1-2G30-5620 PROCESS EQUIPMENT DATA SHEET - 10-PIT-5620 - Q Class 1 Purpose\*\* IFR IFD IFD Α Issue Plan 20/12/2018 07/01/2019 Revised Plan 07/01/2019 01/03/2019 14/03/2019 Issue Actual TPSK-LSPA1-T-PE-00589 Transmittal no. Return Date 04/02/2019 14/03/2019 02/04/2019 Owner Cmmt\* R2 R2 R1 PE OL1-2G30-5621 PROCESS EQUIPMENT DATA SHEET - 10-P-5621 - OL Class 1 Purpose\*\* IFR IFD Issue Plan 11/03/2019 01/04/2019 Revised Plan Issue Actual 03/01/2019 30/01/2019 11/03/2019 Transmittal no. 05/03/2019 27/03/2019 Return Date 22/01/2019 Owner Cmmt PE OL1-2G30-5622 PROCESS EQUIPMENT DATA SHEET - 10-P-5620 - OL Class 1 Purpose\*\* IFR IFD Issue Plan 11/03/2019 01/04/2019 Revised Plan 11/01/2019 04/04/2019 Issue Actual

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*Owner Feedback (Comment) \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review R1 = No comments R2 = Comments as noted IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation A1 = App. w/o comments LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days **Document Name** Classification TPSK-LSPA1-T-PE-00635 TPSK-LSPA1-T-PE-01255 Transmittal no. 04/02/2019 Return Date Owner Cmmt\* PE OL1-2G30-5623 Process Equipment Datasheet - 10-P-5626 A-B - Gal Class Final Purpose\*\* IFR IFD IFD IFD Issue Plan 11/03/2019 01/04/2019 Revised Plan 03/01/2019 30/01/2019 Issue Actual 25/03/2019 04/04/2019 TPSK-LSPA1-T-PE-00572 TPSK-LSPA1-T-PE-00774 TPSK-LSPA1-T-PE-01152 TPSK-LSPA1-T-PE-01255 Transmittal no. Return Date 22/01/2019 05/03/2019 12/04/2019 Owner Cmmt\* R1 R1 R1 PE OL1-2G30-5624 Process Equipment Datasheet - 10-P-5627 A-B - We Class Final Purpose\*\* Issue Plan 11/03/2019 01/04/2019 Revised Plan Issue Actual 03/01/2019 30/01/2019 25/03/2019 Transmittal no TPSK-LSPA1-T-PE-00572 TPSK-LSPA1-T-PE-00774 TPSK-LSPA1-T-PE-0115 Return Date 22/01/2019 05/03/2019 12/04/2019 Owner Cmmt PE OL1-2G30-5625 PROCESS EQUIPMENT DATA SHEET - 10-PK-5625 - S. Class 1 Purpose\*\* IFR IFD IFD Issue Plan 11/03/2019 01/04/2019 Revised Plan Issue Actual 03/01/2019 30/01/2019 25/03/2019 TPSK-LSPA1-T-PE-0057 TPSK-LSPA1-T-PE-007 Transmittal no Return Date 22/01/2019 05/03/2019 12/04/2019 Owner Cmmt\* R1 R2 R1 PE OL1-2G30-5626 PROCESS EQUIPMENT DATA SHEET - 10-PK-5626 - S Class 1 IFR IFD IFD Purpose\*\* Issue Plan 20/12/2018 07/01/2019 Revised Plan Issue Actual 07/01/2019 11/02/2019 04/04/2019 Transmittal no TPSK-LSPA1-T-PE-00589 27/03/2019 Return Date 04/02/2019 Owner Cmmt PE OL1-2G30-5627 PROCESS EQUIPMENT DATA SHEET - 10-PK-5627 - S. Class 1 IFR IFD IFD Purpose\*\* Issue Plan 20/12/2018 07/01/2019 Revised Plan Issue Actual 07/01/2019 11/02/2019 04/04/2019 TPSK-LSPA1-T-PE-00589 TPSK-LSPA1-T-PE-00838 TPSK-LSPA1-T-PE-01257 Transmittal no. 27/03/2019 04/02/2019 Return Date Owner Cmmt\* PE OL1-2G30-5628 PROCESS EQUIPMENT DATA SHEET - 10-PK-5628 - S Class 1 IFR IFD Purpose\*\* Issue Plan 20/12/2018 07/01/2019 Revised Plan 07/01/2019 Issue Actual 11/02/2019 04/04/2019 Transmittal no TPSK-LSPA1-T-PE-00589 PSK-LSPA1-T-PE-00838 TPSK-LSPA1-T-PE-01257 Return Date 04/02/2019 27/03/2019 Owner Cmm PE OL1-2G30-5630 PROCESS EQUIPMENT DATA SHEET - 10-PIT-5630 - C Class 1 IFR IFD IFD 20/12/2018 07/01/2019 Issue Plan Revised Plan 07/01/2019 11/02/2019 Issue Actual 04/03/2019 TPSK-LSPA1-T-PE-00589 TPSK-LSPA1-T-PE-00838 Transmittal no. PSK-LSPA1-T-PE-0098 04/02/2019 27/03/2019 Return Date Owner Cmmt\* R2 R2 R1 PE OL1-2G30-5631 PROCESS EQUIPMENT DATA SHEET - 10-PIT-5631 - Class 1 Purpose\*\* IFR IFD IFD Issue Plan 20/12/2018 07/01/2019 Revised Plan 07/01/2019 04/03/2019 11/02/2019 Issue Actual TPSK-LSPA1-T-PE-00589 TPSK-LSPA1-T-PE-00838 TPSK-LSPA1-T-PE-0098 Transmittal no Return Date 04/02/2019 27/03/2019 13/03/2019 Owner Cmmt\* PE OL1-2G30-5632 PROCESS EQUIPMENT DATA SHEET - 10-PIT-5632 - H Class 1 IFR Purpose\*\* Α Issue Plan 20/12/2018 07/01/2019 Revised Plan 07/01/2019 11/02/2019 Issue Actual 04/03/2019 Transmittal no TPSK-LSPA1-T-PE-00589 | TPSK-LSPA1-T-PE-00838 | TPSK-LSPA1-T-PE-00982 04/02/2019 27/03/2019 13/03/2019 Return Date Owner Cmmt R2 PE OL1-2G30-5633 PROCESS EQUIPMENT DATA SHEET - 10-PIT-5633 - H Class 1 Purpose\*\* IFR IFD Α Issue Plan 20/12/2018 07/01/2019 Revised Plan 01/03/2019 11/01/2019 Issue Actual TPSK-LSPA1-T-PE-00636 Transmittal no. Return Date 04/02/2019 14/03/2019 Owner Cmmt\* R2 R1 PE OL1-2G30-5635 PROCESS EQUIPMENT DATA SHEET - 10-P-5630 - CT Class 1 Purpose\*\* IFR Issue Plan 11/03/2019 01/04/2019 Revised Plan Issue Actual 03/01/2019 30/01/2019 Transmittal no. TPSK-LSPA1-T-PE-00572 TPSK-LSPA1-T-PE-00774 05/03/2019 Return Date 22/01/2019 Owner Cmmt PE OL1-2G30-5636 PROCESS EQUIPMENT DATA SHEET - 10-P-5631 - CW Class 1 Purpose\*\* IFR IFD Issue Plan 11/03/2019 01/04/2019 Revised Plan 03/01/2019 30/01/2019 Issue Actual

ABBREVIATION DOCUMENT NO. \*Owner Feedback (Comment) \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information R1 = No comments R2 = Comments as noted Master Document Index (MDI) IFR = Issue For Review IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation A1 = App. w/o comments LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification Transmittal no. TPSK-LSPA1-T-PE-00572 TPSK-LSPA1-T-PE-00774 22/01/2019 05/03/2019 Return Date Owner Cmmt\* PE OL1-2G30-5637 PROCESS EQUIPMENT DATA SHEET - 10-P-5632 - HP Class 1 Purpose\*\* IFR IFD Issue Plan 11/03/2019 01/04/2019 Revised Plan 03/01/2019 11/03/2019 Issue Actual TPSK-LSPA1-T-PE-00576 TPSK-LSPA1-T-PE-01019 Transmittal no. Return Date 22/01/2019 27/03/2019 Owner Cmmt\* R1 R1 PE OL1-2G30-5638 PROCESS EQUIPMENT DATA SHEET - 10-P-5633 - HP Class 1 Purpose\*\* Issue Plan 11/03/2019 01/04/2019 Revised Plan Issue Actual 03/01/2019 11/03/2019 Transmittal no TPSK-LSPA1-T-PE-00576 TPSK-LSPA1-T-PE-01019 Return Date 22/01/2019 27/03/2019 Owner Cmmt PE OL1-2G30-5640 PROCESS EQUIPMENT DATA SHEET - 10-TK-5640 - O Class 1 Purpose\*\* IFR IFD Issue Plan 18/02/2019 18/03/2019 Revised Plan Issue Actual 06/02/2019 27/03/2019 TPSK-LSPA1-T-PE-00809 TPSK-LSPA1-T-PE-01176 Transmittal no Return Date 15/03/2019 Owner Cmmt\* R1 PE OL1-2G30-5641 PROCESS EQUIPMENT DATA SHEET - 10-P-5641 - W/ Class 1 IFR IFD Purpose\*\* Issue Plan 11/03/2019 01/04/2019 Revised Plan Issue Actual 06/02/2019 25/03/2019 TPSK-LSPA1-T-PE-00810 TPSK-LSPA1-T-PE-0115 15/03/2019 Return Date 12/04/2019 Owner Cmmt\* PE OL1-2G30-5642 PROCESS EQUIPMENT DATA SHEET - 10-PIT-5642 - Class 1 IFR Purpose\*\* Issue Plan 20/12/2018 Revised Plan Issue Actual 06/02/2019 TPSK-LSPA1-T-PE-00808 Transmittal no. 15/03/2019 Return Date Owner Cmmt\* PE OL1-2G30-5643 PROCESS EQUIPMENT DATA SHEET - 10-P-5642 - CO Class 1 Purpose\*\* Issue Plan 11/03/2019 Revised Plan 06/02/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-00810 Return Date 15/03/2019 Owner Cmmt PE OL1-2G30-5644 PROCESS EQUIPMENT DATA SHEET - 10-PK-5644 - W Class 1 IFR IFD 13/12/2018 10/01/2019 Issue Plan Revised Plan Issue Actual 06/11/2018 07/12/2018 01/02/2019 TPSK-LSPA1-T-PE-00281 Transmittal no. TPSK-LSPA1-T-PE-00442 TPSK-LSPA1-T-PE-0079 04/01/2019 04/03/2019 Return Date 26/11/2018 Owner Cmmt\* R2 R2 R2 PE OL1-2G30-5645 PROCESS EQUIPMENT DATA SHEET - 10-P-5640 - OIL Class 1 Purpose\*\* IFR IFD Issue Plan 11/03/2019 01/04/2019 Revised Plan 06/02/2019 27/03/2019 Issue Actual TPSK-LSPA1-T-PE-00810 TPSK-LSPA1-T-PE-011 Return Date 15/03/2019 Owner Cmmt\* PE OL1-2G30-5646 Process Equipment Datasheet - 10-PIT-5606 - C3 H Class Final IFR Purpose\*\* Α Issue Plan 20/12/2018 07/01/2019 Revised Plan 07/01/2019 07/02/2019 Issue Actual 04/03/2019 Transmittal no. TPSK-LSPA1-T-PE-00589 | TPSK-LSPA1-T-PE-00819 | TPSK-LSPA1-T-PE-00982 04/02/2019 27/03/2019 13/03/2019 Owner Cmmt R2 PE OL1-2G30-5647 Process Equipment Datasheet - 10-PIT-5607 - Flare Class Final Purpose\*\* IFR IFD IFD Α Issue Plan 20/12/2018 07/01/2019 Revised Plan 07/01/2019 07/02/2019 04/03/2019 Issue Actual TPSK-LSPA1-T-PE-00589 TPSK-LSPA1-T-PE-00819 Transmittal no. Return Date 04/02/2019 27/03/2019 13/03/2019 Owner Cmmt\* R2 R2 R1 PE OL1-2G30-5648 Process Equipment Datasheet - 10-P-5606 A-B - C3 Class Final Purpose\*\* IFR Issue Plan 11/03/2019 01/04/2019 Revised Plan Issue Actual 03/01/2019 30/01/2019 Transmittal no. TPSK-LSPA1-T-PE-00572 TPSK-LSPA1-T-PE-00774 05/03/2019 Return Date 22/01/2019 Owner Cmmt\* PE OL1-2G30-5649 Process Equipment Datasheet - 10-P-5607 A-B - Fla Class Final Purpose\*\* IFR IFD Issue Plan 11/03/2019 01/04/2019 Revised Plan 03/01/2019 31/01/2019 Issue Actual

ABBREVIATION DOCUMENT NO. \*Owner Feedback (Comment) \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information R1 = No comments R2 = Comments as noted Master Document Index (MDI) IFR = Issue For Review IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation A1 = App. w/o comments LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification Transmittal no. TPSK-LSPA1-T-PE-00572 TPSK-LSPA1-T-PE-00779 22/01/2019 04/03/2019 Return Date Owner Cmmt\* PE OL1-2G30-5650 PROCESS EQUIPMENT DATA SHEET - 10-PK-5650 - B Class 1 Purpose\*\* IFR IFD IFD Issue Plan 13/12/2018 10/01/2019 Revised Plan 06/11/2018 07/12/2018 Issue Actual 01/02/2019 TPSK-LSPA1-T-PE-00281 TPSK-LSPA1-T-PE-00442 TPSK-LSPA1-T-PE-00797 Transmittal no. Return Date 26/11/2018 04/01/2019 04/03/2019 Owner Cmmt\* R2 R2 R2 PE OL1-2G30-5653 PROCESS EQUIPMENT DATA SHEET - 10-PK-5655 - W Class 1 IFD Purpose\*\* Issue Plan 20/12/2018 07/01/2019 Revised Plan Issue Actual 06/11/2018 07/12/2018 01/02/2019 Transmittal no TPSK-LSPA1-T-PE-00282 TPSK-LSPA1-T-PE-00441 TPSK-LSPA1-T-PE-0079 Return Date 26/11/2018 04/01/2019 11/03/2019 Owner Cmmt PE OL1-2G30-5654 PROCESS EQUIPMENT DATA SHEET - 10-P-5655 - EQ Class 1 Purpose\*\* IFR IFD Issue Plan 11/03/2019 01/04/2019 Revised Plan Issue Actual 06/02/2019 25/03/2019 TPSK-LSPA1-T-PE-00810 TPSK-LSPA1-T-PE-01152 Transmittal no Return Date 15/03/2019 12/04/2019 Owner Cmmt\* R2 R2 PE OL1-2G30-5655 PROCESS EQUIPMENT DATA SHEET - 10-PIT-5655 - E Class 1 IFR IFD Purpose\*\* Issue Plan 20/12/2018 07/01/2019 Revised Plan Issue Actual 06/02/2019 27/03/2019 Transmittal no TPSK-LSPA1-T-PE-00808 TPSK-LSPA1-T-PE-0117 Return Date 15/03/2019 Owner Cmmt PE OL1-2G30-5656 PROCESS EQUIPMENT DATA SHEET - 10-PIT-5656 - F Class 1 IFR IFD Issue Plan 20/12/2018 07/01/2019 Revised Plan Issue Actual 06/02/2019 27/03/2019 TPSK-LSPA1-T-PE-00808 TPSK-LSPA1-T-PE-01178 Transmittal no. 15/03/2019 Return Date Owner Cmmt\* PE OL1-2G30-5657 PROCESS EQUIPMENT DATA SHEET - 10-P-5656 - FIN Class 1 IFR Purpose\*\* Issue Plan 11/03/2019 Revised Plan 06/02/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-00810 Return Date 15/03/2019 Owner Cmmt PE OL1-2G30-5670 PROCESS EQUIPMENT DATA SHEET - 10-PK-5670 - D Class 1 IFR IFD 13/12/2018 10/01/2019 Issue Plan Revised Plan Issue Actual 06/11/2018 07/12/2018 01/02/2019 TPSK-LSPA1-T-PE-00281 Transmittal no. TPSK-LSPA1-T-PE-00442 TPSK-LSPA1-T-PE-0079 04/01/2019 04/03/2019 Return Date 26/11/2018 Owner Cmmt\* R2 R2 R2 PE OL1-2G30-5674 PROCESS EQUIPMENT DATA SHEET - 10-P-5675 - SL Class 1 Purpose\*\* IFR IFD Issue Plan 11/03/2019 01/04/2019 Revised Plan 06/02/2019 25/03/2019 Issue Actual TPSK-LSPA1-T-PE-00810 TPSK-LSPA1-T-PE-01152 Transmittal no Return Date 15/03/2019 12/04/2019 Owner Cmmt\* PE OL1-2G30-5675 PROCESS EQUIPMENT DATA SHEET - 10-TK-5675 - SI Class 1 IFR Purpose\*\* Α 18/02/2019 Issue Plan 18/03/2019 Revised Plan 06/02/2019 27/03/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-00809 TPSK-LSPA1-T-PE-01176 15/03/2019 Owner Cmmt R2 PE OL1-2G30-5676 PROCESS EQUIPMENT DATA SHEET - 10-TK-5676 - O Class 1 Purpose\*\* IFR IFD Α Issue Plan 18/02/2019 18/03/2019 Revised Plan 06/02/2019 27/03/2019 Issue Actual TPSK-LSPA1-T-PE-00809 TPSK-LSPA1-T-PE-01176 Transmittal no. Return Date 15/03/2019 Owner Cmmt\* R2 PE OL1-2G30-5677 PROCESS EQUIPMENT DATA SHEET - 10-P-5676 - OII Class 1 Purpose\*\* IFR IFD Issue Plan 11/03/2019 01/04/2019 Revised Plan Issue Actual 06/02/2019 25/03/2019 Transmittal no. TPSK-LSPA1-T-PE-00810 TPSK-LSPA1-T-PE-01152 15/03/2019 Return Date 12/04/2019 Owner Cmmt\* PE OL1-2G30-5690 PROCESS EQUIPMENT DATA SHEET - 10-PK-5690 - S Class 1 Purpose\*\* IFR IFD Issue Plan 13/12/2018 10/01/2019 Revised Plan 07/02/2019 08/04/2019 Issue Actual

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*Owner Feedback (Comment) \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review R1 = No comments R2 = Comments as noted IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation A1 = App. w/o comments LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days **Document Name** Classification TPSK-LSPA1-T-PE-00821 TPSK-LSPA1-T-PE-01274 Transmittal no. 14/03/2019 Return Date Owner Cmmt\* PE OL1-2G30-5691 Process Equipment Datasheet - 10-PK-5691 - Slop Class Final Purpose\*\* IFR IFD Issue Plan 10/01/2019 13/12/2018 Revised Plan 07/02/2019 08/04/2019 Issue Actual TPSK-LSPA1-T-PE-00821 TPSK-LSPA1-T-PE-01274 Transmittal no. Return Date 14/03/2019 Owner Cmmt\* R1 PE OL1-2G30-5900 PROCESS EQUIPMENT DATA SHEET - 10-TK-5900 - SI Class 1 Purpose\*\* Issue Plan 18/02/2019 18/03/2019 Revised Plan Issue Actual 26/11/2018 14/01/2019 Transmittal no TPSK-LSPA1-T-PE-00364 TPSK-LSPA1-T-PE-00647 Return Date 17/12/2018 04/02/2019 Owner Cmmt PE OL1-2G30-5901 PROCESS EQUIPMENT DATA SHEET - 10-P-5900 - SU Class 1 Purpose\*\* IFR IFD Issue Plan 11/03/2019 01/04/2019 Revised Plan Issue Actual 28/01/2019 27/03/2019 TPSK-LSPA1-T-PE-00738 TPSK-LSPA1-T-PE-01177 Transmittal no Return Date 04/03/2019 Owner Cmmt\* PE OL1-2G30-5902 Process Equipment Datasheet - 10-P-5901 A-B - Sul Class Final IFR IFD IFD Purpose\*\* Issue Plan 11/03/2019 01/04/2019 Revised Plan Issue Actual 27/12/2018 30/01/2019 21/03/2019 11/04/2019 Transmittal no TPSK-LSPA1-T-PE-00774 05/03/2019 Return Date 24/01/2019 04/04/2019 Owner Cmmt PE OL1-2G30-5905 Process Equipment Datasheet - 10-P-5905 A-B - CTI Class Final IFD IFD Α Issue Plan Revised Plan Issue Actual 21/03/2019 11/04/2019 TPSK-LSPA1-T-PE-01129 TPSK-LSPA1-T-PE-01323 Transmittal no. 04/04/2019 Return Date Owner Cmmt\* PE OL1-2G30-5910 PROCESS EQUIPMENT DATA SHEET - 10-PK-5910 - O Class 1 IFR IFD IFD IFD Purpose\*\* Issue Plan 13/12/2018 10/01/2019 Revised Plan Issue Actual 10/12/2018 25/01/2019 14/03/2019 20/03/2019 Transmittal no TPSK-LSPA1-T-PE-00456 TPSK-LSPA1-T-PE-00727 PSK-LSPA1-T-PE-01063 TPSK-LSPA1-T-PE-0111: Return Date 04/01/2019 04/03/2019 02/04/2019 10/04/2019 Owner Cmmt R2 PE OL1-2G30-5912 PROCESS EQUIPMENT DATA SHEET - 10-PK-5912 - N Class 1 IFR IFD IFD IFD 13/12/2018 10/01/2019 Issue Plan Revised Plan 14/03/2019 Issue Actual 10/12/2018 25/01/2019 20/03/2019 TPSK-LSPA1-T-PE-00456 TPSK-LSPA1-T-PE-00727 TPSK-LSPA1-T-PE-01111 Transmittal no. PSK-LSPA1-T-PE-01063 04/01/2019 04/03/2019 02/04/2019 Return Date Owner Cmmt\* R2 R2 R2 R1 PE OL1-2G30-5914 PROCESS EQUIPMENT DATA SHEET - 10-PK-5914 - P Class 1 Purpose\*\* IFR IFD IFD IFD Issue Plan 13/12/2018 10/01/2019 Revised Plan 14/03/2019 10/12/2018 28/01/2019 20/03/2019 Issue Actual TPSK-LSPA1-T-PE-01063 TPSK-LSPA1-T-PE-01111 TPSK-LSPA1-T-PE-00456 TPSK-LSPA1-T-PE-00739 Transmittal no Return Date 04/01/2019 04/03/2019 02/04/2019 10/04/2019 Owner Cmmt\* PE OL1-2G30-5950 PROCESS EQUIPMENT DATA SHEET - 10-TK-5950 - SC Class 1 IFR Purpose\*\* Α Issue Plan 18/02/2019 18/03/2019 Revised Plan 04/12/2018 14/03/2019 Issue Actual 04/04/2019 Transmittal no TPSK-LSPA1-T-PE-00406 | TPSK-LSPA1-T-PE-01055 | TPSK-LSPA1-T-PE-01258 22/01/2019 29/03/2019 Return Date Owner Cmmt R2 R2 PE OL1-2G30-5951 PROCESS EQUIPMENT DATA SHEET - 10-P-5950 - SO Class 1 Purpose\*\* IFR IFD IFD Α Issue Plan 11/03/2019 01/04/2019 Revised Plan 27/12/2018 21/03/2019 11/04/2019 Issue Actual TPSK-LSPA1-T-PE-00569 TPSK-LSPA1-T-PE-01129 TPSK-LSPA1-T-PE-01323 Transmittal no. Return Date 24/01/2019 04/04/2019 Owner Cmmt\* R2 R2 PE OL1-2G30-5955 Process Equipment Datasheet - 10-P-5955 A-B - CTI Class Final Purpose\*\* IFD Α Issue Plan Revised Plan Issue Actual 21/03/2019 11/04/2019 Transmittal no. TPSK-LSPA1-T-PE-01129 TPSK-LSPA1-T-PE-01323 04/04/2019 Return Date Owner Cmmt PE OL1-4G30-1001 See document number 036909C-1011-PDS-0117- Class Final Purpose\*\* IFR Issue Plan Revised Plan 01/10/2018 Issue Actual

ABBREVIATION Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information DOCUMENT NO. \*\*Revision Purpose of Issued Document LONG SON Master Document Index (MDI) IFR = Issue For Review A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification TPSK-LSPA1-T-PE-00117 Transmittal no. Return Date Owner Cmmt\* PE OL1-4G30-1008 See document number 036909C-1011-PDS-0630- Class Final Purpose\*\* IFR Α Issue Plan Revised Plan Issue Actual 19/09/2018 TPSK-LSPA1-T-PE-00066 Transmittal no. Return Date 11/02/2019 Owner Cmmt\* R1 PE OL1-4G30-1009 See document number 036909C-1011-PDS-0610- Class Final Purpose\*\* Issue Plan Revised Plan Issue Actual 19/09/2018 Transmittal no TPSK-LSPA1-T-PE-00066 Return Date Owner Cmmt PE OL1-4G30-1010 See document number 036909C-1011-PDS-0610- Class Final Purpose\*\* IFR Α Issue Plan Revised Plan Issue Actual 19/09/2018 TPSK-LSPA1-T-PE-000 Transmittal no Return Date Owner Cmmt\* PE OL1-4G30-1011 See document number 036909C-1011-PDS-1040- Class Final IFR Purpose\*\* Issue Plan Revised Plan Issue Actual 26/09/2018 TPSK-LSPA1-T-PE-0009 Return Date 12/10/2018 Owner Cmmt\* PE OL1-4G30-2001 See document number 036909C-1012-PDS-0117- Class Final IFR Α Issue Plan Revised Plan Issue Actual 01/10/2018 TPSK-LSPA1-T-PE-00117 Transmittal no Return Date Owner Cmmt\* PE OL1-4G30-2008 See document number 036909C-1012-PDS-0630- Class Final Purpose\*\* Issue Plan Revised Plan Issue Actual 19/09/2018 Transmittal no TPSK-LSPA1-T-PE-00066 Return Date Owner Cmmt PE OL1-4G30-2009 See document number 036909C-1012-PDS-0610-: Class Final IFR Rev. Issue Plan Α Revised Plan Issue Actual 19/09/2018 TPSK-LSPA1-T-PE-00066 Transmittal no. Owner Cmmt\* PE OL1-4G30-2011 See document number 036909C-1012-PDS-1040- Class Final Purpose\*\* IFR Α Issue Plan Revised Plan 26/09/2018 Issue Actual TPSK-LSPA1-T-PE-0009 Return Date 12/10/2018 Owner Cmmt\* R1 Category Code: G31 Process Instrument Data sheets IFR PE OL1-2G31-1112 ATTEMPERATOR DATA SHEET Class 2 Purpose\*\* IFD Issue Plan 14/12/2018 Revised Plan Issue Actual 29/01/2019 11/04/2019 TPSK-LSPA1-T-PE-00757 B30-TPSK-LSPA1-T-PE-01330 Transmittal no Return Date 26/02/2019 Owner Cmmt\* R1 PE OL1-2G31-1212 ATTEMPERATOR DATA SHEET Class 2 IFR IFD Purpose\*\* Issue Plan 14/12/2018 Revised Plan 29/01/2019 11/04/2019 Issue Actual TPSK-LSPA1-T-PE-00757 B30-TPSK-LSPA1-T-PE-01330 Transmittal no. Return Date 26/02/2019 Owner Cmmt Category Code: G32 Process Safety Valve Data sheets IFR PE OL1-2G32-1101 USC 36M Steam Drum PSV Datasheet -10-PSV-114 Class Final Purpose\*\* Issue Plan Revised Plan 11/03/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-01028 Return Date 02/04/2019 Owner Cmmt PE OL1-2G32-1102 USC 36M Steam Drum PSV Datasheet - 10-PSV-114 Class Final Purpose\*\* Α Issue Plan

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval Class 2 = For Review Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days **Document Name** Classification Revised Plan 11/03/2019 Issue Actual TPSK-LSPA1-T-PE-01028 Return Date 02/04/2019 Owner Cmmt\* PE OL1-2G32-1103 USC 36M Superheater Outlet PSV Datasheet - 10-PS Class Final IFR Purpose\*\* Issue Plan Revised Plan 11/03/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-01028 02/04/2019 Owner Cmmt\* PE OL1-2G32-1201 USC 132U Steam Drum PSV Datasheet - 10-PSV-124 Class Final Purpose\*\* IFR Issue Plan Revised Plan 11/03/2019 Issue Actual TPSK-LSPA1-T-PE-01029 Transmittal no Return Date 02/04/2019 Owner Cmmt\* PE OL1-2G32-1202 USC 132U Steam Drum PSV Datasheet -10-PSV-124 Class Final IFR Purpose\*\* Issue Plan Issue Actual 11/03/2019 Transmittal no TPSK-LSPA1-T-PE-01029 Return Date 02/04/2019 Owner Cmmt PE OL1-2G32-1203 USC 132U Superheater Outlet PSV Datasheet - 10-P Class Final IFR Α Issue Plan Revised Plan 11/03/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-PE-01029 Return Date Owner Cmmt R2 Category Code: G40 Block Flow Diagram Purpose' PE OL1-2G40-0010 BLOCK FLOW DIAGRAM - OLEFINS UNIT 10 - OVERA Class 2 IFA IFD Α 10/10/2018 Issue Plan Revised Plan 23/08/2018 10/10/2018 Issue Actual TPSK-LSPA1-T-PE-00026 TPSK-LSPA1-T-PE-0015 Transmittal no. Return Date 29/10/2018 27/12/2018 Owner Cmmt\* A3 A3 Category Code: G41 Process Flow Diagrams PE OL1-2G41-0001 PROCESS FLOW DIAGRAM - OLEFINS UNIT 10 - GENI Class 1 IFA IFD Purpose\*\* Issue Plan 10/10/2018 Issue Actual 23/08/2018 10/10/2018 Transmittal no TPSK-LSPA1-T-PE-00026 TPSK-LSPA1-T-PE-00155 27/12/2018 Return Date 29/10/2018 Owner Cmmt\* PE OL1-2G41-0002 PROCESS FLOW DIAGRAM - OLEFINS UNIT 10 - GENI Class 1 IFA IFD Α Issue Plan 10/10/2018 Revised Plan Issue Actual 23/08/2018 10/10/2018 TPSK-LSPA1-T-PE-00026 TPSK-LSPA1-T-PE-00155 Transmittal no Return Date 29/10/2018 27/12/2018 Owner Cmmt\* A3 A3 PE OL1-2G41-1001 PROCESS FLOW DIAGRAM - OLEFINS UNIT 10 - 10 Ft Class 1 Purpose\*\* Issue Plan 10/10/2018 Revised Plan Issue Actual Transmittal no TPSK-LSPA1-T-PE-00026 TPSK-LSPA1-T-PE-0015 Return Date 29/10/2018 27/12/2018 Owner Cmmt\* A3 PE OL1-2G41-1003 PROCESS FLOW DIAGRAM - OLEFINS UNIT 10 - 10 FL Class 1 Purpose\*\* IFA IFD Α Issue Plan 10/10/2018 Revised Plan Issue Actual 23/08/2018 10/10/2018 TPSK-LSPA1-T-PE-00026 TPSK-LSPA1-T-PE-00155 Transmittal no. Return Date 29/10/2018 27/12/2018 Owner Cmmt\* PE OL1-2G41-1101 PROCESS FLOW DIAGRAM - OLEFINS UNIT 10 - 11 FU Class 1 IFA IFD Purpose\*\* Issue Plan 10/10/2018 Revised Plan 23/08/2018 10/10/2018 Issue Actual Transmittal no TPSK-LSPA1-T-PE-00026 TPSK-LSPA1-T-PE-00155 Return Date 29/10/2018 27/12/2018 Owner Cmmt PE OL1-2G41-1201 PROCESS FLOW DIAGRAM - OLEFINS UNIT 10 - 12 FL Class 1 Purpose\*\* IFA IFD Α Issue Plan 10/10/2018 Revised Plan 10/10/2018 Issue Actual 23/08/2018 TPSK-LSPA1-T-PE-00026 TPSK-LSPA1-T-PE-00155 Transmittal no. 29/10/2018 27/12/2018 Owner Cmmt\* PE OL1-2G41-1901 PROCESS FLOW DIAGRAM - OLEFINS UNIT 10 - 19 FL Class 1 Purpose\*\*

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation A1 = App. w/o comments LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days **Document Name** Classification Α 10/10/2018 Issue Plan Revised Plan Issue Actual 23/08/2018 10/10/2018 TPSK-LSPA1-T-PE-00155 Transmittal no. TPSK-LSPA1-T-PE-00026 Return Date 29/10/2018 27/12/2018 Owner Cmmt PE OL1-2G41-1902 PROCESS FLOW DIAGRAM - OLEFINS UNIT 10 - 19 FE Class 1 IFD Purpose\*\* IFA 10/10/2018 Issue Plan Revised Plan 23/08/2018 Issue Actual TPSK-LSPA1-T-PE-00026 TPSK-LSPA1-T-PE-00155 Return Date 29/10/2018 27/12/2018 Owner Cmmt PE OL1-2G41-2001 PROCESS FLOW DIAGRAM - OLEFINS UNIT 10 - 20 Q Class 1 Purpose\*\* IFA IFD Α Issue Plan 10/10/2018 Revised Plan 10/10/2018 Issue Actual 23/08/2018 TPSK-LSPA1-T-PE-00026 TPSK-LSPA1-T-PE-00155 Transmittal no. 29/10/2018 27/12/2018 Owner Cmmt\* PE OL1-2G41-2002 PROCESS FLOW DIAGRAM - OLEFINS UNIT 10 - 20 Q Class 1 Purpose\*\* IFA IFD Issue Plan 10/10/2018 Revised Plan 23/08/2018 Issue Actual Transmittal no. TPSK-LSPA1-T-PE-00026 TPSK-LSPA1-T-PE-00155 Return Date 29/10/2018 27/12/2018 Owner Cmmt PE OL1-2G41-2101 PROCESS FLOW DIAGRAM - OLEFINS UNIT 10 - 21 Q Class 1 Purpose\*\* IFA IFD Α Issue Plan 10/10/2018 Revised Plan Issue Actual 23/08/2018 10/10/2018 Transmittal no TPSK-LSPA1-T-PE-00026 TPSK-LSPA1-T-PE-00155 29/10/2018 27/12/2018 Owner Cmmt\* PE OL1-2G41-2102 PROCESS FLOW DIAGRAM - OLEFINS UNIT 10 - 21 Q Class 1 Purpose\*\* IFA IFD Α Issue Plan 10/10/2018 Revised Plan 10/10/2018 23/08/2018 Issue Actual TPSK-LSPA1-T-PE-00026 Transmittal no Return Date 29/10/2018 27/12/2018 Owner Cmmt\* A3 A3 PE OL1-2G41-2103 PROCESS FLOW DIAGRAM - OLEFINS UNIT 10 - 21 Q Class 1 IFA IFD Purpose\*\* Issue Plan 10/10/2018 Issue Actual 23/08/2018 10/10/2018 Transmittal no TPSK-LSPA1-T-PE-00026 TPSK-LSPA1-T-PE-00155 27/12/2018 Return Date 29/10/2018 Owner Cmmt\* PE OL1-2G41-2201 PROCESS FLOW DIAGRAM - OLEFINS UNIT 10 - 22 C Class 1 IFA IFD Α Issue Plan 10/10/2018 Revised Plan Issue Actual 23/08/2018 10/10/2018 TPSK-LSPA1-T-PE-00026 TPSK-LSPA1-T-PE-00155 Transmittal no Return Date 27/12/2018 Owner Cmmt\* A3 A3 PE OL1-2G41-2301 PROCESS FLOW DIAGRAM - OLEFINS UNIT 10 - 23 C. Class 1 Purpose\*\* Issue Plan 10/10/2018 Revised Plan Issue Actual Transmittal no TPSK-LSPA1-T-PE-00026 TPSK-LSPA1-T-PE-0015 Return Date 29/10/2018 27/12/2018 Owner Cmmt\* A3 PE OL1-2G41-2302 PROCESS FLOW DIAGRAM - OLEFINS UNIT 10 - 23 C Class 1 Purpose\*\* IFA IFD Α Issue Plan 10/10/2018 Revised Plan Issue Actual 23/08/2018 10/10/2018 TPSK-LSPA1-T-PE-00026 TPSK-LSPA1-T-PE-00155 Transmittal no. Return Date 29/10/2018 27/12/2018 Owner Cmmt PE OL1-2G41-2303 PROCESS FLOW DIAGRAM - OLEFINS UNIT 10 - 23 C Class 1 IFA IFD Purpose\*\* Issue Plan 10/10/2018 Revised Plan 23/08/2018 10/10/2018 Issue Actual Transmittal no TPSK-LSPA1-T-PE-00026 TPSK-LSPA1-T-PE-00155 Return Date 29/10/2018 27/12/2018 Owner Cmmt PE OL1-2G41-2304 PROCESS FLOW DIAGRAM - OLEFINS UNIT 10 - 23 C Class Purpose\*\* IFA IFD Α Issue Plan 10/10/2018 Revised Plan Issue Actual 23/08/2018 10/10/2018 TPSK-LSPA1-T-PE-00026 TPSK-LSPA1-T-PE-00155 Transmittal no. 29/10/2018 27/12/2018 Owner Cmmt\* PE OL1-2G41-2305 PROCESS FLOW DIAGRAM - OLEFINS UNIT 10 - 23 C Class 1 Purpose\*\*

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation A1 = App. w/o comments LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days **Document Name** Classification Α 10/10/2018 Issue Plan Revised Plan Issue Actual 23/08/2018 10/10/2018 TPSK-LSPA1-T-PE-00155 Transmittal no. TPSK-LSPA1-T-PE-00026 Return Date 29/10/2018 27/12/2018 Owner Cmmt PE OL1-2G41-2401 PROCESS FLOW DIAGRAM - OLEFINS UNIT 10 - 24 D Class 1 IFD Purpose\*\* IFA 10/10/2018 Issue Plan Revised Plan 23/08/2018 Issue Actual TPSK-LSPA1-T-PE-00026 TPSK-LSPA1-T-PE-00155 Return Date 29/10/2018 27/12/2018 Owner Cmmt PE OL1-2G41-2402 PROCESS FLOW DIAGRAM - OLEFINS UNIT 10 - 24 D Class 1 Purpose\*\* IFA IFD Α Issue Plan 10/10/2018 Revised Plan 10/10/2018 Issue Actual 23/08/2018 TPSK-LSPA1-T-PE-00026 TPSK-LSPA1-T-PE-00155 Transmittal no. 29/10/2018 27/12/2018 Owner Cmmt\* PE OL1-2G41-2403 PROCESS FLOW DIAGRAM - OLEFINS UNIT 10 - 24 D Class 1 Purpose\*\* IFA IFD Issue Plan 10/10/2018 Revised Plan 23/08/2018 Issue Actual Transmittal no. TPSK-LSPA1-T-PE-00026 TPSK-LSPA1-T-PE-00155 Return Date 29/10/2018 27/12/2018 Owner Cmmt PE OL1-2G41-2404 PROCESS FLOW DIAGRAM - OLEFINS UNIT 10 - 24 D Class 1 Purpose\*\* IFA IFD Α Issue Plan 10/10/2018 Revised Plan Issue Actual 23/08/2018 10/10/2018 Transmittal no TPSK-LSPA1-T-PE-00026 TPSK-LSPA1-T-PE-00155 29/10/2018 27/12/2018 Owner Cmmt\* PE OL1-2G41-2405 PROCESS FLOW DIAGRAM - OLEFINS UNIT 10 - 24 D Class 1 Purpose\*\* IFA IFD Α Issue Plan 10/10/2018 Revised Plan 10/10/2018 23/08/2018 Issue Actual TPSK-LSPA1-T-PE-00026 Transmittal no Return Date 29/10/2018 27/12/2018 Owner Cmmt\* A3 A3 PE OL1-2G41-2501 PROCESS FLOW DIAGRAM - OLEFINS UNIT 10 - 25 C Class 1 IFA IFD Purpose\*\* Issue Plan 10/10/2018 Issue Actual 23/08/2018 10/10/2018 Transmittal no TPSK-LSPA1-T-PE-00026 TPSK-LSPA1-T-PE-00155 27/12/2018 Return Date 29/10/2018 Owner Cmmt\* PE OL1-2G41-2502 PROCESS FLOW DIAGRAM - OLEFINS UNIT 10 - 25 C Class 1 IFA IFD Α Issue Plan 10/10/2018 Revised Plan Issue Actual 23/08/2018 10/10/2018 TPSK-LSPA1-T-PE-00026 TPSK-LSPA1-T-PE-00155 Transmittal no Return Date 27/12/2018 Owner Cmmt\* A3 A3 PE OL1-2G41-2503 PROCESS FLOW DIAGRAM - OLEFINS UNIT 10 - 25 C Class 1 Purpose\*\* Issue Plan 10/10/2018 Revised Plan Issue Actual Transmittal no TPSK-LSPA1-T-PE-00026 TPSK-LSPA1-T-PE-0015 Return Date 29/10/2018 27/12/2018 Owner Cmmt\* A3 PE OL1-2G41-2504 PROCESS FLOW DIAGRAM - OLEFINS UNIT 10 - 25 C Class 1 Purpose\*\* IFA IFD Α Issue Plan 10/10/2018 Revised Plan Issue Actual 23/08/2018 10/10/2018 TPSK-LSPA1-T-PE-00026 TPSK-LSPA1-T-PE-00155 Transmittal no. Return Date 29/10/2018 27/12/2018 Owner Cmmt PE OL1-2G41-2505 PROCESS FLOW DIAGRAM - OLEFINS UNIT 10 - 25 C Class 1 IFA IFD Purpose\*\* Issue Plan 10/10/2018 Revised Plan 23/08/2018 10/10/2018 Issue Actual Transmittal no TPSK-LSPA1-T-PE-00026 TPSK-LSPA1-T-PE-00155 Return Date 29/10/2018 27/12/2018 Owner Cmmt PE OL1-2G41-2506 PROCESS FLOW DIAGRAM - OLEFINS UNIT 10 - 25 C Class Purpose\*\* IFA IFD Α Issue Plan 10/10/2018 Revised Plan Issue Actual 23/08/2018 10/10/2018 TPSK-LSPA1-T-PE-00026 TPSK-LSPA1-T-PE-00155 Transmittal no. 29/10/2018 27/12/2018 Owner Cmmt\* PE OL1-2G41-2601 PROCESS FLOW DIAGRAM - OLEFINS UNIT 10 - 26 H Class 1 Purpose\*\*

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation A1 = App. w/o comments LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days **Document Name** Classification Α 10/10/2018 Issue Plan Revised Plan Issue Actual 23/08/2018 10/10/2018 TPSK-LSPA1-T-PE-00155 Transmittal no. TPSK-LSPA1-T-PE-00026 Return Date 29/10/2018 27/12/2018 Owner Cmmt PE OL1-2G41-2602 PROCESS FLOW DIAGRAM - OLEFINS UNIT 10 - 26 H Class 1 IFD Purpose\*\* IFA 10/10/2018 Issue Plan Revised Plan 23/08/2018 Issue Actual TPSK-LSPA1-T-PE-00026 TPSK-LSPA1-T-PE-00155 Return Date 29/10/2018 27/12/2018 Owner Cmmt PE OL1-2G41-2603 PROCESS FLOW DIAGRAM - OLEFINS UNIT 10 - 26 H Class 1 Purpose\*\* IFA IFD Α Issue Plan 10/10/2018 Revised Plan 10/10/2018 Issue Actual 23/08/2018 TPSK-LSPA1-T-PE-00026 TPSK-LSPA1-T-PE-00155 Transmittal no. 29/10/2018 27/12/2018 Owner Cmmt\* PE OL1-2G41-2604 PROCESS FLOW DIAGRAM - OLEFINS UNIT 10 - 26 H Class 1 Purpose\*\* IFA IFD Issue Plan 10/10/2018 Revised Plan 23/08/2018 Issue Actual Transmittal no. TPSK-LSPA1-T-PE-00026 TPSK-LSPA1-T-PE-00155 Return Date 29/10/2018 27/12/2018 Owner Cmmt PE OL1-2G41-2701 PROCESS FLOW DIAGRAM - OLEFINS UNIT 10 - 27 G Class 1 Purpose\*\* IFA IFD Α Issue Plan 10/10/2018 Revised Plan Issue Actual 23/08/2018 10/10/2018 Transmittal no TPSK-LSPA1-T-PE-00026 TPSK-LSPA1-T-PE-00155 29/10/2018 27/12/2018 Owner Cmmt\* PE OL1-2G41-2702 PROCESS FLOW DIAGRAM - OLEFINS UNIT 10 - 27 G Class 1 Purpose\*\* IFA IFD Α Issue Plan 10/10/2018 Revised Plan 11/10/2018 23/08/2018 Issue Actual TPSK-LSPA1-T-PE-00026 Transmittal no Return Date 29/10/2018 27/12/2018 Owner Cmmt\* A3 A3 PE OL1-2G41-2703 PROCESS FLOW DIAGRAM - OLEFINS UNIT 10 - 27 G Class 1 IFA IFD Purpose\*\* Issue Plan 10/10/2018 Issue Actual 23/08/2018 10/10/2018 Transmittal no TPSK-LSPA1-T-PE-00026 TPSK-LSPA1-T-PE-00155 27/12/2018 Return Date 29/10/2018 Owner Cmmt\* PE OL1-2G41-2704 PROCESS FLOW DIAGRAM - OLEFINS UNIT 10 - 27 G Class 1 IFA IFD Α Issue Plan 10/10/2018 Revised Plan Issue Actual 23/08/2018 10/10/2018 TPSK-LSPA1-T-PE-00026 TPSK-LSPA1-T-PE-00155 Transmittal no Return Date 27/12/2018 Owner Cmmt\* A3 A3 PE OL1-2G41-2801 PROCESS FLOW DIAGRAM - OLEFINS UNIT 10 - 28 R Class 1 Purpose\*\* Issue Plan 10/10/2018 Revised Plan Issue Actual Transmittal no TPSK-LSPA1-T-PE-00026 TPSK-LSPA1-T-PE-0015 Return Date 29/10/2018 27/12/2018 Owner Cmmt\* A3 PE OL1-2G41-2802 PROCESS FLOW DIAGRAM - OLEFINS UNIT 10 - 28 R Class 1 Purpose\*\* IFA IFD Α Issue Plan 10/10/2018 Revised Plan Issue Actual 23/08/2018 10/10/2018 TPSK-LSPA1-T-PE-00026 TPSK-LSPA1-T-PE-00155 Transmittal no. Return Date 29/10/2018 27/12/2018 Owner Cmmt PE OL1-2G41-2803 PROCESS FLOW DIAGRAM - OLEFINS UNIT 10 - 28 R Class 1 IFA IFD Purpose\*\* Issue Plan 10/10/2018 Revised Plan 23/08/2018 10/10/2018 Issue Actual Transmittal no TPSK-LSPA1-T-PE-00026 TPSK-LSPA1-T-PE-00155 Return Date 29/10/2018 27/12/2018 Owner Cmmt PE OL1-2G41-2804 PROCESS FLOW DIAGRAM - OLEFINS UNIT 10 - 28 R Class Purpose\*\* IFA IFD Α Issue Plan 10/10/2018 Revised Plan Issue Actual 23/08/2018 10/10/2018 TPSK-LSPA1-T-PE-00026 TPSK-LSPA1-T-PE-00155 Transmittal no. 29/10/2018 27/12/2018 Owner Cmmt\* PE OL1-2G41-2901 PROCESS FLOW DIAGRAM - OLEFINS UNIT 10 - 29 O Class 1 Purpose\*\*

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation A1 = App. w/o comments LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days **Document Name** Classification Α 10/10/2018 Issue Plan Revised Plan Issue Actual 23/08/2018 10/10/2018 TPSK-LSPA1-T-PE-00155 TPSK-LSPA1-T-PE-00026 Transmittal no. Return Date 29/10/2018 27/12/2018 Owner Cmmt PE OL1-2G41-3001 PROCESS FLOW DIAGRAM - OLEFINS UNIT 10 - 30 C Class 1 IFD Purpose\*\* IFA Α 10/10/2018 Issue Plan Revised Plan 23/08/2018 Issue Actual TPSK-LSPA1-T-PE-00026 TPSK-LSPA1-T-PE-00155 Return Date 29/10/2018 27/12/2018 Owner Cmmt PE OL1-2G41-3002 PROCESS FLOW DIAGRAM - OLEFINS UNIT 10 - 30 C Class 1 Purpose\*\* IFA IFD Α Issue Plan 10/10/2018 Revised Plan 10/10/2018 Issue Actual 23/08/2018 TPSK-LSPA1-T-PE-00026 TPSK-LSPA1-T-PE-00155 Transmittal no. Return Date 29/10/2018 27/12/2018 Owner Cmmt\* A3 PE OL1-2G41-3003 PROCESS FLOW DIAGRAM - OLEFINS UNIT 10 - 30 C Class 1 Purpose\*\* IFA IFD Α Issue Plan 10/10/2018 Revised Plan 23/08/2018 10/10/2018 Issue Actual Transmittal no. TPSK-LSPA1-T-PE-00026 TPSK-LSPA1-T-PE-00155 Return Date 29/10/2018 27/12/2018 Owner Cmmt A3 PE OL1-2G41-3004 PROCESS FLOW DIAGRAM - OLEFINS UNIT 10 - 30 C Class 1 Purpose\*\* IFA IFD Α Issue Plan 10/10/2018 Revised Plan Issue Actual 23/08/2018 10/10/2018 Transmittal no TPSK-LSPA1-T-PE-00026 TPSK-LSPA1-T-PE-00155 29/10/2018 27/12/2018 Return Date Owner Cmmt\* PE OL1-2G41-3005 PROCESS FLOW DIAGRAM - OLEFINS UNIT 10 - 30 C Class 1 Purpose\*\* IFA IFD Α Issue Plan 10/10/2018 Revised Plan 10/10/2018 23/08/2018 Issue Actual TPSK-LSPA1-T-PE-00026 TPSK-LSPA1-T-PE-0015 Transmittal no Return Date 29/10/2018 27/12/2018 Owner Cmmt\* A3 A3 PE OL1-2G41-3101 PROCESS FLOW DIAGRAM - OLEFINS UNIT 10 - 31 C Class 1 IFA IFD Purpose\*\* Issue Plan 10/10/2018 Issue Actual 23/08/2018 10/10/2018 Transmittal no TPSK-LSPA1-T-PE-00026 TPSK-LSPA1-T-PE-00155 27/12/2018 Return Date 29/10/2018 Owner Cmmt\* PE OL1-2G41-3102 PROCESS FLOW DIAGRAM - OLEFINS UNIT 10 - 31 C Class 1 IFA IFD Α Issue Plan 10/10/2018 Revised Plan Issue Actual 23/08/2018 10/10/2018 TPSK-LSPA1-T-PE-00026 TPSK-LSPA1-T-PE-00155 Transmittal no Return Date 29/10/2018 27/12/2018 Owner Cmmt\* A3 A3 PE OL1-2G41-3901 PROCESS FLOW DIAGRAM - OLEFINS UNIT 10 - 39 C Class 1 IFA Purpose\*\* Issue Plan 10/10/2018 Revised Plan Issue Actual Transmittal no TPSK-LSPA1-T-PE-00026 TPSK-LSPA1-T-PE-00155 Return Date 29/10/2018 27/12/2018 Owner Cmmt\* A3 Category Code: G42 Utility Flow Diagrams PE OL1-2G42-5001 UTILITY FLOW DIAGRAM - OLEFINS UNIT 10 - 50 WA Class 1 Purpose\*\* IFA IFD Α Issue Plan 10/10/2018 Revised Plan 23/08/2018 10/10/2018 Issue Actual TPSK-LSPA1-T-PE-00026 Transmittal no Return Date 29/10/2018 27/12/2018 Owner Cmmt A3 A3 PE OL1-2G42-5101 UTILITY FLOW DIAGRAM - OLEFINS UNIT 10 - 51 BFV Class 1 Purpose\*\* Α Issue Plan 10/10/2018 Revised Plan 10/10/2018 Issue Actual 23/08/2018 Transmittal no. TPSK-LSPA1-T-PE-00026 TPSK-LSPA1-T-PE-00155 Return Date 29/10/2018 27/12/2018 Owner Cmmt\* PE OL1-2G42-5102 UTILITY FLOW DIAGRAM - OLEFINS UNIT 10 - 51 BFV Class 1 Purpose\*\* IFA IFD Issue Plan Revised Plan 23/08/2018 10/10/2018 Issue Actual Transmittal no Return Date 29/10/2018 27/12/2018 Owner Cmmt\*

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification PE OL1-2G42-5103 UTILITY FLOW DIAGRAM - OLEFINS UNIT 10 - 51 BFV Class 1 Purpose\*\* IFA IFD Α Issue Plan 10/10/2018 Revised Plan 10/10/2018 Issue Actual 23/08/2018 TPSK-LSPA1-T-PE-00026 TPSK-LSPA1-T-PE-00155 Transmittal no. Return Date 27/12/2018 Owner Cmmt\* A3 A3 PE OL1-2G42-5104 UTILITY FLOW DIAGRAM - OLEFINS UNIT 10 - 51 BFV Class 1 Purpose\*\* Α Issue Plan 10/10/2018 Revised Plan Issue Actual 23/08/2018 10/10/2018 Transmittal no. TPSK-LSPA1-T-PE-00026 TPSK-LSPA1-T-PE-00155 Return Date 29/10/2018 27/12/2018 Owner Cmmt\* A3 PE OL1-2G42-5201 UTILITY FLOW DIAGRAM - OLEFINS UNIT 10 - 52 FUL Class 1 Purpose\*\* IFA IFD Issue Plan 10/10/2018 Revised Plan 23/08/2018 10/10/2018 Issue Actual TPSK-LSPA1-T-PE-00026 Transmittal no Return Date 29/10/2018 27/12/2018 Owner Cmmt\* PE OL1-2G42-5301 UTILITY FLOW DIAGRAM - OLEFINS UNIT 10 - 53 CO Class 1 IFA IFD Purpose\*\* Issue Plan 10/10/2018 Revised Plan Issue Actual 23/08/2018 10/10/2018 Transmittal no TPSK-LSPA1-T-PE-00026 TPSK-LSPA1-T-PE-0015 Return Date 29/10/2018 27/12/2018 Owner Cmmt\* PE OL1-2G42-5311 UTILITY FLOW DIAGRAM - OLEFINS UNIT 10 - 53 CO Class 1 IFA IFD Α Issue Plan 10/10/2018 Issue Actual 23/08/2018 10/10/2018 TPSK-LSPA1-T-PE-00026 Return Date 29/10/2018 27/12/2018 Owner Cmmt\* PE OL1-2G42-5401 UTILITY FLOW DIAGRAM - OLEFINS UNIT 10 - 54 AIR Class 1 IFA IFD Purpose\*\* Issue Plan 10/10/2018 Revised Plan 23/08/2018 TPSK-LSPA1-T-PE-00026 Issue Actual 10/10/2018 Transmittal no TPSK-LSPA1-T-PE-0015 Return Date 29/10/2018 27/12/2018 Owner Cmmt\* PE OL1-2G42-5501 UTILITY FLOW DIAGRAM - OLEFINS UNIT 10 - 55 VEN Class 1 Purpose\*\* IFA IFD Α Issue Plan 10/10/2018 Issue Actual 23/08/2018 10/10/2018 TPSK-LSPA1-T-PE-00155 TPSK-LSPA1-T-PE-00026 Transmittal no. Return Date 29/10/2018 27/12/2018 Owner Cmmt\* PE OL1-2G42-5502 UTILITY FLOW DIAGRAM - OLEFINS UNIT 10 - 55 VEN Class 1 IFD IFA Purpose\*\* Issue Plan 10/10/2018 Revised Plan 23/08/2018 10/10/2018 Issue Actual TPSK-LSPA1-T-PE-00026 TPSK-LSPA1-T-PE-00155 Return Date 29/10/2018 27/12/2018 Owner Cmmt PE OL1-2G42-5511 UTILITY FLOW DIAGRAM - OLEFINS UNIT 10 - 55 VEN Class 1 IFA IFD Purpose\*\* Α Issue Plan 10/10/2018 Revised Plan 23/08/2018 10/10/2018 Issue Actual Transmittal no. TPSK-LSPA1-T-PE-00026 TPSK-LSPA1-T-PE-00155 Return Date 29/10/2018 27/12/2018 Owner Cmmt\* PE OL1-2G42-5512 UTILITY FLOW DIAGRAM - OLEFINS UNIT 10 - 55 VEN Class 1 Purpose\*\* IFA IFD Α Issue Plan 10/10/2018 Revised Plan 23/08/2018 10/10/2018 Issue Actual Transmittal no Return Date 29/10/2018 27/12/2018 Owner Cmmt\* A3 PE OL1-2G42-5601 UTILITY FLOW DIAGRAM - OLEFINS UNIT 10 - 56 WA Class 1 Purpose\*\* Α Issue Plan 10/10/2018 Revised Plan 10/10/2018 Issue Actual 23/08/2018 Transmittal no. TPSK-LSPA1-T-PE-00026 TPSK-LSPA1-T-PE-00155 Return Date 29/10/2018 27/12/2018 Owner Cmmt\* PE OL1-2G42-5602 UTILITY FLOW DIAGRAM - OLEFINS UNIT 10 - 56 WA Class 1 Purpose\*\* IFA IFD Issue Plan Revised Plan 23/08/2018 10/10/2018 Issue Actual Transmittal no Return Date 29/10/2018 27/12/2018 Owner Cmmt\*

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification PE OL1-2G42-5603 UTILITY FLOW DIAGRAM - OLEFINS UNIT 10 - 56 WA Class 1 Purpose\*\* IFA IFD Α Issue Plan 10/10/2018 Revised Plan 10/10/2018 Issue Actual 23/08/2018 TPSK-LSPA1-T-PE-00026 TPSK-LSPA1-T-PE-00155 Transmittal no. Return Date 27/12/2018 Owner Cmmt\* A3 A3 PE OL1-2G42-5604 UTILITY FLOW DIAGRAM - OLEFINS UNIT 10 - 56 WA Class 1 Purpose\*\* Α Issue Plan 10/10/2018 Revised Plan Issue Actual 23/08/2018 10/10/2018 Transmittal no. TPSK-LSPA1-T-PE-00026 TPSK-LSPA1-T-PE-00155 Return Date 29/10/2018 27/12/2018 Owner Cmmt\* A3 PE OL1-2G42-5610 UTILITY FLOW DIAGRAM - OLEFINS UNIT 10 - 56 WA Class 1 Purpose\*\* IFA IFD Issue Plan 10/10/2018 Revised Plan 23/08/2018 10/10/2018 Issue Actual TPSK-LSPA1-T-PE-00026 Transmittal no Return Date 29/10/2018 27/12/2018 Owner Cmmt\* PE OL1-2G42-5611 UTILITY FLOW DIAGRAM - OLEFINS UNIT 10 - 56 WA Class 1 IFA IFD Purpose\*\* Issue Plan 10/10/2018 Revised Plan Issue Actual 23/08/2018 10/10/2018 Transmittal no TPSK-LSPA1-T-PE-00026 TPSK-LSPA1-T-PE-0015 Return Date 29/10/2018 27/12/2018 Owner Cmmt\* PE OL1-2G42-5612 UTILITY FLOW DIAGRAM - OLEFINS UNIT 10 - 56 WA Class 1 IFA IFD Α Issue Plan 10/10/2018 Issue Actual 23/08/2018 10/10/2018 TPSK-LSPA1-T-PE-00026 Return Date 29/10/2018 27/12/2018 Owner Cmmt\* PE OL1-2G42-5613 UTILITY FLOW DIAGRAM - OLEFINS UNIT 10 - 56 WA Class 1 IFA IFD Purpose\*\* Issue Plan 10/10/2018 Revised Plan 23/08/2018 TPSK-LSPA1-T-PE-00026 Issue Actual 10/10/2018 Transmittal no TPSK-LSPA1-T-PE-0015 Return Date 29/10/2018 27/12/2018 Owner Cmmt\* PE OL1-2G42-5614 UTILITY FLOW DIAGRAM - OLEFINS UNIT 10 - 56 WA Class 1 Purpose\*\* IFA IFD Α Issue Plan 10/10/2018 Issue Actual 23/08/2018 TPSK-LSPA1-T-PE-00026 10/10/2018 TPSK-LSPA1-T-PE-00155 Transmittal no. Return Date 29/10/2018 27/12/2018 Owner Cmmt\* PE OL1-2G42-5615 UTILITY FLOW DIAGRAM - OLEFINS UNIT 10 - 56 WA Class 1 IFD IFA Purpose\*\* Issue Plan 10/10/2018 Revised Plan 23/08/2018 10/10/2018 Issue Actual TPSK-LSPA1-T-PE-00026 TPSK-LSPA1-T-PE-00155 Return Date 29/10/2018 27/12/2018 Owner Cmmt PE OL1-2G42-5616 UTILITY FLOW DIAGRAM - OLEFINS UNIT 10 - 56 WA Class 1 IFA IFD Purpose\*\* Α Issue Plan 10/10/2018 Revised Plan 23/08/2018 10/10/2018 Issue Actual Transmittal no. TPSK-LSPA1-T-PE-00026 TPSK-LSPA1-T-PE-00155 Return Date 29/10/2018 27/12/2018 Owner Cmmt\* PE OL1-2G42-5617 UTILITY FLOW DIAGRAM - OLEFINS UNIT 10 - 56 WA Class 1 Purpose\*\* IFA IFD Α Issue Plan 10/10/2018 Revised Plan 23/08/2018 10/10/2018 Issue Actual Transmittal no Return Date 29/10/2018 27/12/2018 Owner Cmmt\* A3 PE OL1-2G42-5901 UTILITY FLOW DIAGRAM - OLEFINS UNIT 10 - 59 UTI Class 1 Purpose\*\* Α Issue Plan 10/10/2018 Revised Plan 10/10/2018 Issue Actual 23/08/2018 Transmittal no. TPSK-LSPA1-T-PE-00026 TPSK-LSPA1-T-PE-00155 Return Date 29/10/2018 27/12/2018 Owner Cmmt\* PE OL1-2G42-5911 UTILITY FLOW DIAGRAM - OLEFINS UNIT 10 - 59 UTI Class 1 Purpose\*\* IFA IFD Issue Plan Revised Plan 23/08/2018 10/10/2018 Issue Actual Transmittal no Return Date 29/10/2018 27/12/2018 Owner Cmmt\*

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

| Item | Org. | Document No. | Document Name
| Category Code: G43 Process and Instrument Diagrams (P&ID) |
| PE | O(1.326.3-0.001 | P.B.ID, Olefins Unit 10, Common Period for Company's comment Working Days **Document Name** Classification PE OL1-2G43-0001 P&ID - Olefins Unit 10 - Common - Abb IFR IBD Purpose\*\* Issue Plan Revised Plan 27/03/2019 Issue Actual 15/11/2018 Transmittal no TPSK-LSPA1-T-PE-00323 TPSK-LSPA1-T-PE-0118 Return Date 11/02/2019 Owner Cmmt\* PE OL1-2G43-0002 P&ID - Olefins Unit 10 - Common - Piping Symbols Class As built IFR IBD Rev. Α Issue Plan Revised Plan Issue Actual 15/11/2018 27/03/2019 TPSK-LSPA1-T-PE-00323 TPSK-LSPA1-T-PE-01180 Transmittal no Return Date 11/02/2019 Owner Cmmt\* PE OL1-2G43-0003 P&ID - Olefins Unit 10 - Common - Instrumentation Class As built IBD Purpose\*\* Issue Plan Revised Plan 27/03/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-00323 TPSK-LSPA1-T-PE-01180 Return Date 11/02/2019 Owner Cmm PE OL1-2G43-0004 P&ID - Olefins Unit 10 - Common - Equipment Sym IFR IBD Α В Issue Plan Revised Plan Issue Actual 15/11/2018 TPSK-LSPA1-T-PE-00323 TPSK-LSPA1-T-PE-01180 Transmittal no. Return Date 11/02/2019 Owner Cmmt\* PE OL1-2G43-0005 P&ID - Olefins Unit 10 - Common - Equipment Sym Class As built IFR IBD Purpose\*\* Α Issue Plan Revised Plan 15/11/2018 27/03/2019 Issue Actual TPSK-LSPA1-T-PE-00323 TPSK-LSPA1-T-PE-01180 Return Date 11/02/2019 Owner Cmmt\* PE OL1-2G43-0010 P&ID - Olefins Unit 10 - Common - Instrument Deta Class As built IFR Purpose\*\* Α 29/03/2019 Issue Plan 20/02/2019 Revised Plan 15/11/2018 27/03/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-PE-00323 TPSK-LSPA1-T-PE-01180 11/02/2019 Return Date Owner Cmmt PE OL1-2G43-0011 P&ID - Olefins Unit 10 - Common - EIV Block Valves Class As built Purpose\*\* IFR IBD Issue Plan 20/02/2019 29/03/2019 Revised Plan 15/11/2018 27/03/2019 Issue Actual TPSK-LSPA1-T-PE-00323 TPSK-LSPA1-T-PE-01180 Transmittal no. Return Date 11/02/2019 PE OL1-2G43-1001 P&ID - FEED PREPARATION - FURNACE LIQUID FEED Class 2 Owner Cmmt\* IFR Purpose\*\* Α Issue Plan 20/02/2019 29/03/2019 Revised Plan 27/12/2018 Issue Actual 27/03/2019 Transmittal no TPSK-LSPA1-T-PE-00566 TPSK-LSPA1-T-PE-01180 21/02/2019 Return Date Owner Cmmt\* R2 PE OL1-2G43-1002 P&ID - FEED PREPARATION - FURNACE LPG FEED HE Class 2 Purpose\*\* IFR IBD Issue Plan 20/02/2019 29/03/2019 Revised Plan 27/03/2019 27/12/2018 Issue Actual TPSK-LSPA1-T-PE-00566 TPSK-LSPA1-T-PE-01180 Transmittal no Return Date 21/02/2019 Owner Cmmt\* PE OL1-2G43-1003 P&ID - FEED PREPARATION - FURNACE LPG FEED VA Class 2 IFR Purpose\*\* Issue Plan 20/02/2019 29/03/2019 Revised Plan 27/12/2018 27/03/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-00566 TPSK-LSPA1-T-PE-01180 Return Date 21/02/2019 Owner Cmmt PE OL1-2G43-1004 P&ID - FEED PREPARATION - FURNACE LPG FEED SU Class 2 Purpose\*\* IFR IBD Α Issue Plan 20/02/2019 29/03/2019 Revised Plan Issue Actual 27/12/2018 27/03/2019 TPSK-LSPA1-T-PE-00566 Transmittal no TPSK-LSPA1-T-PE-01180 Return Date 21/02/2019 Owner Cmmt\* R2 PE OL1-2G43-1005 P&ID - Olefins Unit 10 - Feed Preparation and Furni Class As built IFR IBD Purpose\*\* Issue Plan 20/02/2019 29/03/2019 Revised Plan Issue Actual 27/12/2018 Transmittal no TPSK-LSPA1-T-PE-00566 TPSK-LSPA1-T-PE-01180 Return Date 21/02/2019

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation A1 = App. w/o comments LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days **Document Name** Classification Owner Cmmt\* R2 PE OL1-2G43-1006 P&ID - Olefins Unit 10 - Feed Preparation And Furn Class As built IBD Purpose\*\* Issue Plan Revised Plan 27/03/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-01180 Return Date Owner Cmmt\* PE OL1-2G43-1023 P&ID - FEED PREPARATION - C2 FEED SUPERHEATER Class 2 IFR IBD Rev. 20/02/2019 29/03/2019 Issue Plan Revised Plan 27/03/2019 Issue Actual 27/12/2018 TPSK-LSPA1-T-PE-00566 TPSK-LSPA1-T-PE-01180 Transmittal no Return Date 21/02/2019 Owner Cmmt\* PE OL1-2G43-1030 P&ID - FEED PREPARATION - CRACKING FURNACE D Class 2 IBD Purpose\*\* 20/02/2019 Issue Plan 29/03/2019 Revised Plan 27/03/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-00566 TPSK-LSPA1-T-PE-01180 Return Date 21/02/2019 Owner Cmm PE OL1-2G43-1031 P&ID - FEED PREPARATION - CRACKING FURNACE D Class 2 IFR IRD Α Issue Plan 20/02/2019 29/03/2019 Revised Plan Issue Actual 27/12/2018 TPSK-LSPA1-T-PE-00566 TPSK-LSPA1-T-PE-01180 Transmittal no. Return Date 21/02/2019 Owner Cmmt\* IFR PE OL1-2G43-1035 P&ID - FEED PREPARATION - CRACKING FURNACE D Class 2 IBD Purpose\*\* Issue Plan 20/02/2019 29/03/2019 Revised Plan 27/12/2018 27/03/2019 Issue Actual TPSK-LSPA1-T-PE-00566 TPSK-LSPA1-T-PE-01180 Return Date 21/02/2019 Owner Cmmt\* PE OL1-2G43-1036 P&ID - FEED PREPARATION - CRACKING FURNACE D Class 2 IFR Purpose\*\* Α 20/02/2019 29/03/2019 Issue Plan Revised Plan 27/12/2018 27/03/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-PE-00566 TPSK-LSPA1-T-PE-01180 21/02/2019 Return Date Owner Cmmt PE OL1-2G43-1101 P&ID - RECYCLE GAS CRACKING FURNACE - ETHANE Class 2 Purpose\*\* IFR IBD Issue Plan 20/02/2019 29/03/2019 Revised Plan 13/02/2019 15/11/2018 Issue Actual TPSK-LSPA1-T-PE-00323 TPSK-LSPA1-T-PE-00850 Transmittal no. Return Date 11/02/2019 10/04/2019 PE OL1-2G43-1105 P&ID - RECYCLE GAS CRACKING FURNACE - DILUTIO Class 2 Owner Cmmt\* R2 R2 IFR Purpose\*\* Α Issue Plan 20/02/2019 29/03/2019 Revised Plan Issue Actual 15/11/2018 13/02/2019 Transmittal no TPSK-LSPA1-T-PE-00323 TPSK-LSPA1-T-PE-00850 11/02/2019 10/04/2019 Return Date Owner Cmmt\* R2 PE OL1-2G43-1106 P&ID - RECYCLE GAS CRACKING FURNACE - DECOKE Class 2 Purpose\*\* IFR IBD Issue Plan 20/02/2019 29/03/2019 Revised Plan 15/11/2018 13/02/2019 Issue Actual TPSK-LSPA1-T-PE-00323 TPSK-LSPA1-T-PE-00850 Transmittal no Return Date 11/02/2019 10/04/2019 Owner Cmmt\* R2 PE OL1-2G43-1107 P&ID - RECYCLE GAS CRACKING FURNACE - FEED- SH Class 2 IFR IBD Purpose\*\* Issue Plan 20/02/2019 29/03/2019 Revised Plan 15/11/2018 13/02/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-00323 TPSK-LSPA1-T-PE-00850 10/04/2019 Return Date 11/02/2019 Owner Cmmt PE OL1-2G43-1108 P&ID - RECYCLE GAS CRACKING FURNACE - FEED- SH Class 2 IFR IBD Α Issue Plan 20/02/2019 29/03/2019 Revised Plan Issue Actual 15/11/2018 13/02/2019 TPSK-LSPA1-T-PE-00323 TPSK-LSPA1-T-PE-00850 Transmittal no Return Date 11/02/2019 10/04/2019 Owner Cmmt\* R2 R2 PE OL1-2G43-1109 P&ID - RECYCLE GAS CRACKING FURNACE - FEED- SH Class 2 IBD Purpose\*\* Issue Plan 20/02/2019 29/03/2019 Revised Plan Issue Actual 15/11/2018 Transmittal no TPSK-LSPA1-T-PE-00323 TPSK-LSPA1-T-PE-00850 Return Date 11/02/2019 10/04/2019

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*Owner Feedback (Comment) \*\*\*Classification LONG SON R1 = No comments R2 = Comments as noted Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation A1 = App. w/o comments LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days **Document Name** Classification Owner Cmmt\* R2 R2 PE OL1-2G43-1110 P&ID - Olefins Unit 10 - Recycle Gas Cracking Furna Class As built IFR IBD Purpose\*\* Α Issue Plan 20/02/2019 29/03/2019 Revised Plan 13/02/2019 Issue Actual 15/11/2018 Transmittal no TPSK-LSPA1-T-PE-00323 TPSK-LSPA1-T-PE-008 Return Date 11/02/2019 10/04/2019 Owner Cmmt\* PE OL1-2G43-1111 P&ID - Olefins Unit 10 - Recycle Gas Cracking Furna Class As built IFR IBD Rev. Α 20/02/2019 29/03/2019 Issue Plan Revised Plan Issue Actual 15/11/2018 13/02/2019 TPSK-LSPA1-T-PE-00323 TPSK-LSPA1-T-PE-0085 Transmittal no Return Date 11/02/2019 10/04/2019 Owner Cmmt\* PE OL1-2G43-1112 P&ID - Olefins Unit 10 - Recycle Gas Cracking Furna Class As built Purpose\*\* IBD 20/02/2019 Issue Plan 29/03/2019 Revised Plan Issue Actual Transmittal no TPSK-LSPA1-T-PE-00323 TPSK-LSPA1-T-PE-0085 Return Date 11/02/2019 10/04/2019 Owner Cmm PE OL1-2G43-1115 PIPING & INSTRUMENT DIAGRAM CRACKING FURN Class 2 IFR IBD Issue Plan 16/11/2018 28/01/2019 Revised Plan Issue Actual 15/11/2018 13/02/2019 TPSK-LSPA1-T-PE-00323 TPSK-LSPA1-T-PE-00850 Transmittal no. Return Date 11/02/2019 10/04/2019 Owner Cmmt\* IFR PE OL1-2G43-1116 PIPING & INSTRUMENT DIAGRAM CRACKING FURN Class 2 IBD Purpose\*\* Issue Plan 16/11/2018 28/01/2019 Revised Plan 15/11/2018 Issue Actual TPSK-LSPA1-T-PE-00323 TPSK-LSPA1-T-PE-00850 Return Date 11/02/2019 10/04/2019 Owner Cmmt\* PE OL1-2G43-1117 PIPING & INSTRUMENT DIAGRAM CRACKING FURN Class 2 IFR IBD Purpose\*\* Α Issue Plan 16/11/2018 28/01/2019 Revised Plan 15/11/2018 13/02/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-PE-00323 TPSK-LSPA1-T-PE-00850 11/02/2019 10/04/2019 Return Date Owner Cmmt PE OL1-2G43-1118 PIPING & INSTRUMENT DIAGRAM CRACKING FURN Class 2 Purpose\*\* IFR IBD Issue Plan 16/11/2018 28/01/2019 Revised Plan 13/02/2019 15/11/2018 Issue Actual TPSK-LSPA1-T-PE-00323 TPSK-LSPA1-T-PE-00850 Transmittal no. Return Date 11/02/2019 10/04/2019 PE OL1-2G43-1119 PIPING & INSTRUMENT DIAGRAM CRACKING FURN Class 2 Owner Cmmt\* R2 IFR Purpose\*\* Α Issue Plan 16/11/2018 28/01/2019 Revised Plan Issue Actual 15/11/2018 13/02/2019 Transmittal no TPSK-LSPA1-T-PE-00323 TPSK-LSPA1-T-PE-00850 11/02/2019 10/04/2019 Return Date Owner Cmmt R2 PE OL1-2G43-1120 PIPING & INSTRUMENT DIAGRAM CRACKING FURN Class 2 Purpose\*\* IFR IBD Issue Plan 16/11/2018 28/01/2019 Revised Plan 15/11/2018 13/02/2019 Issue Actual TPSK-LSPA1-T-PE-00323 TPSK-LSPA1-T-PE-00850 Transmittal no Return Date 11/02/2019 10/04/2019 Owner Cmmt\* R2 PE OL1-2G43-1121 PIPING & INSTRUMENT DIAGRAM CRACKING FURN Class 2 IFR IBD Purpose\*\* Issue Plan 16/11/2018 28/01/2019 Revised Plan 15/11/2018 Issue Actual Transmittal no TPSK-LSPA1-T-PE-00323 TPSK-LSPA1-T-PE-00850 10/04/2019 Return Date 11/02/2019 Owner Cmmt PE OL1-2G43-1125 PIPING & INSTRUMENT DIAGRAM CRACKING FURN Class 2 IFR IBD Α 16/11/2018 28/01/2019 Issue Plan Revised Plan Issue Actual 15/11/2018 13/02/2019 TPSK-LSPA1-T-PE-00323 TPSK-LSPA1-T-PE-00850 Transmittal no Return Date 11/02/2019 10/04/2019 Owner Cmmt\* R2 R2 PE OL1-2G43-1126 P&ID - RECYCLE GAS CRACKING FURNACE - FURNAC Class 2 IBD Purpose\*\* Issue Plan 20/02/2019 29/03/2019 Revised Plan Issue Actual 15/11/2018 Transmittal no TPSK-LSPA1-T-PE-00323 TPSK-LSPA1-T-PE-00850 Return Date 11/02/2019 10/04/2019

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*Owner Feedback (Comment) \*\*\*Classification LONG SON R1 = No comments R2 = Comments as noted Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation A1 = App. w/o comments LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days **Document Name** Classification Owner Cmmt\* R2 R2 PE OL1-2G43-1127 PIPING & INSTRUMENT DIAGRAM CRACKING FURN Class 2 IFR IBD Purpose\*\* Α Issue Plan 16/11/2018 28/01/2019 Revised Plan 13/02/2019 Issue Actual 15/11/2018 Transmittal no TPSK-LSPA1-T-PE-008 Return Date 11/02/2019 10/04/2019 Owner Cmmt\* PE OL1-2G43-1128 PIPING & INSTRUMENT DIAGRAM CRACKING FURN Class 2 IFR IBD Rev. Α 16/11/2018 28/01/2019 Issue Plan Revised Plan 13/02/2019 Issue Actual 15/11/2018 TPSK-LSPA1-T-PE-00323 TPSK-LSPA1-T-PE-0085 Transmittal no Return Date 11/02/2019 10/04/2019 Owner Cmmt\* PE OL1-2G43-1129 PIPING & INSTRUMENT DIAGRAM CRACKING FURN Class 2 Purpose\*\* IBD Issue Plan 16/11/2018 28/01/2019 Revised Plan Issue Actual Transmittal no TPSK-LSPA1-T-PE-00323 TPSK-LSPA1-T-PE-0085 Return Date 11/02/2019 10/04/2019 Owner Cmm PE OL1-2G43-1130 P&ID - RECYCLE GAS CRACKING FURNACE - BOILER | Class 2 IFR IBD Α Issue Plan 20/02/2019 29/03/2019 Revised Plan Issue Actual 15/11/2018 13/02/2019 TPSK-LSPA1-T-PE-00323 TPSK-LSPA1-T-PE-00850 Transmittal no. Return Date 11/02/2019 10/04/2019 Owner Cmmt\* IFR PE OL1-2G43-1131 PIPING & INSTRUMENT DIAGRAM CRACKING FURN Class 2 IBD Purpose\*\* Issue Plan 16/11/2018 28/01/2019 Revised Plan 15/11/2018 Issue Actual TPSK-LSPA1-T-PE-00323 TPSK-LSPA1-T-PE-00850 Return Date 11/02/2019 10/04/2019 Owner Cmmt\* PE OL1-2G43-1135 P&ID - RECYCLE GAS CRACKING FURNACE - FUEL GA Class 2 Purpose\*\* Α 20/02/2019 29/03/2019 Issue Plan Revised Plan 15/11/2018 13/02/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-PE-00323 TPSK-LSPA1-T-PE-00850 11/02/2019 10/04/2019 Return Date Owner Cmmt PE OL1-2G43-1140 PIPING & INSTRUMENT DIAGRAM CRACKING FURN Class 2 Purpose\*\* IFR IBD Issue Plan 16/11/2018 28/01/2019 Revised Plan 13/02/2019 15/11/2018 Issue Actual TPSK-LSPA1-T-PE-00323 TPSK-LSPA1-T-PE-00850 Transmittal no. Return Date 11/02/2019 10/04/2019 PE OL1-2G43-1145 PIPING & INSTRUMENT DIAGRAM CRACKING FURN Class 2 Owner Cmmt\* R2 IFR Purpose\*\* Α Issue Plan 16/11/2018 28/01/2019 Revised Plan Issue Actual 15/11/2018 13/02/2019 Transmittal no TPSK-LSPA1-T-PE-00323 TPSK-LSPA1-T-PE-00850 11/02/2019 10/04/2019 Return Date Owner Cmmt R2 PE OL1-2G43-1150 PIPING & INSTRUMENT DIAGRAM CRACKING FURN Class 2 Purpose\*\* IFR IBD Issue Plan 16/11/2018 28/01/2019 Revised Plan 15/11/2018 13/02/2019 Issue Actual TPSK-LSPA1-T-PE-00323 TPSK-LSPA1-T-PE-00850 Transmittal no Return Date 11/02/2019 10/04/2019 Owner Cmmt\* R2 PE OL1-2G43-1201 P&ID - LIQUID FEED CRACKING FURNACE -C3 LPG F Class 2 IFR IBD Purpose\*\* Issue Plan 20/02/2019 29/03/2019 Revised Plan 15/11/2018 Issue Actual Transmittal no TPSK-LSPA1-T-PE-00323 TPSK-LSPA1-T-PE-00850 10/04/2019 Return Date 11/02/2019 Owner Cmmt PE OL1-2G43-1202 P&ID - LIQUID FEED CRACKING FURNACE -LIQUID F Class 2 IFR IBD Α 20/02/2019 29/03/2019 Issue Plan Revised Plan Issue Actual 15/11/2018 13/02/2019 TPSK-LSPA1-T-PE-00323 TPSK-LSPA1-T-PE-00850 Transmittal no Return Date 11/02/2019 10/04/2019 Owner Cmmt\* R2 R2 PE OL1-2G43-1205 P&ID - LIQUID FEED CRACKING FURNACE - DILUTIO IBD Purpose\*\* Issue Plan 20/02/2019 29/03/2019 Revised Plan Issue Actual 15/11/2018 Transmittal no TPSK-LSPA1-T-PE-00323 TPSK-LSPA1-T-PE-00850 Return Date 11/02/2019 10/04/2019

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days **Document Name** Classification Owner Cmmt\* R2 R2 PE OL1-2G43-1206 P&ID - LIQUID FEED CRACKING FURNACE - DECOKE / Class 2 IFR IBD Purpose\*\* Α Issue Plan 20/02/2019 29/03/2019 Revised Plan 13/02/2019 Issue Actual 15/11/2018 Transmittal no TPSK-LSPA1-T-PE-00323 TPSK-LSPA1-T-PE-008 Return Date 11/02/2019 10/04/2019 Owner Cmmt\* PE OL1-2G43-1207 P&ID - LIQUID FEED CRACKING FURNACE - FEED- SH Class 2 IFR IBD Rev. Α 20/02/2019 29/03/2019 Issue Plan Revised Plan 13/02/2019 Issue Actual 15/11/2018 TPSK-LSPA1-T-PE-00323 TPSK-LSPA1-T-PE-0085 Transmittal no Return Date 11/02/2019 10/04/2019 Owner Cmmt\* PE OL1-2G43-1208 P&ID - LIQUID FEED CRACKING FURNACE - FEED - SH Class 2 Purpose\*\* IBD 20/02/2019 Issue Plan 29/03/2019 Revised Plan Issue Actual Transmittal no TPSK-LSPA1-T-PE-00323 TPSK-LSPA1-T-PE-0085 Return Date 11/02/2019 10/04/2019 Owner Cmm PE OL1-2G43-1209 P&ID - LIQUID FEED CRACKING FURNACE - FEED - SH Class 2 IFR IBD Α Issue Plan 20/02/2019 29/03/2019 Revised Plan Issue Actual 15/11/2018 13/02/2019 TPSK-LSPA1-T-PE-00323 TPSK-LSPA1-T-PE-00850 Transmittal no. Return Date 11/02/2019 10/04/2019 Owner Cmmt\* IFR PE OL1-2G43-1210 P&ID - LIQUID FEED CRACKING FURNACE - FEED- SH Class 2 IBD Purpose\*\* Issue Plan 20/02/2019 29/03/2019 Revised Plan 15/11/2018 Issue Actual TPSK-LSPA1-T-PE-00323 TPSK-LSPA1-T-PE-00850 Return Date 11/02/2019 10/04/2019 Owner Cmmt\* PE OL1-2G43-1211 P&ID - LIQUID FEED CRACKING FURNACE - FEED - SH Class 2 IBD Purpose\*\* Α 20/02/2019 29/03/2019 Issue Plan Revised Plan 15/11/2018 13/02/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-PE-00323 TPSK-LSPA1-T-PE-00850 11/02/2019 10/04/2019 Return Date Owner Cmmt PE OL1-2G43-1212 P&ID - LIQUID FEED CRACKING FURNACE - FEED - SH Class 2 Purpose\*\* IFR IBD Issue Plan 20/02/2019 29/03/2019 Revised Plan 13/02/2019 15/11/2018 Issue Actual TPSK-LSPA1-T-PE-00323 TPSK-LSPA1-T-PE-00850 Transmittal no. Return Date 11/02/2019 10/04/2019 Owner Cmmt\* R2 PE OL1-2G43-1215 PIPING & INSTRUMENT DIAGRAM CRACKING FURN Class 2 IFR Purpose\*\* Α Issue Plan 16/11/2018 28/01/2019 Revised Plan Issue Actual 15/11/2018 13/02/2019 Transmittal no TPSK-LSPA1-T-PE-00323 TPSK-LSPA1-T-PE-00850 11/02/2019 10/04/2019 Return Date Owner Cmmt R2 PE OL1-2G43-1216 PIPING & INSTRUMENT DIAGRAM CRACKING FURN Class 2 Purpose\*\* IFR IBD Issue Plan 16/11/2018 28/01/2019 Revised Plan 15/11/2018 13/02/2019 Issue Actual TPSK-LSPA1-T-PE-00323 TPSK-LSPA1-T-PE-00850 Transmittal no Return Date 11/02/2019 10/04/2019 Owner Cmmt\* R2 PE OL1-2G43-1217 PIPING & INSTRUMENT DIAGRAM CRACKING FURN Class 2 IFR Purpose\*\* IBD Issue Plan 16/11/2018 28/01/2019 Revised Plan 15/11/2018 13/02/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-00323 TPSK-LSPA1-T-PE-00850 10/04/2019 Return Date 11/02/2019 Owner Cmmt PE OL1-2G43-1218 PIPING & INSTRUMENT DIAGRAM CRACKING FURN Class 2 IFR Issue Plan 16/11/2018 Revised Plan Issue Actual 15/11/2018 TPSK-LSPA1-T-PE-00323 Transmittal no Return Date 11/02/2019 Owner Cmmt\* R2 PE OL1-2G43-1218. P&ID - Olefins Unit 10 - Liquid Cracking Furnace 10 Class As built Purpose\*\* Issue Plan Revised Plan Issue Actual 13/02/2019 Transmittal no TPSK-LSPA1-T-PE-00850 Return Date 10/04/2019

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*Owner Feedback (Comment) \*\*\*Classification LONG SON R1 = No comments R2 = Comments as noted Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation A1 = App. w/o comments LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days **Document Name** Classification Owner Cmmt\* R2 PE OL1-2G43-1219 PIPING & INSTRUMENT DIAGRAM CRACKING FURN Class 2 IFR IBD Purpose\*\* Α Issue Plan 16/11/2018 28/01/2019 Revised Plan 13/02/2019 Issue Actual 15/11/2018 Transmittal no TPSK-LSPA1-T-PE-008 Return Date 11/02/2019 10/04/2019 Owner Cmmt\* PE OL1-2G43-1220 PIPING & INSTRUMENT DIAGRAM CRACKING FURN Class 2 IFR IBD Rev. Α 16/11/2018 28/01/2019 Issue Plan Revised Plan 13/02/2019 Issue Actual 15/11/2018 TPSK-LSPA1-T-PE-00323 TPSK-LSPA1-T-PE-0085 Transmittal no Return Date 11/02/2019 10/04/2019 Owner Cmmt\* PE OL1-2G43-1221 PIPING & INSTRUMENT DIAGRAM CRACKING FURN Class 2 Purpose\*\* IBD Issue Plan 16/11/2018 28/01/2019 Revised Plan Issue Actual Transmittal no TPSK-LSPA1-T-PE-00323 TPSK-LSPA1-T-PE-0085 Return Date 11/02/2019 10/04/2019 Owner Cmm PE OL1-2G43-1225 PIPING & INSTRUMENT DIAGRAM CRACKING FURN Class 2 IFR IBD Issue Plan 16/11/2018 28/01/2019 Revised Plan Issue Actual 15/11/2018 13/02/2019 TPSK-LSPA1-T-PE-00323 TPSK-LSPA1-T-PE-00850 Transmittal no. Return Date 11/02/2019 10/04/2019 Owner Cmmt\* IFR PE OL1-2G43-1226 P&ID - LIQUID FEED CRACKING FURNACE -FURNACE Class 2 IBD Purpose\*\* Issue Plan 20/02/2019 29/03/2019 Revised Plan 15/11/2018 Issue Actual TPSK-LSPA1-T-PE-00323 TPSK-LSPA1-T-PE-00850 Return Date 11/02/2019 10/04/2019 Owner Cmmt\* PE OL1-2G43-1227 PIPING & INSTRUMENT DIAGRAM CRACKING FURN Class 2 IFR Purpose\*\* Α Issue Plan 16/11/2018 28/01/2019 Revised Plan 15/11/2018 13/02/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-PE-00323 TPSK-LSPA1-T-PE-00850 11/02/2019 10/04/2019 Return Date Owner Cmmt PE OL1-2G43-1228 PIPING & INSTRUMENT DIAGRAM CRACKING FURN Class 2 Purpose\*\* IFR IBD Issue Plan 16/11/2018 28/01/2019 Revised Plan 13/02/2019 15/11/2018 Issue Actual TPSK-LSPA1-T-PE-00323 TPSK-LSPA1-T-PE-00850 Transmittal no. Return Date 11/02/2019 10/04/2019 Owner Cmmt\* R2 PE OL1-2G43-1229 PIPING & INSTRUMENT DIAGRAM CRACKING FURN Class 2 IFR Purpose\*\* Α Issue Plan 16/11/2018 28/01/2019 Revised Plan Issue Actual 15/11/2018 13/02/2019 Transmittal no TPSK-LSPA1-T-PE-00323 TPSK-LSPA1-T-PE-00850 11/02/2019 10/04/2019 Return Date Owner Cmmt R2 PE OL1-2G43-1230 P&ID - LIQUID FEED CRACKING FURNACE -BOILER F Class 2 Purpose\*\* IFR IBD Issue Plan 20/02/2019 29/03/2019 Revised Plan 15/11/2018 13/02/2019 Issue Actual TPSK-LSPA1-T-PE-00323 TPSK-LSPA1-T-PE-00850 Transmittal no Return Date 11/02/2019 10/04/2019 Owner Cmmt\* R2 PE OL1-2G43-1231 PIPING & INSTRUMENT DIAGRAM CRACKING FURN Class 2 IFR Purpose\*\* IBD Issue Plan 16/11/2018 28/01/2019 Revised Plan 15/11/2018 Issue Actual Transmittal no TPSK-LSPA1-T-PE-00323 TPSK-LSPA1-T-PE-00850 10/04/2019 Return Date 11/02/2019 Owner Cmmt PE OL1-2G43-1235 P&ID - LIQUID FEED CRACKING FURNACE -FUEL GAS Class 2 IFR IBD Α Issue Plan 20/02/2019 29/03/2019 Revised Plan Issue Actual 15/11/2018 13/02/2019 TPSK-LSPA1-T-PE-00323 TPSK-LSPA1-T-PE-00850 Transmittal no Return Date 11/02/2019 10/04/2019 Owner Cmmt\* R2 R2 PE OL1-2G43-1240 PIPING & INSTRUMENT DIAGRAM CRACKING FURN Class 2 IBD Purpose\*\* Issue Plan 16/11/2018 28/01/2019 Revised Plan Issue Actual 15/11/2018 Transmittal no TPSK-LSPA1-T-PE-00323 TPSK-LSPA1-T-PE-00850 Return Date 11/02/2019 10/04/2019

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days **Document Name** Classification Owner Cmmt\* R2 R2 PE OL1-2G43-1245 PIPING & INSTRUMENT DIAGRAM CRACKING FURN Class 2 IFR IBD Purpose\*\* Α Issue Plan 16/11/2018 28/01/2019 Revised Plan 13/02/2019 Issue Actual 15/11/2018 Transmittal no TPSK-LSPA1-T-PE-008 Return Date 11/02/2019 10/04/2019 Owner Cmmt\* PE OL1-2G43-1250 PIPING & INSTRUMENT DIAGRAM CRACKING FURN Class 2 IFR IBD Rev. Α 16/11/2018 28/01/2019 Issue Plan Revised Plan 13/02/2019 Issue Actual 15/11/2018 TPSK-LSPA1-T-PE-00323 TPSK-LSPA1-T-PE-0085 Transmittal no Return Date 11/02/2019 10/04/2019 Owner Cmmt\* PE OL1-2G43-1901 P&ID - FEED PREPARATION & FURNACES AUX - DMC Class 2 Purpose\*\* IBD 20/02/2019 Issue Plan 29/03/2019 Revised Plan 27/03/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-00566 TPSK-LSPA1-T-PE-01180 Return Date 21/02/2019 Owner Cmm PE OL1-2G43-1915 P&ID - FEED PREPARATION & FURNACES AUX - DEC Class 2 IFR Α Issue Plan 20/02/2019 29/03/2019 Revised Plan Issue Actual TPSK-LSPA1-T-PE-00566 TPSK-LSPA1-T-PE-01180 Transmittal no. Return Date 21/02/2019 Owner Cmmt\* IFR PE OL1-2G43-2001 P&ID - QUENCH OIL - QUENCH OIL FRACTIONATOR Class 2 IBD Purpose\*\* Issue Plan 20/02/2019 29/03/2019 Revised Plan 27/12/2018 27/03/2019 Issue Actual TPSK-LSPA1-T-PE-00566 TPSK-LSPA1-T-PE-01180 Return Date 21/02/2019 Owner Cmmt\* PE OL1-2G43-2003 P&ID - QUENCH OIL - QUENCH OIL CIRCULATING PU Class 2 Purpose\*\* Α 20/02/2019 29/03/2019 Issue Plan Revised Plan 27/12/2018 27/03/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-PE-00566 TPSK-LSPA1-T-PE-01180 21/02/2019 Return Date Owner Cmmt PE OL1-2G43-2005 P&ID - QUENCH OIL - QUENCH OIL FILTRATION Purpose\*\* IFR IBD Issue Plan 20/02/2019 29/03/2019 Revised Plan 27/12/2018 27/03/2019 Issue Actual TPSK-LSPA1-T-PE-00566 TPSK-LSPA1-T-PE-01180 Transmittal no. Return Date 21/02/2019 PE OL1-2G43-2006 P&ID - QUENCH OIL - VLP STEAM GENERATION - SHE Class 2 Owner Cmmt\* IFR Purpose\*\* Α Issue Plan 20/02/2019 29/03/2019 Revised Plan 27/12/2018 Issue Actual 27/03/2019 Transmittal no TPSK-LSPA1-T-PE-00566 TPSK-LSPA1-T-PE-01180 21/02/2019 Return Date Owner Cmmt R2 PE OL1-2G43-2007 P&ID - QUENCH OIL - VLP STEAM GENERATION - SHE Class 2 Purpose\*\* IFR Issue Plan 20/02/2019 29/03/2019 Revised Plan 27/12/2018 27/03/2019 Issue Actual TPSK-LSPA1-T-PE-00566 TPSK-LSPA1-T-PE-01180 Transmittal no Return Date 21/02/2019 Owner Cmmt\* PE OL1-2G43-2008 P&ID - Olefins Unit 10 - Quench Oil - VLP Steam Ger Class As built IBD Purpose\*\* Issue Plan Revised Plan Issue Actual Transmittal no TPSK-LSPA1-T-PE-01180 Return Date Owner Cmmt PE OL1-2G43-2020 P&ID - QUENCH OIL - LIGHT FUEL OIL STRIPPER IFR IBD Α Issue Plan 20/02/2019 29/03/2019 Revised Plan Issue Actual 27/12/2018 27/03/2019 TPSK-LSPA1-T-PE-00566 Transmittal no TPSK-LSPA1-T-PE-01180 Return Date 21/02/2019 Owner Cmmt\* R2 PE OL1-2G43-2021 P&ID - QUENCH OIL - FUEL OIL PRODUCT COOLING IBD Purpose\*\* Issue Plan 20/02/2019 29/03/2019 Revised Plan Issue Actual 27/12/2018 Transmittal no TPSK-LSPA1-T-PE-00566 TPSK-LSPA1-T-PE-01180 Return Date 21/02/2019

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval Class 2 = For Review Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days **Document Name** Classification Owner Cmmt\* R2 PE OL1-2G43-2022 P&ID - QUENCH OIL - FUEL OIL FILTRATION IFR IBD Purpose\*\* Α Issue Plan 20/02/2019 29/03/2019 Revised Plan 27/12/2018 27/03/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-01180 Return Date 21/02/2019 Owner Cmmt\* PE OL1-2G43-2025 P&ID - QUENCH OIL - HEAVY FUEL OIL STRIPPER Class 2 IBD IFR Rev. Α 20/02/2019 29/03/2019 Issue Plan Revised Plan 27/03/2019 Issue Actual 27/12/2018 TPSK-LSPA1-T-PE-00566 TPSK-LSPA1-T-PE-01180 Transmittal no Return Date 21/02/2019 Owner Cmmt\* PE OL1-2G43-2026 P&ID - QUENCH OIL - HEAVY FUEL OIL PUMPS IBD Purpose\*\* 20/02/2019 Issue Plan 29/03/2019 Revised Plan 27/03/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-00566 TPSK-LSPA1-T-PE-01180 Return Date 21/02/2019 Owner Cmm PE OL1-2G43-2027 P&ID - QUENCH OIL - HEAVY FUEL OIL PRODUCT CO Class 2 IFR Α Issue Plan 20/02/2019 29/03/2019 Revised Plan Issue Actual 27/12/2018 TPSK-LSPA1-T-PE-00566 TPSK-LSPA1-T-PE-01180 Transmittal no. Return Date 21/02/2019 Owner Cmmt\* IFR PE OL1-2G43-2040 P&ID - QUENCH OIL DRAIN COLLECTION IBD Purpose\*\* Issue Plan 20/02/2019 29/03/2019 Revised Plan 27/12/2018 27/03/2019 Issue Actual TPSK-LSPA1-T-PE-00566 TPSK-LSPA1-T-PE-01180 Return Date 21/02/2019 Owner Cmmt\* PE OL1-2G43-2042 P&ID - QUENCH OIL DRAIN DRUM Purpose\*\* Α 20/02/2019 29/03/2019 Issue Plan Revised Plan 27/12/2018 27/03/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-PE-00566 TPSK-LSPA1-T-PE-01180 21/02/2019 Return Date Owner Cmmt PE OL1-2G43-2101 P&ID - QUENCH WATER / DILUTION STEAM - QUENC Class 2 Purpose\*\* IFR IBD Issue Plan 20/02/2019 29/03/2019 Revised Plan 27/12/2018 29/03/2019 Issue Actual TPSK-LSPA1-T-PE-00566 TPSK-LSPA1-T-PE-01201 Transmittal no. Return Date 21/02/2019 PE OL1-2G43-2102 P&ID - QUENCH WATER / DILUTION STEAM - QUENC Class 2 Owner Cmmt\* IFR Purpose\*\* Α Issue Plan 20/02/2019 29/03/2019 Revised Plan 27/12/2018 Issue Actual 29/03/2019 Transmittal no TPSK-LSPA1-T-PE-00566 TPSK-LSPA1-T-PE-01201 21/02/2019 Return Date Owner Cmmt\* R2 PE OL1-2G43-2104 P&ID - QUENCH WATER / DILUTION STEAM - QUENC Class 2 Purpose\*\* IFR Issue Plan 20/02/2019 29/03/2019 Revised Plan 29/03/2019 27/12/2018 Issue Actual TPSK-LSPA1-T-PE-00566 TPSK-LSPA1-T-PE-01201 Transmittal no Return Date 21/02/2019 Owner Cmmt\* PE OL1-2G43-2106 P&ID - QUENCH WATER / DILUTION STEAM - QUENC Class 2 IFR Purpose\*\* Issue Plan 20/02/2019 29/03/2019 Revised Plan 27/12/2018 29/03/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-00566 TPSK-LSPA1-T-PE-01201 Return Date 21/02/2019 Owner Cmmt PE OL1-2G43-2108 P&ID - QUENCH WATER / DILUTION STEAM - QUENC Class 2 IFR IBD Α Issue Plan 20/02/2019 29/03/2019 Revised Plan Issue Actual 27/12/2018 29/03/2019 TPSK-LSPA1-T-PE-00566 TPSK-LSPA1-T-PE-01201 Transmittal no Return Date 21/02/2019 Owner Cmmt\* R2 PE OL1-2G43-2110 P&ID - QUENCH WATER / DILUTION STEAM - QUENC Class 2 IBD Purpose\*\* Issue Plan 20/02/2019 29/03/2019 Revised Plan Issue Actual 27/12/2018 Transmittal no TPSK-LSPA1-T-PE-00566 TPSK-LSPA1-T-PE-01201 Return Date 21/02/2019

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval Class 2 = For Review Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days **Document Name** Classification Owner Cmmt\* R2 PE OL1-2G43-2115 P&ID - QUENCH WATER / DILUTION STEAM - QUENC Class 2 IFR IBD Purpose\*\* Α Issue Plan 20/02/2019 29/03/2019 Revised Plan 27/12/2018 29/03/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-01201 Return Date 21/02/2019 Owner Cmmt\* PE OL1-2G43-2117 P&ID - QUENCH WATER / DILUTION STEAM - QUENC Class 2 IBD IFR Rev. Α 20/02/2019 29/03/2019 Issue Plan Revised Plan 29/03/2019 Issue Actual 27/12/2018 TPSK-LSPA1-T-PE-00566 TPSK-LSPA1-T-PE-01201 Transmittal no Return Date 21/02/2019 Owner Cmmt\* PE OL1-2G43-2120 P&ID - QUENCH WATER / DILUTION STEAM - DISTILL Class 2 IBD Purpose\*\* 20/02/2019 Issue Plan 29/03/2019 Revised Plan 29/03/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-00566 TPSK-LSPA1-T-PE-01201 Return Date 21/02/2019 Owner Cmm PE OL1-2G43-2122 P&ID - QUENCH WATER / DILUTION STEAM - DISTILI Class 2 IFR Α Issue Plan 20/02/2019 29/03/2019 Revised Plan Issue Actual TPSK-LSPA1-T-PE-00566 TPSK-LSPA1-T-PE-01201 Transmittal no. Return Date 21/02/2019 Owner Cmmt\* IFR PE OL1-2G43-2123 P&ID - QUENCH WATER / DILUTION STEAM - PROCE Class 2 IBD Purpose\*\* Issue Plan 20/02/2019 29/03/2019 Revised Plan 27/12/2018 Issue Actual TPSK-LSPA1-T-PE-00566 TPSK-LSPA1-T-PE-01201 Return Date 21/02/2019 Owner Cmmt\* PE OL1-2G43-2125 P&ID - QUENCH WATER / DILUTION STEAM - PROCE Class 2 Purpose\*\* Α 20/02/2019 29/03/2019 Issue Plan Revised Plan 27/12/2018 29/03/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-PE-00566 TPSK-LSPA1-T-PE-01201 21/02/2019 Return Date Owner Cmmt PE OL1-2G43-2126 P&ID - QUENCH WATER / DILUTION STEAM - PRCOE Class 2 Purpose\*\* IFR IBD Issue Plan 20/02/2019 29/03/2019 Revised Plan 27/12/2018 29/03/2019 Issue Actual TPSK-LSPA1-T-PE-00566 TPSK-LSPA1-T-PE-01201 Transmittal no. Return Date 21/02/2019 PE OL1-2G43-2127 P&ID - QUENCH WATER / DILUTION STEAM - DILUTI Owner Cmmt\* IFR Purpose\*\* Α Issue Plan 20/02/2019 29/03/2019 Revised Plan 27/12/2018 Issue Actual 29/03/2019 Transmittal no TPSK-LSPA1-T-PE-00566 TPSK-LSPA1-T-PE-01201 21/02/2019 Return Date Owner Cmmt\* R2 PE OL1-2G43-2130 P&ID - QUENCH WATER / DILUTION STEAM - DILUTI Class 2 Purpose\*\* IFR Issue Plan 20/02/2019 29/03/2019 Revised Plan 29/03/2019 27/12/2018 Issue Actual TPSK-LSPA1-T-PE-00566 TPSK-LSPA1-T-PE-01201 Transmittal no Return Date 21/02/2019 Owner Cmmt\* PE OL1-2G43-2131 P&ID - QUENCH WATER / DILUTION STEAM - DILUTI Class 2 IFR Purpose\*\* Issue Plan 20/02/2019 29/03/2019 Revised Plan 27/12/2018 29/03/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-00566 TPSK-LSPA1-T-PE-01201 Return Date 21/02/2019 Owner Cmmt PE OL1-2G43-2132 P&ID - QUENCH WATER / DILUTION STEAM - DILUTI Class 2 IFR IBD Α Issue Plan 20/02/2019 29/03/2019 Revised Plan Issue Actual 27/12/2018 29/03/2019 TPSK-LSPA1-T-PE-00566 TPSK-LSPA1-T-PE-01201 Transmittal no Return Date 21/02/2019 Owner Cmmt\* R2 PE OL1-2G43-2134 P&ID - QUENCH WATER / DILUTION STEAM - DILUT IBD Purpose\*\* Issue Plan 20/02/2019 29/03/2019 Revised Plan Issue Actual 27/12/2018 Transmittal no TPSK-LSPA1-T-PE-00566 TPSK-LSPA1-T-PE-01201 Return Date 21/02/2019

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days **Document Name** Classification Owner Cmmt\* R2 PE OL1-2G43-2137 P&ID - QUENCH WATER / DILUTION STEAM - DILUTI Class 2 IFR IBD Purpose\*\* Α Issue Plan 20/02/2019 29/03/2019 Revised Plan 27/12/2018 29/03/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-01201 Return Date 21/02/2019 Owner Cmmt\* PE OL1-2G43-2138 P&ID - QUENCH WATER / DILUTION STEAM - DILUTI IBD IFR Rev. Α 20/02/2019 29/03/2019 Issue Plan Revised Plan 29/03/2019 Issue Actual 27/12/2018 TPSK-LSPA1-T-PE-00566 TPSK-LSPA1-T-PE-01201 Transmittal no Return Date 21/02/2019 Owner Cmmt\* PE OL1-2G43-2201 P&ID - CRACKED GAS COMPRESSION - CRACKED GA Class 2 IBD Purpose\*\* 20/02/2019 Issue Plan 29/03/2019 Revised Plan 29/03/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-00566 TPSK-LSPA1-T-PE-01201 Return Date 21/02/2019 Owner Cmm PE OL1-2G43-2203 P&ID - CRACKED GAS COMPRESSION - CRACKED GA Class 2 IFR Α Issue Plan 20/02/2019 29/03/2019 Revised Plan Issue Actual 27/12/2018 TPSK-LSPA1-T-PE-00566 TPSK-LSPA1-T-PE-01201 Transmittal no. Return Date 21/02/2019 Owner Cmmt\* IFR PE OL1-2G43-2204 P&ID - CRACKED GAS COMPRESSION - CRACKED GA Class 2 IBD Purpose\*\* Issue Plan 20/02/2019 29/03/2019 Revised Plan 27/12/2018 Issue Actual TPSK-LSPA1-T-PE-00566 TPSK-LSPA1-T-PE-01201 Return Date 21/02/2019 Owner Cmmt\* PE OL1-2G43-2206 P&ID - CRACKED GAS COMPRESSION - CRACKED GA Class 2 IFR Purpose\*\* Α 20/02/2019 29/03/2019 Issue Plan Revised Plan 27/12/2018 29/03/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-PE-00566 TPSK-LSPA1-T-PE-01201 21/02/2019 Return Date Owner Cmmt PE OL1-2G43-2208 P&ID - CRACKED GAS COMPRESSION - CRACKED GA Class 2 Purpose\*\* IFR IBD Issue Plan 20/02/2019 29/03/2019 Revised Plan 27/12/2018 29/03/2019 Issue Actual TPSK-LSPA1-T-PE-00566 TPSK-LSPA1-T-PE-01201 Transmittal no. Return Date 21/02/2019 PE OL1-2G43-2210 P&ID - CRACKED GAS COMPRESSION - CRACKED GA Class 2 Owner Cmmt\* IFR Purpose\*\* Α Issue Plan 20/02/2019 29/03/2019 Revised Plan 27/12/2018 Issue Actual 29/03/2019 Transmittal no TPSK-LSPA1-T-PE-00566 TPSK-LSPA1-T-PE-01201 21/02/2019 Return Date Owner Cmmt R2 PE OL1-2G43-2211 P&ID - CRACKED GAS COMPRESSION - CRACKED GA Class 2 Purpose\*\* IFR Issue Plan 20/02/2019 29/03/2019 Revised Plan 29/03/2019 27/12/2018 Issue Actual TPSK-LSPA1-T-PE-00566 TPSK-LSPA1-T-PE-01201 Transmittal no Return Date 21/02/2019 Owner Cmmt\* PE OL1-2G43-2212 P&ID - CRACKED GAS COMPRESSION - CRACKED GA Class 2 IFR Purpose\*\* Issue Plan 20/02/2019 29/03/2019 Revised Plan 27/12/2018 29/03/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-00566 TPSK-LSPA1-T-PE-01201 Return Date 21/02/2019 Owner Cmmt PE OL1-2G43-2214 P&ID - CRACKED GAS COMPRESSION - CRACKED GA Class 2 IFR IBD Α Issue Plan 20/02/2019 29/03/2019 Revised Plan Issue Actual 27/12/2018 29/03/2019 TPSK-LSPA1-T-PE-00566 Transmittal no TPSK-LSPA1-T-PE-01201 Return Date 21/02/2019 Owner Cmmt\* R2 PE OL1-2G43-2215 P&ID - CRACKED GAS COMPRESSION - CRACKED GA Class 2 IFR IBD Purpose\*\* Issue Plan 20/02/2019 29/03/2019 Revised Plan Issue Actual 27/12/2018 Transmittal no TPSK-LSPA1-T-PE-00566 TPSK-LSPA1-T-PE-01201 Return Date 21/02/2019

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation A1 = App. w/o comments LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days **Document Name** Classification Owner Cmmt\* R2 PE OL1-2G43-2217 P&ID - CRACKED GAS COMPRESSION - CRACKED GA Class 2 IFR IBD Purpose\*\* Α Issue Plan 20/02/2019 29/03/2019 Revised Plan 27/12/2018 29/03/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-01201 Return Date 21/02/2019 Owner Cmmt\* PE OL1-2G43-2220 P&ID - CRACKED GAS COMPRESSION - WASH WATEI Class 2 IBD IFR Rev. Α 20/02/2019 29/03/2019 Issue Plan Revised Plan 29/03/2019 Issue Actual 27/12/2018 TPSK-LSPA1-T-PE-00566 TPSK-LSPA1-T-PE-01201 Transmittal no Return Date 21/02/2019 Owner Cmmt\* PE OL1-2G43-2222 P&ID - CRACKED GAS COMPRESSION - WASH WATE Class 2 IBD Purpose\*\* 20/02/2019 Issue Plan 29/03/2019 Revised Plan 29/03/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-00566 TPSK-LSPA1-T-PE-01201 Return Date 21/02/2019 Owner Cmm PE OL1-2G43-2224 P&ID - CRACKED GAS COMPRESSION - WASH OIL IN Class 2 IFR Α Issue Plan 20/02/2019 29/03/2019 Revised Plan Issue Actual TPSK-LSPA1-T-PE-00566 TPSK-LSPA1-T-PE-01201 Transmittal no. Return Date 21/02/2019 Owner Cmmt\* IFR PE OL1-2G43-2301 P&ID - CAUSTIC & SPENT CAUSTIC TREATMENT - CAI Class 2 IBD Purpose\*\* Issue Plan 20/02/2019 29/03/2019 Revised Plan 27/12/2018 Issue Actual TPSK-LSPA1-T-PE-00567 TPSK-LSPA1-T-PE-01264 Return Date 21/02/2019 Owner Cmmt\* PE OL1-2G43-2303 P&ID - CAUSTIC & SPENT CAUSTIC TREATMENT - WE Class 2 Purpose\*\* Α 20/02/2019 29/03/2019 Issue Plan Revised Plan 27/12/2018 05/04/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-PE-00567 TPSK-LSPA1-T-PE-01264 21/02/2019 Return Date Owner Cmmt PE OL1-2G43-2305 P&ID - CAUSTIC & SPENT CAUSTIC TREATMENT - STR Class 2 Purpose\*\* IFR IBD Issue Plan 20/02/2019 29/03/2019 Revised Plan 27/12/2018 05/04/2019 Issue Actual TPSK-LSPA1-T-PE-00567 TPSK-LSPA1-T-PE-01264 Transmittal no. Return Date 21/02/2019 Owner Cmmt\* PE OL1-2G43-2310 P&ID - CAUSTIC & SPENT CAUSTIC TREATMENT - FRE Class 2 IFR Purpose\*\* Α Issue Plan 20/02/2019 29/03/2019 Revised Plan 27/12/2018 Issue Actual 05/04/2019 Transmittal no TPSK-LSPA1-T-PE-00567 TPSK-LSPA1-T-PE-01264 21/02/2019 Return Date Owner Cmmt R2 PE OL1-2G43-2311 P&ID - CAUSTIC & SPENT CAUSTIC TREATMENT - SPE Class 2 Purpose\*\* IFR Issue Plan 20/02/2019 29/03/2019 Revised Plan 27/12/2018 05/04/2019 Issue Actual TPSK-LSPA1-T-PE-00567 TPSK-LSPA1-T-PE-01264 Transmittal no Return Date 21/02/2019 Owner Cmmt\* PE OL1-2G43-2313 P&ID - CAUSTIC & SPENT CAUSTIC TREATMENT - SPE Class 2 IFR Purpose\*\* Issue Plan 20/02/2019 29/03/2019 Revised Plan 27/12/2018 05/04/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-00567 TPSK-LSPA1-T-PE-01264 Return Date 21/02/2019 Owner Cmmt PE OL1-2G43-2314 P&ID - Olefins Unit 10 - Caustic and Spent Caustic T Class As built IFR IBD Α 20/02/2019 29/03/2019 Issue Plan Revised Plan Issue Actual 27/12/2018 05/04/2019 TPSK-LSPA1-T-PE-00567 Transmittal no TPSK-LSPA1-T-PE-01264 Return Date 21/02/2019 Owner Cmmt\* R2 PE OL1-2G43-2315 P&ID - CAUSTIC & SPENT CAUSTIC TREATMENT - SPE Class 2 IBD Purpose\*\* Issue Plan 20/02/2019 29/03/2019 Revised Plan Issue Actual 27/12/2018 Transmittal no TPSK-LSPA1-T-PE-00567 TPSK-LSPA1-T-PE-01264 Return Date 21/02/2019

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days **Document Name** Classification Owner Cmmt\* R2 PE OL1-2G43-2316 P&ID - CAUSTIC & SPENT CAUSTIC TREATMENT - CAI Class 2 IFR IBD Purpose\*\* Α Issue Plan 20/02/2019 29/03/2019 Revised Plan 27/12/2018 05/04/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-0126 Return Date 21/02/2019 Owner Cmmt\* PE OL1-2G43-2317 P&ID - Olefins Unit 10 - Caustic and Spent Caustic T Class As built IBD IFR Rev. Α 20/02/2019 29/03/2019 Issue Plan Revised Plan 05/04/2019 Issue Actual 27/12/2018 TPSK-LSPA1-T-PE-00567 TPSK-LSPA1-T-PE-01264 Transmittal no Return Date 21/02/2019 Owner Cmmt\* PE OL1-2G43-2318 P&ID - CAUSTIC & SPENT CAUSTIC TREATMENT - SPE Class 2 IBD Purpose\*\* 20/02/2019 Issue Plan 29/03/2019 Revised Plan 05/04/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-00567 TPSK-LSPA1-T-PE-01264 Return Date 21/02/2019 Owner Cmm PE OL1-2G43-2319 P&ID - CAUSTIC & SPENT CAUSTIC TREATMENT - SKI Class 2 IFR Α Issue Plan 20/02/2019 29/03/2019 Revised Plan Issue Actual 05/04/2019 TPSK-LSPA1-T-PE-00567 TPSK-LSPA1-T-PE-01264 Transmittal no. Return Date 21/02/2019 Owner Cmmt\* IFR PE OL1-2G43-2320 P&ID - CAUSTIC & SPENT CAUSTIC TREATMENT - SPE Class 2 IBD Purpose\*\* Issue Plan 20/02/2019 29/03/2019 Revised Plan 27/12/2018 Issue Actual TPSK-LSPA1-T-PE-00567 TPSK-LSPA1-T-PE-01264 Return Date 21/02/2019 Owner Cmmt\* PE OL1-2G43-2325 P&ID - CAUSTIC & SPENT CAUSTIC TREATMENT - SPE Class 2 Purpose\*\* Α 20/02/2019 29/03/2019 Issue Plan Revised Plan 27/12/2018 05/04/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-PE-00567 TPSK-LSPA1-T-PE-01264 21/02/2019 Return Date Owner Cmmt PE OL1-2G43-2326 P&ID - CAUSTIC & SPENT CAUSTIC TREATMENT - SPE Class 2 Purpose\*\* IFR IBD Issue Plan 20/02/2019 29/03/2019 Revised Plan 27/12/2018 05/04/2019 Issue Actual TPSK-LSPA1-T-PE-00567 TPSK-LSPA1-T-PE-01264 Transmittal no. Return Date 21/02/2019 Owner Cmmt\* PE OL1-2G43-2328 P&ID - CAUSTIC & SPENT CAUSTIC TREATMENT - SPE Class 2 IFR Purpose\*\* Α Issue Plan 20/02/2019 29/03/2019 Revised Plan 27/12/2018 Issue Actual 05/04/2019 Transmittal no TPSK-LSPA1-T-PE-00567 TPSK-LSPA1-T-PE-01264 21/02/2019 Return Date Owner Cmmt R2 PE OL1-2G43-2329 P&ID - CAUSTIC & SPENT CAUSTIC TREATMENT - WA Class 2 Purpose\*\* IFR Issue Plan 20/02/2019 29/03/2019 Revised Plan 27/12/2018 05/04/2019 Issue Actual TPSK-LSPA1-T-PE-00567 TPSK-LSPA1-T-PE-01264 Transmittal no Return Date 21/02/2019 Owner Cmmt\* PE OL1-2G43-2401 P&ID - DEHYDRATION / REGEN / DEPROP / C2 HYDR Class 2 IFR Purpose\*\* Issue Plan 20/02/2019 29/03/2019 Revised Plan 27/12/2018 05/04/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-00567 TPSK-LSPA1-T-PE-01264 Return Date 21/02/2019 Owner Cmmt PE OL1-2G43-2402 P&ID - DEHYDRATION / REGEN / DEPROP / C2 HYDR Class 2 IFR IBD Α Issue Plan 20/02/2019 29/03/2019 Revised Plan Issue Actual 27/12/2018 05/04/2019 TPSK-LSPA1-T-PE-00567 Transmittal no TPSK-LSPA1-T-PE-01264 Return Date 21/02/2019 Owner Cmmt\* R2 PE OL1-2G43-2404 P&ID - DEHYDRATION / REGEN / DEPROP / C2 HYDR Class 2 IBD Purpose\*\* Issue Plan 20/02/2019 29/03/2019 Revised Plan Issue Actual 27/12/2018 Transmittal no TPSK-LSPA1-T-PE-00567 TPSK-LSPA1-T-PE-01264 Return Date 21/02/2019

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days **Document Name** Classification Owner Cmmt\* R2 PE OL1-2G43-2406 P&ID - DEHYDRATION / REGEN / DEPROP / C2 HYDR Class 2 IFR IBD Purpose\*\* Α Issue Plan 20/02/2019 29/03/2019 Revised Plan 27/12/2018 05/04/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-0126 Return Date 21/02/2019 Owner Cmmt\* PE OL1-2G43-2407 P&ID - DEHYDRATION / REGEN / DEPROP / C2 HYDR Class 2 IBD IFR Rev. Α 20/02/2019 29/03/2019 Issue Plan Revised Plan 05/04/2019 Issue Actual 27/12/2018 TPSK-LSPA1-T-PE-00567 TPSK-LSPA1-T-PE-01264 Transmittal no Return Date 21/02/2019 Owner Cmmt\* PE OL1-2G43-2409 P&ID - DEHYDRATION / REGEN / DEPROP / C2 HYDR Class 2 IBD Purpose\*\* 20/02/2019 Issue Plan 29/03/2019 Revised Plan 05/04/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-00567 TPSK-LSPA1-T-PE-01264 Return Date 21/02/2019 Owner Cmm PE OL1-2G43-2410 P&ID - DEHYDRATION / REGEN / DEPROP / C2 HYDR Class 2 IFR Α Issue Plan 20/02/2019 29/03/2019 Revised Plan Issue Actual 05/04/2019 TPSK-LSPA1-T-PE-00567 TPSK-LSPA1-T-PE-01264 Transmittal no. Return Date 21/02/2019 Owner Cmmt\* IFR PE OL1-2G43-2412 P&ID - DEHYDRATION / REGEN / DEPROP / C2 HYDR Class 2 IBD Purpose\*\* Issue Plan 20/02/2019 29/03/2019 Revised Plan 27/12/2018 Issue Actual TPSK-LSPA1-T-PE-00567 TPSK-LSPA1-T-PE-01264 Return Date 21/02/2019 Owner Cmmt\* PE OL1-2G43-2414 P&ID - DEHYDRATION / REGEN / DEPROP / C2 HYDR Class 2 Purpose\*\* Α 20/02/2019 29/03/2019 Issue Plan Revised Plan 27/12/2018 05/04/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-PE-00567 TPSK-LSPA1-T-PE-01264 21/02/2019 Return Date Owner Cmmt PE OL1-2G43-2419 P&ID - DEHYDRATION / REGEN / DEPROP / C2 HYDR Class 2 Purpose\*\* IFR IBD Issue Plan 20/02/2019 29/03/2019 Revised Plan 27/12/2018 05/04/2019 Issue Actual TPSK-LSPA1-T-PE-00567 TPSK-LSPA1-T-PE-01264 Transmittal no. Return Date 21/02/2019 PE OL1-2G43-2420 P&ID - DEHYDRATION / REGEN / DEPROP / C2 HYDR Class 2 Owner Cmmt\* IFR Purpose\*\* Α Issue Plan 20/02/2019 29/03/2019 Revised Plan 27/12/2018 Issue Actual 05/04/2019 Transmittal no TPSK-LSPA1-T-PE-00567 TPSK-LSPA1-T-PE-01264 21/02/2019 Return Date Owner Cmmt R2 PE OL1-2G43-2422 P&ID - DEHYDRATION / REGEN / DEPROP / C2 HYDR Class 2 Purpose\*\* IFR Issue Plan 20/02/2019 29/03/2019 Revised Plan 27/12/2018 05/04/2019 Issue Actual TPSK-LSPA1-T-PE-00567 TPSK-LSPA1-T-PE-01264 Transmittal no Return Date 21/02/2019 Owner Cmmt\* PE OL1-2G43-2423 P&ID - DEHYDRATION / REGEN / DEPROP / C2 HYDR Class 2 IFR Purpose\*\* Issue Plan 20/02/2019 29/03/2019 Revised Plan 27/12/2018 05/04/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-00567 TPSK-LSPA1-T-PE-01264 Return Date 21/02/2019 Owner Cmmt PE OL1-2G43-2425 P&ID - DEHYDRATION / REGEN / DEPROP / C2 HYDR Class 2 IFR IBD Α Issue Plan 20/02/2019 29/03/2019 Revised Plan Issue Actual 27/12/2018 05/04/2019 TPSK-LSPA1-T-PE-00567 Transmittal no TPSK-LSPA1-T-PE-01264 Return Date 21/02/2019 Owner Cmmt\* R2 PE OL1-2G43-2426 P&ID - DEHYDRATION / REGEN / DEPROP / C2 HYDR Class 2 IBD Purpose\*\* Issue Plan 20/02/2019 29/03/2019 Revised Plan Issue Actual 27/12/2018 Transmittal no TPSK-LSPA1-T-PE-00567 TPSK-LSPA1-T-PE-01264 Return Date 21/02/2019

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days **Document Name** Classification Owner Cmmt\* R2 PE OL1-2G43-2427 P&ID - DEHYDRATION / REGEN / DEPROP / C2 HYDR Class 2 IFR IBD Purpose\*\* Α Issue Plan 20/02/2019 29/03/2019 Revised Plan 27/12/2018 05/04/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-0126 Return Date 21/02/2019 Owner Cmmt\* PE OL1-2G43-2428 P&ID - DEHYDRATION / REGEN / DEPROP / C2 HYDR Class 2 IBD IFR Rev. Α 20/02/2019 29/03/2019 Issue Plan Revised Plan 05/04/2019 Issue Actual 27/12/2018 TPSK-LSPA1-T-PE-00567 TPSK-LSPA1-T-PE-01264 Transmittal no Return Date 21/02/2019 Owner Cmmt\* PE OL1-2G43-2430 P&ID - DEHYDRATION / REGEN / DEPROP / C2 HYDR Class 2 IBD Purpose\*\* 20/02/2019 Issue Plan 29/03/2019 Revised Plan 05/04/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-00567 TPSK-LSPA1-T-PE-01264 Return Date 21/02/2019 Owner Cmm PE OL1-2G43-2432 P&ID - DEHYDRATION / REGEN / DEPROP / C2 HYDR Class 2 IFR Α Issue Plan 20/02/2019 29/03/2019 Revised Plan Issue Actual 05/04/2019 TPSK-LSPA1-T-PE-00567 TPSK-LSPA1-T-PE-01264 Transmittal no. Return Date 21/02/2019 Owner Cmmt\* IFR PE OL1-2G43-2433 P&ID - DEHYDRATION / REGEN / DEPROP / C2 HYDR Class 2 IBD Purpose\*\* Issue Plan 20/02/2019 29/03/2019 Revised Plan 27/12/2018 Issue Actual TPSK-LSPA1-T-PE-00567 TPSK-LSPA1-T-PE-01264 Return Date 21/02/2019 Owner Cmmt\* PE OL1-2G43-2435 P&ID - DEHYDRATION / REGEN / DEPROP / C2 HYDR Class 2 Purpose\*\* Α 20/02/2019 29/03/2019 Issue Plan Revised Plan 27/12/2018 05/04/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-PE-00567 TPSK-LSPA1-T-PE-01264 21/02/2019 Return Date Owner Cmmt PE OL1-2G43-2437 P&ID - DEHYDRATION / REGEN / DEPROP / C2 HYDR Class 2 Purpose\*\* IFR IBD Issue Plan 20/02/2019 29/03/2019 Revised Plan 27/12/2018 05/04/2019 Issue Actual TPSK-LSPA1-T-PE-00567 TPSK-LSPA1-T-PE-01264 Transmittal no. Return Date 21/02/2019 PE OL1-2G43-2438 P&ID - DEHYDRATION / REGEN / DEPROP / C2 HYDR Class 2 Owner Cmmt\* IFR Purpose\*\* Α Issue Plan 20/02/2019 29/03/2019 Revised Plan 27/12/2018 Issue Actual 05/04/2019 Transmittal no TPSK-LSPA1-T-PE-00567 TPSK-LSPA1-T-PE-01264 21/02/2019 Return Date Owner Cmmt R2 PE OL1-2G43-2439 P&ID - DEHYDRATION / REGEN / DEPROP / C2 HYDR Class 2 Purpose\*\* IFR Issue Plan 20/02/2019 29/03/2019 Revised Plan 27/12/2018 05/04/2019 Issue Actual TPSK-LSPA1-T-PE-00567 TPSK-LSPA1-T-PE-01264 Transmittal no Return Date 21/02/2019 Owner Cmmt\* PE OL1-2G43-2440 P&ID - DEHYDRATION / REGEN / DEPROP / C2 HYDR Class 2 IFR Purpose\*\* Issue Plan 20/02/2019 29/03/2019 Revised Plan 27/12/2018 05/04/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-00567 TPSK-LSPA1-T-PE-01264 Return Date 21/02/2019 Owner Cmmt PE OL1-2G43-2442 P&ID - DEHYDRATION / REGEN / DEPROP / C2 HYDR Class 2 IFR IBD Α Issue Plan 20/02/2019 29/03/2019 Revised Plan Issue Actual 27/12/2018 05/04/2019 TPSK-LSPA1-T-PE-00567 Transmittal no TPSK-LSPA1-T-PE-01264 Return Date 21/02/2019 Owner Cmmt\* R2 PE OL1-2G43-2444 P&ID - DEHYDRATION / REGEN / DEPROP / C2 HYDR Class 2 IBD Purpose\*\* Issue Plan 20/02/2019 29/03/2019 Revised Plan Issue Actual 27/12/2018 Transmittal no TPSK-LSPA1-T-PE-00567 TPSK-LSPA1-T-PE-01264 Return Date 21/02/2019

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days **Document Name** Classification Owner Cmmt\* R2 PE OL1-2G43-2446 P&ID - DEHYDRATION / REGEN / DEPROP / C2 HYDR Class 2 IFR IBD Purpose\*\* Α Issue Plan 20/02/2019 29/03/2019 Revised Plan 27/12/2018 05/04/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-0126 Return Date 21/02/2019 Owner Cmmt\* PE OL1-2G43-2447 P&ID - DEHYDRATION / REGEN / DEPROP / C2 HYDR Class 2 IBD IFR Rev. Α 20/02/2019 29/03/2019 Issue Plan Revised Plan 05/04/2019 Issue Actual 27/12/2018 TPSK-LSPA1-T-PE-00567 TPSK-LSPA1-T-PE-01264 Transmittal no Return Date 21/02/2019 Owner Cmmt\* PE OL1-2G43-2501 P&ID - COLD FRACTIONATION - DEMETHANIZER PRE Class 2 IBD Purpose\*\* 20/02/2019 Issue Plan 29/03/2019 Revised Plan 08/01/2019 05/04/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-00612 TPSK-LSPA1-T-PE-01264 Return Date 25/02/2019 Owner Cmm PE OL1-2G43-2503 P&ID - COLD FRACTIONATION - DEMETHANIZER PRE Class 2 IFR IRD Α Issue Plan 20/02/2019 29/03/2019 Revised Plan Issue Actual 08/01/2019 05/04/2019 TPSK-LSPA1-T-PE-00612 TPSK-LSPA1-T-PE-01264 Transmittal no. Return Date 25/02/2019 Owner Cmmt\* IFR PE OL1-2G43-2505 P&ID - COLD FRACTIONATION - DEMETHANIZER PRE Class 2 IBD Purpose\*\* Issue Plan 20/02/2019 29/03/2019 Revised Plan 08/01/2019 Issue Actual TPSK-LSPA1-T-PE-00612 TPSK-LSPA1-T-PE-01264 Return Date 25/02/2019 Owner Cmmt\* PE OL1-2G43-2507 P&ID - COLD FRACTIONATION - DEMETHANIZER PRE Class 2 IFR Purpose\*\* Α 20/02/2019 29/03/2019 Issue Plan Revised Plan 08/01/2019 05/04/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-PE-00612 TPSK-LSPA1-T-PE-01264 25/02/2019 Return Date Owner Cmmt PE OL1-2G43-2511 P&ID - COLD FRACTIONATION - DEMETHANIZER PRE Class 2 Purpose\*\* IFR IBD Issue Plan 20/02/2019 29/03/2019 Revised Plan 08/01/2019 05/04/2019 Issue Actual TPSK-LSPA1-T-PE-00612 TPSK-LSPA1-T-PE-01264 Transmittal no. Return Date 25/02/2019 PE OL1-2G43-2513 P&ID - COLD FRACTIONATION - DEMETHANIZER PRE Class 2 Owner Cmmt\* IFR Purpose\*\* Α Issue Plan 20/02/2019 29/03/2019 Revised Plan Issue Actual 08/01/2019 05/04/2019 Transmittal no TPSK-LSPA1-T-PE-00612 TPSK-LSPA1-T-PE-01264 25/02/2019 Return Date Owner Cmmt R2 PE OL1-2G43-2515 P&ID - COLD FRACTIONATION - RESIDUE GAS RECTIFICIASS 2 Purpose\*\* IFR Issue Plan 20/02/2019 29/03/2019 Revised Plan 08/01/2019 05/04/2019 Issue Actual TPSK-LSPA1-T-PE-00612 TPSK-LSPA1-T-PE-01264 Transmittal no Return Date 25/02/2019 Owner Cmmt\* PE OL1-2G43-2517 P&ID - COLD FRACTIONATION - RESIDUE GAS RECTIF Class 2 IFR Purpose\*\* Issue Plan 20/02/2019 29/03/2019 Revised Plan 08/01/2019 05/04/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-00612 TPSK-LSPA1-T-PE-01264 Return Date 25/02/2019 Owner Cmmt PE OL1-2G43-2520 P&ID - COLD FRACTIONATION - DEMETHANIZER FEE Class 2 Purpose\*\* IFR IBD Α Issue Plan 20/02/2019 29/03/2019 Revised Plan 05/04/2019 Issue Actual 08/01/2019 TPSK-LSPA1-T-PE-00612 TPSK-LSPA1-T-PE-01264 Transmittal no Return Date 25/02/2019 Owner Cmmt\* R2 PE OL1-2G43-2521 P&ID - COLD FRACTIONATION - DEMETHANIZER IFR IBD Purpose\*\* Issue Plan 20/02/2019 29/03/2019 Revised Plan Issue Actual 08/01/2019 Transmittal no TPSK-LSPA1-T-PE-00612 TPSK-LSPA1-T-PE-01264 Return Date 25/02/2019

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days **Document Name** Classification Owner Cmmt\* R2 PE OL1-2G43-2522 P&ID - COLD FRACTIONATION - DEMETHANIZER REB Class 2 IFR IBD Purpose\*\* Α Issue Plan 20/02/2019 29/03/2019 Revised Plan 08/01/2019 05/04/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-00612 TPSK-LSPA1-T-PE-0126 Return Date 25/02/2019 Owner Cmmt\* PE OL1-2G43-2525 P&ID - COLD FRACTIONATION - RESIDUE GAS EXPAN Class 2 IBD IFR Rev. Α 20/02/2019 29/03/2019 Issue Plan Revised Plan 08/01/2019 05/04/2019 Issue Actual TPSK-LSPA1-T-PE-00612 TPSK-LSPA1-T-PE-01264 Transmittal no Return Date 25/02/2019 Owner Cmmt\* PE OL1-2G43-2527 P&ID - COLD FRACTIONATION - RESIDUE GAS EXPAN Class 2 IBD Purpose\*\* 20/02/2019 Issue Plan 29/03/2019 Revised Plan 08/01/2019 05/04/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-00612 TPSK-LSPA1-T-PE-01264 Return Date 25/02/2019 Owner Cmm PE OL1-2G43-2529 P&ID - COLD FRACTIONATION - HYDROGEN RECOVE C IFR IRD Α Issue Plan 20/02/2019 29/03/2019 Revised Plan Issue Actual 08/01/2019 05/04/2019 TPSK-LSPA1-T-PE-00612 TPSK-LSPA1-T-PE-01264 Transmittal no. Return Date 25/02/2019 Owner Cmmt\* IFR PE OL1-2G43-2530 P&ID - COLD FRACTIONATION - PROPYLENE REFRIG Class 2 IBD Purpose\*\* Issue Plan 20/02/2019 29/03/2019 Revised Plan 08/01/2019 Issue Actual TPSK-LSPA1-T-PE-00612 TPSK-LSPA1-T-PE-01264 Return Date 25/02/2019 Owner Cmmt\* PE OL1-2G43-2531 P&ID - COLD FRACTIONATION - PROPYLENE REFRIG Class 2 IFR Purpose\*\* Α 20/02/2019 29/03/2019 Issue Plan Revised Plan 08/01/2019 05/04/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-PE-00612 TPSK-LSPA1-T-PE-01264 25/02/2019 Return Date Owner Cmmt PE OL1-2G43-2532 P&ID - COLD FRACTIONATION - PRESSURE SWING A Class 2 Purpose\*\* IFR IBD Issue Plan 20/02/2019 29/03/2019 Revised Plan 08/01/2019 05/04/2019 Issue Actual TPSK-LSPA1-T-PE-00612 TPSK-LSPA1-T-PE-01264 Transmittal no. Return Date 25/02/2019 Owner Cmmt\* PE OL1-2G43-2541 P&ID - COLD FRACTIONATION - DEETHANIZER IFR Purpose\*\* Α Issue Plan 20/02/2019 29/03/2019 Revised Plan Issue Actual 08/01/2019 05/04/2019 Transmittal no TPSK-LSPA1-T-PE-00612 TPSK-LSPA1-T-PE-01264 25/02/2019 Return Date Owner Cmmt R2 PE OL1-2G43-2543 P&ID - COLD FRACTIONATION - DEETHANIZER REBO Class 2 Purpose\*\* IFR Issue Plan 20/02/2019 29/03/2019 Revised Plan 08/01/2019 05/04/2019 Issue Actual TPSK-LSPA1-T-PE-00612 TPSK-LSPA1-T-PE-01264 Transmittal no Return Date 25/02/2019 Owner Cmmt\* PE OL1-2G43-2546 P&ID - COLD FRACTIONATION - DEETHANIZER COND Class 2 IFR Purpose\*\* Issue Plan 20/02/2019 29/03/2019 Revised Plan 08/01/2019 05/04/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-00612 TPSK-LSPA1-T-PE-01264 Return Date 25/02/2019 Owner Cmmt PE OL1-2G43-2547 P&ID - COLD FRACTIONATION - DEETHANIZER OVER Class 2 Purpose\*\* IFR IBD Α Issue Plan 20/02/2019 29/03/2019 Revised Plan 05/04/2019 Issue Actual 08/01/2019 TPSK-LSPA1-T-PE-00612 TPSK-LSPA1-T-PE-01264 Transmittal no Return Date 25/02/2019 Owner Cmmt\* R2 PE OL1-2G43-2551 P&ID - COLD FRACTIONATION - DEMETHANIZER BOT IFR IBD Purpose\*\* Issue Plan 20/02/2019 29/03/2019 Revised Plan Issue Actual 08/01/2019 Transmittal no TPSK-LSPA1-T-PE-00612 TPSK-LSPA1-T-PE-01264 Return Date 25/02/2019

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days **Document Name** Classification Owner Cmmt\* R2 PE OL1-2G43-2552 P&ID - COLD FRACTIONATION - C2 SPLITTER IFR IBD Purpose\*\* Α Issue Plan 20/02/2019 29/03/2019 Revised Plan 08/01/2019 05/04/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-00612 TPSK-LSPA1-T-PE-0126 Return Date 25/02/2019 Owner Cmmt\* PE OL1-2G43-2553 P&ID - COLD FRACTIONATION - C2 SPLITTER BOTTO Class 2 IBD IFR Rev. Α 20/02/2019 29/03/2019 Issue Plan Revised Plan 08/01/2019 05/04/2019 Issue Actual TPSK-LSPA1-T-PE-00612 TPSK-LSPA1-T-PE-01264 Transmittal no Return Date 25/02/2019 Owner Cmmt\* PE OL1-2G43-2554 P&ID - COLD FRACTIONATION - C2 SPLITTER INTER-I Class 2 IBD Purpose\*\* 20/02/2019 Issue Plan 29/03/2019 Revised Plan 08/01/2019 05/04/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-00612 TPSK-LSPA1-T-PE-01264 Return Date 25/02/2019 Owner Cmm PE OL1-2G43-2556 P&ID - COLD FRACTIONATION - ETHANE RECYCLE PU Class 2 IFR Α Issue Plan 20/02/2019 29/03/2019 Revised Plan Issue Actual 08/01/2019 05/04/2019 TPSK-LSPA1-T-PE-00612 TPSK-LSPA1-T-PE-01264 Transmittal no. Return Date 25/02/2019 Owner Cmmt\* IFR PE OL1-2G43-2601 P&ID - HOT FRACTIONATION - C3 HYDROGENATION Class 2 IBD Purpose\*\* Issue Plan 20/02/2019 29/03/2019 Revised Plan 16/01/2019 Issue Actual TPSK-LSPA1-T-PE-00653 TPSK-LSPA1-T-PE-01294 Return Date 25/02/2019 Owner Cmmt\* PE OL1-2G43-2602 P&ID - HOT FRACTIONATION - C3 GUARD ADSORBEI Class 2 IFR Purpose\*\* Α 20/02/2019 29/03/2019 Issue Plan Revised Plan 16/01/2019 09/04/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-PE-00653 TPSK-LSPA1-T-PE-01294 25/02/2019 Return Date Owner Cmmt PE OL1-2G43-2603 P&ID - HOT FRACTIONATION - C3 GUARD ADSORBEI Class 2 Purpose\*\* IFR IBD Issue Plan 20/02/2019 29/03/2019 Revised Plan 16/01/2019 09/04/2019 Issue Actual TPSK-LSPA1-T-PE-00653 TPSK-LSPA1-T-PE-01294 Transmittal no. Return Date 25/02/2019 PE OL1-2G43-2604 P&ID - Olefins Unit 10 - Hot Fractionation - Feed Se Class As built Owner Cmmt\* IFR Purpose\*\* Α Issue Plan Revised Plan Issue Actual 14/03/2019 Transmittal no TPSK-LSPA1-T-PE-01061 12/04/2019 Return Date Owner Cmmt\* R2 PE OL1-2G43-2605 P&ID - HOT FRACTIONATION - C3 HYDROGENATION Class 2 Purpose\*\* IFR Issue Plan 20/02/2019 Revised Plan 14/03/2019 Issue Actual TPSK-LSPA1-T-PE-01061 Transmittal no Return Date 12/04/2019 Owner Cmmt\* PE OL1-2G43-2608 P&ID - HOT FRACTIONATION - C3 HYDROGENATION Class 2 IFR Purpose\*\* Issue Plan 20/02/2019 Revised Plan 14/03/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-01061 Return Date 12/04/2019 Owner Cmmt PE OL1-2G43-2610 P&ID - HOT FRACTIONATION - C3 HYDROGENATION Class 2 IFR Α Issue Plan 20/02/2019 Revised Plan Issue Actual 14/03/2019 TPSK-LSPA1-T-PE-01061 Transmittal no Return Date 12/04/2019 Owner Cmmt\* R2 PE OL1-2G43-2615 P&ID - HOT FRACTIONATION - SECONDARY DEETHAI Class 2 IBD Purpose\*\* Issue Plan 20/02/2019 29/03/2019 Revised Plan Issue Actual 16/01/2019 Transmittal no TPSK-LSPA1-T-PE-00653 TPSK-LSPA1-T-PE-01294 Return Date 25/02/2019

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days **Document Name** Classification Owner Cmmt\* R2 PE OL1-2G43-2616 P&ID - HOT FRACTIONATION - SECONDARY DEETHAI Class 2 IFR IBD Purpose\*\* Α Issue Plan 20/02/2019 29/03/2019 Revised Plan 16/01/2019 09/04/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-00653 TPSK-LSPA1-T-PE-0129 Return Date 25/02/2019 Owner Cmmt\* PE OL1-2G43-2620 P&ID - HOT FRACTIONATION - C3 SPLITTER IBD IFR Rev. Α 20/02/2019 29/03/2019 Issue Plan Revised Plan 09/04/2019 Issue Actual 16/01/2019 TPSK-LSPA1-T-PE-00653 TPSK-LSPA1-T-PE-01294 Transmittal no Return Date 25/02/2019 Owner Cmmt\* PE OL1-2G43-2621 P&ID - HOT FRACTIONATION - C3 SPLITTER REBOILE Class 2 IBD Purpose\*\* 20/02/2019 Issue Plan 29/03/2019 Revised Plan 09/04/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-00653 TPSK-LSPA1-T-PE-01294 Return Date 25/02/2019 Owner Cmm PE OL1-2G43-2622 P&ID - HOT FRACTIONATION - C3 SPLITTER BOTTOM Class 2 IFR Α Issue Plan 20/02/2019 29/03/2019 Revised Plan Issue Actual 16/01/2019 09/04/2019 TPSK-LSPA1-T-PE-00653 TPSK-LSPA1-T-PE-01294 Transmittal no. Return Date 25/02/2019 Owner Cmmt\* IFR PE OL1-2G43-2625 P&ID - HOT FRACTIONATION - DEBUTANIZER IBD Purpose\*\* Issue Plan 20/02/2019 29/03/2019 Revised Plan 16/01/2019 Issue Actual TPSK-LSPA1-T-PE-00653 TPSK-LSPA1-T-PE-01294 Return Date 25/02/2019 Owner Cmmt\* PE OL1-2G43-2627 P&ID - HOT FRACTIONATION - DEBUTANIZER OVERH Class 2 Purpose\*\* Α 20/02/2019 29/03/2019 Issue Plan Revised Plan 16/01/2019 09/04/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-PE-00653 TPSK-LSPA1-T-PE-01294 25/02/2019 Return Date Owner Cmmt PE OL1-2G43-2628 P&ID - HOT FRACTIONATION - DEBUTANIZER OVERH Class 2 Purpose\*\* IFR IBD Issue Plan 20/02/2019 29/03/2019 Revised Plan 16/01/2019 09/04/2019 Issue Actual TPSK-LSPA1-T-PE-00653 TPSK-LSPA1-T-PE-01294 Transmittal no. Return Date 25/02/2019 PE OL1-2G43-2629 P&ID - HOT FRACTIONATION - DEBUTANIZER BOTTO Class 2 Owner Cmmt\* IFR IFR Purpose\*\* Α В Issue Plan 20/02/2019 Revised Plan Issue Actual 16/01/2019 14/03/2019 Transmittal no TPSK-LSPA1-T-PE-00653 TPSK-LSPA1-T-PE-01061 25/02/2019 12/04/2019 Return Date Owner Cmmt\* R2 PE OL1-2G43-2630 P&ID - HOT FRACTIONATION - C5/PYGAS SURGE DR Class 2 Purpose\*\* IFR IFR Issue Plan 20/02/2019 Revised Plan 16/01/2019 14/03/2019 Issue Actual TPSK-LSPA1-T-PE-00653 TPSK-LSPA1-T-PE-01061 Transmittal no Return Date 25/02/2019 12/04/2019 Owner Cmmt\* PE OL1-2G43-2631 P&ID - Olefins Unit 10 - Hot Fractionation - Debuta Class As built IFR CAN Purpose\*\* Issue Plan 20/02/2019 Revised Plan 16/01/2019 10/04/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-00653 TPSK-LSPA1-T-PE-01298 Return Date 25/02/2019 Owner Cmmt PE OL1-2G43-2701 P&ID - GHU & C4/C5 HYDROG - GHU-1 FEED HEATIN Class 2 IFR Α Issue Plan 20/02/2019 Revised Plan Issue Actual 14/03/2019 TPSK-LSPA1-T-PE-01061 Transmittal no Return Date 12/04/2019 Owner Cmmt\* R2 PE OL1-2G43-2702 P&ID - GHU & C4/C5 HYDROG - GHU-1 REACTORS - Class 2 Purpose\*\* Issue Plan 20/02/2019 Revised Plan Issue Actual Transmittal no TPSK-LSPA1-T-PE-01061 Return Date 12/04/2019

ABBREVIATION Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information DOCUMENT NO. Master Document Index (MDI)

| IFR = Issue For Review | IFA = Issue For Approval | IFC = Issue For Construction | IFC = Issue For Construction | IFC = Issue For Construction | IFC = Issue For Planning | IFC = I \*\*Revision Purpose of Issued Document LONG SON A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification Owner Cmmt\* R2 PE OL1-2G43-2703 P&ID - GHU & C4/C5 HYDROG - GHU-1 REACTORS - Class 2 IFR Purpose\*\* Α Issue Plan 20/02/2019 Revised Plan 14/03/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-01061 Return Date 12/04/2019 Owner Cmmt\* PE OL1-2G43-2704 P&ID - GHU & C4/C5 HYDROG - GHU-1 HOT SEPARA Class 2 IFR Rev. 20/02/2019 Issue Plan Revised Plan 14/03/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-01061 Return Date 12/04/2019 Owner Cmmt\* PE OL1-2G43-2705 P&ID - GHU & C4/C5 HYDROG - GHU-1 COLD SEPAR Class 2 Purpose\*\* 20/02/2019 Issue Plan Revised Plan Issue Actual Transmittal no TPSK-LSPA1-T-PE-01061 Return Date 12/04/2019 Owner Cmm PE OL1-2G43-2706 P&ID - GHU & C4/C5 HYDROG - GHU-1 DEPENTANI Class 2 IFR Issue Plan 20/02/2019 Revised Plan Issue Actual 14/03/2019 TPSK-LSPA1-T-PE-01061 Transmittal no. Return Date 12/04/2019 Owner Cmmt\* PE OL1-2G43-2707 P&ID - GHU & C4/C5 HYDROG - GHU C5 CUT PUMP Class 2 IFR Purpose\*\* Issue Plan 20/02/2019 Revised Plan 14/03/2019 Issue Actual TPSK-LSPA1-T-PE-01061 Return Date 12/04/2019 Owner Cmmt\* PE OL1-2G43-2708 P&ID - GHU & C4/C5 HYDROG - GHU-1 DEPENTANIZ Class 2 Purpose\*\* Α 20/02/2019 Issue Plan Revised Plan 14/03/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-PE-01061 12/04/2019 Return Date Owner Cmmt PE OL1-2G43-2710 P&ID - GHU & C4/C5 HYDROG - GHU RERUN TOWER Class 2 Purpose\*\* IFR Issue Plan 20/02/2019 Revised Plan 14/03/2019 Issue Actual TPSK-LSPA1-T-PE-01061 Transmittal no. Return Date 12/04/2019 PE OL1-2G43-2711 P&ID - GHU & C4/C5 HYDROG - GHU RERUN TOWER Class 2 Owner Cmmt\* IFR Purpose\*\* Α Issue Plan 20/02/2019 Revised Plan Issue Actual 14/03/2019 Transmittal no TPSK-LSPA1-T-PE-01061 12/04/2019 Return Date Owner Cmmt\* PE OL1-2G43-2712 P&ID - GHU & C4/C5 HYDROG - GHU RERUN TOWER Class 2 Purpose\*\* IFR Issue Plan 20/02/2019 Revised Plan 14/03/2019 Issue Actual TPSK-LSPA1-T-PE-01061 Transmittal no Return Date 12/04/2019 Owner Cmmt\* PE OL1-2G43-2713 P&ID - GHU & C4/C5 HYDROG - GHU-1 PRODUCT C Class 2 IFR Purpose\*\* Issue Plan 20/02/2019 Revised Plan 14/03/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-01061 Return Date 12/04/2019 Owner Cmmt PE OL1-2G43-2715 P&ID - GHU & C4/C5 HYDROG - GHU-1 RECYCLE W/ Class 2 IFR Α Issue Plan 20/02/2019 Revised Plan Issue Actual 14/03/2019 TPSK-LSPA1-T-PE-01061 Transmittal no. Return Date 12/04/2019 Owner Cmmt\* R2 PE OL1-2G43-2716 P&ID - GHU & C4/C5 HYDROG - PYGAS FUEL OIL PR Class 2 Purpose\*\* Issue Plan 20/02/2019 Revised Plan Issue Actual Transmittal no TPSK-LSPA1-T-PE-01061 Return Date 12/04/2019

ABBREVIATION Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information DOCUMENT NO. Master Document Index (MDI)

| IFR = Issue For Review | IFA = Issue For Approval | IFC = Issue For Construction | IFC = Issue For Construction | IFC = Issue For Construction | IFC = Issue For Planning | IFC = I \*\*Revision Purpose of Issued Document LONG SON A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification Owner Cmmt\* R2 PE OL1-2G43-2717 P&ID - Olefins Unit 10 - GHU & C4-C5 Hydrog - Refu Class As built IFR Purpose\*\* Issue Plan Revised Plan 14/03/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-01061 Return Date 12/04/2019 Owner Cmmt\* PE OL1-2G43-2718 P&ID - Olefins Unit 10 - GHU & C4-C5 Hydrog - Anti Class As built IFR Rev. Α Issue Plan Revised Plan Issue Actual 14/03/2019 TPSK-LSPA1-T-PE-01061 Transmittal no Return Date 12/04/2019 Owner Cmmt\* PE OL1-2G43-2720 P&ID - GHU & C4/C5 HYDROG - REACTIVATION GAS Class 2 Purpose\*\* 20/02/2019 Issue Plan Revised Plan Issue Actual Transmittal no TPSK-LSPA1-T-PE-01061 Return Date 12/04/2019 Owner Cmm PE OL1-2G43-2722 P&ID - GHU & C4/C5 HYDROG - REGENERATION DECClass 2 IFR Issue Plan 20/02/2019 Revised Plan Issue Actual 14/03/2019 TPSK-LSPA1-T-PE-01061 Transmittal no. Return Date 12/04/2019 Owner Cmmt\* PE OL1-2G43-2730 P&ID - GHU & C4/C5 HYDROG - C4/C5 HYDROGENA Class 2 IFR Purpose\*\* Issue Plan 20/02/2019 Revised Plan 14/03/2019 Issue Actual TPSK-LSPA1-T-PE-01061 Return Date 12/04/2019 Owner Cmmt\* PE OL1-2G43-2732 P&ID - GHU & C4/C5 HYDROG - C4/C5 HYDROGENA Class 2 Purpose\*\* Α 20/02/2019 Issue Plan Revised Plan 14/03/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-PE-01061 12/04/2019 Return Date Owner Cmmt\* PE OL1-2G43-2733 P&ID - GHU & C4/C5 HYDROG - C4/C5 HYDROGENA Class 2 Purpose\*\* IFR Issue Plan 20/02/2019 Revised Plan 14/03/2019 Issue Actual TPSK-LSPA1-T-PE-01061 Transmittal no. Return Date 12/04/2019 PE OL1-2G43-2734 P&ID - GHU & C4/C5 HYDROG - C4/C5 HYDROGENA Class 2 Owner Cmmt\* IFR Purpose\*\* Α Issue Plan 20/02/2019 Revised Plan Issue Actual 14/03/2019 Transmittal no TPSK-LSPA1-T-PE-01061 12/04/2019 Return Date Owner Cmmt\* PE OL1-2G43-2736 P&ID - GHU & C4/C5 HYDROG - C4/C5 HYDROGENA Class 2 Purpose\*\* IFR Issue Plan 20/02/2019 Revised Plan 14/03/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-PE-01061 Return Date 12/04/2019 Owner Cmmt\* PE OL1-2G43-2738 P&ID - GHU & C4/C5 HYDROG - C4/C5 HYDROGENA Class 2 IFR Purpose\*\* Issue Plan 20/02/2019 Revised Plan 14/03/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-01061 12/04/2019 Return Date Owner Cmmt\* PE OL1-2G43-2740 P&ID - GHU & C4/C5 HYDROG - LIGHT OIL DRAIN DI Class 2 IFR Α Issue Plan 20/02/2019 Revised Plan Issue Actual 14/03/2019 TPSK-LSPA1-T-PE-01061 Transmittal no. Return Date 12/04/2019 Owner Cmmt\* R2 PE OL1-2G43-2742 P&ID - Olefins Unit 10 - GHU & C4-C5 Hydrog - Ligh Class As built Purpose\*\* Issue Plan Revised Plan Issue Actual 14/03/2019 Transmittal no. TPSK-LSPA1-T-PE-01061 Return Date 12/04/2019

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days **Document Name** Classification Owner Cmmt\* R2 PE OL1-2G43-2801 P&ID - REFRIGERATION - C3 REFRIGERANT COMPRE Class 2 IFR IBD Purpose\*\* Α Issue Plan 20/02/2019 29/03/2019 Revised Plan 16/01/2019 12/04/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-00653 Return Date 25/02/2019 Owner Cmmt\* PE OL1-2G43-2802 P&ID - REFRIGERATION - C3 REFRIGERANT COMPRE Class 2 IBD IFR Rev. Α 20/02/2019 29/03/2019 Issue Plan Revised Plan 12/04/2019 Issue Actual 16/01/2019 Transmittal no TPSK-LSPA1-T-PE-00653 TPSK-LSPA1-T-PE-01345 Return Date 25/02/2019 Owner Cmmt\* PE OL1-2G43-2803 P&ID - REFRIGERATION - C3 REFRIGERANT CONDEN Class 2 IBD Purpose\*\* 20/02/2019 Issue Plan 29/03/2019 Revised Plan 12/04/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-00653 TPSK-LSPA1-T-PE-01345 Return Date 25/02/2019 Owner Cmm PE OL1-2G43-2804 P&ID - REFRIGERATION - C3 REFRIGERANT RECEIVER Class 2 IFR Α Issue Plan 20/02/2019 29/03/2019 Revised Plan Issue Actual 16/01/2019 TPSK-LSPA1-T-PE-00653 TPSK-LSPA1-T-PE-01345 Transmittal no. Return Date 25/02/2019 Owner Cmmt\* IFR PE OL1-2G43-2805 P&ID - REFRIGERATION - HP C3 REFRIGERATION DIS Class 2 IBD Purpose\*\* Issue Plan 20/02/2019 29/03/2019 Revised Plan 16/01/2019 12/04/2019 Issue Actual TPSK-LSPA1-T-PE-00653 TPSK-LSPA1-T-PE-01345 Return Date 25/02/2019 Owner Cmmt\* PE OL1-2G43-2806 P&ID - REFRIGERATION - C3 REFRIGERANT 4TH STAC Class 2 IFR Purpose\*\* Α 20/02/2019 29/03/2019 Issue Plan Revised Plan 16/01/2019 12/04/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-PE-00653 TPSK-LSPA1-T-PE-01345 25/02/2019 Return Date Owner Cmmt PE OL1-2G43-2807 P&ID - Olefins Unit 10 - Refrigeration System - C3 R Class As built Purpose\*\* IFR IBD Issue Plan 20/02/2019 29/03/2019 Revised Plan 16/01/2019 12/04/2019 Issue Actual TPSK-LSPA1-T-PE-00653 TPSK-LSPA1-T-PE-01345 Transmittal no. Return Date 25/02/2019 PE OL1-2G43-2808 P&ID - REFRIGERATION - C3 REFRIGERANT 3RD STAC Class 2 Owner Cmmt\* IFR Purpose\*\* Α Issue Plan 20/02/2019 29/03/2019 Revised Plan Issue Actual 16/01/2019 12/04/2019 Transmittal no TPSK-LSPA1-T-PE-00653 TPSK-LSPA1-T-PE-01345 25/02/2019 Return Date Owner Cmmt R2 PE OL1-2G43-2810 P&ID - REFRIGERATION - C3 REFRIGERANT 2ND STAI Class 2 Purpose\*\* IFR Issue Plan 20/02/2019 29/03/2019 Revised Plan 16/01/2019 12/04/2019 Issue Actual TPSK-LSPA1-T-PE-00653 TPSK-LSPA1-T-PE-01345 Transmittal no Return Date 25/02/2019 Owner Cmmt\* PE OL1-2G43-2812 P&ID - REFRIGERATION - C3 REFRIGERANT 1ST STAG Class 2 IFR Purpose\*\* Issue Plan 20/02/2019 29/03/2019 Revised Plan 16/01/2019 12/04/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-00653 TPSK-LSPA1-T-PE-01345 Return Date 25/02/2019 Owner Cmmt PE OL1-2G43-2814 P&ID - REFRIGERATION - C3 REFRIGERANT DRAIN DI Class 2 IFR IBD Α Issue Plan 20/02/2019 29/03/2019 Revised Plan Issue Actual 16/01/2019 12/04/2019 TPSK-LSPA1-T-PE-00653 Transmittal no TPSK-LSPA1-T-PE-01345 Return Date 25/02/2019 Owner Cmmt\* R2 PE OL1-2G43-2816 P&ID - REFRIGERATION - PROPYLENE PRODUCT PUN Class 2 IBD Purpose\*\* Issue Plan 20/02/2019 29/03/2019 Revised Plan Issue Actual 16/01/2019 Transmittal no TPSK-LSPA1-T-PE-00653 TPSK-LSPA1-T-PE-01345 Return Date 25/02/2019

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days **Document Name** Classification Owner Cmmt\* R2 PE OL1-2G43-2818 P&ID - REFRIGERATION - PROPYLENE PRODUCT CHI Class 2 IFR IBD Purpose\*\* Α Issue Plan 20/02/2019 29/03/2019 Revised Plan 16/01/2019 12/04/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-00653 Return Date 25/02/2019 Owner Cmmt\* PE OL1-2G43-2819 P&ID - REFRIGERATION - PROPYLENE PRODUCT CHI Class 2 IBD IFR Rev. Α 20/02/2019 29/03/2019 Issue Plan Revised Plan 12/04/2019 Issue Actual 16/01/2019 TPSK-LSPA1-T-PE-00653 TPSK-LSPA1-T-PE-01345 Transmittal no Return Date 25/02/2019 Owner Cmmt\* PE OL1-2G43-2821 P&ID - REFRIGERATION - ETHYLENE REFRIGERANT C Class 2 IBD Purpose\*\* 20/02/2019 Issue Plan 29/03/2019 Revised Plan 12/04/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-00653 TPSK-LSPA1-T-PE-01345 Return Date 25/02/2019 Owner Cmm PE OL1-2G43-2822 P&ID - REFRIGERATION - ETHYLENE REFRIGERANT C Class 2 IFR Α Issue Plan 20/02/2019 29/03/2019 Revised Plan Issue Actual 16/01/2019 TPSK-LSPA1-T-PE-00653 TPSK-LSPA1-T-PE-01345 Transmittal no. Return Date 25/02/2019 Owner Cmmt\* R2 IBD PE OL1-2G43-2823 P&ID - Olefins Unit 10 - Refrigeration System - Ethy Class As built Purpose\*\* Issue Plan Revised Plan 12/04/2019 Issue Actual TPSK-LSPA1-T-PE-01345 Return Date Owner Cmmt\* PE OL1-2G43-2824 P&ID - REFRIGERATION - C2 REFRIGERANT DESUPER Class 2 Purpose\*\* Α 20/02/2019 29/03/2019 Issue Plan Revised Plan 16/01/2019 12/04/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-PE-00653 TPSK-LSPA1-T-PE-01345 25/02/2019 Return Date Owner Cmmt PE OL1-2G43-2825 P&ID - REFRIGERATION - C2 REFRIGERANT DESUPER Class 2 Purpose\*\* IFR IBD Issue Plan 20/02/2019 29/03/2019 Revised Plan 16/01/2019 12/04/2019 Issue Actual TPSK-LSPA1-T-PE-00653 TPSK-LSPA1-T-PE-01345 Transmittal no. Return Date 25/02/2019 PE OL1-2G43-2828 P&ID - REFRIGERATION - ETHYLENE REFRIGERANT S Class 2 Owner Cmmt\* IFR Purpose\*\* Α Issue Plan 20/02/2019 29/03/2019 Revised Plan Issue Actual 16/01/2019 12/04/2019 Transmittal no TPSK-LSPA1-T-PE-00653 TPSK-LSPA1-T-PE-01345 25/02/2019 Return Date Owner Cmmt\* R2 PE OL1-2G43-2830 P&ID - REFRIGERATION - HP ETHYLENE LIQUID PROI Class 2 Purpose\*\* IFR Issue Plan 20/02/2019 29/03/2019 Revised Plan 12/04/2019 16/01/2019 Issue Actual TPSK-LSPA1-T-PE-00653 TPSK-LSPA1-T-PE-01345 Transmittal no Return Date 25/02/2019 Owner Cmmt\* PE OL1-2G43-2834 P&ID - REFRIGERATION - HP ETHYLENE VAPOR PROL Class 2 IFR Purpose\*\* Issue Plan 20/02/2019 29/03/2019 Revised Plan 16/01/2019 12/04/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-00653 TPSK-LSPA1-T-PE-01345 Return Date 25/02/2019 Owner Cmmt PE OL1-2G43-2836 P&ID - REFRIGERATION - ETHYLENE REFRIGERANT 3 Class 2 IFR IBD Α Issue Plan 20/02/2019 29/03/2019 Revised Plan Issue Actual 16/01/2019 12/04/2019 TPSK-LSPA1-T-PE-00653 Transmittal no TPSK-LSPA1-T-PE-01345 Return Date 25/02/2019 Owner Cmmt\* R2 PE OL1-2G43-2838 P&ID - REFRIGERATION - ETHYLENE REFRIGERANT 2 Class 2 IBD Purpose\*\* Issue Plan 20/02/2019 29/03/2019 Revised Plan Issue Actual 16/01/2019 Transmittal no TPSK-LSPA1-T-PE-00653 TPSK-LSPA1-T-PE-01345 Return Date 25/02/2019

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days **Document Name** Classification Owner Cmmt\* R2 PE OL1-2G43-2840 P&ID - REFRIGERATION - ETHYLENE REFRIGERANT 1 Class 2 IFR IBD Purpose\*\* Α Issue Plan 20/02/2019 29/03/2019 Revised Plan 16/01/2019 12/04/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-00653 Return Date 25/02/2019 Owner Cmmt\* PE OL1-2G43-2842 P&ID - REFRIGERATION - LP ETHYLENE PRODUCT CQ IBD IFR Rev. Α 20/02/2019 29/03/2019 Issue Plan Revised Plan 12/04/2019 Issue Actual 16/01/2019 TPSK-LSPA1-T-PE-00653 TPSK-LSPA1-T-PE-01345 Transmittal no Return Date 25/02/2019 Owner Cmmt\* PE OL1-2G43-2846 P&ID - REFRIGERATION - ETHYLENE REFRIGERANT D Class 2 IBD Purpose\*\* 20/02/2019 Issue Plan 29/03/2019 Revised Plan 12/04/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-00653 TPSK-LSPA1-T-PE-01345 Return Date 25/02/2019 Owner Cmm PE OL1-2G43-2901 P&ID - OLEFINS RECOVERY AUXILLARY - EMULSION Class 2 IFR Issue Plan 20/02/2019 Revised Plan Issue Actual 04/02/2019 TPSK-LSPA1-T-PE-00799 Transmittal no. Return Date 25/02/2019 Owner Cmmt\* PE OL1-2G43-2902 P&ID - OLEFINS RECOVERY AUXILLARY - PH CONTRO Class 2 IFR Purpose\*\* Issue Plan 20/02/2019 Revised Plan 04/02/2019 Issue Actual TPSK-LSPA1-T-PE-00799 Return Date 25/02/2019 Owner Cmmt\* PE OL1-2G43-2903 P&ID - OLEFINS RECOVERY AUXILLARY - POLYMERIZ Class 2 Purpose\*\* Α 20/02/2019 Issue Plan Revised Plan 04/02/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-PE-00799 25/02/2019 Return Date Owner Cmmt PE OL1-2G43-2904 P&ID - OLEFINS RECOVERY AUXILLARY - PROCESS W Class 2 Purpose\*\* IFR Issue Plan 20/02/2019 Revised Plan 04/02/2019 Issue Actual TPSK-LSPA1-T-PE-00799 Transmittal no. Return Date 25/02/2019 PE OL1-2G43-2905 P&ID - OLEFINS RECOVERY AUXILLARY - CORROSION Class 2 Owner Cmmt\* IFR Purpose\*\* Α Issue Plan 20/02/2019 Revised Plan Issue Actual 04/02/2019 Transmittal no TPSK-LSPA1-T-PE-00799 25/02/2019 Return Date Owner Cmmt\* PE OL1-2G43-2906 P&ID - OLEFINS RECOVERY AUXILLARY - DSG ANTI-F Class 2 Purpose\*\* IFR Issue Plan 20/02/2019 Revised Plan 04/02/2019 Issue Actual TPSK-LSPA1-T-PE-00799 Transmittal no Return Date 25/02/2019 Owner Cmmt\* PE OL1-2G43-2907 P&ID - Olefins Unit 10 - Ethylene Auxiliaries - Caust Class As built IFR Purpose\*\* Issue Plan 20/02/2019 Revised Plan 04/02/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-00799 Return Date 25/02/2019 Owner Cmmt PE OL1-2G43-2908 P&ID - Olefins Unit 10 - Ethylene Auxiliaries - Neutr Class As built IFR 20/02/2019 Issue Plan Revised Plan Issue Actual 04/02/2019 TPSK-LSPA1-T-PE-00799 Transmittal no Return Date 25/02/2019 Owner Cmmt\* R2 PE OL1-2G43-2909 P&ID - Olefins Unit 10 - Ethylene Auxiliaries - Meth. Class As built Purpose\*\* Issue Plan 20/02/2019 Revised Plan Issue Actual Transmittal no TPSK-LSPA1-T-PE-00799 Return Date 25/02/2019

ABBREVIATION Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information DOCUMENT NO. Master Document Index (MDI)

| IFR = Issue For Review | IFA = Issue For Approval | IFC = Issue For Construction | IFC = Issue For Construction | IFC = Issue For Construction | IFC = Issue For Planning | IFC = I \*\*Revision Purpose of Issued Document LONG SON A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification Owner Cmmt\* R2 PE OL1-2G43-2915 P&ID - OLEFINS RECOVERY AUXILLARY - WASH OIL S Class 2 IFR Purpose\*\* Α Issue Plan 20/02/2019 Revised Plan 04/02/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-0079 Return Date 25/02/2019 Owner Cmmt\* PE OL1-2G43-2920 P&ID - OLEFINS RECOVERY AUXILLARY - QUENCH OI Class 2 IFR Rev. Α 20/02/2019 Issue Plan Revised Plan 04/02/2019 Issue Actual TPSK-LSPA1-T-PE-00799 Transmittal no Return Date 25/02/2019 Owner Cmmt\* PE OL1-2G43-2922 P&ID - OLEFINS RECOVERY AUXILLARY - QUENCH W Class 2 Purpose\*\* 20/02/2019 Issue Plan Revised Plan 04/02/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-00799 Return Date 25/02/2019 Owner Cmm PE OL1-2G43-2924 P&ID - OLEFINS RECOVERY AUXILLARY - DSG FEED P Class 2 IFR Issue Plan 20/02/2019 Revised Plan Issue Actual 04/02/2019 TPSK-LSPA1-T-PE-00799 Transmittal no. Return Date 25/02/2019 Owner Cmmt\* PE OL1-2G43-2930 P&ID - OLEFINS RECOVERY AUXILLARY - CG COMP. T Class 2 IFR Purpose\*\* Issue Plan 20/02/2019 Revised Plan 04/02/2019 Issue Actual TPSK-LSPA1-T-PE-00799 Return Date 25/02/2019 Owner Cmmt\* PE OL1-2G43-2932 P&ID - OLEFINS RECOVERY AUXILLARY - CG COMP. T Class 2 Purpose\*\* Α 20/02/2019 Issue Plan Revised Plan 04/02/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-PE-00799 25/02/2019 Return Date Owner Cmmt\* PE OL1-2G43-2934 P&ID - OLEFINS RECOVERY AUXILLARY - CG COMP. T Class 2 Purpose\*\* IFR Issue Plan 20/02/2019 Revised Plan 04/02/2019 Issue Actual TPSK-LSPA1-T-PE-00799 Transmittal no. Return Date 25/02/2019 PE OL1-2G43-2955 P&ID - OLEFINS RECOVERY AUXILLARY - C3 REFRIGE Class 2 Owner Cmmt\* IFR Purpose\*\* Α Issue Plan 20/02/2019 Revised Plan Issue Actual 04/02/2019 Transmittal no TPSK-LSPA1-T-PE-00799 25/02/2019 Return Date Owner Cmmt\* PE OL1-2G43-2960 P&ID - OLEFINS RECOVERY AUXILLARY - C3 REFRIGE Class 2 Purpose\*\* IFR Issue Plan 20/02/2019 Revised Plan 04/02/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-PE-00799 Return Date 25/02/2019 Owner Cmmt\* PE OL1-2G43-2965 P&ID - OLEFINS RECOVERY AUXILLARY - C3 REFRIGE Class 2 IFR Purpose\*\* Issue Plan 20/02/2019 Revised Plan 04/02/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-00799 Return Date 25/02/2019 Owner Cmmt\* PE OL1-2G43-2970 P&ID - OLEFINS RECOVERY AUXILLARY - C2 REFRIGE Class 2 IFR Α Issue Plan 20/02/2019 Revised Plan Issue Actual 04/02/2019 TPSK-LSPA1-T-PE-00799 Transmittal no. Return Date 25/02/2019 Owner Cmmt\* R2 PE OL1-2G43-2975 P&ID - OLEFINS RECOVERY AUXILLARY - C2 REFRIGE Class 2 Purpose\*\* Issue Plan 20/02/2019 Revised Plan Issue Actual Transmittal no TPSK-LSPA1-T-PE-00799 Return Date 25/02/2019

ABBREVIATION Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information DOCUMENT NO. Master Document Index (MDI)

| IFR = Issue For Review | IFA = Issue For Approval | IFC = Issue For Construction | IFC = Issue For Construction | IFC = Issue For Construction | IFC = Issue For Planning | IFC = I \*\*Revision Purpose of Issued Document LONG SON A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days **Document Name** Classification R2 Owner Cmmt\* PE OL1-2G43-2976 P&ID - Olefins Unit 10 - Ethylene Auxiliaries - C2R L Class As built IFR Purpose\*\* Α Issue Plan 20/02/2019 Revised Plan 04/02/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-0079 Return Date 25/02/2019 Owner Cmmt\* PE OL1-2G43-3001 P&ID - C4 UNIT - PREDISTILLATION FEED DRUM Class 2 IFR Rev. Α 20/02/2019 Issue Plan Revised Plan 14/03/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-01067 Return Date 29/03/2019 Owner Cmmt\* PE OL1-2G43-3002 P&ID - C4 UNIT - PREDISTILLATION FEED PUMPS Class 2 Purpose\*\* 20/02/2019 Issue Plan Revised Plan Issue Actual Transmittal no TPSK-LSPA1-T-PE-01067 Return Date 29/03/2019 Owner Cmm PE OL1-2G43-3003 P&ID - C4 UNIT - PREDISTILLATION TOWER IFR Issue Plan 20/02/2019 Revised Plan Issue Actual 14/03/2019 TPSK-LSPA1-T-PE-01067 Transmittal no. Return Date 29/03/2019 Owner Cmmt\* PE OL1-2G43-3004 P&ID - C4 UNIT - PREDISTILLATION TOWER REBOILE Class 2 IFR Purpose\*\* Issue Plan 20/02/2019 Revised Plan 14/03/2019 Issue Actual TPSK-LSPA1-T-PE-01067 Return Date 29/03/2019 Owner Cmmt\* PE OL1-2G43-3005 P&ID - Olefins Unit 10 - Butadiene Extraction Unit Class As built Purpose\*\* Α Issue Plan Revised Plan 14/03/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-PE-01067 29/03/2019 Return Date Owner Cmmt\* PE OL1-2G43-3006 P&ID - C4 UNIT - PREDISTILLATION TOWER OVERHE Class 2 Purpose\*\* IFR Issue Plan 20/02/2019 Revised Plan 14/03/2019 Issue Actual TPSK-LSPA1-T-PE-01067 Transmittal no. Return Date 29/03/2019 PE OL1-2G43-3007 P&ID - Olefins Unit 10 - Butadiene Extraction Unit Class As built Owner Cmmt\* IFR Purpose\*\* Α Issue Plan Revised Plan Issue Actual 14/03/2019 Transmittal no TPSK-LSPA1-T-PE-01067 29/03/2019 Return Date Owner Cmmt\* R2 PE OL1-2G43-3008 P&ID - C4 UNIT - FEED VAPORIZER DRUM Purpose\*\* IFR Issue Plan 20/02/2019 Revised Plan 14/03/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-PE-01067 Return Date 29/03/2019 Owner Cmmt\* PE OL1-2G43-3009 P&ID - Olefins Unit 10 - Butadiene Extraction Unit Class As built IFR Purpose\*\* Α Issue Plan Revised Plan 14/03/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-01067 Return Date 29/03/2019 Owner Cmmt\* PE OL1-2G43-3010 P&ID - C4 UNIT - C4 EVAPORATORS IFR Issue Plan 20/02/2019 Revised Plan Issue Actual 14/03/2019 TPSK-LSPA1-T-PE-01067 Return Date 29/03/2019 Owner Cmmt\* R2 PE OL1-2G43-3011 P&ID - Olefins Unit 10 - Butadiene Extraction Unit Class As built Purpose\*\* Issue Plan Revised Plan Issue Actual 14/03/2019 Transmittal no. TPSK-LSPA1-T-PE-01067 Return Date 29/03/2019

ABBREVIATION Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information DOCUMENT NO. Master Document Index (MDI)

| IFR = Issue For Review | IFA = Issue For Approval | IFC = Issue For Construction | IFC = Issue For Construction | IFC = Issue For Construction | IFC = Issue For Planning | IFC = I \*\*Revision Purpose of Issued Document LONG SON A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification R2 Owner Cmmt\* PE OL1-2G43-3012 P&ID - C4 UNIT - MAIN WASHER IFR Purpose\*\* Α Issue Plan 20/02/2019 Revised Plan 14/03/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-0106 Return Date 29/03/2019 Owner Cmmt\* PE OL1-2G43-3013 P&ID - Olefins Unit 10 - Butadiene Extraction Unit Class As built IFR Rev. Α Issue Plan Revised Plan Issue Actual 14/03/2019 TPSK-LSPA1-T-PE-01067 Transmittal no Return Date 29/03/2019 Owner Cmmt\* PE OL1-2G43-3014 P&ID - C4 UNIT - MAIN WASHER OVERHEAD Purpose\*\* 20/02/2019 Issue Plan Revised Plan Issue Actual Transmittal no TPSK-LSPA1-T-PE-01067 Return Date 29/03/2019 Owner Cmm PE OL1-2G43-3015 P&ID - Olefins Unit 10 - Butadiene Extraction Unit IFR Α Issue Plan Revised Plan Issue Actual 14/03/2019 TPSK-LSPA1-T-PE-01067 Transmittal no. Return Date 29/03/2019 Owner Cmmt\* PE OL1-2G43-3016 P&ID - C4 UNIT - RECTIFIER IFR Class 2 Purpose\*\* Issue Plan 20/02/2019 Revised Plan 14/03/2019 Issue Actual TPSK-LSPA1-T-PE-01067 Return Date 29/03/2019 Owner Cmmt\* PE OL1-2G43-3017 P&ID - C4 UNIT - RECTIFIER BOTTOMS Purpose\*\* Α 20/02/2019 Issue Plan Revised Plan 14/03/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-PE-01067 29/03/2019 Return Date Owner Cmmt\* PE OL1-2G43-3018 P&ID - C4 UNIT - AFTERWASHER Purpose\*\* IFR Issue Plan 20/02/2019 Revised Plan 14/03/2019 Issue Actual TPSK-LSPA1-T-PE-01067 Transmittal no. Return Date 29/03/2019 PE OL1-2G43-3019 P&ID - Olefins Unit 10 - Butadiene Extraction Unit Class As built Owner Cmmt\* R2 IFR Purpose\*\* Α Issue Plan Revised Plan Issue Actual 14/03/2019 Transmittal no TPSK-LSPA1-T-PE-01067 29/03/2019 Return Date Owner Cmmt\* R2 PE OL1-2G43-3020 P&ID - C4 UNIT - AFTERWASHER OVERHEAD Purpose\*\* IFR Issue Plan 20/02/2019 Revised Plan 14/03/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-PE-01067 Return Date 29/03/2019 Owner Cmmt\* PE OL1-2G43-3021 P&ID - C4 UNIT - SOLVENT HEAT EXCHANGERS Class 2 IFR Purpose\*\* Issue Plan 20/02/2019 Revised Plan 14/03/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-01067 Return Date 29/03/2019 Owner Cmmt\* PE OL1-2G43-3022 P&ID - C4 UNIT - SOLVENT HEATING IFR Α Issue Plan 20/02/2019 Revised Plan Issue Actual 14/03/2019 TPSK-LSPA1-T-PE-01067 Transmittal no. Return Date 29/03/2019 Owner Cmmt\* R2 PE OL1-2G43-3023 P&ID - Olefins Unit 10 - Butadiene Extraction Unit Class As built Purpose\*\* Issue Plan Revised Plan Issue Actual 14/03/2019 Transmittal no. TPSK-LSPA1-T-PE-01067 Return Date 29/03/2019

ABBREVIATION Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information DOCUMENT NO. Master Document Index (MDI)

| IFR = Issue For Review | IFA = Issue For Approval | IFC = Issue For Construction | IFC = Issue For Construction | IFC = Issue For Construction | IFC = Issue For Planning | IFC = I \*\*Revision Purpose of Issued Document LONG SON A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification Owner Cmmt\* R2 PE OL1-2G43-3024 P&ID - C4 UNIT - SOLVENT COOLING/DEGASSING Class 2 IFR Purpose\*\* Α Issue Plan 20/02/2019 Revised Plan 14/03/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-0106 Return Date 29/03/2019 Owner Cmmt\* PE OL1-2G43-3025 P&ID - C4 UNIT - DEGASSING TOWER IFR Rev. Α 20/02/2019 Issue Plan Revised Plan 14/03/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-01067 Return Date 29/03/2019 Owner Cmmt\* PE OL1-2G43-3026 P&ID - C4 UNIT - DEGASSING TOWER REBOILERS Class 2 Purpose\*\* 20/02/2019 Issue Plan Revised Plan Issue Actual Transmittal no TPSK-LSPA1-T-PE-01067 Return Date 29/03/2019 Owner Cmm PE OL1-2G43-3027 P&ID - C4 UNIT - ACETYLENE WASHER IFR Issue Plan 20/02/2019 Revised Plan Issue Actual 14/03/2019 TPSK-LSPA1-T-PE-01067 Transmittal no. Return Date 29/03/2019 Owner Cmmt\* PE OL1-2G43-3028 P&ID - C4 UNIT - ACETYLENE CONDENSING IFR Purpose\*\* Issue Plan 20/02/2019 Revised Plan 14/03/2019 Issue Actual TPSK-LSPA1-T-PE-01067 Return Date 29/03/2019 Owner Cmmt\* PE OL1-2G43-3029 P&ID - C4 UNIT - HC/WATER SEPARATOR Purpose\*\* Α 20/02/2019 Issue Plan Revised Plan 14/03/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-PE-01067 29/03/2019 Return Date Owner Cmmt\* PE OL1-2G43-3101 P&ID - Olefins Unit 10 - Butadiene Extraction Unit Class As built Purpose\*\* IFR Α Issue Plan Revised Plan 14/03/2019 Issue Actual TPSK-LSPA1-T-PE-01067 Transmittal no. Return Date 29/03/2019 PE OL1-2G43-3102 P&ID - Olefins Unit 10 - Butadiene Extraction Unit Class As built Owner Cmmt\* IFR Purpose\*\* Α Issue Plan Revised Plan Issue Actual 14/03/2019 Transmittal no TPSK-LSPA1-T-PE-01067 29/03/2019 Owner Cmmt\* PE OL1-2G43-3103 P&ID - Olefins Unit 10 - Butadiene Extraction Unit Class As built Purpose\*\* IFR Issue Plan Revised Plan 14/03/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-PE-01067 Return Date 29/03/2019 Owner Cmmt\* PE OL1-2G43-3104 P&ID - Olefins Unit 10 - Butadiene Extraction Unit Class As built IFR Purpose\*\* Α Issue Plan Revised Plan 14/03/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-01067 Return Date 29/03/2019 Owner Cmmt\* PE OL1-2G43-3105 P&ID - Olefins Unit 10 - Butadiene Extraction Unit Class As built IFR Α Issue Plan Revised Plan Issue Actual 14/03/2019 TPSK-LSPA1-T-PE-01067 Transmittal no. Return Date 29/03/2019 Owner Cmmt\* R2 PE OL1-2G43-3106 P&ID - Olefins Unit 10 - Butadiene Extraction Unit Class As built Purpose\*\* Issue Plan Revised Plan Issue Actual 14/03/2019 Transmittal no. TPSK-LSPA1-T-PE-01067 Return Date 29/03/2019

ABBREVIATION Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information DOCUMENT NO. Master Document Index (MDI)

| IFR = Issue For Review | IFA = Issue For Approval | IFC = Issue For Construction | IFC = Issue For Construction | IFC = Issue For Construction | IFC = Issue For Planning | IFC = I \*\*Revision Purpose of Issued Document LONG SON A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days **Document Name** Classification Owner Cmmt\* R2 PE OL1-2G43-3107 P&ID - Olefins Unit 10 - Butadiene Extraction Unit | Class As built IFR Purpose\*\* Issue Plan Revised Plan 14/03/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-0106 Return Date 29/03/2019 Owner Cmmt\* PE OL1-2G43-3108 P&ID - Olefins Unit 10 - Butadiene Extraction Unit Class As built IFR Rev. Α Issue Plan Revised Plan Issue Actual 14/03/2019 TPSK-LSPA1-T-PE-01067 Transmittal no Return Date 29/03/2019 Owner Cmmt\* PE OL1-2G43-3109 P&ID - Olefins Unit 10 - Butadiene Extraction Unit Class As built Purpose\*\* Issue Plan Revised Plan Issue Actual Transmittal no TPSK-LSPA1-T-PE-01067 Return Date 29/03/2019 Owner Cmm PE OL1-2G43-3110 P&ID - Olefins Unit 10 - Butadiene Extraction Unit IFR Α Issue Plan Revised Plan Issue Actual 14/03/2019 TPSK-LSPA1-T-PE-01067 Transmittal no. Return Date 29/03/2019 Owner Cmmt\* PE OL1-2G43-3111 P&ID - Olefins Unit 10 - Butadiene Extraction Unit Class As built IFR Purpose\*\* Issue Plan Revised Plan 14/03/2019 Issue Actual TPSK-LSPA1-T-PE-01067 Return Date 29/03/2019 Owner Cmmt\* PE OL1-2G43-3112 P&ID - Olefins Unit 10 - Butadiene Extraction Unit Class As built Purpose\*\* Α Issue Plan Revised Plan 14/03/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-PE-01067 29/03/2019 Return Date Owner Cmmt\* PE OL1-2G43-3113 P&ID - Olefins Unit 10 - Butadiene Extraction Unit Class As built Purpose\*\* IFR Α Issue Plan Revised Plan 14/03/2019 Issue Actual TPSK-LSPA1-T-PE-01067 Transmittal no. Return Date 29/03/2019 Owner Cmmt\* PE OL1-2G43-3901 P&ID - C4 UNIT - SOLVENT STORAGE IFR Purpose\*\* Α Issue Plan 20/02/2019 Revised Plan Issue Actual 14/03/2019 Transmittal no TPSK-LSPA1-T-PE-01067 29/03/2019 Return Date Owner Cmmt\* PE OL1-2G43-3902 P&ID - Olefins Unit 10 - C4 Unit Auxiliaries - Solven Class As built Purpose\*\* IFR Α Issue Plan Revised Plan 14/03/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-PE-01067 Return Date 29/03/2019 Owner Cmmt\* PE OL1-2G43-3903 P&ID - C4 UNIT - SOLVENT INHIBITOR INJECTION SY Class 2 IFR Purpose\*\* Issue Plan 20/02/2019 Revised Plan 14/03/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-01067 Return Date 29/03/2019 Owner Cmmt PE OL1-2G43-3904 P&ID - Olefins Unit 10 - C4 Unit Auxiliaries - Anti-Fq Class As built IFR Α Issue Plan Revised Plan Issue Actual 14/03/2019 TPSK-LSPA1-T-PE-01067 Transmittal no. Return Date 29/03/2019 Owner Cmmt\* R2 PE OL1-2G43-3905 P&ID - C4 UNIT - PRODUCT INHIBITOR INJECTION SY Class 2 Purpose\*\* Issue Plan 20/02/2019 Revised Plan Issue Actual Transmittal no. TPSK-LSPA1-T-PE-01067 Return Date 29/03/2019

ABBREVIATION Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information DOCUMENT NO. Master Document Index (MDI)

| IFR = Issue For Review | IFA = Issue For Approval | IFC = Issue For Construction | IFC = Issue For Construction | IFC = Issue For Construction | IFC = Issue For Planning | IFC = I \*\*Revision Purpose of Issued Document LONG SON A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days **Document Name** Classification R2 Owner Cmmt\* PE OL1-2G43-5001 P&ID - UTILITY SYSTEMS - DEMINERALIZATION Class 2 IFR Purpose\*\* Α Issue Plan 14/02/2019 Revised Plan 25/01/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-00718 Return Date 26/02/2019 Owner Cmmt\* PE OL1-2G43-5010 P&ID - UTILITY SYSTEMS - TREATED WATER IFR Rev. 14/02/2019 Issue Plan Revised Plan Issue Actual 13/12/2018 TPSK-LSPA1-T-PE-00491 Transmittal no Return Date 15/02/2019 Owner Cmmt\* PE OL1-2G43-5020 P&ID - UTILITY SYSTEMS - POTABLE WATER Purpose\*\* 14/02/2019 Issue Plan Revised Plan Issue Actual Transmittal no TPSK-LSPA1-T-PE-00718 Return Date 26/02/2019 Owner Cmm PE OL1-2G43-5101 P&ID - UTILITY SYSTEMS - STEAM LETDOWN STATIO Class 2 IFR Issue Plan 14/02/2019 Revised Plan Issue Actual 25/01/2019 TPSK-LSPA1-T-PE-00718 Transmittal no. Return Date 26/02/2019 Owner Cmmt\* PE OL1-2G43-5102 P&ID - UTILITY SYSTEMS - STEAM LETDOWN STATIOI Class 2 IFR Purpose\*\* Issue Plan 14/02/2019 Revised Plan 25/01/2019 Issue Actual TPSK-LSPA1-T-PE-00718 Return Date 26/02/2019 Owner Cmmt\* PE OL1-2G43-5103 P&ID - Olefins Unit 10 - BFW - Steam - Steam Conde Class As built Purpose\*\* Α 14/02/2019 Issue Plan Revised Plan 25/01/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-PE-00718 26/02/2019 Return Date Owner Cmmt\* PE OL1-2G43-5105 P&ID - UTILITY SYSTEMS - DEAERATOR Purpose\*\* IFR Issue Plan 14/02/2019 Revised Plan 25/01/2019 Issue Actual TPSK-LSPA1-T-PE-00718 Transmittal no. Return Date 26/02/2019 PE OL1-2G43-5110 P&ID - UTILITY SYSTEMS - SHP BOILER FEEDWATER F Class 2 Owner Cmmt\* IFR Purpose\*\* Α Issue Plan 14/02/2019 Revised Plan Issue Actual 25/01/2019 Transmittal no TPSK-LSPA1-T-PE-00718 26/02/2019 Return Date Owner Cmmt\* PE OL1-2G43-5111 P&ID - UTILITY SYSTEMS - BOILER FEEDWATER PUM Class 2 Purpose\*\* IFR Issue Plan 14/02/2019 Revised Plan 25/01/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-PE-00718 Return Date 26/02/2019 Owner Cmmt\* PE OL1-2G43-5113 P&ID - UTILITY SYSTEMS - SHP BOILER FEEDWATER I Class 2 IFR Purpose\*\* 14/02/2019 Issue Plan Revised Plan 25/01/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-00718 Return Date 26/02/2019 Owner Cmmt\* PE OL1-2G43-5114 P&ID - UTILITY SYSTEMS - BOILER FEEDWATER DISTF Class 2 IFR Issue Plan 14/02/2019 Revised Plan Issue Actual 25/01/2019 TPSK-LSPA1-T-PE-00718 Transmittal no. Return Date 26/02/2019 Owner Cmmt\* R2 PE OL1-2G43-5115 P&ID - UTILITY SYSTEMS - SUSPECT CONDENSATE FL Class 2 Purpose\*\* Issue Plan 14/02/2019 Revised Plan Issue Actual Transmittal no. TPSK-LSPA1-T-PE-00718 Return Date 26/02/2019

ABBREVIATION Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information DOCUMENT NO. Master Document Index (MDI)

| IFR = Issue For Review | IFA = Issue For Approval | IFC = Issue For Construction | IFC = Issue For Construction | IFC = Issue For Construction | IFC = Issue For Planning | IFC = I \*\*Revision Purpose of Issued Document LONG SON A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days **Document Name** Classification R2 Owner Cmmt\* PE OL1-2G43-5118 P&ID - UTILITY SYSTEMS - SUSPECT CONDENSATE CC Class 2 IFR Purpose\*\* Α Issue Plan 14/02/2019 Revised Plan 25/01/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-00718 Return Date 26/02/2019 Owner Cmmt\* PE OL1-2G43-5120 P&ID - UTILITY SYSTEMS - CONDENSATE CARBON FIL Class 2 IFR Rev. 14/02/2019 Issue Plan Revised Plan 25/01/2019 Issue Actual TPSK-LSPA1-T-PE-00718 Transmittal no Return Date 26/02/2019 Owner Cmmt\* PE OL1-2G43-5125 P&ID - UTILITY SYSTEMS - RAW CONDENSATE TANK Class 2 Purpose\*\* 14/02/2019 Issue Plan Revised Plan Issue Actual Transmittal no TPSK-LSPA1-T-PE-00718 Return Date 26/02/2019 Owner Cmm PE OL1-2G43-5127 P&ID - UTILITY SYSTEMS - CONDENSATE POLISHER Class 2 IFR Issue Plan 14/02/2019 Revised Plan Issue Actual 25/01/2019 TPSK-LSPA1-T-PE-00718 Transmittal no. Return Date 26/02/2019 Owner Cmmt\* PE OL1-2G43-5128 P&ID - Olefins Unit 10 - BFW - Steam - Steam Conde Class As built IFR Purpose\*\* Issue Plan 14/02/2019 Revised Plan 25/01/2019 Issue Actual TPSK-LSPA1-T-PE-00718 Return Date 26/02/2019 Owner Cmmt\* PE OL1-2G43-5130 P&ID - UTILITY SYSTEMS - CONDENSATE TANK Purpose\*\* Α 14/02/2019 Issue Plan Revised Plan 25/01/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-PE-00718 26/02/2019 Return Date Owner Cmmt\* PE OL1-2G43-5132 P&ID - UTILITY SYSTEMS - LOW PRESSURE CONDENS Class 2 Purpose\*\* IFR Issue Plan 14/02/2019 Revised Plan 25/01/2019 Issue Actual TPSK-LSPA1-T-PE-00718 Transmittal no. Return Date 26/02/2019 PE OL1-2G43-5134 P&ID - UTILITY SYSTEMS - INTERMITTENT FURNACE | Class 2 Owner Cmmt\* IFR Purpose\*\* Α Issue Plan 14/02/2019 Revised Plan Issue Actual 25/01/2019 Transmittal no TPSK-LSPA1-T-PE-00718 26/02/2019 Return Date Owner Cmmt\* R2 PE OL1-2G43-5140 P&ID - UTILITY SYSTEMS - SHP STEAM DISTRIBUTION Class 2 Purpose\*\* IFR Issue Plan 14/02/2019 Revised Plan 25/01/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-PE-00718 Return Date 26/02/2019 Owner Cmmt\* PE OL1-2G43-5143 P&ID - UTILITY SYSTEMS - HP STEAM DISTRIBUTION Class 2 IFR Purpose\*\* 14/02/2019 Issue Plan Revised Plan 25/01/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-00718 Return Date 26/02/2019 Owner Cmmt\* PE OL1-2G43-5144 P&ID - UTILITY SYSTEMS - HP STEAM DISTRIBUTION Class 2 IFR Α Issue Plan 14/02/2019 Revised Plan Issue Actual 25/01/2019 TPSK-LSPA1-T-PE-00718 Transmittal no. Return Date 26/02/2019 Owner Cmmt\* R2 PE OL1-2G43-5150 P&ID - UTILITY SYSTEMS - MP STEAM DISTRIBUTION Class 2 Purpose\*\* Issue Plan 14/02/2019 Revised Plan Issue Actual Transmittal no. TPSK-LSPA1-T-PE-00718 Return Date 26/02/2019

ABBREVIATION Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information DOCUMENT NO. Master Document Index (MDI)

| IFR = Issue For Review | IFA = Issue For Approval | IFC = Issue For Construction | IFC = Issue For Construction | IFC = Issue For Construction | IFC = Issue For Planning | IFC = I \*\*Revision Purpose of Issued Document LONG SON A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days **Document Name** Classification R2 Owner Cmmt\* PE OL1-2G43-5151 P&ID - UTILITY SYSTEMS - MP STEAM DISTRIBUTION Class 2 IFR Purpose\*\* Α Issue Plan 14/02/2019 Revised Plan 25/01/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-00718 Return Date 26/02/2019 Owner Cmmt\* PE OL1-2G43-5152 P&ID - UTILITY SYSTEMS - MP STEAM DISTRIBUTION Class 2 IFR Rev. 14/02/2019 Issue Plan Revised Plan 25/01/2019 Issue Actual TPSK-LSPA1-T-PE-00718 Transmittal no Return Date 26/02/2019 Owner Cmmt\* PE OL1-2G43-5160 P&ID - UTILITY SYSTEMS - LP STEAM DISTRIBUTION - Class 2 Purpose\*\* 14/02/2019 Issue Plan Revised Plan Issue Actual Transmittal no TPSK-LSPA1-T-PE-00718 Return Date 26/02/2019 Owner Cmm PE OL1-2G43-5161 P&ID - UTILITY SYSTEMS - LP STEAM DISTRIBUTION Class 2 IFR Issue Plan 14/02/2019 Revised Plan Issue Actual 25/01/2019 TPSK-LSPA1-T-PE-00718 Transmittal no. Return Date 26/02/2019 Owner Cmmt\* PE OL1-2G43-5162 P&ID - UTILITY SYSTEMS - LP STEAM DISTRIBUTION - Class 2 IFR Purpose\*\* Issue Plan 14/02/2019 Revised Plan 25/01/2019 Issue Actual TPSK-LSPA1-T-PE-00718 Return Date 26/02/2019 Owner Cmmt\* PE OL1-2G43-5163 P&ID - UTILITY SYSTEMS - LP STEAM DISTRIBUTION - Class 2 Purpose\*\* Α 14/02/2019 Issue Plan Revised Plan 25/01/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-PE-00718 26/02/2019 Return Date Owner Cmmt\* PE OL1-2G43-5164 P&ID - UTILITY SYSTEMS - LP STEAM DISTRIBUTION - Class 2 Purpose\*\* IFR Issue Plan 14/02/2019 Revised Plan 25/01/2019 Issue Actual TPSK-LSPA1-T-PE-00718 Transmittal no. Return Date 26/02/2019 PE OL1-2G43-5166 P&ID - Olefins Unit 10 - BFW - Steam - Steam Conde Class As built Owner Cmmt\* IFR Purpose\*\* Α Issue Plan Revised Plan Issue Actual 25/01/2019 Transmittal no TPSK-LSPA1-T-PE-00718 26/02/2019 Return Date Owner Cmmt\* PE OL1-2G43-5168 P&ID - Olefins Unit 10 - BFW - Steam - Steam Conde Class As built Purpose\*\* IFR Issue Plan 14/02/2019 Revised Plan 25/01/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-PE-00718 Return Date 26/02/2019 Owner Cmmt\* PE OL1-2G43-5170 P&ID - UTILITY SYSTEMS - SHP/HP CONDENSATE CO Class 2 IFR Purpose\*\* Issue Plan 14/02/2019 Revised Plan 25/01/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-00718 Return Date 26/02/2019 Owner Cmmt\* PE OL1-2G43-5172 P&ID - UTILITY SYSTEMS - MP CONDENSATE COLLEC Class 2 IFR Issue Plan 14/02/2019 Revised Plan Issue Actual 25/01/2019 TPSK-LSPA1-T-PE-00718 Transmittal no. Return Date 26/02/2019 Owner Cmmt\* R2 PE OL1-2G43-5176 P&ID - UTILITY SYSTEMS - LP CONDENSATE COLLECT Purpose\*\* Issue Plan 14/02/2019 Revised Plan Issue Actual Transmittal no. TPSK-LSPA1-T-PE-00718 Return Date 26/02/2019

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days **Document Name** Classification Owner Cmmt\* R2 PE OL1-2G43-5177 P&ID - Olefins Unit 10 - BFW - Steam - Steam Conde Class As built IFR Purpose\*\* Issue Plan Revised Plan 25/01/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-0071 Return Date 26/02/2019 Owner Cmmt\* PE OL1-2G43-5178 P&ID - Olefins Unit 10 - BFW - Steam - Steam Conde Class As built IFR Rev. 14/02/2019 Issue Plan Revised Plan 25/01/2019 Issue Actual TPSK-LSPA1-T-PE-00718 Transmittal no Return Date 26/02/2019 Owner Cmmt\* PE OL1-2G43-5179 P&ID - UTILITY SYSTEMS - VLP CONDENSATE COLLEC Class 2 Purpose\*\* 14/02/2019 Issue Plan Revised Plan Issue Actual Transmittal no TPSK-LSPA1-T-PE-00718 Return Date 26/02/2019 PE OL1-2G43-5201 P&ID - UTILITY SYSTEMS - FUEL GAS SYSTEM Owner Cmm IFR Issue Plan 14/02/2019 Revised Plan Issue Actual 31/01/2019 TPSK-LSPA1-T-PE-00776 Transmittal no. Return Date 26/02/2019 Owner Cmmt\* PE OL1-2G43-5202 P&ID - Olefins Unit 10 - Fuel System - Fuel Gas Drun Class As built IFR Purpose\*\* Issue Plan 14/02/2019 Revised Plan 31/01/2019 Issue Actual TPSK-LSPA1-T-PE-00776 Return Date 26/02/2019 Owner Cmmt\* PE OL1-2G43-5203 P&ID - UTILITY SYSTEMS - PILOT GAS VAPORIZER AN Class 2 Purpose\*\* Α 14/02/2019 Issue Plan Revised Plan 31/01/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-PE-00776 26/02/2019 Return Date Owner Cmmt\* PE OL1-2G43-5210 P&ID - UTILITY SYSTEMS - FUEL GAS DISTRIBUTION - Class 2 Purpose\*\* IFR Issue Plan 14/02/2019 Revised Plan 31/01/2019 Issue Actual TPSK-LSPA1-T-PE-00776 Transmittal no. Return Date 26/02/2019 PE OL1-2G43-5211 P&ID - UTILITY SYSTEMS - FUEL GAS DISTRIBUTION - Class 2 Owner Cmmt\* IFR Purpose\*\* Α Issue Plan 14/02/2019 Revised Plan Issue Actual 31/01/2019 Transmittal no TPSK-LSPA1-T-PE-00776 26/02/2019 Return Date Owner Cmmt\* PE OL1-2G43-5301 P&ID - COOLING WATER TOWER - COOLING TOWER Class 2 Purpose\*\* IFR Issue Plan 14/02/2019 Revised Plan 13/12/2018 Issue Actual Transmittal no. TPSK-LSPA1-T-PE-00491 Return Date 15/02/2019 Owner Cmmt\* PE OL1-2G43-5302 P&ID - UTILITY SYSTEMS - COOLING TOWER - SHEET Class 2 IFR Purpose\*\* Issue Plan 14/02/2019 Revised Plan 13/12/2018 Issue Actual Transmittal no TPSK-LSPA1-T-PE-00491 Return Date 15/02/2019 Owner Cmmt\* PE OL1-2G43-5303 P&ID - Olefins Unit 10 - Cooling Water - Cooling To Class As built IFR Issue Plan 14/02/2019 Revised Plan Issue Actual 13/12/2018 TPSK-LSPA1-T-PE-00491 Transmittal no. Return Date 15/02/2019 Owner Cmmt\* R2 PE OL1-2G43-5305 P&ID - UTILITY SYSTEMS - COOLING WATER SUPPLY Class 2 Purpose\*\* Issue Plan 14/02/2019 Revised Plan Issue Actual 13/12/2018 Transmittal no. TPSK-LSPA1-T-PE-00491 Return Date 15/02/2019

ABBREVIATION Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information DOCUMENT NO. Master Document Index (MDI)

| IFR = Issue For Review | IFA = Issue For Approval | IFC = Issue For Construction | IFC = Issue For Construction | IFC = Issue For Construction | IFC = Issue For Planning | IFC = I \*\*Revision Purpose of Issued Document LONG SON A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification Owner Cmmt\* R2 PE OL1-2G43-5306 P&ID - UTILITY SYSTEMS - COOLING WATER SUPPLY Class 2 IFR Purpose\*\* Α Issue Plan 14/02/2019 Revised Plan 13/12/2018 Issue Actual Transmittal no Return Date 15/02/2019 Owner Cmmt\* PE OL1-2G43-5307 P&ID - UTILITY SYSTEMS - CTU COOLING WATER SUF Class 2 IFR Rev. 14/02/2019 Issue Plan Revised Plan Issue Actual 13/12/2018 TPSK-LSPA1-T-PE-00491 Transmittal no Return Date 15/02/2019 Owner Cmmt\* PE OL1-2G43-5310 P&ID - UTILITY SYSTEMS - COOLING WATER SUPPY Class 2 Purpose\*\* 14/02/2019 Issue Plan Revised Plan Issue Actual Transmittal no TPSK-LSPA1-T-PE-00491 Return Date 15/02/2019 Owner Cmm PE OL1-2G43-5311 P&ID - UTILITY SYSTEMS - CTU COOLING WATER SUF Class 2 IFR Issue Plan 14/02/2019 Revised Plan Issue Actual 13/12/2018 TPSK-LSPA1-T-PE-00491 Transmittal no. Return Date 15/02/2019 Owner Cmmt\* PE OL1-2G43-5315 P&ID - UTILITY SYSTEMS - COOLING WATER SIDE STF Class 2 IFR Purpose\*\* Issue Plan 14/02/2019 Revised Plan 13/12/2018 Issue Actual TPSK-LSPA1-T-PE-00491 Return Date 15/02/2019 Owner Cmmt\* PE OL1-2G43-5317 P&ID - UTILITY SYSTEMS - COOLING WATER FILTER B Class 2 Purpose\*\* Α 14/02/2019 Issue Plan Revised Plan 13/12/2018 Issue Actual Transmittal no. TPSK-LSPA1-T-PE-00491 15/02/2019 Return Date Owner Cmmt\* PE OL1-2G43-5320 P&ID - UTILITY SYSTEMS - COOLING WATER DISTRIB Class 2 Purpose\*\* IFR Issue Plan 14/02/2019 Revised Plan 13/12/2018 Issue Actual TPSK-LSPA1-T-PE-00491 Transmittal no. Return Date 15/02/2019 PE OL1-2G43-5321 P&ID - UTILITY SYSTEMS - COOLING WATER DISTRIB Class 2 Owner Cmmt\* IFR Purpose\*\* Α Issue Plan 14/02/2019 Revised Plan Issue Actual 13/12/2018 Transmittal no TPSK-LSPA1-T-PE-00491 15/02/2019 Return Date Owner Cmmt\* PE OL1-2G43-5322 P&ID - UTILITY SYSTEMS - COOLING WATER DISTRIB Class 2 Purpose\*\* IFR Issue Plan 14/02/2019 Revised Plan 13/12/2018 Issue Actual Transmittal no. TPSK-LSPA1-T-PE-00491 Return Date 15/02/2019 Owner Cmmt\* PE OL1-2G43-5323 P&ID - UTILITY SYSTEMS - COOLING WATER DISTRIB Class 2 IFR Purpose\*\* 14/02/2019 Issue Plan Revised Plan 13/12/2018 Issue Actual Transmittal no TPSK-LSPA1-T-PE-00491 Return Date 15/02/2019 Owner Cmmt\* PE OL1-2G43-5324 P&ID - UTILITY SYSTEMS - COOLING WATER DISTRIB Class 2 IFR Issue Plan 14/02/2019 Revised Plan Issue Actual 13/12/2018 TPSK-LSPA1-T-PE-00491 Transmittal no. Return Date 15/02/2019 Owner Cmmt\* R2 PE OL1-2G43-5325 P&ID - UTILITY SYSTEMS - COOLING WATER DISTRIB Class 2 Purpose\*\* Issue Plan 14/02/2019 Revised Plan Issue Actual 13/12/2018 Transmittal no. TPSK-LSPA1-T-PE-00491 Return Date 15/02/2019

ABBREVIATION Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information DOCUMENT NO. Master Document Index (MDI)

| IFR = Issue For Review | IFA = Issue For Approval | IFC = Issue For Construction | IFC = Issue For Construction | IFC = Issue For Construction | IFC = Issue For Planning | IFC = I \*\*Revision Purpose of Issued Document LONG SON A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification Owner Cmmt\* R2 PE OL1-2G43-5326 P&ID - UTILITY SYSTEMS - COOLING WATER DISTRIB Class 2 IFR Purpose\*\* Α Issue Plan 14/02/2019 Revised Plan 13/12/2018 Issue Actual Transmittal no Return Date 15/02/2019 Owner Cmmt\* PE OL1-2G43-5351 P&ID - Olefins Unit 10 - Cooling Water - Cooling W Class As built IFR Rev. 14/02/2019 Issue Plan Revised Plan Issue Actual 13/12/2018 TPSK-LSPA1-T-PE-00491 Transmittal no Return Date 15/02/2019 Owner Cmmt\* PE OL1-2G43-5352 P&ID - Olefins Unit 10 - Cooling Water - Cooling W Class As built Purpose\*\* 14/02/2019 Issue Plan Revised Plan Issue Actual Transmittal no TPSK-LSPA1-T-PE-00491 Return Date 15/02/2019 PE OL1-2G43-5401 P&ID - UTILITY SYSTEMS - PLANT AIR DISTRIBUTION Class 2 Owner Cmm IFR Issue Plan 14/02/2019 Revised Plan Issue Actual 29/01/2019 TPSK-LSPA1-T-PE-00758 Transmittal no. Return Date 26/02/2019 Owner Cmmt\* PE OL1-2G43-5402 P&ID - UTILITY SYSTEMS - PLANT AIR DISTRIBUTION Class 2 IFR Purpose\*\* Issue Plan 14/02/2019 Revised Plan 29/01/2019 Issue Actual TPSK-LSPA1-T-PE-00758 Return Date 26/02/2019 Owner Cmmt\* PE OL1-2G43-5403 P&ID - UTILITY SYSTEMS - PLANT AIR DISTRIBUTION Class 2 Purpose\*\* Α 14/02/2019 Issue Plan Revised Plan 29/01/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-PE-00758 26/02/2019 Return Date Owner Cmmt\* PE OL1-2G43-5404 P&ID - UTILITY SYSTEMS - PLANT AIR DISTRIBUTION Class 2 Purpose\*\* IFR Issue Plan 14/02/2019 Revised Plan 29/01/2019 Issue Actual TPSK-LSPA1-T-PE-00758 Transmittal no. Return Date 26/02/2019 PE OL1-2G43-5410 P&ID - UTILITY SYSTEMS - INSTRUMENT AIR RECEIVE Class 2 Owner Cmmt\* IFR Purpose\*\* Α Issue Plan 14/02/2019 Revised Plan Issue Actual 29/01/2019 Transmittal no TPSK-LSPA1-T-PE-00758 26/02/2019 Return Date Owner Cmmt\* PE OL1-2G43-5411 P&ID - UTILITY SYSTEMS - INSTRUMENT AIR DISTRIB Class 2 Purpose\*\* IFR Issue Plan 14/02/2019 Revised Plan 29/01/2019 Issue Actual TPSK-LSPA1-T-PE-00758 Transmittal no Return Date 26/02/2019 Owner Cmmt\* PE OL1-2G43-5412 P&ID - UTILITY SYSTEMS - INSTRUMENT AIR DISTRIB Class 2 IFR Purpose\*\* Issue Plan 14/02/2019 Revised Plan 29/01/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-00758 Return Date 26/02/2019 Owner Cmmt\* PE OL1-2G43-5420 P&ID - UTILITY SYSTEMS - NITROGEN DISTRIBUTION Class 2 IFR Issue Plan 14/02/2019 Revised Plan Issue Actual 29/01/2019 TPSK-LSPA1-T-PE-00758 Transmittal no. Return Date 26/02/2019 Owner Cmmt\* R2 PE OL1-2G43-5421 P&ID - UTILITY SYSTEMS - NITROGEN DISTRIBUTION Class 2 Purpose\*\* Issue Plan 14/02/2019 Revised Plan Issue Actual Transmittal no. TPSK-LSPA1-T-PE-00758 Return Date 26/02/2019

ABBREVIATION \*\*\*Classification
Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information DOCUMENT NO. Master Document Index (MDI)

| IFR = Issue For Review | IFA = Issue For Approval | IFC = Issue For Construction | IFC = Issue For Construction | IFC = Issue For Construction | IFC = Issue For Planning | IFC = I \*\*Revision Purpose of Issued Document LONG SON A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days **Document Name** Classification Owner Cmmt\* R2 PE OL1-2G43-5422 P&ID - UTILITY SYSTEMS - NITROGEN DISTRIBUTION Class 2 IFR Purpose\*\* Α Issue Plan 14/02/2019 Revised Plan 29/01/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-0075 Return Date 26/02/2019 Owner Cmmt\* PE OL1-2G43-5424 P&ID - UTILITY SYSTEMS - NITROGEN DISTRIBUTION Class 2 IFR Rev. 14/02/2019 Issue Plan Revised Plan 29/01/2019 Issue Actual TPSK-LSPA1-T-PE-00758 Transmittal no Return Date 26/02/2019 Owner Cmmt\* PE OL1-2G43-5425 P&ID - UTILITY SYSTEMS - NITROGEN DISTRIBUTION Class 2 Purpose\*\* 14/02/2019 Issue Plan Revised Plan Issue Actual Transmittal no TPSK-LSPA1-T-PE-00758 Return Date 26/02/2019 Owner Cmm PE OL1-2G43-5426 P&ID - Olefins Unit 10 - Plant Air - Instrument Air - Class As bi IFR Α Issue Plan Revised Plan Issue Actual 29/01/2019 TPSK-LSPA1-T-PE-00758 Transmittal no. Return Date 26/02/2019 Owner Cmmt\* PE OL1-2G43-5501 P&ID - UTILITY SYSTEMS - HOT FLARE KO DRUM Class 2 IFR Purpose\*\* Issue Plan 14/02/2019 Revised Plan 23/01/2019 Issue Actual TPSK-LSPA1-T-PE-00706 Return Date 15/02/2019 Owner Cmmt\* PE OL1-2G43-5502 P&ID - UTILITY SYSTEMS - COLD FLARE KO DRUM Class 2 Purpose\*\* Α 14/02/2019 Issue Plan Revised Plan 23/01/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-PE-00706 15/02/2019 Return Date Owner Cmmt\* PE OL1-2G43-5503 P&ID - Olefins Unit 10 - Vent Gas And Flare System Class As built Purpose\*\* IFR Issue Plan 14/02/2019 Revised Plan 23/01/2019 Issue Actual TPSK-LSPA1-T-PE-00706 Transmittal no. Return Date 15/02/2019 PE OL1-2G43-5510 P&ID - UTILITY SYSTEMS - WET FLARE HEADER - SHEE Class 2 Owner Cmmt\* IFR Purpose\*\* Α Issue Plan 14/02/2019 Revised Plan Issue Actual 23/01/2019 Transmittal no TPSK-LSPA1-T-PE-00706 15/02/2019 Return Date Owner Cmmt\* R2 PE OL1-2G43-5511 P&ID - UTILITY SYSTEMS - WET FLARE HEADER - SHEE Class 2 Purpose\*\* IFR Issue Plan 14/02/2019 Revised Plan 23/01/2019 Issue Actual TPSK-LSPA1-T-PE-00706 Transmittal no Return Date 15/02/2019 Owner Cmmt\* PE OL1-2G43-5512 P&ID - UTILITY SYSTEMS - WET FLARE HEADER - SHEL Class 2 IFR Purpose\*\* 14/02/2019 Issue Plan Revised Plan 23/01/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-0070 Return Date 15/02/2019 Owner Cmmt\* PE OL1-2G43-5514 P&ID - UTILITY SYSTEMS - WET FLARE HEADER - SHEL Class 2 IFR Α Issue Plan 14/02/2019 Revised Plan Issue Actual 23/01/2019 TPSK-LSPA1-T-PE-00706 Transmittal no. Return Date 15/02/2019 Owner Cmmt\* R2 PE OL1-2G43-5516 P&ID - Olefins Unit 10 - Vent Gas And Flare System Class As built Purpose\*\* Issue Plan Revised Plan Issue Actual 23/01/2019 Transmittal no. TPSK-LSPA1-T-PE-00706 Return Date 15/02/2019

ABBREVIATION Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information DOCUMENT NO. Master Document Index (MDI)

| IFR = Issue For Review | IFA = Issue For Approval | IFC = Issue For Construction | IFC = Issue For Construction | IFC = Issue For Construction | IFC = Issue For Planning | IFC = I \*\*Revision Purpose of Issued Document LONG SON A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days **Document Name** Classification Owner Cmmt\* R2 PE OL1-2G43-5518 P&ID - Olefins Unit 10 - Vent Gas And Flare System Class As built IFR Purpose\*\* Issue Plan Revised Plan 23/01/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-0070 Return Date 15/02/2019 Owner Cmmt\* PE OL1-2G43-5519 P&ID - Olefins Unit 10 - Vent Gas And Flare System Class As built IFR Rev. 14/02/2019 Issue Plan Revised Plan 23/01/2019 Issue Actual TPSK-LSPA1-T-PE-00706 Transmittal no Return Date 15/02/2019 Owner Cmmt\* PE OL1-2G43-5520 P&ID - UTILITY SYSTEMS - COLD FLARE HEADER - SHI Class 2 Purpose\*\* 14/02/2019 Issue Plan Revised Plan Issue Actual Transmittal no TPSK-LSPA1-T-PE-00706 Return Date 15/02/2019 Owner Cmm PE OL1-2G43-5521 P&ID - UTILITY SYSTEMS - COLD FLARE HEADER - SHI Class 2 IFR Issue Plan 14/02/2019 Revised Plan Issue Actual 23/01/2019 TPSK-LSPA1-T-PE-00706 Transmittal no. Return Date 15/02/2019 Owner Cmmt\* PE OL1-2G43-5523 P&ID - UTILITY SYSTEMS - COLD FLARE HEADER - SHI Class 2 IFR Purpose\*\* Issue Plan 14/02/2019 Revised Plan 23/01/2019 Issue Actual TPSK-LSPA1-T-PE-00706 Return Date 15/02/2019 Owner Cmmt\* PE OL1-2G43-5524 P&ID - Olefins Unit 10 - Vent Gas And Flare System Class As built Purpose\*\* Α Issue Plan Revised Plan 23/01/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-PE-00706 15/02/2019 Return Date Owner Cmmt\* PE OL1-2G43-5526 P&ID - UTILITY SYSTEMS - PROPYLENE BLOWDOWN Class 2 Purpose\*\* IFR Issue Plan 14/02/2019 Revised Plan 23/01/2019 Issue Actual TPSK-LSPA1-T-PE-00706 Transmittal no. Return Date 15/02/2019 PE OL1-2G43-5528 P&ID - Olefins Unit 10 - Vent Gas And Flare System Class As built Owner Cmmt\* IFR Purpose\*\* Α Issue Plan Revised Plan Issue Actual 23/01/2019 Transmittal no TPSK-LSPA1-T-PE-00706 15/02/2019 Return Date Owner Cmmt\* PE OL1-2G43-5529 P&ID - Olefins Unit 10 - Vent Gas And Flare System Class As built Purpose\*\* IFR Α Issue Plan Revised Plan 23/01/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-PE-00706 Return Date 15/02/2019 Owner Cmmt\* PE OL1-2G43-5531 P&ID - UTILITY SYSTEMS - HOT BLOWDOWN HEADE Class 2 IFR Purpose\*\* Issue Plan 14/02/2019 Revised Plan 23/01/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-0070 Return Date 15/02/2019 Owner Cmmt\* PE OL1-2G43-5533 P&ID - UTILITY SYSTEMS - HOT BLOWDOWN HEADE Class 2 IFR Issue Plan 14/02/2019 Revised Plan Issue Actual 23/01/2019 TPSK-LSPA1-T-PE-00706 Transmittal no. Return Date 15/02/2019 Owner Cmmt\* R2 PE OL1-2G43-5534 P&ID - Olefins Unit 10 - Vent Gas And Flare System Class As built Purpose\*\* Issue Plan Revised Plan Issue Actual 23/01/2019 Transmittal no. TPSK-LSPA1-T-PE-00706 Return Date 15/02/2019

ABBREVIATION Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information DOCUMENT NO. Master Document Index (MDI)

| IFR = Issue For Review | IFA = Issue For Approval | IFC = Issue For Construction | IFC = Issue For Construction | IFC = Issue For Construction | IFC = Issue For Planning | IFC = I \*\*Revision Purpose of Issued Document LONG SON A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days **Document Name** Classification Owner Cmmt\* R2 PE OL1-2G43-5535 P&ID - Olefins Unit 10 - Vent Gas And Flare System Class As built IFR Purpose\*\* Α Issue Plan Revised Plan 23/01/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-0070 Return Date 15/02/2019 Owner Cmmt\* PE OL1-2G43-5536 P&ID - UTILITY SYSTEMS - COLD BLOWDOWN HEAD Class 2 IFR Rev. 14/02/2019 Issue Plan Revised Plan 23/01/2019 Issue Actual TPSK-LSPA1-T-PE-00706 Transmittal no Return Date 15/02/2019 Owner Cmmt\* PE OL1-2G43-5540 P&ID - UTILITY SYSTEMS - VOC VENT COLLECTION SY Class 2 Purpose\*\* 14/02/2019 Issue Plan Revised Plan Issue Actual Transmittal no TPSK-LSPA1-T-PE-00706 Return Date 15/02/2019 Owner Cmm PE OL1-2G43-5542 P&ID - Olefins Unit 10 - Vent Gas And Flare System Class As but IFR Α Issue Plan Revised Plan Issue Actual 23/01/2019 TPSK-LSPA1-T-PE-00706 Transmittal no. Return Date 15/02/2019 Owner Cmmt\* PE OL1-2G43-5545 P&ID - Olefins Unit 10 - Vent Gas And Flare System Class As built IFR Purpose\*\* Α Issue Plan Revised Plan 23/01/2019 Issue Actual TPSK-LSPA1-T-PE-00706 Return Date 15/02/2019 Owner Cmmt\* PE OL1-2G43-5546 P&ID - Olefins Unit 10 - Vent Gas And Flare System Class As built Purpose\*\* Α 14/02/2019 Issue Plan Revised Plan 23/01/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-PE-00706 15/02/2019 Return Date Owner Cmmt\* PE OL1-2G43-5551 P&ID - UTILITY SYSTEMS - HP FLARE KO DRUM Purpose\*\* IFR Issue Plan 14/02/2019 Revised Plan 23/01/2019 Issue Actual TPSK-LSPA1-T-PE-00706 Transmittal no. Return Date 15/02/2019 PE OL1-2G43-5553 P&ID - UTILITY SYSTEMS - HP FLARE PILOT GAS Owner Cmmt\* IFR Purpose\*\* Α Issue Plan 14/02/2019 Revised Plan Issue Actual 23/01/2019 Transmittal no TPSK-LSPA1-T-PE-00706 15/02/2019 Return Date Owner Cmmt\* R2 PE OL1-2G43-5555 P&ID - UTILITY SYSTEMS - HP FLARE Purpose\*\* IFR Issue Plan 14/02/2019 Revised Plan 23/01/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-PE-00706 Return Date 15/02/2019 Owner Cmmt\* PE OL1-2G43-5575 P&ID - UTILITY SYSTEMS - LLDPE FLARE IFR Purpose\*\* 14/02/2019 Issue Plan Revised Plan 23/01/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-0070 Return Date 15/02/2019 Owner Cmmt\* PE OL1-2G43-5601 P&ID - UTILITY SYSTEMS - ISBL OILY WATER COLLECT Class 2 IFR Α Issue Plan 14/02/2019 Revised Plan Issue Actual 15/02/2019 TPSK-LSPA1-T-PE-00855 Transmittal no. Return Date 13/03/2019 Owner Cmmt\* R2 PE OL1-2G43-5602 P&ID - UTILITY SYSTEMS - ISBL OILY WATER COLLECT Class 2 Purpose\*\* Issue Plan 14/02/2019 Revised Plan Issue Actual Transmittal no. TPSK-LSPA1-T-PE-00855 Return Date 13/03/2019

ABBREVIATION Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information DOCUMENT NO. Master Document Index (MDI)

| IFR = Issue For Review | IFA = Issue For Approval | IFC = Issue For Construction | IFC = Issue For Construction | IFC = Issue For Construction | IFC = Issue For Planning | IFC = I \*\*Revision Purpose of Issued Document LONG SON A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification Owner Cmmt\* R2 PE OL1-2G43-5603 P&ID - UTILITY SYSTEMS - ISBL OILY WATER COLLECT Class 2 IFR Purpose\*\* Α Issue Plan 14/02/2019 Revised Plan 15/02/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-0085 Return Date 13/03/2019 Owner Cmmt\* PE OL1-2G43-5604 P&ID - UTILITY SYSTEMS - ISBL OILY WATER COLLECT Class 2 IFR Rev. 14/02/2019 Issue Plan Revised Plan Issue Actual 15/02/2019 TPSK-LSPA1-T-PE-00855 Transmittal no Return Date 13/03/2019 Owner Cmmt\* PE OL1-2G43-5605 P&ID - UTILITY SYSTEMS - ISBL OILY WATER COLLECT Class 2 Purpose\*\* 14/02/2019 Issue Plan Revised Plan Issue Actual Transmittal no TPSK-LSPA1-T-PE-00855 Return Date 13/03/2019 Owner Cmm PE OL1-2G43-5606 P&ID - UTILITY SYSTEMS - ISBL OILY WATER COLLEC Class 2 IFR Issue Plan 14/02/2019 Revised Plan Issue Actual 15/02/2019 TPSK-LSPA1-T-PE-00855 Transmittal no. Return Date 13/03/2019 Owner Cmmt\* PE OL1-2G43-5607 P&ID - UTILITY SYSTEMS - ISBL OILY WATER COLLECT Class 2 IFR Purpose\*\* Issue Plan 14/02/2019 Revised Plan 15/02/2019 Issue Actual TPSK-LSPA1-T-PE-00855 Return Date 13/03/2019 Owner Cmmt\* PE OL1-2G43-5608 P&ID - Olefins Unit 10 - Wastewater - C3 Hydrog Ar Class As built Purpose\*\* Α Issue Plan Revised Plan 15/02/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-PE-00855 13/03/2019 Return Date Owner Cmmt\* PE OL1-2G43-5609 P&ID - Olefins Unit 10 - Wastewater - Flare Kod Are Class As built Purpose\*\* IFR Α Issue Plan Revised Plan 15/02/2019 Issue Actual TPSK-LSPA1-T-PE-00855 Transmittal no. Return Date 13/03/2019 PE OL1-2G43-5610 P&ID - Olefins Unit 10 - Wastewater - Oily Waste W Class As built Owner Cmmt\* IFR Purpose\*\* Α Issue Plan Revised Plan Issue Actual 15/02/2019 Transmittal no TPSK-LSPA1-T-PE-00855 13/03/2019 Return Date Owner Cmmt\* R2 PE OL1-2G43-5620 P&ID - UTILITY SYSTEMS - OLEFINS STORM WATER C Class 2 Purpose\*\* IFR Issue Plan 14/02/2019 Revised Plan 15/02/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-PE-00855 Return Date 13/03/2019 Owner Cmmt\* PE OL1-2G43-5621 P&ID - Olefins Unit 10 - Wastewater - HP Flare Area Class As built IFR Purpose\*\* Α Issue Plan Revised Plan 15/02/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-00855 Return Date 13/03/2019 Owner Cmmt\* PE OL1-2G43-5630 P&ID - UTILITY SYSTEMS - OLEFINS HOLDING BASIN Class 2 IFR Issue Plan 14/02/2019 Revised Plan Issue Actual 15/02/2019 TPSK-LSPA1-T-PE-00855 Transmittal no. Return Date 13/03/2019 Owner Cmmt\* R2 PE OL1-2G43-5631 P&ID - Olefins Unit 10 - Wastewater - Olefins Holdi Class As built Purpose\*\* Issue Plan Revised Plan Issue Actual 15/02/2019 Transmittal no. TPSK-LSPA1-T-PE-00855 Return Date 13/03/2019

ABBREVIATION Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information DOCUMENT NO. Master Document Index (MDI)

| IFR = Issue For Review | IFA = Issue For Approval | IFC = Issue For Construction | IFC = Issue For Construction | IFC = Issue For Construction | IFC = Issue For Planning | IFC = I \*\*Revision Purpose of Issued Document LONG SON A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification Owner Cmmt\* R2 PE OL1-2G43-5640 P&ID - UTILITY SYSTEMS - SANITARY LIFT STATION - S Class 2 IFR Purpose\*\* Α Issue Plan 14/02/2019 Revised Plan 15/02/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-0085 Return Date 13/03/2019 Owner Cmmt\* PE OL1-2G43-5641 P&ID - UTILITY SYSTEMS - SANITARY LIFT STATION - S Class 2 IFR Rev. 14/02/2019 Issue Plan Revised Plan Issue Actual 15/02/2019 TPSK-LSPA1-T-PE-00855 Transmittal no Return Date 13/03/2019 Owner Cmmt\* PE OL1-2G43-5642 P&ID - Olefins Unit 10 - Wastewater - Sanitary Lift S Class As built Purpose\*\* Issue Plan Revised Plan Issue Actual Transmittal no TPSK-LSPA1-T-PE-00855 Return Date 13/03/2019 Owner Cmm PE OL1-2G43-5649 P&ID - Olefins Unit 10 - Wastewater - HP Flare Area Class As bi IFR Α Issue Plan Revised Plan Issue Actual 15/02/2019 TPSK-LSPA1-T-PE-00855 Transmittal no. Return Date 13/03/2019 Owner Cmmt\* PE OL1-2G43-5650 P&ID - Olefins Unit 10 - Wastewater - CT Area Oily V Class As built IFR Purpose\*\* Α Issue Plan Revised Plan 15/02/2019 Issue Actual TPSK-LSPA1-T-PE-00855 Return Date 13/03/2019 Owner Cmmt\* PE OL1-2G43-5651 P&ID - UTILITY SYSTEMS - OSBL OILY WATER COLLEC Class 2 Purpose\*\* Α 14/02/2019 Issue Plan Revised Plan 15/02/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-PE-00855 13/03/2019 Return Date Owner Cmmt\* PE OL1-2G43-5652 P&ID - UTILITY SYSTEMS - OSBL OILY WATER COLLEC Class 2 Purpose\*\* IFR Issue Plan 14/02/2019 Revised Plan 15/02/2019 Issue Actual TPSK-LSPA1-T-PE-00855 Transmittal no. Return Date 13/03/2019 PE OL1-2G43-5653 P&ID - UTILITY SYSTEMS - OSBL OILY WATER COLLEC Class 2 Owner Cmmt\* IFR Purpose\*\* Α Issue Plan 14/02/2019 Revised Plan Issue Actual 15/02/2019 Transmittal no TPSK-LSPA1-T-PE-00855 13/03/2019 Return Date Owner Cmmt\* PE OL1-2G43-5654 P&ID - Olefins Unit 10 - Wastewater - Equalization Class As built Purpose\*\* IFR Α Issue Plan Revised Plan 15/02/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-PE-00855 Return Date 13/03/2019 Owner Cmmt\* PE OL1-2G43-5655 P&ID - Olefins Unit 10 - Wastewater - Waste Water Class As built IFR Purpose\*\* Α Issue Plan Revised Plan 15/02/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-00855 Return Date 13/03/2019 Owner Cmmt\* PE OL1-2G43-5656 P&ID - Olefins Unit 10 - Wastewater - Domestic Wa Class As built IFR Α Issue Plan Revised Plan Issue Actual 15/02/2019 TPSK-LSPA1-T-PE-00855 Transmittal no. Return Date 13/03/2019 Owner Cmmt\* R2 PE OL1-2G43-5657 P&ID - Olefins Unit 10 - Wastewater - Bio Equalizati Class As built Purpose\*\* Issue Plan Revised Plan Issue Actual 15/02/2019 Transmittal no. TPSK-LSPA1-T-PE-00855 Return Date 13/03/2019

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days **Document Name** Classification Owner Cmmt\* R2 PE OL1-2G43-5658 P&ID - Olefins Unit 10 - Wastewater - Bio Treatmen Class As built IFR Purpose\*\* Issue Plan Revised Plan 15/02/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-0085 Return Date 13/03/2019 Owner Cmmt\* PE OL1-2G43-5660 P&ID - Olefins Unit 10 - Wastewater - Final Check B Class As built IFR Rev. Α Issue Plan Revised Plan Issue Actual 15/02/2019 TPSK-LSPA1-T-PE-00855 Transmittal no Return Date 13/03/2019 Owner Cmmt\* PE OL1-2G43-5662 P&ID - Olefins Unit 10 - Wastewater - Dewatering S Class As built Purpose\*\* Issue Plan Revised Plan Issue Actual Transmittal no TPSK-LSPA1-T-PE-00855 Return Date 13/03/2019 Owner Cmm PE OL1-2G43-5665 P&ID - Olefins Unit 10 - Wastewater - Slop Oil Tank Class As bu IFR Α Issue Plan Revised Plan Issue Actual 15/02/2019 TPSK-LSPA1-T-PE-00855 Transmittal no. Return Date 13/03/2019 Owner Cmmt\* PE OL1-2G43-5666 P&ID - Olefins Unit 10 - Wastewater - Slop Oil Tank Class As built IFR Purpose\*\* Α Issue Plan Revised Plan 15/02/2019 Issue Actual TPSK-LSPA1-T-PE-00855 Return Date 13/03/2019 Owner Cmmt\* PE OL1-2G43-5667 P&ID - Olefins Unit 10 - Wastewater - Oily Sludge Ta Class As built Purpose\*\* Α Issue Plan Revised Plan 15/02/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-PE-00855 13/03/2019 Return Date Owner Cmmt\* PE OL1-2G43-5903 P&ID - UTILITY SYSTEMS - COOLING WATER HYPOCH Class 2 Purpose\*\* IFR Issue Plan 14/02/2019 Revised Plan 13/12/2018 Issue Actual TPSK-LSPA1-T-PE-00491 Transmittal no. Return Date 15/02/2019 PE OL1-2G43-5904 P&ID - Olefins Unit 10 - Supporting Utilities Auxilia Class As built Owner Cmmt\* IFR Purpose\*\* Α Issue Plan 14/02/2019 Revised Plan Issue Actual 13/12/2018 Transmittal no TPSK-LSPA1-T-PE-00491 15/02/2019 Return Date Owner Cmmt\* PE OL1-2G43-5905 P&ID - UTILITY SYSTEMS - NEUTRALIZING AMINE INJ Class 2 Purpose\*\* IFR Issue Plan 14/02/2019 Revised Plan 31/01/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-PE-00776 Return Date 26/02/2019 Owner Cmmt\* PE OL1-2G43-5907 P&ID - UTILITY SYSTEMS - OXYGEN SCAVENGER INJE Class 2 IFR Purpose\*\* Issue Plan 14/02/2019 Revised Plan 31/01/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-00776 Return Date 26/02/2019 Owner Cmmt\* PE OL1-2G43-5908 P&ID - Olefins Unit 10 - Supporting Utilities Auxilia Class As built IFR Issue Plan 14/02/2019 Revised Plan Issue Actual 31/01/2019 TPSK-LSPA1-T-PE-00776 Transmittal no. Return Date 26/02/2019 Owner Cmmt\* R2 PE OL1-2G43-5915 P&ID - Olefins Unit 10 - Supporting Utilities Auxilia Class As built Purpose\*\* Issue Plan 14/02/2019 Revised Plan Issue Actual 31/01/2019 Transmittal no. TPSK-LSPA1-T-PE-00776 Return Date 26/02/2019

ABBREVIATION DOCUMENT NO. Master Document Index (MDI)

| IFR = Issue For Review | IFA = Issue For Approval | IFC = Issue For Construction | IFC = Issue For Construction | IFC = Issue For Construction | IFC = Issue For Planning | IFC = I \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification Owner Cmmt\* R2 PE OL1-2G43-5920 P&ID - UTILITY SYSTEMS - COOLING WATER SUPPLY Class 2 IFR Purpose\*\* Α Issue Plan 14/02/2019 Revised Plan 31/01/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-0077 Return Date 26/02/2019 Owner Cmmt\* PE OL1-2G43-5921 P&ID - Olefins Unit 10 - Supporting Utilities Auxilia Class As built IFR Rev. 14/02/2019 Issue Plan Revised Plan 31/01/2019 Issue Actual TPSK-LSPA1-T-PE-00776 Transmittal no Return Date 26/02/2019 Owner Cmmt\* PE OL1-2G43-5922 P&ID - Olefins Unit 10 - Supporting Utilities Auxilia Class As built Purpose\*\* 14/02/2019 Issue Plan Revised Plan Issue Actual Transmittal no TPSK-LSPA1-T-PE-00776 Return Date 26/02/2019 Owner Cmm PE OL1-2G43-5925 P&ID - UTILITY SYSTEMS - SHP BFW PUMP TURBINE Class 2 IFR Issue Plan 14/02/2019 Revised Plan Issue Actual 31/01/2019 TPSK-LSPA1-T-PE-00776 Transmittal no. Return Date 26/02/2019 Owner Cmmt\* PE OL1-2G43-5927 P&ID - Olefins Unit 10 - Supporting Utilities Auxilia Class As built IFR Purpose\*\* Issue Plan 14/02/2019 Revised Plan 31/01/2019 Issue Actual TPSK-LSPA1-T-PE-00776 Return Date 26/02/2019 Owner Cmmt\* PE OL1-2G43-5928 P&ID - Olefins Unit 10 - Supporting Utilities Auxilia Class As built Purpose\*\* Α 14/02/2019 Issue Plan Revised Plan 31/01/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-PE-00776 26/02/2019 Return Date Owner Cmmt\* PE OL1-2G43-5929 P&ID - Olefins Unit 10 - Supporting Utilities Auxilia Class As built Purpose\*\* IFR Issue Plan 14/02/2019 Revised Plan 31/01/2019 Issue Actual TPSK-LSPA1-T-PE-00776 Transmittal no. Return Date 26/02/2019 PE OL1-2G43-5930 P&ID - UTILITY SYSTEMS - SHP BFW LUBE OIL PUMP Class 2 Owner Cmmt\* IFR Purpose\*\* Α Issue Plan 14/02/2019 Revised Plan Issue Actual 31/01/2019 Transmittal no TPSK-LSPA1-T-PE-00776 26/02/2019 Return Date Owner Cmmt\* PE OL1-2G43-5932 P&ID - Olefins Unit 10 - Supporting Utilities Auxilia Class As built Purpose\*\* IFR Issue Plan 14/02/2019 Revised Plan 13/12/2018 Issue Actual Transmittal no TPSK-LSPA1-T-PE-00491 Return Date 15/02/2019 Owner Cmmt\* R2 Category Code: G44 Heat and Material Balance PE OL1-2G44-1001 OVERALL MATERIAL BALANCE Purpose\*\* IFI Issue Plan 21/01/2019 Revised Plan Issue Actual 06/08/2018 TPSK-LSPA1-T-PE-00009 TPSK-LSPA1-T-PE-01199 Transmittal no. Return Date 23/08/2018 Owner Cmmt\* PE OL1-2G44-1002 HEAT & MATERIAL BALANCE - DESIGN CASE 6 Class 3 Purpose\*\* IFI 21/01/2019 Issue Plan Revised Plan Issue Actual 31/08/2018 TPSK-LSPA1-T-PE-00032 Return Date Owner Cmmt PE OL1-2G44-1003 HEAT & MATERIAL BALANCE - DESIGN CASE 8 Purpose\*\* 21/01/2019 Issue Plan Revised Plan Issue Actual 31/08/2018 Transmittal no. TPSK-LSPA1-T-PE-00032

ABBREVIATION Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information DOCUMENT NO. \*\*Revision Purpose of Issued Document LONG SON A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days **Document Name** Classification Return Date Owner Cmmt\* PE OL1-2G44-1004 HEAT & MATERIAL BALANCE - DESIGN CASE 9 Purpose\*\* 21/01/2019 Issue Plan Revised Plan 31/08/2018 Issue Actual Transmittal no. TPSK-LSPA1-T-PE-00032 Return Date Owner Cmmt\* PE OL1-2G44-1010 HEAT & MATERIAL BALANCE - ISBL SUPPORTING UT Class 3 Purpose\*\* Issue Plan 21/01/2019 Revised Plan 03/10/2018 Issue Actual Transmittal no. TPSK-LSPA1-T-PE-00128 Return Date Owner Cmmt\* PE OL1-2G44-1011 HEAT & MATERIAL BALANCE - AREA-53 (COOLING W Class 3 Purpose\*\* 21/01/2019 Issue Plan Revised Plan Issue Actual 01/10/2018 Transmittal no TPSK-LSPA1-T-PE-00116 Owner Cmmt\* PE OL1-2G44-1013 HEAT & MATERIAL BALANCE - AREA-56 (WWT SYSTE Class 3 Purpose\*\* IFI Issue Plan 21/01/2019 Revised Plan 03/01/2019 19/02/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-PE-00581 TPSK-LSPA1-T-PE-00892 Return Date Owner Cmmt\* Category Code: G50 Interlocking Description PE OL1-2G50-2101 Cause and Effect Diagram - Area 21 - Quench Water Class Final Purpose\*\* IFR Α Issue Plan Revised Plan Issue Actual 25/03/2019 TPSK-LSPA1-T-PE-01137 Transmittal no Return Date Owner Cmmt\* PE OL1-2G50-2102 Instrument Interlock Descriptions - Area 21 - Quen Class Final Purpose\*\* Issue Plan Revised Plan 25/03/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-01149 Return Date Owner Cmmt PE OL1-2G50-2201 Cause and Effect Diagram - Area 22 - Cracked Gas Cq Class Final IFR Issue Plan Revised Plan Issue Actual 28/03/2019 TPSK-LSPA1-T-PE-01183 TPSK-LSPA1-T-PE--01204 Transmittal no Owner Cmmt\* PE OL1-2G50-2202 Instrument Interlock Descriptions - Area 22 - Crack Class Final Purpose\*\* IFR Issue Plan Revised Plan 29/03/2019 Issue Actual TPSK-LSPA1-T-PE-0120 Return Date Owner Cmmt\* PE OL1-2G50-2301 Cause and Effect Diagram - Area 23 - Caustic and Sp Class Final Purpose\*\* Α Issue Plan Revised Plan Issue Actual 28/03/2019 Transmittal no. TPSK-LSPA1-T-PE-01183 Owner Cmmt PE OL1-2G50-2302 Instrument Interlock Descriptions - Area 23 - Caust Class Final Purpose\*\* IFR Α Issue Plan Revised Plan 28/03/2019 Issue Actual TPSK-LSPA1-T-PE-01185 Transmittal no. Return Date Owner Cmmt\* PE OL1-2G50-2401 Cause and Effect Diagram - Area 24 - Dehydration - Class Final Purpose\*\* IFR Α Issue Plan Revised Plan Issue Actual 05/04/2019 Transmittal no. TPSK-LSPA1-T-PE-01267 Return Date Owner Cmmt\* PE OL1-2G50-2402 Instrument Interlock Descriptions - Area 24 - Dehyl Class Final Purpose\*\* IFR Issue Plan Revised Plan 05/04/2019 Issue Actual

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification TPSK-LSPA1-T-PE-01266 Transmittal no. Return Date Owner Cmmt\* PE OL1-2G50-2501 Cause and Effect Diagram - Area 25 - Cold Fractiona Class Final Purpose\*\* IFR Α Issue Plan Revised Plan Issue Actual 21/03/2019 TPSK-LSPA1-T-PE-01133 Transmittal no. Return Date 11/04/2019 Owner Cmmt\* R2 PE OL1-2G50-2502 Instrument Interlock Descriptions - Area 25 - Cold Class Final Purpose\*\* Issue Plan Revised Plan Issue Actual 02/04/2019 Transmittal no TPSK-LSPA1-T-PE-01225 Return Date Owner Cmmt\* Category Code: G51 Sequence of Operation
Category Code: G60 Battery Limit and Tie-in
PE OL1-2G60-0001 BATTERY LIMIT SUMMARY Purpose\*\* Purpose\*\* Issue Plan 12/04/2019 Issue Actual 28/02/2019 Transmittal no TPSK-LSPA1-T-PE-00948 Return Date 10/04/2019 Owner Cmmt Category Code: G61 Equipment List
Category Code: G62 Utility Summary
PE OL1-2G62-1001 STEAM BALANCE - DESIGN CASES Class 3 Purpose\*\* Purpose\*\* 02/01/2019 Issue Plan Revised Plan Issue Actual 17/09/2018 Transmittal no TPSK-LSPA1-T-PE-00059 04/10/2018 Return Date Owner Cmmt\* PE OL1-2G62-1006 COOLING WATER BALANCE - DESIGN CASES Class 3 Purpose\*\* IFI Issue Plan 12/09/2018 Revised Plan 17/09/2018 Issue Actual TPSK-LSPA1-T-PE-00054 Transmittal no Return Date 09/10/2018 Owner Cmmt\* R2 PE OL1-2G62-1008 FUEL BALANCE - DESIGN CASES Purpose\*\* IFI 02/01/2019 Issue Plan Issue Actual 13/09/2018 Transmittal no. TPSK-LSPA1-T-PE-00049 Return Date Owner Cmmt\* Purpose\*\* IFR Class Final Purpose\*\* Issue Plan Revised Plan 25/02/2019 Issue Actual TPSK-LSPA1-T-PE-00922 Return Date 21/03/2019 Owner Cmm Category Code: G64 Catalyst, Adsobent, and Chemicals Summary Purpose\*\* PE OL1-2G64-1002 Catalyst & Chemicals Summary Class Final Purpose\*\* IFI Issue Plan Revised Plan 25/03/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-PE-01143 Return Date Owner Cmmt\* Category Code: G70 Materials specification and; Utilities specfication and; Catal
Category Code: G71 Effluent and Waste specification
Category Code: G72 Standard and Specification
Category Code: G73 Guide to Safe Handling of Material
Category Code: G74 Material Selection Guideline ME OL1-2G74-0001 Material Selection Diagram - Olefins Unit 10 - Leger Class Final Purpose\*\* IFA Α Issue Plan Revised Plan Issue Actual 09/11/2018 TPSK-LSPA1-T-ME-00295 Transmittal no Return Date 10/12/2018 Owner Cmmt\* PE OL1-2G74-1001 MATERIAL SELECTION DIAGRAM - OLEFINS UNIT 10 Class IFA Purpose\*\* Α Issue Plan Revised Plan Issue Actual 09/11/2018 Transmittal no TPSK-LSPA1-T-ME-0029 Return Date 10/12/2018 Owner Cmmt PE OL1-2G74-1003 MATERIAL SELECTION DIAGRAM - OLEFINS UNIT 10 Class 1 Purpose\*\* IFA Rev.

ABBREVIATION \*\*\*Classification
Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information DOCUMENT NO. Master Document Index (MDI)

| IFR = Issue For Review | IFA = Issue For Approval | IFC = Issue For Construction | IFC = Issue For Construction | IFC = Issue For Construction | IFC = Issue For Planning | IFC = I LONG SON \*\*Revision Purpose of Issued Document A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Att. To OL1-2W91-0001 036909C-1000-NM-107 | IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification Issue Plan Revised Plan Issue Actual 09/11/2018 Transmittal no. TPSK-LSPA1-T-ME-00295 Return Date 10/12/2018 Owner Cmmt\* PE OL1-2G74-1101 MATERIAL SELECTION DIAGRAM - OLEFINS UNIT 10 C Purpose\*\* IFA Α Issue Plan Revised Plan Issue Actual 09/11/2018 TPSK-LSPA1-T-ME-00295 Transmittal no Return Date 10/12/2018 PE OL1-2G74-1201 MATERIAL SELECTION DIAGRAM - OLEFINS UNIT 10 Class 1 Owner Cmmt\* IFA Purpose\*\* Α Issue Plan Revised Plan 09/11/2018 Issue Actual Transmittal no TPSK-LSPA1-T-ME-00295 Return Date 10/12/2018 Owner Cmmt\* PE OL1-2G74-1901 MATERIAL SELECTION DIAGRAM - OLEFINS UNIT 10 Class 1 Purpose\*\* IFA Α Issue Plan Revised Plan Issue Actual 09/11/2018 TPSK-LSPA1-T-ME-00295 Transmittal no Return Date 10/12/2018 Owner Cmmt\* PE OL1-2G74-1902 MATERIAL SELECTION DIAGRAM - OLEFINS UNIT 10 Class 1 IFA Purpose\*\* Issue Plan Revised Plan Issue Actual 09/11/2018 TPSK-LSPA1-T-ME-00295 Return Date 10/12/2018 Owner Cmmt\* PE OL1-2G74-2001 MATERIAL SELECTION DIAGRAM - OLEFINS UNIT 10 Class 1 IFA Α Issue Plan Revised Plan 09/11/2018 Issue Actual TPSK-LSPA1-T-ME-00295 Transmittal no. Return Date 10/12/2018 Owner Cmmt\* PE OL1-2G74-2002 MATERIAL SELECTION DIAGRAM - OLEFINS UNIT 10 Class 1 Purpose\*\* IFA Α Issue Plan Revised Plan 09/11/2018 Issue Actual Transmittal no TPSK-LSPA1-T-ME-00295 Return Date 10/12/2018 PE OL1-2G74-2101 MATERIAL SELECTION DIAGRAM - OLEFINS UNIT 10 Class 1 Owner Cmmt\* A2 Purpose\*\* Α Issue Plan Revised Plan Issue Actual 09/11/2018 Transmittal no. TPSK-LSPA1-T-ME-00295 Return Date 10/12/2018 Owner Cmmt\* PE OL1-2G74-2102 MATERIAL SELECTION DIAGRAM - OLEFINS UNIT 10 Class 1 Purpose\*\* IFA Issue Plan Revised Plan 09/11/2018 Issue Actual TPSK-LSPA1-T-ME-0029 Transmittal no. Return Date 10/12/2018 Owner Cmmt\* PE OL1-2G74-2103 MATERIAL SELECTION DIAGRAM - OLEFINS UNIT 10 Class 1 Purpose\*\* IFA Rev. Α Issue Plan Revised Plan Issue Actual 09/11/2018 Transmittal no TPSK-LSPA1-T-ME-00295 Return Date 10/12/2018 Owner Cmmt\* PE OL1-2G74-2201 MATERIAL SELECTION DIAGRAM - OLEFINS UNIT 10 Class 1 Purpose\*\* IFA Α Issue Plan Revised Plan Issue Actual 09/11/2018 TPSK-LSPA1-T-ME-00295 Transmittal no Return Date 10/12/2018 Owner Cmmt\* PE OL1-2G74-2301 MATERIAL SELECTION DIAGRAM - OLEFINS UNIT 10 Class IFA Purpose\*\* Α Issue Plan Revised Plan Issue Actual 09/11/2018 Transmittal no. TPSK-LSPA1-T-ME-00295 10/12/2018 Return Date Owner Cmmt\* PE OL1-2G74-2302 MATERIAL SELECTION DIAGRAM - OLEFINS UNIT 10 Class 1 Purpose\*\* IFA Rev.

ABBREVIATION \*\*\*Classification
Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information DOCUMENT NO. Master Document Index (MDI)

| IFR = Issue For Review | IFA = Issue For Approval | IFC = Issue For Construction | IFC = Issue For Construction | IFC = Issue For Construction | IFC = Issue For Planning | IFC = I LONG SON \*\*Revision Purpose of Issued Document A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Att. To OL1-2W91-0001 036909C-1000-NM-107 | IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification Issue Plan Revised Plan Issue Actual 09/11/2018 Transmittal no. TPSK-LSPA1-T-ME-00295 Return Date 10/12/2018 Owner Cmmt\* PE OL1-2G74-2303 MATERIAL SELECTION DIAGRAM - OLEFINS UNIT 10 C Purpose\*\* IFA Α Issue Plan Revised Plan Issue Actual 09/11/2018 TPSK-LSPA1-T-ME-00295 Transmittal no Return Date 10/12/2018 PE OL1-2G74-2304 MATERIAL SELECTION DIAGRAM - OLEFINS UNIT 10 Class 1 Owner Cmmt\* IFA Purpose\*\* Α Issue Plan Revised Plan 09/11/2018 Issue Actual Transmittal no TPSK-LSPA1-T-ME-00295 Return Date 10/12/2018 Owner Cmmt\* PE OL1-2G74-2305 MATERIAL SELECTION DIAGRAM - OLEFINS UNIT 10 Class 1 Purpose\*\* IFA Α Issue Plan Revised Plan Issue Actual 09/11/2018 TPSK-LSPA1-T-ME-00295 Transmittal no Return Date 10/12/2018 Owner Cmmt\* PE OL1-2G74-2401 MATERIAL SELECTION DIAGRAM - OLEFINS UNIT 10 Class 1 IFA Purpose\*\* Issue Plan Revised Plan Issue Actual 09/11/2018 TPSK-LSPA1-T-ME-00295 Return Date 10/12/2018 Owner Cmmt\* PE OL1-2G74-2402 MATERIAL SELECTION DIAGRAM - OLEFINS UNIT 10 Class 1 IFA Α Issue Plan Revised Plan 09/11/2018 Issue Actual TPSK-LSPA1-T-ME-00295 Transmittal no. Return Date 10/12/2018 Owner Cmmt\* PE OL1-2G74-2403 MATERIAL SELECTION DIAGRAM - OLEFINS UNIT 10 Class 1 Purpose\*\* IFA Α Issue Plan Revised Plan 09/11/2018 Issue Actual Transmittal no TPSK-LSPA1-T-ME-00295 Return Date 10/12/2018 PE OL1-2G74-2404 MATERIAL SELECTION DIAGRAM - OLEFINS UNIT 10 Class 1 Owner Cmmt\* A2 Purpose\*\* Α Issue Plan Revised Plan Issue Actual 09/11/2018 Transmittal no. TPSK-LSPA1-T-ME-00295 Return Date 10/12/2018 Owner Cmmt\* PE OL1-2G74-2405 MATERIAL SELECTION DIAGRAM - OLEFINS UNIT 10 Class 1 Purpose\*\* IFA Issue Plan Revised Plan 09/11/2018 Issue Actual TPSK-LSPA1-T-ME-0029 Transmittal no. Return Date 10/12/2018 Owner Cmmt\* PE OL1-2G74-2501 MATERIAL SELECTION DIAGRAM - OLEFINS UNIT 10 Class 1 Purpose\*\* IFA Rev. Α Issue Plan Revised Plan Issue Actual 09/11/2018 Transmittal no TPSK-LSPA1-T-ME-00295 Return Date 10/12/2018 Owner Cmmt\* PE OL1-2G74-2502 MATERIAL SELECTION DIAGRAM - OLEFINS UNIT 10 Class 1 Purpose\*\* IFA Α Issue Plan Revised Plan Issue Actual 09/11/2018 TPSK-LSPA1-T-ME-00295 Transmittal no Return Date 10/12/2018 Owner Cmmt\* PE OL1-2G74-2503 MATERIAL SELECTION DIAGRAM - OLEFINS UNIT 10 Class IFA Purpose\*\* Α Issue Plan Revised Plan Issue Actual 09/11/2018 Transmittal no. TPSK-LSPA1-T-ME-00295 10/12/2018 Return Date Owner Cmmt\* PE OL1-2G74-2504 MATERIAL SELECTION DIAGRAM - OLEFINS UNIT 10 Class 1 Purpose\*\* IFA Rev.

ABBREVIATION \*\*\*Classification
Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information DOCUMENT NO. Master Document Index (MDI)

| IFR = Issue For Review | IFA = Issue For Approval | IFC = Issue For Construction | IFC = Issue For Construction | IFC = Issue For Construction | IFC = Issue For Planning | IFC = I LONG SON \*\*Revision Purpose of Issued Document A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Att. To OL1-2W91-0001 036909C-1000-NM-107 | IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification Issue Plan Revised Plan Issue Actual 09/11/2018 Transmittal no. TPSK-LSPA1-T-ME-00295 Return Date 10/12/2018 Owner Cmmt\* PE OL1-2G74-2505 MATERIAL SELECTION DIAGRAM - OLEFINS UNIT 10 C Purpose\*\* IFA Α Issue Plan Revised Plan Issue Actual 09/11/2018 TPSK-LSPA1-T-ME-00295 Transmittal no Return Date 10/12/2018 PE OL1-2G74-2506 MATERIAL SELECTION DIAGRAM - OLEFINS UNIT 10 Class 1 Owner Cmmt\* IFA Purpose\*\* Α Issue Plan Revised Plan 09/11/2018 Issue Actual Transmittal no TPSK-LSPA1-T-ME-00295 Return Date 10/12/2018 Owner Cmmt\* PE OL1-2G74-2601 MATERIAL SELECTION DIAGRAM - OLEFINS UNIT 10 Class 1 Purpose\*\* IFA Α Issue Plan Revised Plan Issue Actual 09/11/2018 TPSK-LSPA1-T-ME-00295 Transmittal no Return Date 10/12/2018 Owner Cmmt\* PE OL1-2G74-2602 MATERIAL SELECTION DIAGRAM - OLEFINS UNIT 10 Class 1 IFA Purpose\*\* Issue Plan Revised Plan Issue Actual 09/11/2018 TPSK-LSPA1-T-ME-00295 Return Date 10/12/2018 Owner Cmmt\* PE OL1-2G74-2603 MATERIAL SELECTION DIAGRAM - OLEFINS UNIT 10 Class 1 IFA Α Issue Plan Revised Plan 09/11/2018 Issue Actual TPSK-LSPA1-T-ME-00295 Transmittal no. Return Date 10/12/2018 Owner Cmmt\* PE OL1-2G74-2604 MATERIAL SELECTION DIAGRAM - OLEFINS UNIT 10 Class 1 Purpose\*\* IFA Α Issue Plan Revised Plan 09/11/2018 Issue Actual Transmittal no TPSK-LSPA1-T-ME-00295 Return Date 10/12/2018 PE OL1-2G74-2801 MATERIAL SELECTION DIAGRAM - OLEFINS UNIT 10 Class 1 Owner Cmmt\* A2 Purpose\*\* Α Issue Plan Revised Plan Issue Actual 09/11/2018 Transmittal no. TPSK-LSPA1-T-ME-00295 Return Date 10/12/2018 Owner Cmmt\* PE OL1-2G74-2802 MATERIAL SELECTION DIAGRAM - OLEFINS UNIT 10 Class 1 Purpose\*\* IFA Issue Plan Revised Plan 09/11/2018 Issue Actual TPSK-LSPA1-T-ME-0029 Transmittal no. Return Date 10/12/2018 Owner Cmmt\* PE OL1-2G74-2803 MATERIAL SELECTION DIAGRAM - OLEFINS UNIT 10 Class 1 Purpose\*\* IFA Rev. Α Issue Plan Revised Plan Issue Actual 09/11/2018 Transmittal no TPSK-LSPA1-T-ME-00295 Return Date 10/12/2018 Owner Cmmt\* PE OL1-2G74-2804 MATERIAL SELECTION DIAGRAM - OLEFINS UNIT 10 Class 1 Purpose\*\* IFA Α Issue Plan Revised Plan Issue Actual 09/11/2018 TPSK-LSPA1-T-ME-00295 Transmittal no Return Date 10/12/2018 Owner Cmmt\* PE OL1-2G74-2901 MATERIAL SELECTION DIAGRAM - OLEFINS UNIT 10 Class IFA Purpose\*\* Α Issue Plan Revised Plan Issue Actual 09/11/2018 Transmittal no. TPSK-LSPA1-T-ME-00295 10/12/2018 Return Date Owner Cmmt\* PE OL1-2G74-5001 MATERIAL SELECTION DIAGRAM - OLEFINS UNIT 10 Class 1 Purpose\*\* IFA Rev.

ABBREVIATION \*\*\*Classification
Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information DOCUMENT NO. LONG SON \*\*Revision Purpose of Issued Document A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification Issue Plan Revised Plan Issue Actual 08/01/2019 Transmittal no. TPSK-LSPA1-T-ME-00608 Return Date Owner Cmmt\* PE OL1-2G74-5101 MATERIAL SELECTION DIAGRAM - OLEFINS UNIT 10 Class 1 Purpose\*\* Α Issue Plan Revised Plan Issue Actual 08/01/2019 TPSK-LSPA1-T-ME-0060 Transmittal no Return Date PE OL1-2G74-5102 MATERIAL SELECTION DIAGRAM - OLEFINS UNIT 10 Class 1 Owner Cmmt\* IFA Purpose\*\* Α Issue Plan Revised Plan 08/01/2019 TPSK-LSPA1-T-ME-00608 Issue Actual Transmittal no Return Date Owner Cmmt\* PE OL1-2G74-5103 MATERIAL SELECTION DIAGRAM - OLEFINS UNIT 10 Class 1 Purpose\*\* IFA Α Issue Plan Revised Plan Issue Actual 08/01/2019 TPSK-LSPA1-T-ME-00608 Transmittal no Return Date Owner Cmmt\* PE OL1-2G74-5104 MATERIAL SELECTION DIAGRAM - OLEFINS UNIT 10 Class 1 Purpose\*\* Issue Plan Revised Plan Issue Actual 08/01/2019 TPSK-LSPA1-T-ME-00608 Return Date Owner Cmmt\* PE OL1-2G74-5201 MATERIAL SELECTION DIAGRAM - OLEFINS UNIT 10 Class 1 IFA Α Issue Plan Revised Plan 08/01/2019 TPSK-LSPA1-T-ME-00608 Issue Actual Transmittal no Return Date Owner Cmmt\* PE OL1-2G74-5301 MATERIAL SELECTION DIAGRAM - OLEFINS UNIT 10 Class 1 Purpose\*\* IFA Α Issue Plan Revised Plan 29/11/2018 Issue Actual Transmittal no TPSK-LSPA1-T-ME-00399 Return Date 15/02/2019 Owner Cmmt\* A2 PE OL1-2G74-5311 MATERIAL SELECTION DIAGRAM - OLEFINS UNIT 10 Class 1 Purpose\*\* Α Issue Plan Revised Plan Issue Actual 29/11/2018 Transmittal no. TPSK-LSPA1-T-ME-00399 Return Date 15/02/2019 Owner Cmmt\* PE OL1-2G74-5401 MATERIAL SELECTION DIAGRAM - OLEFINS UNIT 10 Class 1 Purpose\*\* IFA Issue Plan Revised Plan 08/01/2019 Issue Actual TPSK-LSPA1-T-ME-0060 Transmittal no. Return Date Owner Cmmt\* PE OL1-2G74-5501 MATERIAL SELECTION DIAGRAM - OLEFINS UNIT 10 Class 1 Purpose\*\* IFA Rev. Α Issue Plan Revised Plan Issue Actual 08/01/2019 Transmittal no TPSK-LSPA1-T-ME-00608 Return Date Owner Cmmt\* PE OL1-2G74-5502 MATERIAL SELECTION DIAGRAM - OLEFINS UNIT 10 Class 1 Purpose\*\* IFA Α Issue Plan Revised Plan 08/01/2019 Issue Actual TPSK-LSPA1-T-ME-0060 Transmittal no. Return Date Owner Cmmt\* PE OL1-2G74-5511 MATERIAL SELECTION DIAGRAM - OLEFINS UNIT 10 Class 1 Purpose\*\* IFA Α Issue Plan Revised Plan Issue Actual Transmittal no. TPSK-LSPA1-T-ME-00608 Return Date Owner Cmmt\* PE OL1-2G74-5512 MATERIAL SELECTION DIAGRAM - OLEFINS UNIT 10 Class 1 Purpose\*\* IFA Rev.

ABBREVIATION \*\*\*Classification
Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information DOCUMENT NO. LONG SON \*\*Revision Purpose of Issued Document A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification Issue Plan Revised Plan Issue Actual 08/01/2019 Transmittal no. TPSK-LSPA1-T-ME-00608 Return Date Owner Cmmt\* PE OL1-2G74-5601 MATERIAL SELECTION DIAGRAM - OLEFINS UNIT 10 Class 1 Purpose\*\* Α Issue Plan Revised Plan Issue Actual 08/01/2019 TPSK-LSPA1-T-ME-0060 Transmittal no Return Date PE OL1-2G74-5602 MATERIAL SELECTION DIAGRAM - OLEFINS UNIT 10 Class 1 Owner Cmmt\* IFA Purpose\*\* Α Issue Plan Revised Plan 08/01/2019 TPSK-LSPA1-T-ME-00608 Issue Actual Transmittal no Return Date Owner Cmmt\* PE OL1-2G74-5603 MATERIAL SELECTION DIAGRAM - OLEFINS UNIT 10 Class 1 Purpose\*\* IFA Α Issue Plan Revised Plan Issue Actual 08/01/2019 TPSK-LSPA1-T-ME-00608 Transmittal no Return Date Owner Cmmt\* PE OL1-2G74-5604 MATERIAL SELECTION DIAGRAM - OLEFINS UNIT 10 Class 1 Purpose\*\* Issue Plan Revised Plan Issue Actual 08/01/2019 TPSK-LSPA1-T-ME-00608 Return Date Owner Cmmt ME OL1-2G74-5610 Material Selection Diagram - Olefins Unit 10 - 56 W Class Final IFA Α Issue Plan Revised Plan 08/01/2019 TPSK-LSPA1-T-ME-00608 Issue Actual Transmittal no Return Date Owner Cmmt\* PE OL1-2G74-5611 MATERIAL SELECTION DIAGRAM - OLEFINS UNIT 10 Class 1 Purpose\*\* IFA Α Issue Plan Revised Plan 08/01/2019 Issue Actual Transmittal no TPSK-LSPA1-T-ME-00608 Return Date PE OL1-2G74-5612 MATERIAL SELECTION DIAGRAM - OLEFINS UNIT 10 Class 1 Owner Cmmt\* Purpose\*\* Rev. Issue Plan Α Revised Plan Issue Actual 08/01/2019 Transmittal no. TPSK-LSPA1-T-ME-00608 Return Date Owner Cmmt\* PE OL1-2G74-5613 MATERIAL SELECTION DIAGRAM - OLEFINS UNIT 10 Class 1 Purpose\*\* IFA Issue Plan Revised Plan 08/01/2019 Issue Actual TPSK-LSPA1-T-ME-0060 Transmittal no. Return Date Owner Cmmt\* PE OL1-2G74-5614 MATERIAL SELECTION DIAGRAM - OLEFINS UNIT 10 Class 1 Purpose\*\* IFA Rev. Α Issue Plan Revised Plan Issue Actual 08/01/2019 Transmittal no TPSK-LSPA1-T-ME-00608 Return Date Owner Cmmt\* PE OL1-2G74-5615 MATERIAL SELECTION DIAGRAM - OLEFINS UNIT 10 Class 1 Purpose\*\* IFA Α Issue Plan Revised Plan 08/01/2019 Issue Actual TPSK-LSPA1-T-ME-0060 Transmittal no. Return Date Owner Cmmt\* PE OL1-2G74-5616 MATERIAL SELECTION DIAGRAM - OLEFINS UNIT 10 Class 1 Purpose\*\* IFA Α Issue Plan Revised Plan Issue Actual Transmittal no. TPSK-LSPA1-T-ME-00608 Return Date Owner Cmmt\* PE OL1-2G74-5617 MATERIAL SELECTION DIAGRAM - OLEFINS UNIT 10 Class 1 Purpose\*\* IFA Rev.

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval Class 2 = For Review Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days **Document Name** Classification Issue Plan Revised Plan Issue Actual 08/01/2019 Transmittal no. TPSK-LSPA1-T-ME-00608 Return Date Owner Cmmt PE OL1-2G74-5901 MATERIAL SELECTION DIAGRAM - OLEFINS UNIT 10 Purpose\*\* Α Issue Plan Revised Plan Issue Actual 08/01/2019 TPSK-LSPA1-T-ME-006 Transmittal no Return Date PE OL1-2G74-5911 MATERIAL SELECTION DIAGRAM - OLEFINS UNIT 10 Class 1 Owner Cmmt\* Purpose\*\* IFA Α Issue Plan Revised Plan 08/01/2019 TPSK-LSPA1-T-ME-00608 Issue Actual Transmittal no Return Date Owner Cmmt Category Code: G75 Engineering Procedure Category Code: G76 Supervisory Level Operating Procedures for all Process/Uti Category Code: G77 APC Functional specification Category Code: G81 Appraisal Report for Consultancy Service Purpose\* Category Code: G82 Appraisal Report for EPC Contractor Work
Category Code: G83 Appraisal Report for Vendor/Supplier
Category Code: G90 Vendor Document/drawings Issue Plan Revised Plan Issue Actual Category Code: G91 Index/List Category Code: G93 Index/List
Category Code: G92 Procedures & Standards
Category Code: G93 Policy , Guidelines & Memo
Category Code: G94 Forms & Templates
Category Code: G95 Progress/Status Reports Purpose\*\* Issue Plan Revised Plan Category Code: H01 Design basis
Category Code: H02 Abbreviation and standard symbols Issue Actual Category Code: H03 Project HVAC specification Return Date Category Code: H04 Equipment, material specification
Category Code: H05 Equipment datasheet Purpose\* Category Code: H10 Calculation Issue Plan EE OL1-2H10-0003 HVAC THERMAL CALC. - GATEHOUSE IFR Purpose\*\* 02/05/2019 Issue Plan Revised Plan Issue Actual TPSK-LSPA1-T-FF-01273 Transmittal no Return Date Owner Cmmt\* EE OL1-2H10-0004 HVAC THERMAL CALC. - OPERATION TOOL ROOM Class 2 Purpose\*\* IFR Issue Plan 02/05/2019 Issue Actual 08/04/2019 TPSK-LSPA1-T-EE-01273 Transmittal no. Return Date Owner Cmmt\* Category Code: H20 System schematic diagram
Category Code: H21 Arrangement drawing Class 2 Purpose\*\* EE OL1-2H21-0010 HVAC LAYOUT- GATEHOUSE Purpose\*\* IFR Issue Plan 02/05/2019 Revised Plan 04/04/2019 Issue Actual TPSK-LSPA1-T-EE-1238 Transmittal no Owner Cmmt\* EE OL1-2H21-0011 Prefabricated Gatehouse - HVAC Layout And Proce: Class As Built IFR Purpose\*\* Issue Plan Revised Plan Issue Actual 04/04/2019 Transmittal no TPSK-LSPA1-T-EE-1238 Return Date Owner Cmmt EE OL1-2H21-0015 HVAC LAYOUT- OPERATION TOOL ROOM Purpose\*\* IFR Issue Plan 02/05/2019 Issue Actual 04/04/2019 TPSK-LSPA1-T-EE-1238 Transmittal no. Return Date Owner Cmmt\* Category Code: H22 Electrical and control drawing/ document Category Code: H60 Cable drum schedule Category Code: H61 Cable schedule Category Code: H62 Connection list Category Code: H63 Construction material and Bill of quantities
Category Code: H64 Typical installation drawing
Category Code: H71 Appraisal Report for Consultancy Service Category Code: H72 Appraisal Report for EPC Contractor Work Category Code: H73 Appraisal Report for Vendor/Supplier
Category Code: H90 Vendor documents Category Code: H91 Index/List
Category Code: H92 Procedures & Standards
Category Code: H93 Policy , Guidelines & Memo Category Code: H94 Forms & Templates

ABBREVIATION \*\*\*Classification
Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information DOCUMENT NO. LONG SON \*\*Revision Purpose of Issued Document Master Document Index (MDI) IFR = Issue For Review A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning | Document Code : | | Item | Org. | Document No. | D | Document No. | D | Category Code: H95 Progress/Status Reports | Category Code: 110 MAC FEED Document | Category Code: 120 Instrument datasheet / Execution CAN = Issue for Cancellation Period for Company's comment Working Days **Document Name** Classification IE OL1-2120-1001 CONTROL VALVE DATASHEETS Purpose\*\* IFA Α Issue Plan Revised Plan Issue Actual 21/03/2019 TPSK-LSPA1-T-IE-01130 Transmittal no. Return Date 02/04/2019 Owner Cmmt\* R2 IE OL1-2I20-1005 INSTRUMENT LEVEL GAUGE DATASHEET Purpose\*\* Issue Plan 06/08/2019 Revised Plan Issue Actual 13/03/2019 Transmittal no TPSK-LSPA1-T-IE-01047 Return Date 27/03/2019 Owner Cmmt\* IE OL1-2I20-1006 D/P LEVEL TRANSMITTERS Purpose\*\* IFR Issue Plan 06/08/2019 Revised Plan Issue Actual 09/04/2019 TPSK-LSPA1-T-IE-01288 Transmittal no Return Date Owner Cmmt\* IE OL1-2I20-1011 TEMPERATURE ELEMENTS FOR COIL OUTLET DATA S Class 2 IFR Purpose\*\* Issue Plan 06/08/2019 Revised Plan Issue Actual 10/04/2019 TPSK-LSPA1-T-IE-01309 Return Date Owner Cmmt\* IE OL1-2I20-1015 INSTRUMENT PH AND CONDUCTIVITY ANALYZER DA Class 2 Purpose\*\* IFR Issue Plan 06/08/2019 Revised Plan Issue Actual 21/03/2019 TPSK-LSPA1-T-IE-01131 Transmittal no. Return Date 02/04/2019 Owner Cmmt\* IE OL1-2I20-2201 D/S MECHANICAL O2 PROCESS ANALYSER Purpose\*\* Issue Plan Revised Plan Issue Actual 10/04/2019 Transmittal no TPSK-LSPA1-T-IE-01301 Return Date Owner Cmmt IE OL1-2I20-2211 Instrument Datasheets for On-Off Vales - Ball Type - Class As-built Issue Plan Revised Plan Issue Actual 10/04/2019 TPSK-LSPA1-T-IE-01301 Transmittal no Owner Cmmt\* IE OL1-2I20-2213 Instrument Datasheets for Motor Operated Valve - Class As-built Purpose\*\* IFI Issue Plan Revised Plan 10/04/2019 Issue Actual TPSK-LSPA1-T-IE-01301 Return Date Owner Cmmt\* IE OL1-2I20-2222 Instrument Datasheets for Flow Element - Orifice - A Class As-built Purpose\*\* 0 Issue Plan Revised Plan Issue Actual 09/04/2019 Transmittal no. TPSK-LSPA1-T-IE-01282 Owner Cmmt\* IE OL1-2120-2223 Instrument Datasheets for Flow Element - Venturi - Class As-built Purpose\*\* IFI 0 Issue Plan Revised Plan 09/04/2019 Issue Actual TPSK-LSPA1-T-IE-01282 Transmittal no. Return Date Owner Cmmt\* IE OL1-2I20-2522 Instrument Datasheets for Flow Element - Orifice - Class As-built Purpose\*\* 0 Issue Plan Revised Plan Issue Actual 12/04/2019 Transmittal no. TPSK-LSPA1-T-IE-01338 Return Date Owner Cmmt\* IE OL1-2I20-2528 Instrument Datasheets for Flow Element - Rotamet Class As-built Purpose\*\* Issue Plan Revised Plan

Issue Actual

12/04/2019

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 IFA = Issue For Approval
IFC = Issue For Construction
IFI = Issue For Information A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification TPSK-LSPA1-T-IE-01338 Transmittal no. Return Date Owner Cmmt\* IE OL1-2I20-2806 Instrument Datasheets for Self Actuated Pressure C Class As-built Purpose\*\* Issue Plan Revised Plan Issue Actual 12/04/2019 TPSK-LSPA1-T-IE-01338 Transmittal no. Return Date Owner Cmmt\* Category Code: I21 Instrument Calculation sheet
Category Code: I30 Interlock Logic and Sequence Diagram Purpose\*\* IE OL1-2I30-1001 CAUSE AND EFFECT DIAGRAMS - AREA 10 Class 3 Purpose\*\* IFR Issue Plan Revised Plan 13/03/2019 Issue Actual TPSK-LSPA1-T-IE-01043 Transmittal no Return Date Owner Cmmt\* IE OL1-2I30-1002 Instrument Interlock Descriptions - Area 10 - Feed | Class As-built Purpose\*\* Issue Plan Issue Actual 13/03/2019 Transmittal no TPSK-LSPA1-T-IE-01045 Return Date 10/04/2019 Owner Cmmt\* IE OL1-2I30-2001 CAUSE AND EFFECT DIAGRAMS - AREA 20 IFR Α Issue Plan Revised Plan 15/03/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-IE-01087 Return Date 10/04/2019 Owner Cmmt\* IE OL1-2I30-2002 Instrument Interlock Descriptions Area 20 - Queno Purpose\*\* Issue Plan Revised Plan Issue Actual 15/03/2019 Transmittal no TPSK-LSPA1-T-IE-01088 Return Date 10/04/2019 Owner Cmmt IE OL1-2I30-5301 CAUSE AND EFFECT DIAGRAMS - AREA 53 Purpose\*\* IFR Α Issue Plan Revised Plan Issue Actual 12/03/2019 TPSK-LSPA1-T-IE-01036 Transmittal no Return Date Owner Cmmt\* IE OL1-2I30-5302 Instrument Interlock Descriptions - Area 53 - Coolir Class As-built IFR Purpose\*\* Issue Plan Revised Plan 12/03/2019 Issue Actual Transmittal no TPSK-LSPA1-T-IE-01037 Return Date 29/03/2019 Owner Cmmt IE OL1-2I30-5901 Cause and Effect Diagram Area 59 - Supporting Util Class As-built Purpose\*\* IFR Α Issue Plan Issue Actual 15/03/2019 Transmittal no. TPSK-LSPA1-T-IE-01087 Return Date 10/04/2019 Owner Cmmt\* IE OL1-2I30-5902 Instrument Interlock Descriptions Area 59 - Suppo Class As-built Purpose\*\* IFR Α Issue Plan Revised Plan Issue Actual Transmittal no TPSK-LSPA1-T-IE-01088 Return Date 10/04/2019 R2 Owner Cmmt\* Category Code: I31 Typical installation / fabrication drawing IE OL1-2I31-0001 INSTR.SUPPORTS TYPICAL MOUNT.DETAILS Purpose\*\* IFR Issue Plan 31/12/2019 Revised Plan 14/03/2019 Issue Actual Transmittal no TPSL-LSPA1-T-IE-01058 Return Date 05/04/2019 Owner Cmmt\* A3 Category Code: 132 Instrument installation key plan drawing
Category Code: 133 Instrument cable trays and support layout
Category Code: 134 Instrument main cable layout
Category Code: 135 Instrument, Junction box and instrument air supply station |
Category Code: 136 Local panel plot plan drawing
Category Code: 137 Local panel arrangement drawing
Category Code: 138 Layout of inst wiring (grounding) Purpose\*\* Issue Plan Purpose\* Purpose\*\* Category Code: 138 Layout of inst wiring (grounding)
Category Code: 139 Instrument air piping and tubing drawing
Category Code: 140 Instrument utilities tubing layout drawing Issue Plan Revised Plan Issue Actual Category Code: I41 Instrument wiring connection list Transmittal no.

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval Class 2 = For Review Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Period for Company's comment Working Days Document Name Classification Return Date Purpose\*\* Purpose\*\* Category Code: 145 Control Room and Rack Room Drawings
Category Code: 146 Layout of instrument cabinets / panels in Control Room and Purpose\*\* IE OL1-2146-1002 FAR C INSTRUMENT EQUIPMENT LAYOUT Purpose\*\* 30/11/2019 Issue Plan Revised Plan 26/03/2019 Issue Actual Transmittal no TPSK-LSPA1-T-IE-01153 Return Date 05/04/2019 Owner Cmmt\* A3 IE OL1-2I46-1003 FAR E INSTRUMENT EQUIPMENT LAYOUT Purpose\*\* IFR Issue Plan 30/11/2019 Revised Plan 26/03/2019 Issue Actual TPSK-LSPA1-T-IE-01153 Transmittal no. Return Date 05/04/2019 Owner Cmmt\* IE OL1-2I46-1004 FAR FL INSTRUMENT EQUIPMENT LAYOUT IFR Purpose\*\* Issue Plan 30/11/2019 Issue Actual 26/03/2019 Transmittal no TPSK-LSPA1-T-IE-01153 Return Date 05/04/2019 Owner Cmmt Category Code: I47 Layout of instrument main and secondary cable route in Cor Category Code: I48 Layout of instrument grounding wiring in Control Room and

IE OL1-2148-1001 INSTRUMENT & TELECOM GROUNDING PHILOSOPHY DIAGRAM Purpose\*\* Purpose\*\* IFR 14/02/2019 Issue Plan Revised Plan Issue Actual 08/03/2019 Transmittal no TPSK-LSPA1-T-IE-01013 Return Date Owner Cmmt Category Code: I49 Instrument Hook-up Drawing Purpose\*\* Category Code: 150 Hook-up drawing for process lead piping for each instrume Category Code: 151 Hook-up drawing for IA and pneumatic Purpose\*\* Purpose\*\* IE OL1-2I51-0001 INSTRUMENT TYPICAL HOOK -UP Purpose\*\* IFR Issue Plan 31/12/2019 Revised Plan Issue Actual 04/04/2019 TPSK-LSPA1-T-IE-1254 Transmittal no Return Date Owner Cmmt\* Category Code: I52 Hook-up drawing for Steam tracing Category Code: I53 Instrument loop drawing diagram Purpose\*\* Category Code: 154 Bill of bulk materials take-off Category Code: 155 In-line & On equipment Category Code: 161 SIL Study Document Purpose\*\* Purpose\*\* Purpose\*\* IE OL1-2161-1102 GENERAL SIS SAFETY REQUIREMENTS SPECIFICATION Purpose\*\* IFR Issue Plan 30/07/2019 Revised Plan Issue Actual 25/01/2019 TPSK-LSPA1-T-IE-00719 Transmittal no Return Date 05/03/2019 Owner Cmmt R2 Category Code: I62 FAT Punch Lists
Category Code: I63 SAT Punch Lists Purpose\*\* Category Code: 164 Operation and maintenance spare part for 2 years list Issue Plan Category Code: 165 Initial Spare part list
Category Code: 166 Special tools book
Category Code: 170 Instruction Manual of Instrument Revised Plan Issue Actual Transmittal no Category Code: I71 Control narative for complex loop Return Date IE OL1-2171-1001 COMPLEX LOOP NARRATIVES - AREA 10 IFR Purpose\*\* Issue Plan Revised Plan Issue Actual 21/03/2019 Transmittal no TPSK-LSPA1-T-IE-01128 Return Date 02/04/2019 Owner Cmmt IE OL1-2171-1201 COMPLEX CONTROL NARRATIVES Purpose\*\* IFR Issue Plan 19/03/2019 Revised Plan 09/04/2019 Issue Actual TPSK-LSPA1-T-IE-01289 Transmittal no Return Date Owner Cmmt\* IE OL1-2171-2001 COMPLEX LOOP NARRATIVES - AREA 20 Purpose\*\* IFR Α Issue Plan Revised Plan Issue Actual 21/03/2019 Transmittal no TPSK-LSPA1-T-IE-01132 02/04/2019 Return Date Owner Cmmt IE OL1-2171-2101 COMPLEX LOOP NARRATIVES - AREA 21 Class 3 Purpose\*\* IFR Rev.

ABBREVIATION DOCUMENT NO. \*Owner Feedback (Comment)

R1 = No comments
d R2 = Comments as noted \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval Class 2 = For Review Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation A1 = App. w/o comments LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days **Document Name** Classification Issue Plan Revised Plan Issue Actual 25/03/2019 Transmittal no. TPSK-LSPA1-T-IE-01147 Return Date Owner Cmmt IE OL1-2171-5301 COMPLEX LOOP NARRATIVES - AREA 53 Purpose\*\* Α Issue Plan Revised Plan Issue Actual 12/03/2019 TPSK-LSPA1-T-IE-0103 Transmittal no Return Date Owner Cmmt\* IE OL1-2I71-5901 Complex Loop Narratives - Area 59 - Supporting Ut Class Final IFR Purpose\*\* Α Issue Plan Revised Plan 25/03/2019 Issue Actual Transmittal no TPSK-LSPA1-T-IE-01140 Return Date Owner Cmmt Category Code: I76 Appraisal Report for Consultancy Service Purpose\*\* Category Code: 177 Appraisal Report for EPC Contractor Work Category Code: 178 Appraisal Report for Vendor/Supplier Category Code: 181 DCS System Document Revised Plan IE OL1-2181-1001 CTRL & SAFETY SYST. CONNECTION DIAG. Purpose\*\* IFR Issue Plan 24/01/2019 Revised Plan 08/03/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-IE-01012 Return Date Owner Cmmt IE OL1-2181-1002 CTRL & SAFETY SYST.ARCHITECTURE Purpose\*\* Issue Plan 24/01/2019 Revised Plan Issue Actual 22/02/2019 Transmittal no TPSK-LSPA1-T-IE-00912 Return Date 08/03/2019 Owner Cmmt Category Code: I82 ESD system Document
Category Code: I83 FGS system Document
Category Code: I84 Analyzer system Document
Category Code: I85 Custody meter Document
Category Code: I85 Custody meter Document Purpose\*\* Issue Plan Purpose\*\* Category Code: I86 Tank gauging Document Category Code: I87 Pelletizing system Document Issue Plan Category Code: I90 Vendor documents of Instrument Revised Plan Category Code: I91 Index/List
Category Code: I92 Procedures & Standards
IE OL1-2/192-0050 JSS FOR ANALYSER SYSTEMS & HOUSES Issue Actual Purpose' IFR 02/04/2019 Issue Plan Revised Plan Issue Actual 12/04/2019 TPSK-LSPA1-T-CV-01332 Transmittal no. Owner Cmmt\* Category Code: 193 Policy, Guide Purpose\*\* Category Code: 194 Forms & Templates
Category Code: 195 Progress/Status Reports
Category Code: 171 Appraisal Report for Consultancy Service Issue Plan Revised Plan Category Code: J72 Appraisal Report for EPC Contractor Work
Category Code: J73 Appraisal Report for Vendor/Supplier Issue Actual Transmittal no. Category Code: J91 Index/List Return Date Category Code: J92 Procedures & Standards
Category Code: J93 Policy , Guidelines & Memo
Category Code: J94 Forms & Templates Owner Cmmt\* Category Code: 195 Progress/Status Reports
Category Code: K01 Design Basis Reports
Category Code: K02 Design Verification Reports Category Code: K03 Master Plan Document
Category Code: K04 Cadastal Map
Category Code: K11 Design calculation for pile (including pile driven design) CV OL1-2K11-0001 CALCULATION NOTES FOR PILES Purpose\*\* IFR Issue Plan 28/02/2019 Revised Plan 19/03/2019 Issue Actual Transmittal no. Return Date 12/04/2019 Owner Cmmt\* A2 Category Code: K12 Design calculation for paving Category Code: K13 Design calculation for foundations Class 2 Purpose\*\* CV OL1-2K13-0004 CALCULATION NOTE FOR FOUNDATION OF 10-D-52 Class 2 Purpose\*\* IFR Issue Plan 02/05/2020 Revised Plan 12/02/2019 Issue Actual Transmittal no TPSK-LSPA1-T-CV-00843 Return Date 27/02/2019 Owner Cmmt CV OL1-2K13-0005 CALCULATION NOTE FOR FOUNDATION OF 10-E-520 Class 2 Purpose\*\* 02/05/2020 Issue Plan

ABBREVIATION Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information DOCUMENT NO. \*\*Revision Purpose of Issued Document LONG SON Master Document Index (MDI) IFR = Issue For Review A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification Revised Plan 27/02/2019 Issue Actual TPSK-LSPA1-T-CV-00943 Return Date 28/03/2019 Owner Cmmt\* CV OL1-2K13-0006 CALCULATION NOTE FOR FOUNDATION OF 10-E-52 Class 2 IFR Purpose\*\* Issue Plan 02/05/2020 Revised Plan 12/03/2019 Issue Actual Transmittal no TPSK-LSPA1-T-CV-01033 12/04/2019 Return Date Owner Cmmt\* A2 CV OL1-2K13-0010 CALCULATION NOTE FOR FOUNDATION OF 10-D-51 Class 2 Purpose\*\* IFR Issue Plan 02/05/2020 Revised Plan 12/02/2019 Issue Actual TPSK-LSPA1-T-CV-00843 Transmittal no. Return Date 27/02/2019 Owner Cmmt\* CV OL1-2K13-0011 CALCULATION NOTE FOR FOUNDATION OF 10-D-21 Class 2 IFR Purpose\*\* Issue Plan 02/05/2020 Issue Actual 28/01/2019 Transmittal no. TPSK-LSPA1-T-CV-00732 Return Date 27/03/2019 Owner Cmmt\* CV OL1-2K13-0016 CALCULATION NOTE FOR FOUNDATION OF 10-E-213 Class 2 IFR Issue Plan 02/05/2020 Revised Plan 06/03/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-CV-00992 Return Date 28/03/2019 Owner Cmmt\* A2 CV OL1-2K13-0018 CALCULATION NOTE FOR FOUNDATION OF 10-E-21 Class 2 Purpose\*\* Issue Plan 02/05/2020 Revised Plan 07/03/2019 Issue Actual Transmittal no TPSK-LSPA1-T-CV-01005 Return Date 28/03/2019 Owner Cmmt\* CV OL1-2K13-0020 CALCULATION NOTE FOR FOUNDATION OF 10-E-214 Class 2 IFR Purpose\*\* Issue Plan 02/05/2020 Revised Plan Issue Actual 12/02/2019 TPSK-LSPA1-T-CV-00843 Transmittal no Return Date Owner Cmmt\* CV OL1-2K13-0021 CALCULATION NOTE FOR FOUNDATION OF 10-E-201 Class 2 IFR Purpose\*\* 02/05/2020 Issue Plan Revised Plan 12/02/2019 Issue Actual Transmittal no TPSK-LSPA1-T-CV-00843 Return Date 27/02/2019 Owner Cmmt CV OL1-2K13-0022 CALCULATION NOTE FOR FOUNDATION OF 10-E-204 Class 2 Purpose\*\* IFR Rev. Issue Plan 02/05/2020 Issue Actual 07/02/2019 Transmittal no. TPSK-LSPA1-T-CV-00816 Return Date 18/03/2019 Owner Cmmt\* CV OL1-2K13-0037 CALCULATION NOTE FOR FOUNDATION OF 10-T-233 Class 2 Purpose\*\* IFR Issue Plan 02/05/2020 Revised Plan Issue Actual Transmittal no TPSK-LSPA1-T-CV-00843 Return Date 27/02/2019 Owner Cmmt\* A2 CV OL1-2K13-0038 CALCULATION NOTE FOR FOUNDATION OF 10-D-24 Class 2 IFR Purpose\*\* Issue Plan 02/05/2020 Revised Plan 12/03/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-CV-01033 12/04/2019 Return Date Owner Cmmt\* Α2 CV OL1-2K13-0039 CALCULATION NOTE FOR FOUNDATION OF 10-D-24 Class 2 Purpose\*\* IFR Issue Plan 02/05/2020 Revised Plan 12/03/2019 Issue Actual Transmittal no Return Date 12/04/2019 Owner Cmmt CV OL1-2K13-0041 CALCULATION NOTE FOR FOUNDATION OF 10-D-22 Class 2 Purpose\*\* IFR Issue Plan 02/05/2020

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification Revised Plan 12/03/2019 Issue Actual TPSK-LSPA1-T-CV-01033 Return Date 12/04/2019 Owner Cmmt\* CV OL1-2K13-0042 CALCULATION NOTE FOR FOUNDATION OF 10-D-22 Class 2 IFR Purpose\*\* Issue Plan 02/05/2020 Revised Plan 12/03/2019 Issue Actual Transmittal no TPSK-LSPA1-T-CV-01033 12/04/2019 Return Date Owner Cmmt\* A2 CV OL1-2K13-0043 CALCULATION NOTE FOR FOUNDATION OF 10-D-24 Class 2 Purpose\*\* IFR Issue Plan 02/05/2020 Revised Plan 12/03/2019 Issue Actual TPSK-LSPA1-T-CV-01033 Transmittal no. Return Date 12/04/2019 Owner Cmmt\* CV OL1-2K13-0044 CALCULATION NOTE FOR FOUNDATION OF 10-D-24 Class 2 IFR Purpose\*\* Issue Plan 02/05/2020 Issue Actual 11/02/2019 Transmittal no. TPSK-LSPA1-T-CV-00832 Return Date 27/02/2019 Owner Cmmt\* CV OL1-2K13-0045 CALCULATION NOTE FOR FOUNDATION OF 10-D-22 Class 2 IFR Issue Plan 02/05/2020 Revised Plan 12/03/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-CV-01033 Return Date 12/04/2019 Owner Cmmt\* CV OL1-2K13-0046 CALCULATION NOTE FOR FOUNDATION OF 10-D-22 Class 2 Purpose\*\* Issue Plan 02/05/2020 Revised Plan 27/03/2019 Issue Actual Transmittal no TPSK-LSPA1-T-CV-01168 Return Date 12/04/2019 Owner Cmmt\* CV OL1-2K13-0047 CALCULATION NOTE FOR FOUNDATION OF 10-D-22 Class 2 IFR Purpose\*\* Issue Plan 02/05/2020 Revised Plan Issue Actual 27/03/2019 TPSK-LSPA1-T-CV-01168 Transmittal no Return Date Owner Cmmt\* CV OL1-2K13-0048 CALCULATION NOTE FOR FOUNDATION OF 10-D-24 Class 2 IFR Purpose\*\* 02/05/2020 Issue Plan Revised Plan 27/03/2019 Issue Actual Transmittal no TPSK-LSPA1-T-CV-01168 Return Date 12/04/2019 Owner Cmmt CV OL1-2K13-0050 CALCULATION NOTE FOR FOUNDATION OF 10-D-23 Class 2 Purpose\*\* IFR Rev. Issue Plan 02/05/2020 Issue Actual 08/02/2019 Transmittal no. TPSK-LSPA1-T-CV-00827 Return Date 27/02/2019 Owner Cmmt\* CV OL1-2K13-0052 CALCULATION NOTE FOR FOUNDATION OF 10-D-23 Class 2 Purpose\*\* IFR Issue Plan 02/05/2020 Revised Plan Issue Actual Transmittal no TPSK-LSPA1-T-CV-00783 Return Date 25/02/2019 Owner Cmmt\* A2 CV OL1-2K13-0054 CALCULATION NOTE FOR FOUNDATION OF 10-D-23 Class 2 IFR Purpose\*\* Issue Plan 02/05/2020 Revised Plan 01/02/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-CV-00783 Return Date 25/02/2019 Owner Cmmt\* CV OL1-2K13-0055 CALCULATION NOTE FOR FOUNDATION OF 10-D-24 Class 2 Purpose\*\* IFR Issue Plan 02/05/2020 Revised Plan 27/03/2019 Issue Actual Transmittal no TPSK-LSPA1-T-CV-01168 Return Date 12/04/2019 Owner Cmmt CV OL1-2K13-0059 CALCULATION NOTE FOR FOUNDATION OF 10-E-24 Class 2 Purpose\*\* IFR Issue Plan 02/05/2020

ABBREVIATION \*\*\*Classification
Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information DOCUMENT NO. Master Document Index (MDI)

| IFR = Issue For Review | IFA = Issue For Approval | IFC = Issue For Construction | IFC = Issue For Construction | IFC = Issue For Construction | IFC = Issue For Planning | IFC = I \*\*Revision Purpose of Issued Document LONG SON A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification Revised Plan 12/04/2019 Issue Actual TPSK-LSPA1-T-CV-01333 Return Date Owner Cmmt\* CV OL1-2K13-0067 CALCULATION NOTE FOR FOUNDATION OF 10-E-22 Class 2 Purpose\*\* Rev. Issue Plan 02/05/2020 Revised Plan 01/04/2019 Issue Actual Transmittal no TPSK-LSPA1-T-CV-01207 Return Date Owner Cmmt\* CV OL1-2K13-0071 CALCULATION NOTE FOR FOUNDATION OF 10-D-23 Class 2 Purpose\*\* IFR Issue Plan 02/05/2020 Revised Plan 08/02/2019 Issue Actual TPSK-LSPA1-T-CV-00827 Transmittal no. Return Date 27/02/2019 Owner Cmmt\* CV OL1-2K13-0072 CALCULATION NOTE FOR FOUNDATION OF 10-E-26: Class 2 IFR Purpose\*\* Issue Plan 02/05/2020 07/03/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-CV-01005 Return Date 28/03/2019 Owner Cmmt\* CV OL1-2K13-0088 CALCULATION NOTE FOR FOUNDATION OF 10-T-258 Class 2 IFR Issue Plan 02/05/2020 Revised Plan 27/03/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-CV-01168 Return Date 12/04/2019 Owner Cmmt\* CV OL1-2K13-0089 CALCULATION NOTE FOR FOUNDATION OF 10-T-264 Class 2 Purpose\*\* Issue Plan 02/05/2020 Revised Plan Issue Actual Transmittal no TPSK-LSPA1-T-CV-01071 Return Date Owner Cmmt CV OL1-2K13-0090 CALCULATION NOTE FOR FOUNDATION OF 10-T-25 Class 2 IFR Purpose\*\* Issue Plan 02/05/2020 Revised Plan Issue Actual 27/03/2019 TPSK-LSPA1-T-CV-01168 Transmittal no Return Date Owner Cmmt\* CV OL1-2K13-0091 CALCULATION NOTE FOR FOUNDATION OF 10-T-25 Class 2 IFR Purpose\*\* 02/05/2020 Issue Plan Revised Plan 27/03/2019 Issue Actual Transmittal no TPSK-LSPA1-T-CV-01168 Return Date 12/04/2019 Owner Cmmt CV OL1-2K13-0093 CALCULATION NOTE FOR FOUNDATION OF 10-T-252 Class 2 Purpose\*\* IFR Rev. Issue Plan 02/05/2020 25/01/2019 TPSK-LSPA1-T-CV-00679 Issue Actual Transmittal no. Return Date Owner Cmmt\* CV OL1-2K13-0094 CALCULATION NOTE FOR FOUNDATION OF 10-D-24 Class 2 IFR Purpose\*\* Issue Plan 02/05/2020 Revised Plan Issue Actual Transmittal no TPSK-LSPA1-T-CV-01168 Return Date 12/04/2019 Owner Cmmt\* A2 CV OL1-2K13-0098 CALCULATION NOTE FOR FOUNDATION OF 10-D-28 Class 2 IFR Purpose\*\* Issue Plan 02/05/2020 Revised Plan 28/01/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-CV-00732 27/03/2019 Return Date Owner Cmmt\* Α2 CV OL1-2K13-0101 CALCULATION NOTE FOR FOUNDATION OF 10-D-26 Class 2 Purpose\*\* IFR Issue Plan 02/05/2020 Revised Plan 07/02/2019 Issue Actual Transmittal no TPSK-LSPA1-T-CV-00816 Return Date 18/03/2019 Owner Cmmt\* CV OL1-2K13-0102 CALCULATION NOTE FOR FOUNDATION OF 10-D-25 Class 2 Purpose\*\* IFR Issue Plan 02/05/2020

ABBREVIATION Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information DOCUMENT NO. \*\*Revision Purpose of Issued Document LONG SON Master Document Index (MDI) IFR = Issue For Review A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification Revised Plan 19/03/2019 Issue Actual TPSK-LSPA1-T-CV-01092 Return Date 12/04/2019 Owner Cmmt\* CV OL1-2K13-0103 CALCULATION NOTE FOR FOUNDATION OF 10-D-25 Class 2 IFR Purpose\*\* Issue Plan 02/05/2020 Revised Plan 19/03/2019 Issue Actual Transmittal no TPSK-LSPA1-T-CV-01092 12/04/2019 Return Date Owner Cmmt\* A2 CV OL1-2K13-0105 CALCULATION NOTE FOR FOUNDATION OF 10-D-25 Class 2 Purpose\*\* IFR Issue Plan 02/05/2020 Revised Plan 12/02/2019 Issue Actual TPSK-LSPA1-T-CV-00843 Transmittal no. Return Date 27/02/2019 Owner Cmmt\* CV OL1-2K13-0107 CALCULATION NOTE FOR FOUNDATION OF 10-D-28 Class 2 IFR Purpose\*\* Issue Plan 02/05/2020 25/01/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-CV-00679 Return Date Owner Cmmt\* CV OL1-2K13-0108 CALCULATION NOTE FOR FOUNDATION OF 10-D-28 Class 2 IFR Issue Plan 02/05/2020 Revised Plan 28/01/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-CV-00732 Return Date 27/03/2019 Owner Cmmt\* A2 CV OL1-2K13-0109 CALCULATION NOTE FOR FOUNDATION OF 10-D-28 Class 2 Purpose\*\* Issue Plan 02/05/2020 Revised Plan Issue Actual 12/02/2019 Transmittal no TPSK-LSPA1-T-CV-00843 Return Date 27/02/2019 Owner Cmmt\* CV OL1-2K13-0111 CALCULATION NOTE FOR FOUNDATION OF 10-E-258 Class 2 IFR Purpose\*\* Issue Plan 02/05/2020 Revised Plan 01/04/2019 Issue Actual Transmittal no Return Date TPSK-LSPA1-T-CV-0120 Owner Cmmt\* CV OL1-2K13-0115 CALCULATION NOTE FOR FOUNDATION OF 10-E-25 Class 2 IFR Purpose\*\* 02/05/2020 Issue Plan Revised Plan 07/03/2019 Issue Actual Transmittal no TPSK-LSPA1-T-CV-01005 Return Date 28/03/2019 Owner Cmmt CV OL1-2K13-0116 CALCULATION NOTE FOR FOUNDATION OF 10-E-264 Class 2 Purpose\*\* IFR Rev. Issue Plan 02/05/2020 Issue Actual 14/03/2019 Transmittal no. TPSL-LSPA1-T-CV-01059 Return Date 12/04/2019 Owner Cmmt\* CV OL1-2K13-0117 CALCULATION NOTE FOR FOUNDATION OF 10-E-25 Class 2 Purpose\*\* IFR Issue Plan 02/05/2020 Revised Plan 25/01/2019 Issue Actual Transmittal no TPSK-LSPA1-T-CV-00679 Return Date Owner Cmmt\* CV OL1-2K13-0118 CALCULATION NOTE FOR FOUNDATION OF 10-E-25 Class 2 IFR Purpose\*\* Issue Plan 02/05/2020 Revised Plan 06/03/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-CV-00992 Return Date 28/03/2019 Owner Cmmt\* Α2 CV OL1-2K13-0119 CALCULATION NOTE FOR FOUNDATION OF 10-E-25 Class 2 Purpose\*\* IFR Issue Plan 02/05/2020 Revised Plan 12/02/2019 Issue Actual Transmittal no TPSK-LSPA1-T-CV-00843 Return Date 27/02/2019 Owner Cmmt\* CV OL1-2K13-0120 CALCULATION NOTE FOR FOUNDATION OF 10-E-25 Class 2 Purpose\*\* IFR Issue Plan 02/05/2020

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification Revised Plan 12/02/2019 Issue Actual TPSK-LSPA1-T-CV-00843 Return Date 27/02/2019 Owner Cmmt\* CV OL1-2K13-0121 CALCULATION NOTE FOR FOUNDATION OF 10-E-254 Class 2 IFR Purpose\*\* Issue Plan 02/05/2020 Revised Plan 30/01/2019 Issue Actual Transmittal no TPSK-LSPA1-T-CV-00762 27/02/2019 Return Date Owner Cmmt\* CV OL1-2K13-0123 CALCULATION NOTE FOR FOUNDATION OF 10-E-28 Class 2 Purpose\*\* IFR Issue Plan 02/05/2020 Revised Plan 12/02/2019 Issue Actual TPSK-LSPA1-T-CV-00843 Transmittal no. Return Date 27/02/2019 Owner Cmmt\* CV OL1-2K13-0124 CALCULATION NOTE FOR FOUNDATION OF 10-E-28 Class 2 IFR Purpose\*\* Issue Plan 02/05/2020 Issue Actual 12/02/2019 Transmittal no. TPSK-LSPA1-T-CV-00843 Return Date 27/02/2019 Owner Cmmt\* CV OL1-2K13-0125 CALCULATION NOTE FOR FOUNDATION OF 10-E-28 Class 2 IFR Issue Plan 02/05/2020 Revised Plan 07/02/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-CV-00816 Return Date 18/03/2019 Owner Cmmt\* A2 CV OL1-2K13-0126 CALCULATION NOTE FOR FOUNDATION OF 10-E-28: Class 2 Purpose\*\* Issue Plan 02/05/2020 Revised Plan Issue Actual 12/02/2019 Transmittal no TPSK-LSPA1-T-CV-00843 Return Date 27/02/2019 Owner Cmmt\* CV OL1-2K13-0127 CALCULATION NOTE FOR FOUNDATION OF 10-E-28: Class 2 IFR Purpose\*\* Issue Plan 02/05/2020 Revised Plan Issue Actual 12/02/2019 TPSK-LSPA1-T-CV-00843 Transmittal no Return Date Owner Cmmt\* CV OL1-2K13-0128 CALCULATION NOTE FOR FOUNDATION OF 10-E-28 Class 2 IFR Purpose\*\* 02/05/2020 Issue Plan Revised Plan 21/03/2019 Issue Actual Transmittal no TPSK-LSPA1-T-CV-01126 Return Date 12/04/2019 Owner Cmmt CV OL1-2K13-0129 CALCULATION NOTE FOR FOUNDATION OF 10-E-28! Class 2 Purpose\*\* IFR Rev. Issue Plan 02/05/2020 Issue Actual 19/02/2019 Transmittal no. TPSK-LSPA1-T-CV-00878 Return Date 11/03/2019 Owner Cmmt\* CV OL1-2K13-0130 CALCULATION NOTE FOR FOUNDATION OF 10-E-28 Class 2 Purpose\*\* IFR Issue Plan 02/05/2020 Revised Plan Issue Actual Transmittal no TPSK-LSPA1-T-CV-01033 Return Date 12/04/2019 Owner Cmmt\* A2 CV OL1-2K13-0132 CALCULATION NOTE FOR FOUNDATION OF 10-E-258 Class 2 IFR IFR Purpose\*\* Issue Plan 02/05/2020 Revised Plan 12/02/2019 Issue Actual 21/02/2019 Transmittal no. TPSK-LSPA1-T-CV-00843 | TPSK-LSPA1-T-CV-00904 27/02/2019 Return Date 12/03/2019 Owner Cmmt\* Α2 A2 CV OL1-2K13-0133 CALCULATION NOTE FOR FOUNDATION OF 10-E-25 Class 2 Purpose\*\* IFR Issue Plan 02/05/2020 Revised Plan 30/01/2019 Issue Actual Transmittal no TPSK-LSPA1-T-CV-00762 Return Date 27/02/2019 Owner Cmmt CV OL1-2K13-0140 CALCULATION NOTE FOR FOUNDATION OF 10-E-26 Class 2 Purpose\*\* IFR Issue Plan 02/05/2020

ABBREVIATION Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information DOCUMENT NO. Master Document Index (MDI)

| IFR = Issue For Review | IFA = Issue For Approval | IFC = Issue For Construction | IFC = Issue For Construction | IFC = Issue For Construction | IFC = Issue For Planning | IFC = I \*\*Revision Purpose of Issued Document LONG SON A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification Revised Plan 12/03/2019 Issue Actual TPSK-LSPA1-T-CV-01033 Return Date 12/04/2019 Owner Cmmt\* CV OL1-2K13-0149 CALCULATION NOTE FOR FOUNDATION OF 10-D-26 Class 2 IFR Purpose\*\* Issue Plan 02/05/2020 Revised Plan 11/02/2019 Issue Actual Transmittal no TPSK-LSPA1-T-CV-00832 27/02/2019 Return Date Owner Cmmt\* CV OL1-2K13-0150 CALCULATION NOTE FOR FOUNDATION OF 10-D-26 Class 2 Purpose\*\* IFR Issue Plan 02/05/2020 Revised Plan 11/02/2019 Issue Actual TPSK-LSPA1-T-CV-00832 Transmittal no. Return Date 27/02/2019 Owner Cmmt\* CV OL1-2K13-0151 CALCULATION NOTE FOR FOUNDATION OF 10-D-24 Class 2 IFR Purpose\*\* Issue Plan 02/05/2020 Issue Actual 27/03/2019 Transmittal no. TPSK-LSPA1-T-CV-01168 12/04/2019 Return Date Owner Cmmt\* CV OL1-2K13-0152 CALCULATION NOTE FOR FOUNDATION OF 10-D-24 Class 2 IFR Issue Plan 02/05/2020 Revised Plan 27/03/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-CV-01168 Return Date 12/04/2019 Owner Cmmt\* CV OL1-2K13-0155 CALCULATION NOTE FOR FOUNDATION OF 10-E-263 Class 2 Purpose\*\* Issue Plan 02/05/2020 Revised Plan 07/03/2019 Issue Actual Transmittal no TPSK-LSPA1-T-CV-01005 Return Date 28/03/2019 Owner Cmmt\* CV OL1-2K13-0160 CALCULATION NOTE FOR FOUNDATION OF 10-E-244 Class 2 IFR Purpose\*\* Issue Plan 02/05/2020 Revised Plan Issue Actual 12/04/2019 Transmittal no Return Date TPSK-LSPA1-T-CV-01333 Owner Cmmt\* CV OL1-2K13-0161 CALCULATION NOTE FOR FOUNDATION OF 10-E-101 Class 2 IFR Purpose\*\* 02/05/2020 Issue Plan Revised Plan 01/04/2019 Issue Actual Transmittal no TPSK-LSPA1-T-CV-01207 Return Date Owner Cmmt CV OL1-2K13-0162 CALCULATION NOTE FOR FOUNDATION OF 10-E-101 Class 2 Purpose\*\* IFR Rev. Issue Plan 02/05/2020 Issue Actual 12/03/2019 Transmittal no. TPSK-LSPA1-T-CV-01033 12/04/2019 Return Date Owner Cmmt\* CV OL1-2K13-0163 CALCULATION NOTE FOR FOUNDATION OF 10-E-101 Class 2 Purpose\*\* IFR Issue Plan 02/05/2020 Revised Plan Issue Actual Transmittal no TPSK-LSPA1-T-CV-01033 Return Date 12/04/2019 Owner Cmmt\* A2 CV OL1-2K13-0182 CALCULATION NOTE FOR FOUNDATION OF 10-E-20 Class 2 IFR Purpose\*\* Issue Plan 02/05/2020 Revised Plan 12/02/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-CV-00843 Return Date 27/02/2019 Owner Cmmt\* CV OL1-2K13-0188 CALCULATION NOTE FOR FOUNDATION OF 10-E-288 Class 2 Purpose\*\* IFR Issue Plan 02/05/2020 Revised Plan 01/04/2019 Issue Actual Transmittal no Return Date Owner Cmmt CV OL1-2K13-0194 CALCULATION NOTE FOR FOUNDATION OF 10-E-10 Class 2 Purpose\*\* Α Issue Plan 02/05/2020

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval Class 2 = For Review Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days **Document Name** Classification Revised Plan 01/04/2019 Issue Actual TPSK-LSPA1-T-CV-01207 Return Date Owner Cmmt\* CV OL1-2K13-0232 CALCULATION NOTE FOR FOUNDATION OF 10-E-258 Class 2 Purpose\*\* 02/05/2020 Issue Plan Revised Plan 01/04/2019 Issue Actual Transmittal no TPSK-LSPA1-T-CV-01207 Return Date Owner Cmmt\* CV OL1-2K13-0287 CALCULATION NOTE FOR FOUNDATION OF 10-D-51 Class 2 Purpose\*\* IFR Issue Plan 02/05/2020 Revised Plan 25/01/2019 Issue Actual TPSK-LSPA1-T-CV-0067 Transmittal no. Return Date Owner Cmmt\* CV OL1-2K13-0322 CALCULATION NOTE FOR FOUNDATION OF 10-T-20 Class 2 Purpose\*\* Issue Plan 02/05/2020 Issue Actual 19/03/2019 Transmittal no TPSK-LSPA1-T-CV-01092 12/04/2019 Return Date Owner Cmmt\* CV OL1-2K13-0323 CALCULATION NOTE FOR FOUNDATION OF 10-T-201 Class 2 IFR Issue Plan 02/05/2020 Revised Plan 19/03/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-CV-01092 Return Date 12/04/2019 Owner Cmmt\* CV OL1-2K13-0324 CALCULATION NOTE FOR FOUNDATION OF 10-T-21 Class 2 IFR Purpose\*\* Issue Plan 02/05/2020 Revised Plan Issue Actual 21/02/2019 19/03/2019 TPSK-LSPA1-T-CV-00904 Transmittal no TPSK-LSPA1-T-CV-0109 12/03/2019 Return Date 12/04/2019 Owner Cmmt CV OL1-2K13-0331 CALCULATION NOTE FOR FOUNDATION OF BASIN 1 Class 2 IFR Purpose\*\* Issue Plan 30/12/2019 Revised Plan Issue Actual 10/04/2019 TPSK-LSPA1-T-CV-01303 Transmittal no Return Date Owner Cmmt\* CV OL1-2K13-0401 Calculation Note For Foundation Of 10-E-2441 Class Final IFR Purpose\*\* Issue Plan Revised Plan 12/04/2019 Issue Actual Transmittal no TPSK-LSPA1-T-CV-01333 Return Date Owner Cmmt\* Category Code: K14 Design calculation for concrete structure (including reinford Category Code: K15 Design calculation for steel structure (including connection Class 2 Category Code: K16 Design calculation for all drainage systems (including roof gu Class 2 Purpose\*\* Purpose\*\* CV OL1-2K16-0001 UNDERGROUND CALCULATION NOTES IFR Purpose\*\* 18/06/2019 Issue Plan Revised Plan 03/04/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-CV-01239 Return Date Owner Cmmt\* Category Code: K17 Design calculation for all blast material i.e. door,wall Category Code: K20 Standard drawing for civil work CV OL1-2K20-0001 CONSTR.STDS.FOR CONCRETE WORKS Purpose\*\* IFR Issue Plan 25/09/2018 20/01/2019 Revised Plan Issue Actual 25/09/2018 06/03/2019 TPSK-LSPA1-T-CV-00088 TPSK-LSPA1-T-CV-00997 Transmittal no. Return Date 02/11/2018 28/03/2019 Owner Cmmt\* A2 Category Code: K21 Standard drawing for steel structure work CV OL1-2K21-0001 CONSTR.STD.STEEL STRUCTURES Purpose\*\* IFR IFC Issue Plan 25/09/2018 31/01/2019 Revised Plan Issue Actual 25/09/2018 06/03/2019 Transmittal no. TPSK-LSPA1-T-CV-00088 TPSK-LSPA1-T-CV-00996 31/03/2019 Return Date 02/11/2018 Owner Cmmt\* Category Code: K22 Standard drawing for architecture work
Category Code: K23 Land Development Drawing

CV | OL1-2K23-0001 | Standard Construction Drawings For Underground Class Final Purpose\*\* IFR Issue Plan

ABBREVIATION Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information DOCUMENT NO. Master Document Index (MDI)

| IFR = Issue For Review | IFA = Issue For Approval | IFC = Issue For Construction | IFC = Issue For Construction | IFC = Issue For Construction | IFC = Issue For Planning | IFC = I LONG SON \*\*Revision Purpose of Issued Document A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Att. To OL1-2W91-0001 036909C-1000-NM-107 | IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification Revised Plan 25/09/2018 Issue Actual TPSK-LSPA1-T-CV-00088 Return Date 02/11/2018 Owner Cmmt\* R1 Category Code: K25 Plant Layouts CV OL1-2K25-0001 KEY PLAN FOR INSTALLATION DWGS Purpose\*\* IFR Issue Plan 01/08/2019 Revised Plan Issue Actual 08/04/2019 TPSK-LSPA1-T-CV-01271 Transmittal no Return Date CV OL1-2K25-0002 KEY PLAN FOR STRUCTURES Owner Cmmt\* Purpose\*\* IFR 06/05/2019 Issue Plan Revised Plan 27/03/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-CV-01171 Return Date Owner Cmmt\* Category Code: K26 Underground communication Layouts Category Code: K27 Road and Drainage Layouts CV OL1-2K27-0001 ROADS, PAVING AND FINISHING LAYOUT Purpose\*\* IFR Issue Plan 15/05/2020 Revised Plan Issue Actual 15/03/2019 Transmittal no. TPSK-LSPA1-T-CV-01074 Return Date 12/04/2019 Owner Cmmt\* Category Code: K28 Fireproofing Plan
Category Code: K30 General Arrangement for Architectural drawings Purpose\*\* CV OL1-2K30-0002 Electrical SUB-E And FAR-1 - Architectural Gro IFR Purpose\*\* Α Issue Plan Revised Plan Issue Actual 21/03/2019 Transmittal no. TPSK-LSPA1-T-CV-01122 Return Date Owner Cmmt CV OL1-2K30-0003 Electrical SUB-E And FAR-1 - Architectural First Flor Class Final IFR Purpose\*\* Α Issue Plan Revised Plan Issue Actual 21/03/2019 TPSK-LSPA1-T-CV-01122 Transmittal no Return Date Owner Cmmt CV OL1-2K30-0004 Electrical SUB-E And FAR-1 - Architectural First Flod Class Final IFR Purpose\*\* Issue Plan Revised Plan 21/03/2019 Issue Actual TPSK-LSPA1-T-CV-01122 Transmittal no. Return Date Owner Cmmt\* CV OL1-2K30-0005 Electrical SUB-E And FAR-1 - Architectural Sections Class Final IFR Α Issue Plan Revised Plan Issue Actual 21/03/2019 TPSK-LSPA1-T-CV-01122 Transmittal no Owner Cmmt\* CV OL1-2K30-0006 Electrical SUB-E And FAR-1 - Architectural Section I Class Final IFR Purpose\*\* Issue Plan Revised Plan Issue Actual 21/03/2019 Transmittal no TPSK-LSPA1-T-CV-01122 Return Date Owner Cmmt CV OL1-2K30-0007 Electrical SUB-E And FAR-1 - Architectural Elevation Class Final Purpose\*\* IFR Α Issue Plan Revised Plan Issue Actual TPSK-LSPA1-T-CV-01122 Transmittal no. Return Date Owner Cmmt\* CV OL1-2K30-0015 ELECTRICAL SUBSTATION SUB-C & FIELD AUXILIARY Class 2 Purpose\*\* 29/03/2020 Issue Plan Revised Plan Issue Actual 21/03/2019 TPSK-LSPA1-T-CV-01122 Return Date Owner Cmmt CV OL1-2K30-0016 Electrical SUB-C And FAR-2 - Architectural First Flor Class Fina Purpose\*\* Α Issue Plan Revised Plan Issue Actual 21/03/2019 Transmittal no. TPSK-LSPA1-T-CV-01122

ABBREVIATION \*\*\*Classification
Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information DOCUMENT NO. Master Document Index (MDI)

| IFR = Issue For Review | IFA = Issue For Approval | IFC = Issue For Construction | IFC = Issue For Construction | IFC = Issue For Construction | IFC = Issue For Planning | IFC = I LONG SON \*\*Revision Purpose of Issued Document A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Att. To OL1-2W91-0001 036909C-1000-NM-107 | IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days **Document Name** Classification Return Date Owner Cmmt\* CV OL1-2K30-0017 Electrical SUB-C And FAR-2 - Architectural Roof Flo Class Final IFR Purpose\*\* Α Issue Plan Revised Plan Issue Actual Transmittal no. TPSK-LSPA1-T-CV-01122 Return Date Owner Cmmt\* CV OL1-2K30-0018 Electrical SUB-C And FAR-2 - Architectural Sections Class Final Purpose\*\* IFR Issue Plan Revised Plan 21/03/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-CV-01122 Return Date CV OL1-2K30-0019 Electrical SUB-C And FAR-2 - Architectural Elevatio Class Final Owner Cmmt\* Purpose\*\* Α Issue Plan Revised Plan Issue Actual 21/03/2019 Transmittal no TPSK-LSPA1-T-CV-01122 Owner Cmmt CV OL1-2K30-0030 GATEHOUSE - ARCHITECTURAL CONSTR. DWGS Class 2 Purpose\*\* IFR Issue Plan 28/11/2019 Revised Plan 14/03/2019 Issue Actual Transmittal no. Return Date 12/04/2019 Owner Cmmt\* CV OL1-2K30-0031 Gatehouse A - Architectural Elevations And Section Class Final Purpose\*\* Α Issue Plan Revised Plan Issue Actual 14/03/2019 Transmittal no TPSL-LSPA1-T-CV-01064 Return Date 12/04/2019 Owner Cmmt CV OL1-2K30-0032 Gatehouse A - Architectural Isometric Views Class Final Purpose\*\* IFR Issue Plan Revised Plan Issue Actual 14/03/2019 TPSL-LSPA1-T-CV-01064 Transmittal no Return Date 12/04/2019 Owner Cmmt\* CV OL1-2K30-0038 Gatehouse A - Architectural Plans Elevations Sectio Class Final IFR Purpose\*\* Issue Plan Revised Plan 14/03/2019 Issue Actual Transmittal no. TPSL-LSPA1-T-CV-01064 Return Date 12/04/2019 Owner Cmmt CV OL1-2K30-0040 OPERATION TOOL ROOM - ARCHITECTURAL CONSTR Class 2 Purpose\*\* IFR Α Issue Plan 16/12/2019 Revised Plan 14/03/2019 Issue Actual TPSL-LSPA1-T-CV-01064 Transmittal no. 12/04/2019 Owner Cmmt\* CV OL1-2K30-0041 Operation Tool Room - Architectural Elevations An Class Final IFR Purpose\*\* Issue Plan Revised Plan Issue Actual 14/03/2019 Transmittal no TPSI -I SPA1-T-CV-01064 Return Date 12/04/2019 Owner Cmmt CV OL1-2K30-0042 Operation Tool Room - Architectural Isometric Vie Class Final Purpose\*\* IFR Α Issue Plan Revised Plan Issue Actual 14/03/2019 TPSL-LSPA1-T-CV-01064 Transmittal no. Return Date 12/04/2019 Owner Cmmt\* CV OL1-2K30-0050 Electrical SUB-F And FAR-F - Architectural Plans And Class Final IFR Purpose\*\* Issue Plan Revised Plan Issue Actual 21/03/2019 TPSK-LSPA1-T-CV-01122 Return Date Owner Cmmt CV OL1-2K30-0051 Electrical SUB-F And FAR-F - Architectural Sections Class Final Purpose\*\* Α Issue Plan Revised Plan Issue Actual 21/03/2019 Transmittal no. TPSK-LSPA1-T-CV-01122

ABBREVIATION \*\*\*Classification

Class 1 = For Approval

Class 2 = For Review

Class 3 = For Information DOCUMENT NO. LONG SON \*\*Revision Purpose of Issued Document A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days **Document Name** Classification Return Date Owner Cmmt\* Category Code: K31 General Arrangement for Civil drawings CV OL1-2K31-0005 Foundation For 10-E-2585 Class Final Purpose\*\* IFR Α Issue Plan Revised Plan 01/04/2019 Issue Actual TPSK-LSPA1-T-CV-01206 Transmittal no. Return Date Owner Cmmt\* CV OL1-2K31-0051 Foundation For 10-D-2210 IFR Purpose\*\* Α Issue Plan Revised Plan Issue Actual 27/03/2019 Transmittal no. TPSK-LSPA1-T-CV-01169 Return Date 12/04/2019 Owner Cmmt\* CV OL1-2K31-0052 Foundation For 10-D-2230 Purpose\*\* IFR Α Issue Plan Revised Plan Issue Actual 27/03/2019 TPSK-LSPA1-T-CV-01169 Transmittal no Return Date 12/04/2019 Owner Cmmt\* CV OL1-2K31-0053 Foundation for 10-D-2405 Class Final IFR Purpose\*\* Issue Plan Revised Plan Issue Actual 27/03/2019 TPSK-LSPA1-T-CV-01169 Return Date 12/04/2019 Owner Cmmt\* CV OL1-2K31-0063 Foundation For 10-E-2412 Purpose\*\* IFR Issue Plan Issue Actual 12/04/2019 TPSK-LSPA1-T-CV-01334 Transmittal no. Return Date Owner Cmmt\* CV OL1-2K31-0070 Foundation For 10-E-2206 Class Final Purpose\*\* Issue Plan Revised Plan Issue Actual 01/04/2019 Transmittal no TPSK-LSPA1-T-CV-01206 Return Date Owner Cmmt CV OL1-2K31-0094 Foundation For 10-T-2580 Class Final IFR Rev. Issue Plan Α Revised Plan 27/03/2019 Issue Actual TPSK-LSPA1-T-CV-01169 Transmittal no 12/04/2019 Owner Cmmt\* R2 CV OL1-2K31-0096 Foundation For 10-T-2570 Class Final Purpose\*\* IFR Issue Plan Revised Plan 27/03/2019 Issue Actual TPSK-LSPA1-T-CV-01169 Return Date 12/04/2019 Owner Cmmt\* CV OL1-2K31-0097 Foundation For 10-T-2510 And 10-T-2540 Purpose\*\* Α Issue Plan Revised Plan Issue Actual 03/04/2019 Transmittal no. TPSK-LSPA1-T-CV-01241 Owner Cmmt\* CV OL1-2K31-0098 Foundation For 10-T-2510 And 10-T-2540 Class Final Purpose\*\* IFR Α Issue Plan Revised Plan 03/04/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-CV-01241 Return Date Owner Cmmt\* CV OL1-2K31-0100 Foundation For 10-D-2411 IFR Purpose\*\* Α Issue Plan Revised Plan Issue Actual 27/03/2019 Transmittal no. TPSK-LSPA1-T-CV-01169 12/04/2019 Return Date Owner Cmmt\* CV OL1-2K31-0101 Foundation Vor 10-D-2480A Class Final Purpose\*\* IFR Issue Plan Revised Plan 27/03/2019 Issue Actual

Master Document Index (MDI)

IFR = Issue For Review
IFA = Issue For Approval
IFC = Issue For Construction
IFC = Issue For Information
IFC = Issue For Information
IFC = Issue For Information ABBREVIATION \*\*\*Classification

Class 1 = For Approval

Class 2 = For Review

Class 3 = For Information DOCUMENT NO. LONG SON \*\*Revision Purpose of Issued Document A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days **Document Name** Classification TPSK-LSPA1-T-CV-01169 Transmittal no. 12/04/2019 Return Date Owner Cmmt\* CV OL1-2K31-0117 Foundation For 10-E-2587 Class Final Purpose\*\* IFR Issue Plan Revised Plan 01/04/2019 Issue Actual TPSK-LSPA1-T-CV-01206 Transmittal no. Return Date Owner Cmmt\* CV OL1-2K31-0157 Foundation For 10-D-2460 IFR Purpose\*\* Α Issue Plan Revised Plan Issue Actual 27/03/2019 Transmittal no. TPSK-LSPA1-T-CV-01169 Return Date 12/04/2019 Owner Cmmt\* CV OL1-2K31-0158 Foundation For 10-D-2440 Purpose\*\* IFR Α Issue Plan Revised Plan Issue Actual 27/03/2019 TPSK-LSPA1-T-CV-01169 Transmittal no Return Date 12/04/2019 Owner Cmmt\* CV OL1-2K31-0166 Foundation For 10-E-2440 Class Final IFR Purpose\*\* Issue Plan Revised Plan Issue Actual 12/04/2019 TPSK-LSPA1-T-CV-01334 Return Date Owner Cmmt\* CV OL1-2K31-0198 Foundation For 10-E-2882 And 10-E-2884 IFR Α Issue Plan Revised Plan Issue Actual 01/04/2019 TPSK-LSPA1-T-CV-01206 Transmittal no. Return Date Owner Cmmt\* CV OL1-2K31-0338 Foundation For 10-E-2441 Class Final Purpose\*\* Issue Plan Revised Plan Issue Actual 12/04/2019 Transmittal no TPSK-LSPA1-T-CV-01334 Return Date Owner Cmmt CV OL1-2K31-2520 Concrete Basin 10-PIT-2090 Class Final Rev. Issue Plan Α Revised Plan 10/04/2019 Issue Actual TPSK-LSPA1-T-CV-01304 Transmittal no Owner Cmmt\* IFR CV OL1-2K31-2521 Concrete Basin 10-PIT-2090 Class Final Purpose\*\* Issue Plan Revised Plan 10/04/2019 Issue Actual TPSK-LSPA1-T-CV-01304 Return Date Owner Cmmt\* CV OL1-2K31-4060 Zone 2A - Piling Plan Purpose\*\* Α Issue Plan Revised Plan Issue Actual 27/03/2019 Transmittal no. TPSK-LSPA1-T-CV-01170 Owner Cmmt\* CV OL1-2K31-4120 Zone 2D - Piling Pla Class Final Purpose\*\* IFR Α Issue Plan Revised Plan 27/03/2019 TPSK-LSPA1-T-CV-01170 Issue Actual Transmittal no. Return Date Owner Cmmt\* Category Code: K32 General Arrangement for Steel Structure drawings CV OL1-2K32-1304 FURNACE STEEL END WALL TUBE SHEET DETAILS Class 3 Purpose\*\* IFI Α Issue Plan Revised Plan 11/04/2019 TPSK-LSPA1-T-CV-01321 Issue Actual Transmittal no. Owner Cmmt\* CV OL1-2K32-1511 USC 36M FURNACE STEEL RADIANT FLOOR & RADIA Class 3 Purpose\*\* Issue Plan Revised Plan

ABBREVIATION Master Document Index (MDI)

IFR = Issue For Review
IFA = Issue For Approval
IFC = Issue For Construction

Start Name: PACKAGE A1: OLEFINS PLANT
IFC = Issue For Information \*\*\*Classification

Class 1 = For Approval

Class 2 = For Review

Class 3 = For Information DOCUMENT NO. LONG SON \*\*Revision Purpose of Issued Document A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification 01/04/2019 Issue Actual TPSK-LSPA1-T-CV-01222 Transmittal no. Return Date Owner Cmmt\* CV OL1-2K32-1512 USC 36M FURNACE STEEL RADIANT SIDE WALL AT C Class 3 Purpose\*\* Issue Plan Revised Plan 01/04/2019 TPSK-LSPA1-T-CV-01222 Issue Actual Transmittal no Return Date Owner Cmmt CV OL1-2K32-1513 USC 36M FURNACE STEEL RADIANT SIDE WALL AT C Class 3 Purpose\*\* IFI Α Issue Plan Revised Plan 01/04/2019 Issue Actual TPSK-LSPA1-T-CV-01222 Transmittal no. Return Date Owner Cmmt\* CV OL1-2K32-1514 USC 36M FURNACE STEEL RADIANT END WALL AT C Class 3 Purpose\*\* Issue Plan Revised Plan 01/04/2019 TPSK-LSPA1-T-CV-01222 Issue Actual Transmittal no Return Date Owner Cmmt CV OL1-2K32-1515 USC 36M FURNACE STEEL TRANSITION FLOOR PLAN Class 3 Purpose\*\* Α Issue Plan Revised Plan Issue Actual 01/04/2019 TPSK-LSPA1-T-CV-01222 Transmittal no. Return Date Owner Cmmt\* CV OL1-2K32-1516 USC 36M FURNACE STEEL SHADOW BOX DETAILS Class 3 Purpose\*\* IFI Issue Plan Revised Plan 01/04/2019 Issue Actual TPSK-LSPA1-T-CV-01222 Transmittal no Return Date Owner Cmmt\* CV OL1-2K32-1517 USC 36M FURNACE STEEL RADIANT SECTIONS & DE Class 3 Purpose\*\* Α Issue Plan Revised Plan Issue Actual 01/04/2019 Transmittal no TPSK-LSPA1-T-CV-01222 Owner Cmmt\* CV OL1-2K32-1518 USC 36M FURNACE STEEL RADIANT SECTIONS & DE Class 3 Purpose\*\* Α Issue Plan Revised Plan 01/04/2019 Issue Actual TPSK-LSPA1-T-CV-01222 Transmittal no. Return Date Owner Cmmt\* CV OL1-2K32-1519 USC 36M FURNACE STEEL RADIANT SECTIONS & DET Class 3 Purpose\*\* Α Issue Plan Revised Plan Issue Actual Transmittal no. TPSK-LSPA1-T-CV-01222 Return Date Owner Cmmt\* CV OL1-2K32-1520 USC 36M FURNACE STEEL VIEW OF CONVECTION SIL Class 3 Purpose\*\* IFI Issue Plan Revised Plan Issue Actual 10/04/2019 TPSK-LSPA1-T-CV-01308 Return Date Owner Cmmt\* CV OL1-2K32-1521 USC 36M FURNACE STEEL VIEW OF CONVECTION SIL Class 3 IFI Purpose\*\* Issue Plan Revised Plan 10/04/2019 Issue Actual TPSK-LSPA1-T-CV-01308 Transmittal no. Return Date Owner Cmmt\* CV OL1-2K32-1522 USC 36M FURNACE STEEL MATCH BOLTING PLANS F Class 3 Purpose\*\* IFI Α Issue Plan Revised Plan 01/04/2019 TPSK-LSPA1-T-CV-01222 Issue Actual Transmittal no. Owner Cmmt\* CV OL1-2K32-1524 USC 36M FURNACE STEEL END WALL TUBE SHEET DI Class 3 Purpose\*\* Issue Plan Revised Plan

ABBREVIATION Master Document Index (MDI)

IFR = Issue For Review
IFA = Issue For Approval
IFC = Issue For Construction

Start Name: PACKAGE A1: OLEFINS PLANT
IFC = Issue For Information \*\*\*Classification

Class 1 = For Approval

Class 2 = For Review

Class 3 = For Information DOCUMENT NO. LONG SON \*\*Revision Purpose of Issued Document A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification 09/04/2019 Issue Actual TPSK-LSPA1-T-CV-01293 Transmittal no. Return Date Owner Cmmt\* CV OL1-2K32-1525 USC 36M FURNACE STEEL END WALL TUBE SHEET D Class 3 Purpose\*\* Issue Plan Revised Plan 09/04/2019 TPSK-LSPA1-T-CV-01293 Issue Actual Transmittal no Return Date Owner Cmmt CV OL1-2K32-1527 USC 36M FURNACE STEEL CONVECTION SECTION HE Class 3 Purpose\*\* IFI Α Issue Plan Revised Plan 09/04/2019 Issue Actual TPSK-LSPA1-T-CV-01293 Transmittal no. Return Date Owner Cmmt\* CV OL1-2K32-1541 USC 36M FURNACE STEEL SECTIONS AND DETAILS Class 3 Purpose\*\* Issue Plan Revised Plan 09/04/2019 TPSK-LSPA1-T-CV-01293 Issue Actual Transmittal no Return Date Owner Cmmt CV OL1-2K32-1550 USC 36M FURNACE STEEL STACK AND DETAILS Class 3 Purpose\*\* Α Issue Plan Revised Plan Issue Actual 09/04/2019 TPSK-LSPA1-T-CV-01293 Transmittal no. Return Date Owner Cmmt\* CV OL1-2K32-1551 USC 36M FURNACE STEEL INSTRUMENT CONNECTIC Class 3 Purpose\*\* IFI Α Issue Plan Revised Plan 30/01/2019 Issue Actual Transmittal no. Return Date 21/02/2019 Owner Cmmt\* CV OL1-2K32-1552 USC 36M FURNACE STEEL RADIANT COIL REMOVAL Class 3 Purpose\*\* Issue Plan Revised Plan Issue Actual 01/04/2019 Transmittal no TPSK-LSPA1-T-CV-01222 Owner Cmmt\* CV OL1-2K32-1553 USC 36M FURNACE STEEL RADIANT TUBE REMOVAL Purpose\*\* Α Issue Plan Revised Plan 01/04/2019 Issue Actual TPSK-LSPA1-T-CV-01222 Transmittal no. Return Date Owner Cmmt\* CV OL1-2K32-1555 USC 36M Recycle Furnace Steel Inspection Door La Class Final Purpose\*\* Α Issue Plan Revised Plan Issue Actual Transmittal no. TPSK-LSPA1-T-CV-01293 Return Date Owner Cmmt\* CV OL1-2K32-1560 USC 36M FURNACE STEEL STANDARD SECTIONS AND Class 3 Purpose\*\* IFI Issue Plan Revised Plan Issue Actual 09/04/2019 TPSK-LSPA1-T-CV-01293 Return Date Owner Cmmt\* CV OL1-2K32-1580 USC 36M FURNACE STEEL BREECHING PLAN AND EL Class 3 IFI Purpose\*\* Issue Plan Revised Plan 09/04/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-CV-01293 Return Date Owner Cmmt\* CV OL1-2K32-1581 USC 36M FURNACE STEEL BREECHING SECTIONS AN Class 3 Purpose\*\* IFI Α Issue Plan Revised Plan 09/04/2019 TPSK-LSPA1-T-CV-01293 Issue Actual Transmittal no. Owner Cmmt\* CV OL1-2K32-1582 USC 36M FURNACE STEEL DUCT PLAN AND ELEVATI Class 3 Purpose\*\* Issue Plan Revised Plan

ABBREVIATION Master Document Index (MDI)

IFR = Issue For Review
IFA = Issue For Approval
IFC = Issue For Construction

Start Name: PACKAGE A1: OLEFINS PLANT
IFC = Issue For Information \*\*\*Classification

Class 1 = For Approval

Class 2 = For Review

Class 3 = For Information DOCUMENT NO. LONG SON \*\*Revision Purpose of Issued Document A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification 09/04/2019 Issue Actual TPSK-LSPA1-T-CV-01293 Transmittal no. Return Date Owner Cmmt\* CV OL1-2K32-2304 FURNACE STEEL END WALL TUBE SHEET DETAILS Class 3 Purpose\*\* Issue Plan Revised Plan 11/04/2019 TPSK-LSPA1-T-CV-01321 Issue Actual Transmittal no Return Date Owner Cmmt CV OL1-2K32-2500 USC 132U & 36M FURNACE GENERAL NOTES & ABB Class 3 IFI Α Issue Plan Revised Plan 01/04/2019 Issue Actual TPSK-LSPA1-T-CV-01222 Transmittal no. Return Date Owner Cmmt\* CV OL1-2K32-2502 USC 132U & 36M FURNACE STEEL BASE PLATE DETA Class 3 Purpose\*\* Issue Plan Revised Plan 01/04/2019 TPSK-LSPA1-T-CV-01222 Issue Actual Transmittal no Return Date Owner Cmmt CV OL1-2K32-2511 USC 132U FURNACE STEEL RADIANT FLOOR & RADI, Class 3 Purpose\*\* Α Issue Plan Revised Plan Issue Actual 01/04/2019 TPSK-LSPA1-T-CV-01222 Transmittal no. Return Date Owner Cmmt\* CV OL1-2K32-2512 USC 132U FURNACE STEEL RADIANT SIDE WALL AT Class 3 Purpose\*\* IFI Issue Plan Revised Plan 01/04/2019 Issue Actual TPSK-LSPA1-T-CV-01222 Transmittal no Return Date Owner Cmmt\* CV OL1-2K32-2513 USC 132U FURNACE STEEL RADIANT SIDE WALL AT Class 3 Purpose\*\* Α Issue Plan Revised Plan Issue Actual 01/04/2019 Transmittal no TPSK-LSPA1-T-CV-01222 Owner Cmmt\* CV OL1-2K32-2514 USC 132U FURNACE STEEL RADIANT END WALL AT Class 3 Purpose\*\* Α Issue Plan Revised Plan 01/04/2019 Issue Actual TPSK-LSPA1-T-CV-01222 Transmittal no. Return Date Owner Cmmt\* CV OL1-2K32-2515 USC 132U FURNACE STEEL TRANSITION FLOOR PLAI Class 3 Purpose\*\* Issue Plan Revised Plan Issue Actual Transmittal no. TPSK-LSPA1-T-CV-01222 Return Date Owner Cmmt\* CV OL1-2K32-2516 USC 132U FURNACE STEEL SHADOW BOX DETAILS Class 3 Purpose\*\* Issue Plan Revised Plan Issue Actual 01/04/2019 TPSK-LSPA1-T-CV-01222 Return Date Owner Cmmt\* CV OL1-2K32-2517 USC 132U FURNACE STEEL RADIANT SECTIONS & DE Class 3 IFI Purpose\*\* Issue Plan Revised Plan 01/04/2019 Issue Actual TPSK-LSPA1-T-CV-01222 Transmittal no. Return Date Owner Cmmt\* CV OL1-2K32-2518 USC 132U FURNACE STEEL RADIANT SECTIONS & DE Class 3 Purpose\*\* IFI Α Issue Plan Revised Plan 01/04/2019 TPSK-LSPA1-T-CV-01222 Issue Actual Transmittal no. Owner Cmmt\* CV OL1-2K32-2519 USC 132U FURNACE STEEL RADIANT SECTIONS & DE Class 3 Purpose\*\* Issue Plan Revised Plan

ABBREVIATION Master Document Index (MDI)

IFR = Issue For Review
IFA = Issue For Approval
IFC = Issue For Construction

Start Name: PACKAGE A1: OLEFINS PLANT
IFC = Issue For Information \*\*\*Classification

Class 1 = For Approval

Class 2 = For Review

Class 3 = For Information DOCUMENT NO. LONG SON \*\*Revision Purpose of Issued Document A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification 01/04/2019 Issue Actual TPSK-LSPA1-T-CV-01222 Transmittal no. Return Date Owner Cmmt\* CV OL1-2K32-2520 USC 132U FURNACE STEEL VIEW OF CONVECTION S Class 3 Purpose\*\* Issue Plan Revised Plan 09/04/2019 TPSK-LSPA1-T-CV-01293 Issue Actual Transmittal no Return Date Owner Cmmt CV OL1-2K32-2521 USC 132U FURNACE STEEL VIEW OF CONVECTION SI Class 3 IFI Α Issue Plan Revised Plan 09/04/2019 Issue Actual TPSK-LSPA1-T-CV-01293 Transmittal no. Return Date Owner Cmmt\* CV OL1-2K32-2522 USC 132U FURNACE STEEL MATCH BOLTING PLANS Class 3 Purpose\*\* Issue Plan Revised Plan 01/04/2019 TPSK-LSPA1-T-CV-01222 Issue Actual Transmittal no Return Date Owner Cmmt CV OL1-2K32-2524 USC 132U FURNACE STEEL END WALL TUBE SHEET Class 3 Purpose\*\* Α Issue Plan Revised Plan Issue Actual 09/04/2019 TPSK-LSPA1-T-CV-01293 Transmittal no. Return Date Owner Cmmt\* CV OL1-2K32-2525 USC 132U FURNACE STEEL END WALL TUBE SHEET D Class 3 Purpose\*\* IFI Issue Plan Revised Plan 09/04/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-CV-01293 Return Date Owner Cmmt\* CV OL1-2K32-2527 USC 132U FURNACE STEEL CONVECTION SECTION H Class 3 Purpose\*\* Α Issue Plan Revised Plan Issue Actual 09/04/2019 Transmittal no TPSK-LSPA1-T-CV-01293 Owner Cmmt\* CV OL1-2K32-2541 USC 132U FURNACE STEEL SECTIONS AND DETAILS Class 3 Purpose\*\* Α Issue Plan Revised Plan 10/04/2019 Issue Actual TPSK-LSPA1-T-CV-01308 Transmittal no. Return Date Owner Cmmt\* CV OL1-2K32-2546 USC 132U FURNACE STEEL NAME PLATE Purpose\*\* Issue Plan Revised Plan Issue Actual 04/12/2018 Transmittal no. TPSK-LSPA1-T-ME-00423 Return Date Owner Cmmt\* CV OL1-2K32-2550 USC 132U FURNACE STEEL STACK AND DETAILS Class 3 Purpose\*\* IFI Issue Plan Revised Plan Issue Actual 09/04/2019 TPSK-LSPA1-T-CV-01293 Return Date Owner Cmmt\* CV OL1-2K32-2551 USC 132U FURNACE STEEL INSTRUMENT CONNECTI Class 3 IFI Purpose\*\* Issue Plan Revised Plan Issue Actual Transmittal no. TPSK-LSPA1-T-ME-00767 Return Date 21/02/2019 Owner Cmmt\* CV OL1-2K32-2552 USC 132U FURNACE STEEL RADIANT COIL REMOVAL Class 3 Purpose\*\* IFI Α Issue Plan Revised Plan 01/04/2019 TPSK-LSPA1-T-CV-01222 Issue Actual Transmittal no. Owner Cmmt\* CV OL1-2K32-2553 USC 132U FURNACE STEEL RADIANT TUBE REMOVAL Class 3 Purpose\*\* Issue Plan Revised Plan

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days **Document Name** Classification Issue Actual 01/04/2019 TPSK-LSPA1-T-CV-01222 Transmittal no. Return Date Owner Cmmt\* CV OL1-2K32-2555 USC 132U Cracking Furnace Steel Inspection Door Class Final Purpose\*\* Issue Plan Revised Plan 10/04/2019 Issue Actual TPSK-LSPA1-T-CV-01308 Transmittal no Return Date Owner Cmmt CV OL1-2K32-2560 USC 132U FURNACE STEEL STANDARD SECTIONS AN Class 3 Α Issue Plan Revised Plan 09/04/2019 Issue Actual TPSK-LSPA1-T-CV-01293 Transmittal no. Return Date Owner Cmmt\* CV OL1-2K32-2580 USC 132U FURNACE STEEL BREECHING PLAN AND E Class 3 Purpose\*\* Issue Plan Revised Plan 09/04/2019 TPSK-LSPA1-T-CV-01293 Issue Actual Transmittal no Return Date Owner Cmmt CV OL1-2K32-2581 USC 132U FURNACE STEEL BREECHING SECTIONS AI Class 3 Purpose\*\* Α Issue Plan Revised Plan Issue Actual 09/04/2019 TPSK-LSPA1-T-CV-01293 Transmittal no. Return Date Owner Cmmt CV OL1-2K32-2582 USC 132U FURNACE STEEL DUCT PLAN AND ELEVAT Class 3 Purpose\*\* IFI Issue Plan Revised Plan 09/04/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-CV-01293 Return Date Owner Cmmt\* Category Code: K33 Shop Detail Drawings
Category Code: K40 Topographic survey report
Category Code: K41 Hydrological survey report Purpose\*\* Issue Plan Category Code: K42 Bathymetric survey report Revised Plan Category Code: K43 Soil investigation & resisitivity report Issue Actual CV OL1-2K43-0002 TECHNICAL SPECIFICATION FOR GEOTECHNICAL INVESTIGATION Purpose\*\* IFR IFR Issue Plan 08/10/2018 Revised Plan 17/10/2018 10/10/2018 Issue Actual TPSK-LSPA1-T-CV-00147 TPSK-LSPA1-T-CV-00188 Transmittal no. Return Date 24/12/2018 01/11/2018 Owner Cmmt\* R1 R1 CV OL1-2K43-0003 Price List For Geotechnical Investigation IFR IFR Purpose\*\* Α В Issue Plan Revised Plan Issue Actual 10/10/2018 17/10/2018 Transmittal no TPSK-LSPA1-T-CV-00147 TPSK-LSPA1-T-CV-00188 24/12/2018 01/11/2018 Return Date Owner Cmmt\* CV OL1-2K43-0004 SOIL INVESTIGATION LAYOUT Purpose\*\* IFR IFR Issue Plan 08/10/2018 Revised Plan 12/10/2018 Issue Actual 10/10/2018 TPSK-LSPA1-T-CV-00145 TPSK-LSPA1-T-CV-00163 Transmittal no Return Date 24/12/2018 24/12/2018 Owner Cmmt\* R1 Category Code: K50 Concrete Test Results
Category Code: K71 Appraisal Report for Consultancy Service
Category Code: K72 Appraisal Report for EPC Contractor Work
Category Code: K73 Appraisal Report for Vendor/Supplier
Category Code: K90 Vendor Document/drawings Category Code: K91 Index/List
Category Code: K92 Procedures & Standards
CV | OL1-2K92-0001 | GENERAL NOTES FOR UNDERGROUND WORKS Purpose\*\* Issue Plan 24/09/2018 10/02/2019 Revised Plan 25/09/2018 01/02/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-CV-00086 TPSK-LSPA1-T-CV-00784 Return Date 02/11/2018 25/02/2019 Owner Cmmt\* CV OL1-2K92-0002 GENERAL NOTES FOR PRECAST CONCRETE WORKS Class 2 Purpose\*\* IFR Issue Plan 05/10/2018 Revised Plan 08/10/2018 Issue Actual Transmittal no TPSK-LSPA1-T-CV-00137 Return Date 24/12/2018 Owner Cmmt\*

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval Class 2 = For Review Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days **Document Name** Classification CV OL1-2K92-0003 GENERAL NOTES FOR CONCRETE WORKS Class 2 Purpose\*\* IFR IFC Issue Plan 24/09/2018 15/01/2019 Revised Plan 25/09/2018 19/02/2019 Issue Actual TPSK-LSPA1-T-CV-00086 TPSK-LSPA1-T-CV-00886 Transmittal no. Return Date 02/11/2018 27/03/2019 Owner Cmmt\* R1 A2 CV OL1-2K92-0004 GENERAL NOTES FOR STEEL STRUCTURE IFC1 Class 2 Purpose\*\* Α Issue Plan 24/09/2018 15/01/2019 Revised Plan Issue Actual 25/09/2018 15/02/2019 06/03/2019 Transmittal no. TPSK-LSPA1-T-CV-00086 TPSK-LSPA1-T-CV-00867 TPSK-LSPA1-T-CV-00993 Return Date 02/11/2018 27/03/2019 31/03/2019 Owner Cmmt\* R1 A2 A2 CV OL1-2K92-0005 GENERAL NOTES FOR PILES Purpose\*\* IFR Issue Plan 28/02/2019 Revised Plan 19/03/2019 Issue Actual TPSK-LSPA1-T-CV-0109 Transmittal no Return Date 12/04/2019 Owner Cmmt\* A1 Category Code: K93 Policy , Guidelines & Category Code: K94 Forms & Templates Category Code: K95 Progress/Status Reports
Category Code: L01 Passive & Active Fire Protection Philosophy SE OL1-2L01-0001 FIREFIGHTING SYSTEM SPECIFICATION IFR Purpose\*\* 16/01/2019 Issue Plan Revised Plan Issue Actual 01/02/2019 TPSK-LSPA1-T-PE-00782 Transmittal no. Return Date 18/03/2019 Owner Cmmt\* SE OL1-2L01-0002 PASSIVE FIRE PROTECTION SPECIFICATION Purpose\*\* IFR Issue Plan 18/01/2019 Revised Plan 29/01/2019 Issue Actual Transmittal no Return Date 04/04/2019 Owner Cmmt\* Category Code: L02 Active Fire Protection System
Category Code: L03 Firefighting equipment data sheet Purpose\*\* Class 2 Category Code: L20 Fire system calculation Rev. SE OL1-2L20-0001 FIRE WATER DEMAND CALCULATION AND HYDRAUI Class 2 IFR Purpose\*\* Issue Plan 17/09/2019 Issue Actual 07/03/2019 Transmittal no. TPSK-LSPA1-T-SE-0100 Return Date 09/04/2019 Owner Cmmt Category Code: L40 Active Fire Fighting Systems Purpose\*\* SE OL1-2L40-1000 OVERALL FIRE WATER NETWORK DRAWING IFR Class 2 Purpose\*\* Issue Plan 08/02/2019 Revised Plan 29/03/2019 Issue Actual TPSK-LSPA1-T-SE-01198 Return Date Owner Cmm Category Code: L41 Passive Fire Protection Draw Purpose\*\* Category Code: L42 Hazardous Area Classification Class 2 Purpose\*\* SE OL1-2L42-0001 Hazardous Area Classification - Overall Class As built Purpose\*\* IFA Issue Plan Revised Plan Issue Actual 11/03/2019 Transmittal no TPSK-LSPA1-T-SF-01015 Return Date 25/03/2019 Owner Cmmt SE OL1-2L42-0002 HAZARDOUS AREA CLASSIFICATION DRAWING, OLE Class 1 Purpose\*\* IFA Α Issue Plan Revised Plan Issue Actual 11/03/2019 TPSK-LSPA1-T-SE-01015 Transmittal no. Return Date 25/03/2019 Owner Cmmt\* SE OL1-2L42-0003 HAZARDOUS AREA CLASSIFICATION DRAWING Class 2 Purpose\*\* IFA Issue Plan Revised Plan 11/03/2019 Issue Actual TPSK-LSPA1-T-SE-01015 Return Date 25/03/2019 Owner Cmmt SE OL1-2L42-0004 Hazardous Area Classification - Zone OS - Electrical Class As built IFA Purpose\*\* Α Issue Plan Revised Plan Issue Actual 11/03/2019 Transmittal no. TPSK-LSPA1-T-SE-01015

ABBREVIATION \*\*\*Classification
Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information DOCUMENT NO. Master Document Index (MDI)

| IFR = Issue For Review | IFA = Issue For Approval | IFC = Issue For Construction | IFC = Issue For Construction | IFC = Issue For Construction | IFC = Issue For Planning | IFC = I LONG SON \*\*Revision Purpose of Issued Document A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days **Document Name** Classification Return Date 25/03/2019 Owner Cmmt\* A3 SE OL1-2L42-0005 HAZARDOUS AREA CLASSIFICATION DRAWING - COC Class 2 Purpose\*\* IFA Α Issue Plan Revised Plan 11/03/2019 TPSK-LSPA1-T-SE-01015 Issue Actual Transmittal no. Return Date 25/03/2019 Owner Cmmt\* SE OL1-2L42-0006 HAZARDOUS AREA CLASSIFICATION DRAWING - WA Class 2 Purpose\*\* IFA Issue Plan Revised Plan 11/03/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-SE-01015 Return Date 25/03/2019 Owner Cmmt\* SE OL1-2L42-0007 HAZARDOUS AREA CLASSIFICATION DRAWING - UTI Class 2 IFA Purpose\*\* Α Issue Plan Revised Plan Issue Actual 11/03/2019 Transmittal no TPSK-LSPA1-T-SE-01015 25/03/2019 Owner Cmmt SE OL1-2L42-0008 HAZARDOUS AREA CLASSIFICATION DRAWING - FLA Class 2 Purpose\*\* IFA Issue Plan Revised Plan 11/03/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-SE-01015 Return Date 25/03/2019 Owner Cmmt\* A3 SE OL1-2L42-0009 HAZARDOUS AREA CLASSIFICATION DRAWING - ME Class 2 IFA Purpose\*\* Α Issue Plan Revised Plan Issue Actual 11/03/2019 Transmittal no TPSK-LSPA1-T-SE-01015 Return Date 25/03/2019 Owner Cmmt SE OL1-2L42-0010 HAZARDOUS AREA CLASSIFICATION DRAWING - FUF Class 2 Purpose\*\* IFA Issue Plan Revised Plan Issue Actual 11/03/2019 TPSK-LSPA1-T-SE-01015 Transmittal no Return Date 25/03/2019 Owner Cmmt\* A3 SE OL1-2L42-0011 HAZARDOUS AREA CLASSIFICATION DRAWING - FUF Class 2 IFA Purpose\*\* Issue Plan Revised Plan 11/03/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-SE-01015 Return Date 25/03/2019 Owner Cmmt SE OL1-2L42-0012 HAZARDOUS AREA CLASSIFICATION DRAWING - QUI Class 2 IFA Α Issue Plan Revised Plan Issue Actual 11/03/2019 TPSK-LSPA1-T-SE-01015 Transmittal no. 25/03/2019 Owner Cmmt\* SE OL1-2L42-0013 HAZARDOUS AREA CLASSIFICATION DRAWING - C3 Class 2 Purpose\*\* IFA Issue Plan Revised Plan Issue Actual 11/03/2019 Transmittal no TPSK-I SPA1-T-SF-01015 Return Date 25/03/2019 Owner Cmmt SE OL1-2L42-0014 HAZARDOUS AREA CLASSIFICATION DRAWING - PRO Class 2 Purpose\*\* IFA Α Issue Plan Revised Plan Issue Actual 11/03/2019 TPSK-LSPA1-T-SE-01015 Transmittal no. Return Date 25/03/2019 Owner Cmmt\* SE OL1-2L42-0015 HAZARDOUS AREA CLASSIFICATION DRAWING - CRA Class 2 Purpose\*\* IFA Issue Plan Revised Plan Issue Actual 11/03/2019 TPSK-LSPA1-T-SE-01015 Return Date 25/03/2019 Owner Cmmt SE OL1-2L42-0016 HAZARDOUS AREA CLASSIFICATION DRAWING - BU Class 2 IFA Purpose\*\* Α Issue Plan Revised Plan Issue Actual 11/03/2019 TPSK-LSPA1-T-SE-01015 Transmittal no.

ABBREVIATION DOCUMENT NO. \*Owner Feedback (Comment)

R1 = No comments
d R2 = Comments as noted \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval Class 2 = For Review Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation A1 = App. w/o comments LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days **Document Name** Classification Return Date 25/03/2019 Owner Cmmt\* A3 SE OL1-2L42-0017 HAZARDOUS AREA CLASSIFICATION DRAWING - HO IFA Α Issue Plan Revised Plan 11/03/2019 TPSK-LSPA1-T-SE-01015 Issue Actual Transmittal no. Return Date 25/03/2019 Owner Cmmt\* SE OL1-2L42-0020 Hazardous Area Classification - Details Class As built Purpose\*\* IFA Issue Plan Revised Plan 11/03/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-SE-01015 Return Date 25/03/2019 Owner Cmmt\* Category Code: L43 Risk Matrix
Category Code: L44 Life saving Equip & Escape Route Drawing
Category Code: L60 All project study and Report pertain to Loss control and Safe
SE OL1-2L60-0051 MSDS for Chemicals and Catalysts Purpose\*\* Purpose\* Issue Plan Issue Actual 23/01/2019 Transmittal no TPSK-LSPA1-T-SE-00707 Return Date Owner Cmmt Category Code: L62 Recommendation Monitoring System Category Code: L62 Recommendation wonitor
Category Code: L63 Record of Survey
Category Code: L64 Report of audit
Category Code: L65 Hazardous Source Data
Category Code: L66 Register of Safety Devices Class 2 Purpose\*\* Issue Plan Class 2 Purpose\*\* Category Code: L67 Equipment Failure Information
Category Code: L70 Emergency Procedures Manual Purpose\*\* Category Code: L71 Test Procedures Issue Plan Category Code: L72 Loss Control and Safety procedure
Category Code: L81 Appraisal Report for Consultancy Service Revised Plan Issue Actual Category Code: L82 Appraisal Report for EPC Contractor Work Transmittal no. Category Code: L83 Appraisal Report for Vendor/Supplier
Category Code: L90 Vendor Document/drawings
Category Code: L91 Index/List Return Date Owner Cmmt\* Category Code: 192 Procedures & Standards
Category Code: L93 Policy , Guidelines & Memo
Category Code: 194 Forms & Templates Category Code: L95 Progress/Status Reports Category Code: M03 Mechanical datasheet ME OL1-2M03-1000 MECHANICAL EQUIPMENT DATA SHEET - 10-D-1000 Class 1 IFQ Issue Plan Issue Actual 13/12/2018 TPSK-LSPA1-T-ME-00483 Transmittal no. Return Date 22/01/2019 Owner Cmmt\* R1 IFR ME OL1-2M03-1001 MECHANICAL DATASHEET FOR API 560 INDUCED DI Class 2 IMP Purpose\*\* Issue Plan 31/10/2018 Revised Plan 31/10/2018 Issue Actual 11/03/2019 TPSK-LSPA1-T-ME-00247 TPSK-LSPA1-T-ME-0102 Return Date 29/03/2019 Owner Cmmt ME OL1-2M03-1002 MECHANICAL EQUIPMENT DATA SHEET - 10-E-1000 Purpose\*\* Α Issue Plan Revised Plan 22/01/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-ME-00684 Return Date 11/02/2019 Owner Cmmt\* ME OL1-2M03-1003 MECHANICAL EQUIPMENT DATA SHEET - 10-E-1001 Class 1 Purpose\*\* IFQ IFQ Issue Plan Revised Plan 03/01/2019 27/02/2019 Issue Actual TPSK-LSPA1-T-ME-00573 TPSK-LSPA1-T-ME-0094 Transmittal no Return Date 24/01/2019 25/03/2019 Owner Cmmt R2 ME OL1-2M03-1005 MECHANICAL EQUIPMENT DATA SHEET - 10-E-1005 Class 1 Purpose\*\* Issue Plan Revised Plan Issue Actual 03/01/2019 02/04/2019 Transmittal no. TPSK-LSPA1-T-ME-00573 | TPSK-LSPA1-T-ME-01230 Return Date 24/01/2019 Owner Cmmt\* ME OL1-2M03-1006 Mechanical Equipment Data Sheet - 10-E-1006 - LP Class Final Purpose\*\* IFQ Issue Plan Revised Plan 19/03/2019 Issue Actual Transmittal no TPSK-LSPA1-T-ME-0109 Return Date 11/04/2019 Owner Cmmt\*

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification ME OL1-2M03-1015 MECHANICAL EQUIPMENT DATA SHEET - 10-E-1015 Purpose\*\* IFQ IFQ В Issue Plan Revised Plan 01/03/2019 Issue Actual 27/12/2018 TPSK-LSPA1-T-ME-00571 TPSK-LSPA1-T-ME-00971 Transmittal no. Return Date 22/01/2019 Owner Cmmt\* R2 ME OL1-2M03-1020 MECHANICAL EQUIPMENT DATA SHEET - 10-E-1020 Class 1 IFQ Purpose\*\* Issue Plan Revised Plan Issue Actual 17/01/2019 02/04/2019 Transmittal no. TPSK-LSPA1-T-ME-00671 TPSK-LSPA1-T-ME-01230 Return Date 11/02/2019 Owner Cmmt\* ME OL1-2M03-1051 MECHANICAL EQUIPMENT DATA SHEET - 10-E-1050 Class 1 Purpose\*\* IFQ Issue Plan Revised Plan 03/01/2019 01/03/2019 Issue Actual TPSK-LSPA1-T-ME-00573 TPSK-LSPA1-T-ME-00961 Transmittal no Return Date 24/01/2019 29/03/2019 Owner Cmmt\* R2 ME OL1-2M03-1105 API Fired Heater Datasheet 10-H-1100 IFR Purpose\*\* Issue Plan Revised Plan Issue Actual 15/03/2019 Transmittal no TPSK-LSPA1-T-ME-01084 Return Date Owner Cmmt\* ME OL1-2M03-1205 API Fired Heater Datasheet 10-H-1200\_1600 IFR Α Issue Plan Revised Plan Issue Actual 15/03/2019 TPSK-LSPA1-T-ME-0108 Return Date Owner Cmmt\* ME OL1-2M03-1911 Mechanical Equipment Data Sheet - DMDS Bulk Std Class Final IFQ IFQ Purpose\*\* Issue Plan Revised Plan 28/01/2019 TPSK-LSPA1-T-ME-00743 Issue Actual 12/04/2019 Transmittal no TPSK-LSPA1-T-MF-01347 Return Date 21/02/2019 Owner Cmmt\* ME OL1-2M03-1912 Mechanical Equipment Data Sheet - DMDS Injectio Class Final IFQ Issue Plan Issue Actual 28/01/2019 12/04/2019 TPSK-LSPA1-T-ME-00744 TPSK-LSPA1-T-ME-01347 Transmittal no. Return Date 21/02/2019 Owner Cmmt\* ME OL1-2M03-1913 Mechanical Equipment Datasheet - DMDS Feed Inje Class Final IFQ IFQ Purpose\*\* Issue Plan Revised Plan 01/02/2019 Issue Actual 15/03/2019 TPSK-LSPA1-T-ME-00787 TPSK-LSPA1-T-ME-01086 Return Date 21/02/2019 02/04/2019 Owner Cmmt ME OL1-2M03-1914 Mechanical Equipment Datasheet - DMDS Presulfiq Class Final IFQ IFQ Purpose\*\* Issue Plan Revised Plan 15/03/2019 Issue Actual 01/02/2019 Transmittal no. TPSK-LSPA1-T-ME-00787 TPSK-LSPA1-T-ME-01086 Return Date 02/04/2019 21/02/2019 Owner Cmmt\* ME OL1-2M03-1950 MECHANICAL EQUIPMENT DATA SHEET - 10-PK-195 Class 1 Purpose\*\* IFQ IFQ IFA Issue Plan Revised Plan 11/10/2018 01/11/2018 13/09/2018 Issue Actual PSK-LSPA1-T-ME-00261 TPSK-LSPA1-T-ME-0016: Transmittal no. Return Date 29/11/2018 02/10/2018 Owner Cmmt\* R1 A3 ME OL1-2M03-2000 MECHANICAL EQUIPMENT DATA SHEET - 10-T-2000 Class 1 IFQ Purpose\*\* Α Issue Plan Revised Plan 04/12/2018 Issue Actual 06/02/2019 Transmittal no. TPSK-LSPA1-T-ME-00420 TPSK-LSPA1-T-ME-00801 Return Date 27/12/2018 25/02/2019 Owner Cmmt\* ME OL1-2M03-2001 MECHANICAL DATASHEET FOR API 560 INDUCED DI Class 2 Purpose\*\* IFR IMP Issue Plan 31/10/2018 Revised Plan 31/10/2018 11/03/2019 Issue Actual Transmittal no Return Date 29/03/2019 Owner Cmmt\*

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days **Document Name** Classification ME OL1-2M03-2002 ELEVATOR DATA SHEET Class 2 Purpose\*\* IFR Issue Plan 19/12/2018 Revised Plan 18/01/2019 Issue Actual TPSK-LSPA1-T-ME-00681 Transmittal no. Return Date 08/02/2019 Owner Cmmt\* ME OL1-2M03-2006 MECHANICAL EQUIPMENT DATA SHEET - 10-P-2006 Class 1 IFQ IFQ Purpose\*\* Issue Plan Revised Plan Issue Actual 26/10/2018 11/12/2018 27/03/2019 Transmittal no. TPSK-LSPA1-T-ME-00235 TPSK-LSPA1-T-ME-00476 TPSK-LSPA1-T-ME-01173 Return Date 19/11/2018 16/01/2019 Owner Cmmt\* R2 R1 ME OL1-2M03-2010 Mechanical Equipment Data sheet - Quench Oil Filt Class Final Purpose\*\* IFQ Issue Plan Revised Plan 11/01/2019 Issue Actual TPSK-LSPA1-T-ME-00639 Transmittal no Return Date 30/01/2019 Owner Cmmt\* ME OL1-2M03-2014 Mechanical Equipment Datasheet - QO Pump Purg Class Final IFQ Purpose\* Issue Plan Revised Plan Issue Actual 11/01/2019 Transmittal no TPSK-LSPA1-T-ME-00639 Return Date 30/01/2019 Owner Cmmt\* ME OL1-2M03-2015 Mechanical Equipment Data Sheet - 10-E-2008 - LS Class Final IFQ IFQ Issue Plan Issue Actual 14/01/2019 29/03/2019 TPSK-LSPA1-T-ME-00643 TPSK-LSPA1-T-ME-0120 Return Date 04/02/2019 Owner Cmmt\* ME OL1-2M03-2020 MECHANICAL EQUIPMENT DATA SHEET - 10-T-2020 Class 1 IFQ IFQ Purpose\*\* Issue Plan Revised Plan 10/12/2018 TPSK-LSPA1-T-ME-00447 Issue Actual 06/02/2019 Transmittal no TPSK-LSPA1-T-ME-0080 Return Date 27/01/2019 25/02/2019 Owner Cmmt\* ME OL1-2M03-2024 MECHANICAL EQUIPMENT DATA SHEET - 10-P-2026 Class 1 Purpose\*\* IFQ IFQ Issue Plan Issue Actual 10/12/2018 TPSK-LSPA1-T-ME-00457 01/02/2019 TPSK-LSPA1-T-ME-00786 Transmittal no. Return Date 27/12/2018 21/02/2019 Owner Cmmt\* ME OL1-2M03-2025 MECHANICAL EQUIPMENT DATA SHEET - 10-F-2026 Class 1 IFQ IFQ Purpose\*\* Issue Plan Revised Plan 11/01/2019 Issue Actual 25/03/2019 TPSK-LSPA1-T-ME-00639 TPSK-LSPA1-T-ME-01141 Return Date 30/01/2019 11/04/2019 Owner Cmmt ME OL1-2M03-2026 MECHANICAL EQUIPMENT DATA SHEET - 10-E-2026 Class 1 IFQ IFQ Purpose\*\* Issue Plan Revised Plan 22/01/2019 10/04/2019 Issue Actual TPSK-LSPA1-T-ME-00683 TPSK-LSPA1-T-ME-0130 Transmittal no. Return Date 11/02/2019 Owner Cmmt\* ME OL1-2M03-2028 MECHANICAL EQUIPMENT DATA SHEET - 10-F-2028 Class 1 Purpose\*\* IFQ IFQ Issue Plan Revised Plan 11/01/2019 25/03/2019 Issue Actual TPSK-LSPA1-T-ME-00639 TPSK-LSPA1-T-ME-01141 Transmittal no Return Date 30/01/2019 11/04/2019 Owner Cmmt\* R1 ME OL1-2M03-2040 MECHANICAL EQUIPMENT DATA SHEET - 10-T-2040 Class 1 Purpose\*\* Issue Plan Revised Plan 05/12/2018 Issue Actual 28/11/2018 06/02/2019 Transmittal no. TPSK-LSPA1-T-ME-00387 TPSK-LSPA1-T-ME-00418 TPSK-LSPA1-T-ME-00815 Return Date 17/12/2018 27/12/2018 21/02/2019 Owner Cmmt\* R1 ME OL1-2M03-2046 MECHANICAL EQUIPMENT DATA SHEET - 10-P-2046 Class 1 Purpose\*\* IFQ IFQ Issue Plan Revised Plan 01/02/2019 10/12/2018 Issue Actual Transmittal no TPSK-LSPA1-T-ME-00457 TPSK-LSPA1-T-ME-00786 Return Date 27/12/2018 21/02/2019 Owner Cmmt\*

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification ME OL1-2M03-2048 MECHANICAL EQUIPMENT DATA SHEET - 10-E-2048 Class 1 Purpose\*\* IFQ IFQ В Issue Plan Revised Plan 11/04/2019 Issue Actual 22/01/2019 TPSK-LSPA1-T-ME-00683 TPSK-LSPA1-T-ME-01324 Transmittal no. Return Date Owner Cmmt\* R1 ME OL1-2M03-2049 MECHANICAL EQUIPMENT DATA SHEET - 10-F-2048 Class 1 IFQ Purpose\*\* Issue Plan Revised Plan Issue Actual 11/01/2019 26/03/2019 Transmittal no. TPSK-LSPA1-T-ME-00639 TPSK-LSPA1-T-ME-01157 Return Date 30/01/2019 11/04/2019 Owner Cmmt\* R2 ME OL1-2M03-2090 MECHANICAL EQUIPMENT DATA SHEET - 10-D-2090 Class 1 Purpose\*\* IFQ IFQ Issue Plan Revised Plan 11/01/2019 02/04/2019 Issue Actual TPSK-LSPA1-T-ME-00638 TPSK-LSPA1-T-ME-1226 Transmittal no Return Date 31/01/2019 Owner Cmmt\* ME OL1-2M03-2091 MECHANICAL EQUIPMENT DATA SHEET - 10-P-2090 Class 1 IFQ IFQ Purpose\* Issue Plan Revised Plan Issue Actual 13/12/2018 02/04/2019 Transmittal no TPSK-LSPA1-T-ME-00494 TPSK-LSPA1-T-ME-0122 Return Date 14/01/2019 Owner Cmmt\* ME OL1-2M03-2100 MECHANICAL EQUIPMENT DATA SHEET - 10-T-2100 Class 1 IFQ IFQ Issue Plan Issue Actual 07/12/2018 06/02/2019 TPSK-LSPA1-T-ME-00443 TPSK-LSPA1-T-ME-00803 Return Date 27/12/2018 Owner Cmmt\* ME OL1-2M03-2101 MECHANICAL EQUIPMENT DATA SHEET - 10-E-2100 Class 1 IFP IFQ IFA Purpose\*\* Issue Plan Revised Plan 10/10/2018 TPSK-LSPA1-T-ME-00154 Issue Actual 25/02/2019 TPSK-LSPA1-T-ME-0930 Transmittal no TPSK-LSPA1-T-ME-0005 Return Date 07/11/2018 25/03/2019 28/09/2018 Owner Cmmt\* R1 ME OL1-2M03-2104 MECHANICAL EQUIPMENT DATA SHEET - 10-F-2105 Class 1 Purpose\*\* IFQ IFQ Issue Plan Issue Actual 11/01/2019 TPSK-LSPA1-T-ME-00639 25/03/2019 TPSK-LSPA1-T-ME-01141 Transmittal no. Return Date 30/01/2019 11/04/2019 Owner Cmmt\* ME OL1-2M03-2105 MECHANICAL EQUIPMENT DATA SHEET - 10-P-2105 Class 1 IFQ IFQ Purpose\*\* Issue Plan Revised Plan 10/12/2018 08/04/2019 Issue Actual TPSK-LSPA1-T-ME-00457 TPSK-LSPA1-T-ME-01279 Return Date 27/12/2018 Owner Cmmt ME OL1-2M03-2106 MECHANICAL EQUIPMENT DATA SHEET - 10-P-2106 Class 1 IFQ Purpose\*\* Issue Plan Revised Plan 27/03/2019 Issue Actual 27/10/2018 Transmittal no. Return Date 19/11/2018 16/01/2019 Owner Cmmt\* ME OL1-2M03-2110 MECHANICAL EQUIPMENT DATA SHEET - 10-D-2110 Class 1 Purpose\*\* IFQ Issue Plan Revised Plan 22/01/2019 Issue Actual TPSK-LSPA1-T-ME-0068 Transmittal no Return Date 15/02/2019 Owner Cmmt ME OL1-2M03-2120 MECHANICAL EQUIPMENT DATA SHEET - 10-T-2120 Class 1 Purpose\*\* Issue Plan Revised Plan 20/12/2018 Issue Actual 12/02/2019 Transmittal no. TPSK-LSPA1-T-ME-00546 TPSK-LSPA1-T-ME-00840 Return Date 22/01/2019 28/02/2019 Owner Cmmt\* ME OL1-2M03-2125 MECHANICAL EQUIPMENT DATA SHEET - 10-E-2125 Class 1 Purpose\*\* IFQ IFQ Issue Plan Revised Plan 07/01/2019 10/04/2019 Issue Actual Transmittal no Return Date 24/01/2019 Owner Cmmt\*

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification ME OL1-2M03-2126 MECHANICAL EQUIPMENT DATA SHEET - 10-P-2126 Class 1 Purpose\*\* IFQ IFQ В Issue Plan Revised Plan 20/03/2019 Issue Actual 05/12/2018 TPSK-LSPA1-T-ME-00410 TPSK-LSPA1-T-ME-01102 Transmittal no. Return Date 10/04/2019 Owner Cmmt\* R1 ME OL1-2M03-2137 MECHANICAL EQUIPMENT DATA SHEET - 10-E-2136 Class 1 Purpose\*\* Issue Plan Revised Plan Issue Actual 03/01/2019 04/04/2019 Transmittal no. TPSK-LSPA1-T-ME-00573 TPSK-LSPA1-T-ME-01251 Return Date 24/01/2019 Owner Cmmt\* R2 ME OL1-2M03-2138 MECHANICAL EQUIPMENT DATA SHEET - 10-F-2136 Class 1 Purpose\*\* IFQ Issue Plan Revised Plan 11/01/2019 25/03/2019 Issue Actual TPSK-LSPA1-T-ME-00639 TPSK-LSPA1-T-ME-0114: Transmittal no Return Date 30/01/2019 11/04/2019 Owner Cmmt\* ME OL1-2M03-2140 MECHANICAL EQUIPMENT DATA SHEET - 10-T-2140 Class 1 IFQ IFQ Purpose\*\* Issue Plan Revised Plan Issue Actual 10/12/2018 06/02/2019 Transmittal no TPSK-LSPA1-T-ME-00458 TPSK-LSPA1-T-ME-0080: Return Date 27/12/2018 25/02/2019 Owner Cmmt\* ME OL1-2M03-2145 MECHANICAL EQUIPMENT DATA SHEET - 10-E-2145 Class 1 IFQ Issue Plan Issue Actual 22/01/2019 TPSK-LSPA1-T-ME-00684 Return Date Owner Cmmt\* ME OL1-2M03-2146 MECHANICAL EQUIPMENT DATA SHEET - 10-P-2146 Class 1 IFQ IFQ Purpose\*\* Issue Plan Revised Plan 26/10/2018 TPSK-LSPA1-T-ME-00235 Issue Actual 11/12/2018 Transmittal no TPSK-LSPA1-T-ME-0047 Return Date 19/11/2018 16/01/2019 Owner Cmmt\* ME OL1-2M03-2147 MECHANICAL EQUIPMENT DATA SHEET - 10-E-2146 Class 1 Purpose\*\* IFQ IFQ Issue Plan Issue Actual 14/01/2019 TPSK-LSPA1-T-ME-00650 TPSK-LSPA1-T-ME-01302 Transmittal no. Return Date 31/01/2019 Owner Cmmt\* ME OL1-2M03-2160 MECHANICAL EQUIPMENT DATA SHEET - 10-D-2160 Class 1 IFQ Purpose\*\* Issue Plan Revised Plan 13/12/2018 Issue Actual TPSK-LSPA1-T-ME-00483 Return Date 22/01/2019 Owner Cmmt ME OL1-2M03-2161 MECHANICAL EQUIPMENT DATA SHEET - 10-E-2160 Class 1 IFQ Purpose\*\* Issue Plan Revised Plan 11/01/2019 02/04/2019 Issue Actual TPSK-LSPA1-T-ME-00641 TPSK-LSPA1-T-ME-01230 Transmittal no. Return Date 04/02/2019 Owner Cmmt\* ME OL1-2M03-2165 MECHANICAL EQUIPMENT DATA SHEET - 10-E-2165 Class 1 Purpose\*\* IFQ IFQ Issue Plan Revised Plan 03/01/2019 29/03/2019 Issue Actual TPSK-LSPA1-T-ME-00582 Transmittal no Return Date 24/01/2019 Owner Cmmt ME OL1-2M03-2166 MECHANICAL EQUIPMENT DATA SHEET - 10-E-2166 Class 1 Purpose\*\* Issue Plan Revised Plan Issue Actual 22/01/2019 03/04/2019 Transmittal no. TPSK-LSPA1-T-ME-00684 TPSK-LSPA1-T-ME-01248 Return Date 11/02/2019 Owner Cmmt\* ME OL1-2M03-2190 MECHANICAL EQUIPMENT DATA SHEET - 10-D-2190 Class 1 Purpose\*\* IFQ IFQ Issue Plan Revised Plan 11/01/2019 02/04/2019 Issue Actual Transmittal no Return Date 31/01/2019 Owner Cmmt\*

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification ME OL1-2M03-2191 MECHANICAL EQUIPMENT DATA SHEET - 10-P-2190 Class 1 Purpose\*\* IFQ Α Issue Plan Revised Plan Issue Actual 29/11/2018 TPSK-LSPA1-T-ME-00400 Transmittal no. Return Date Owner Cmmt\* R2 ME OL1-2M03-2200 MECHANICAL EQUIPMENT DATA SHEET - 10-C-2200 Class 1 IFQ Purpose\*\* Issue Plan Revised Plan Issue Actual 03/10/2018 06/11/2018 21/03/2019 10/09/2018 Transmittal no. Return Date 30/11/2018 05/04/2019 28/09/2018 Owner Cmmt\* R1 R1 ME OL1-2M03-2206 MECHANICAL EQUIPMENT DATA SHEET - 10-E-2206 Class 1 Purpose\*\* IFQ IFQ Issue Plan Revised Plan 07/01/2019 20/03/2019 Issue Actual TPSK-LSPA1-T-ME-00584 TPSK-LSPA1-T-ME-0111 Transmittal no Return Date 24/01/2019 11/04/2019 Owner Cmmt\* ME OL1-2M03-2210 MECHANICAL EQUIPMENT DATA SHEET - 10-D-2210 Class 1 IFQ Purpose\*\* Issue Plan Revised Plan Issue Actual 22/01/2019 Transmittal no TPSK-LSPA1-T-ME-00685 Return Date 15/02/2019 Owner Cmmt\* ME OL1-2M03-2211 MECHANICAL EQUIPMENT DATA SHEET - 10-E-2210 IFQ IFQ Issue Plan Issue Actual 22/01/2019 20/03/2019 TPSK-LSPA1-T-ME-00683 TPSK-LSPA1-T-ME-01110 Return Date 11/02/2019 Owner Cmmt\* R2 ME OL1-2M03-2212 MECHANICAL EQUIPMENT DATA SHEET - 10-P-2210 Class 1 IFQ Purpose\*\* Issue Plan Revised Plan 05/12/2018 TPSK-LSPA1-T-ME-00413 Issue Actual Transmittal no 27/12/2018 R2 Return Date Owner Cmmt\* ME OL1-2M03-2220 MECHANICAL EQUIPMENT DATA SHEET - 10-D-2220 Class 1 Purpose\*\* IFQ Issue Plan Issue Actual 13/12/2018 28/03/2019 TPSK-LSPA1-T-ME-00483 TPSK-LSPA1-T-ME-01186 Transmittal no. Return Date 22/01/2019 Owner Cmmt\* ME OL1-2M03-2221 MECHANICAL EQUIPMENT DATA SHEET - 10-E-2220 Class 1 IFQ IFQ Purpose\*\* Issue Plan Revised Plan 07/01/2019 Issue Actual 20/03/2019 TPSK-LSPA1-T-ME-00588 TPSK-LSPA1-T-ME-01110 Return Date 30/01/2019 11/04/2019 Owner Cmmt ME OL1-2M03-2222 MECHANICAL EQUIPMENT DATA SHEET - 10-P-2220 Class 1 IFQ Purpose\*\* Issue Plan Revised Plan Issue Actual 20/11/2018 Transmittal no. TPSK-LSPA1-T-ME-00343 Return Date 11/02/2019 Owner Cmmt\* ME OL1-2M03-2230 MECHANICAL EQUIPMENT DATA SHEET - 10-D-2230 Class 1 Purpose\*\* IFQ IFQ Issue Plan Revised Plan 13/12/2018 28/03/2019 Issue Actual TPSK-LSPA1-T-ME-00483 Transmittal no. Return Date 22/01/2019 Owner Cmmt\* ME OL1-2M03-2231 MECHANICAL EQUIPMENT DATA SHEET - 10-E-2230 Class 1 Purpose\*\* Issue Plan Revised Plan 07/01/2019 Issue Actual 20/03/2019 Transmittal no. TPSK-LSPA1-T-ME-00588 TPSK-LSPA1-T-ME-01110 Return Date 30/01/2019 11/04/2019 Owner Cmmt\* ME OL1-2M03-2240 MECHANICAL EQUIPMENT DATA SHEET - 10-D-2240 Class 1 Purpose\*\* IFQ IFQ Issue Plan Revised Plan 13/12/2018 28/03/2019 Issue Actual Transmittal no Return Date 22/01/2019 Owner Cmmt\*

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification ME OL1-2M03-2241 MECHANICAL EQUIPMENT DATA SHEET - 10-E-2240 Class 1 Purpose\*\* IFQ IFQ В Issue Plan Revised Plan 29/03/2019 Issue Actual 10/01/2019 TPSK-LSPA1-T-ME-00617 TPSK-LSPA1-T-ME-0120 Transmittal no. Return Date Owner Cmmt\* ME OL1-2M03-2245 MECHANICAL EQUIPMENT DATA SHEET - 10-D-2245 Class 1 IFQ Purpose\*\* Issue Plan Revised Plan Issue Actual 16/01/2019 12/04/2019 Transmittal no. TPSK-LSPA1-T-ME-00657 TPSK-LSPA1-T-ME-01347 Return Date 11/02/2019 Owner Cmmt\* R2 ME OL1-2M03-2300 MECHANICAL EQUIPMENT DATA SHEET - 10-T-2300 Class 1 Purpose\*\* IFQ Issue Plan Revised Plan 31/10/2018 05/12/2018 19/02/2019 Issue Actual TPSK-LSPA1-T-ME-00246 Transmittal no Return Date 27/11/2018 27/12/2018 12/03/2019 Owner Cmmt\* R2 ME OL1-2M03-2302 MECHANICAL EQUIPMENT DATA SHEET - 10-P-2302 Class 1 IFQ Purpose\*\* Issue Plan Revised Plan Issue Actual 15/11/2018 Transmittal no TPSK-LSPA1-T-ME-00320 Return Date 10/12/2018 Owner Cmmt\* ME OL1-2M03-2304 MECHANICAL EQUIPMENT DATA SHEET - 10-P-2304 Class 1 IFQ IFQ Issue Plan Issue Actual 15/11/2018 05/12/2018 TPSK-LSPA1-T-ME-00320 TPSK-LSPA1-T-ME-00411 Return Date 10/12/2018 Owner Cmmt\* R2 ME OL1-2M03-2305 MECHANICAL EQUIPMENT DATA SHEET - 10-E-2305 Class 1 IFQ Purpose\*\* Issue Plan Revised Plan 10/01/2019 TPSK-LSPA1-T-ME-00617 Issue Actual Transmittal no Return Date 29/01/2019 Owner Cmmt\* ME OL1-2M03-2306 MECHANICAL EQUIPMENT DATA SHEET - 10-P-2306 Class 1 Purpose\*\* IFQ IFQ Issue Plan Issue Actual 15/11/2018 TPSK-LSPA1-T-ME-00320 05/12/2018 TPSK-LSPA1-T-ME-00411 Transmittal no. Return Date 10/12/2018 27/12/2018 Owner Cmmt\* ME OL1-2M03-2307 MECHANICAL EQUIPMENT DATA SHEET - 10-F-2306 Class 1 IFQ IFQ Purpose\*\* Issue Plan Revised Plan 11/01/2019 Issue Actual 25/03/2019 TPSK-LSPA1-T-ME-00639 TPSK-LSPA1-T-ME-01141 Return Date 30/01/2019 11/04/2019 Owner Cmmt ME OL1-2M03-2309 MECHANICAL EQUIPMENT DATA SHEET - 10-D-2305 Class 1 IFQ Purpose\*\* Issue Plan Revised Plan Issue Actual 13/12/2018 Transmittal no. TPSK-LSPA1-T-ME-00484 Return Date 22/01/2019 Owner Cmmt\* ME OL1-2M03-2310 MECHANICAL EQUIPMENT DATA SHEET - 10-D-2310 Class 1 Purpose\*\* IFQ Issue Plan Revised Plan 17/12/2018 Issue Actual TPSK-LSPA1-T-ME-00513 Transmittal no. Return Date 22/01/2019 Owner Cmmt\* ME OL1-2M03-2311 MECHANICAL EQUIPMENT DATA SHEET - 10-P-2310 Class 1 Purpose\*\* Issue Plan Revised Plan 15/11/2018 Issue Actual Transmittal no. TPSK-LSPA1-T-ME-00320 Return Date 10/12/2018 Owner Cmmt\* ME OL1-2M03-2314 MECHANICAL EQUIPMENT DATA SHEET - 10-F-2310 Class 1 Purpose\*\* IFQ Issue Plan Revised Plan 11/01/2019 Issue Actual Transmittal no Return Date 30/01/2019 Owner Cmmt\*

ABBREVIATION Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information DOCUMENT NO. Master Document Index (MDI)

IFR = Issue For Approval | FA = Issue For Approval | FC = Issue For Construction | FI = Issue For Information | FI = Issue For Infor \*\*Revision Purpose of Issued Document LONG SON A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification ME OL1-2M03-2316 MECHANICAL EQUIPMENT DATA SHEET - 10-D-2316 Class 1 Purpose\*\* IFQ Α Issue Plan Revised Plan 07/01/2019 Issue Actual TPSK-LSPA1-T-ME-00601 Transmittal no. Return Date Owner Cmmt\* ME OL1-2M03-2319 MECHANICAL EQUIPMENT DATA SHEET - 10-F-2320 Class 1 Purpose\*\* Issue Plan Revised Plan Issue Actual 11/01/2019 Transmittal no. TPSK-LSPA1-T-ME-00639 Return Date 30/01/2019 Owner Cmmt\* R2 ME OL1-2M03-2320 MECHANICAL EQUIPMENT DATA SHEET - 10-TK-232 Class 1 Purpose\*\* IFQ Issue Plan Revised Plan 28/01/2019 Issue Actual TPSK-LSPA1-T-ME-0074 Transmittal no Return Date 21/02/2019 Owner Cmmt\* ME OL1-2M03-2321 MECHANICAL EQUIPMENT DATA SHEET - 10-P-2320 Class 1 IFQ Purpose\*\* Issue Plan Revised Plan Issue Actual 19/11/2018 Transmittal no TPSK-LSPA1-T-ME-00335 Return Date 13/12/2018 Owner Cmmt\* ME OL1-2M03-2322 MECHANICAL EQUIPMENT DATA SHEET - 10-D-2322 IFQ Issue Plan Issue Actual 13/12/2018 TPSK-LSPA1-T-ME-00483 Return Date Owner Cmmt\* ME OL1-2M03-2324 Mechanical Equipment Data Sheet - Fresh Caustic Class Final IFQ Purpose\*\* Issue Plan Revised Plan 28/01/2019 TPSK-LSPA1-T-ME-00745 Issue Actual Transmittal no Return Date 21/02/2019 Owner Cmmt\* ME OL1-2M03-2325 Mechanical Equipment Datasheet - 10 percent Cau Class Final IFQ Issue Plan Issue Actual 03/01/2019 07/02/2019 TPSK-LSPA1-T-ME-00580 TPSK-LSPA1-T-ME-00822 Transmittal no. 24/01/2019 Return Date 21/02/2019 Owner Cmmt\* ME OL1-2M03-2326 MECHANICAL EQUIPMENT DATA SHEET - 10-E-2326 Class 1 IFQ Purpose\*\* Issue Plan Revised Plan Issue Actual 28/01/2019 TPSK-LSPA1-T-ME-00740 Return Date 28/02/2019 Owner Cmmt ME OL1-2M03-2330 MECHANICAL EQUIPMENT DATA SHEET - 10-T-2330 Class 1 IFQ Purpose\*\* Issue Plan Revised Plan Issue Actual 10/12/2018 15/02/2019 Transmittal no. TPSK-LSPA1-T-ME-00462 TPSK-LSPA1-T-ME-00857 Return Date 27/12/2018 12/03/2019 Owner Cmmt\* R2 ME OL1-2M03-2331 MECHANICAL EQUIPMENT DATA SHEET - 10-D-2330 Class 1 Purpose\*\* IFQ Issue Plan Revised Plan 11/01/2019 Issue Actual TPSK-LSPA1-T-ME-00638 Transmittal no. Return Date 31/01/2019 Owner Cmmt\* ME OL1-2M03-2350 Mechanical Equipment Datasheet for Wet Air Oxid Class Final Purpose\*\* Issue Plan Revised Plan 29/11/2018 Issue Actual Transmittal no. TPSK-LSPA1-T-ME-00390 Return Date 07/02/2019 Owner Cmmt\* ME OL1-2M03-2390 MECHANICAL EQUIPMENT DATA SHEET - 10-D-2390 Class 1 Purpose\*\* IFQ IFQ Issue Plan Revised Plan 17/12/2018 28/03/2019 Issue Actual Transmittal no Return Date 22/01/2019 Owner Cmmt\*

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification ME OL1-2M03-2391 MECHANICAL EQUIPMENT DATA SHEET - 10-P-2390 Class 1 Purpose\*\* IFQ IFQ В Issue Plan Revised Plan 07/02/2019 Issue Actual 17/12/2018 TPSK-LSPA1-T-ME-00511 TPSK-LSPA1-T-ME-00822 Transmittal no. Return Date 14/01/2019 Owner Cmmt\* R1 ME OL1-2M03-2392 MECHANICAL EQUIPMENT DATA SHEET - 10-D-2392 Class 1 IFQ Purpose\*\* Issue Plan Revised Plan Issue Actual 22/01/2019 03/04/2019 Transmittal no. TPSK-LSPA1-T-ME-00685 TPSK-LSPA1-T-ME-01244 Return Date 15/02/2019 Owner Cmmt\* R2 ME OL1-2M03-2393 MECHANICAL EQUIPMENT DATA SHEET - 10-P-2392 Class 1 Purpose\*\* IFQ Issue Plan Revised Plan 10/12/2018 Issue Actual TPSK-LSPA1-T-ME-0045 Transmittal no Return Date 27/12/2018 Owner Cmmt\* ME OL1-2M03-2405 MECHANICAL EQUIPMENT DATA SHEET - 10-D-2405 Class 1 IFQ Purpose\* Issue Plan Revised Plan Issue Actual 11/01/2019 Transmittal no TPSK-LSPA1-T-ME-00629 Return Date 31/01/2019 Owner Cmmt ME OL1-2M03-2406 MECHANICAL EQUIPMENT DATA SHEET - 10-E-2405 IFQ IFQ Issue Plan Issue Actual 07/01/2019 29/03/2019 TPSK-LSPA1-T-ME-00584 TPSK-LSPA1-T-ME-0120 Return Date 24/01/2019 Owner Cmmt\* ME OL1-2M03-2410 MECHANICAL EQUIPMENT DATA SHEET - 10-D-2410 Class 1 IFQ IFQ IFQ IFQ Purpose\*\* Issue Plan Revised Plan 22/01/2019 TPSK-LSPA1-T-ME-00700 01/03/2019 Issue Actual 11/03/2019 12/04/2019 Transmittal no PSK-LSPA1-T-ME-0097 PSK-LSPA1-T-ME-01016 TPSK-LSPA1-T-ME-01347 Return Date 01/04/2019 29/03/2019 02/04/2019 Owner Cmmt\* ME OL1-2M03-2411 MECHANICAL EQUIPMENT DATA SHEET - 10-D-2411 Class 1 Purpose\*\* IFQ IFQ Issue Plan Issue Actual 11/01/2019 28/02/2019 TPSK-LSPA1-T-ME-00631 TPSK-LSPA1-T-ME-00954 Transmittal no. Return Date 21/02/2019 25/03/2019 Owner Cmmt\* ME OL1-2M03-2412 MECHANICAL EQUIPMENT DATA SHEET - 10-E-2412 Class 1 IFQ IFQ Purpose\*\* Issue Plan Revised Plan 10/01/2019 27/03/2019 Issue Actual TPSK-LSPA1-T-ME-00617 TPSK-LSPA1-T-ME-01179 Return Date 29/01/2019 Owner Cmmt ME OL1-2M03-2413 MECHANICAL EQUIPMENT DATA SHEET - 10-E-2413 Class 1 IFQ IFR Purpose\*\* 15/04/2019 Issue Plan Revised Plan 27/03/2019 TPSK-LSPA1-T-ME-01179 10/01/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-ME-0061 Return Date 11/02/2019 Owner Cmmt\* ME OL1-2M03-2416 MECHANICAL EQUIPMENT DATA SHEET - 10-P-2415 Class 1 Purpose\*\* IFQ IFQ Issue Plan Revised Plan 05/12/2018 30/01/2019 Issue Actual TPSK-LSPA1-T-ME-00413 TPSK-LSPA1-T-ME-007 Transmittal no Return Date 27/12/2018 21/02/2019 Owner Cmmt R1 ME OL1-2M03-2420 MECHANICAL EQUIPMENT DATA SHEET - 10-D-2420 Class 1 Purpose\*\* Issue Plan Revised Plan Issue Actual 22/01/2019 28/02/2019 Transmittal no. TPSK-LSPA1-T-ME-00702 TPSK-LSPA1-T-ME-00950 Return Date 21/02/2019 02/04/2019 Owner Cmmt\* ME OL1-2M03-2430 MECHANICAL EQUIPMENT DATA SHEET - 10-E-2430 Class 1 Purpose\*\* IFQ IFQ Issue Plan Revised Plan 28/01/2019 10/04/2019 Issue Actual Transmittal no Return Date 21/02/2019 Owner Cmmt\*

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification ME OL1-2M03-2432 MECHANICAL EQUIPMENT DATA SHEET - 10-E-2432 Class 1 Purpose\*\* IFQ Α Issue Plan Revised Plan Issue Actual 29/01/2019 TPSK-LSPA1-T-ME-00751 Transmittal no. Return Date Owner Cmmt\* ME OL1-2M03-2434 MECHANICAL EQUIPMENT DATA SHEET - 10-E-2435 Class 1 IFQ Purpose\*\* Issue Plan Revised Plan Issue Actual 25/01/2019 01/04/2019 Transmittal no. TPSK-LSPA1-T-ME-00723 TPSK-LSPA1-T-ME-01218 Return Date 21/02/2019 Owner Cmmt\* ME OL1-2M03-2435 MECHANICAL EQUIPMENT DATA SHEET - 10-D-2435 Class 1 Purpose\*\* IFQ Issue Plan Revised Plan 22/01/2019 Issue Actual TPSK-LSPA1-T-ME-0068 Transmittal no Return Date 21/02/2019 Owner Cmmt\* ME OL1-2M03-2438 MECHANICAL EQUIPMENT DATA SHEET - 10-D-2440 Class 1 IFQ Purpose\*\* Issue Plan Revised Plan Issue Actual 13/12/2018 Transmittal no TPSK-LSPA1-T-ME-00484 Return Date 22/01/2019 Owner Cmmt ME OL1-2M03-2439 MECHANICAL EQUIPMENT DATA SHEET - 10-E-2440 Class 1 IFQ IFQ Issue Plan Issue Actual 22/01/2019 29/03/2019 TPSK-LSPA1-T-ME-00683 TPSK-LSPA1-T-ME-0120 Return Date Owner Cmmt\* ME OL1-2M03-2440 MECHANICAL EQUIPMENT DATA SHEET - 10-T-2440 Class 1 IFQ IFQ IFQ Purpose\*\* Issue Plan Revised Plan 23/10/2018 TPSK-LSPA1-T-ME-00215 Issue Actual 05/12/2018 Transmittal no TPSK-LSPA1-T-ME-00416 TPSK-LSPA1-T-ME-0088 17/12/2018 R2 27/12/2018 R2 12/03/2019 R2 Return Date Owner Cmmt\* ME OL1-2M03-2441 MECHANICAL EQUIPMENT DATA SHEET - 10-E-2441 Class 1 Purpose\*\* IFQ IFQ Issue Plan Issue Actual 16/01/2019 01/04/2019 TPSK-LSPA1-T-ME-00663 TPSK-LSPA1-T-ME-01210 Transmittal no. Return Date 11/02/2019 Owner Cmmt\* ME OL1-2M03-2442 MECHANICAL EQUIPMENT DATA SHEET - 10-E-2442 Class 1 IFQ IFQ Purpose\*\* Issue Plan Revised Plan 16/01/2019 02/04/2019 Issue Actual TPSK-LSPA1-T-ME-00662 TPSK-LSPA1-T-ME-0123: Return Date 11/02/2019 Owner Cmmt ME OL1-2M03-2443 MECHANICAL EQUIPMENT DATA SHEET - 10-P-2445 Class 1 IFQ Purpose\*\* Issue Plan Revised Plan 30/01/2019 Issue Actual 13/12/2018 Transmittal no. TPSK-LSPA1-T-ME-00494 TPSK-LSPA1-T-ME-0077 Return Date 14/01/2019 21/02/2019 Owner Cmmt\* ME OL1-2M03-2444 MECHANICAL EQUIPMENT DATA SHEET - 10-D-2445 Class 1 Purpose\*\* IFQ IFQ Issue Plan Revised Plan 11/01/2019 10/04/2019 Issue Actual TPSK-LSPA1-T-ME-00629 TPSK-LSPA1-T-ME-01314 Transmittal no Return Date 31/01/2019 Owner Cmmt ME OL1-2M03-2445 MECHANICAL EQUIPMENT DATA SHEET - 10-E-2445 Class 1 Purpose\*\* Issue Plan Revised Plan 17/01/2019 Issue Actual 02/04/2019 Transmittal no. TPSK-LSPA1-T-ME-00671 TPSK-LSPA1-T-ME-01231 Return Date 11/02/2019 Owner Cmmt\* ME OL1-2M03-2446 MECHANICAL EQUIPMENT DATA SHEET - 10-E-2446 Class 1 Purpose\*\* IFQ IFQ Issue Plan Revised Plan 27/12/2018 01/04/2019 Issue Actual Transmittal no Return Date 22/01/2019 Owner Cmmt\*

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification ME OL1-2M03-2450 MECHANICAL EQUIPMENT DATA SHEET - 10-T-2450 Class 1 Purpose\*\* IFQ IFQ IFQ IFQ Α В Issue Plan Revised Plan 06/11/2018 05/12/2018 Issue Actual 16/10/2018 19/02/2019 TPSK-LSPA1-T-ME-00183 TPSK-LSPA1-T-ME-00283 TPSK-LSPA1-T-ME-00412 TPSK-LSPA1-T-ME-00884 Transmittal no. Return Date 05/11/2018 30/11/2018 27/12/2018 Owner Cmmt\* A3 R1 R2 R2 ME OL1-2M03-2451 MECHANICAL EQUIPMENT DATA SHEET - 10-E-2450 Class 1 Purpose\*\* Issue Plan Revised Plan Issue Actual 07/01/2019 29/03/2019 Transmittal no. TPSK-LSPA1-T-ME-00588 TPSK-LSPA1-T-ME-01205 Return Date 30/01/2019 Owner Cmmt\* R2 ME OL1-2M03-2452 MECHANICAL EQUIPMENT DATA SHEET - 10-D-2450 Class 1 Purpose\*\* IFQ Issue Plan Revised Plan 17/12/2018 Issue Actual TPSK-LSPA1-T-ME-0051 Transmittal no Return Date 22/01/2019 Owner Cmmt\* ME OL1-2M03-2453 MECHANICAL EQUIPMENT DATA SHEET - 10-P-2450 Class 1 IFQ IFQ Purpose\* Issue Plan Revised Plan Issue Actual 08/11/2018 27/02/2019 Transmittal no TPSK-LSPA1-T-ME-00294 TPSK-LSPA1-T-ME-00944 12/03/2019 Return Date 21/02/2019 Owner Cmmt\* ME OL1-2M03-2455 MECHANICAL EQUIPMENT DATA SHEET - 10-E-2455 IFQ IFQ Issue Plan Issue Actual 07/01/2019 27/03/2019 TPSK-LSPA1-T-ME-00584 TPSK-LSPA1-T-ME-01179 Return Date 24/01/2019 Owner Cmmt\* ME OL1-2M03-2456 MECHANICAL EQUIPMENT DATA SHEET - 10-D-2455 Class 1 IFQ Purpose\*\* Issue Plan Revised Plan 22/01/2019 TPSK-LSPA1-T-ME-00685 Issue Actual Transmittal no Return Date 21/02/2019 Owner Cmmt\* ME OL1-2M03-2457 MECHANICAL EQUIPMENT DATA SHEET - 10-P-2455 Class 1 Purpose\*\* IFQ Issue Plan Issue Actual 13/12/2018 TPSK-LSPA1-T-ME-00494 30/01/2019 TPSK-LSPA1-T-ME-00770 Transmittal no. Return Date 14/01/2019 21/02/2019 Owner Cmmt\* ME OL1-2M03-2460 MECHANICAL EQUIPMENT DATA SHEET - 10-D-2460 Class 1 IFQ IFQ Purpose\*\* Issue Plan Revised Plan 16/01/2019 Issue Actual 15/02/2019 TPSK-LSPA1-T-ME-00657 TPSK-LSPA1-T-ME-00858 Return Date 11/02/2019 12/03/2019 Owner Cmmt ME OL1-2M03-2461 MECHANICAL EQUIPMENT DATA SHEET - 10-E-2460 Class 1 IFQ IFQ Purpose\*\* Issue Plan Revised Plan 03/01/2019 27/03/2019 Issue Actual TPSK-LSPA1-T-ME-01179 Transmittal no. TPSK-LSPA1-T-ME-00573 Return Date 24/01/2019 Owner Cmmt\* ME OL1-2M03-2465 MECHANICAL EQUIPMENT DATA SHEET - 10-E-2465 Class 1 Purpose\*\* IFQ IFQ Issue Plan Revised Plan 11/01/2019 02/04/2019 Issue Actual TPSK-LSPA1-T-ME-00641 Transmittal no Return Date 04/02/2019 Owner Cmmt ME OL1-2M03-2470 MECHANICAL EQUIPMENT DATA SHEET - 10-R-2470 Class 1 Purpose\*\* Issue Plan Revised Plan Issue Actual 11/01/2019 28/02/2019 Transmittal no. TPSK-LSPA1-T-ME-00630 | TPSK-LSPA1-T-ME-00953 Return Date 21/02/2019 25/03/2019 Owner Cmmt\* ME OL1-2M03-2471 MECHANICAL EQUIPMENT DATA SHEET - 10-E-2470 Class 1 Purpose\*\* IFQ IFQ Issue Plan Revised Plan 11/01/2019 02/04/2019 Issue Actual Transmittal no Return Date 11/02/2019 Owner Cmmt\*

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification ME OL1-2M03-2472 MECHANICAL EQUIPMENT DATA SHEET - 10-E-2472 Purpose\*\* IFQ IFQ В Issue Plan Revised Plan 29/03/2019 Issue Actual 11/01/2019 TPSK-LSPA1-T-ME-00641 TPSK-LSPA1-T-ME-0120 Transmittal no. Return Date 04/02/2019 Owner Cmmt\* ME OL1-2M03-2474 MECHANICAL EQUIPMENT DATA SHEET - 10-E-2474 Class 1 IFQ Purpose\*\* Issue Plan Revised Plan Issue Actual 11/01/2019 29/03/2019 Transmittal no. TPSK-LSPA1-T-ME-00641 TPSK-LSPA1-T-ME-01205 Return Date 04/02/2019 Owner Cmmt\* R2 ME OL1-2M03-2480 MECHANICAL EQUIPMENT DATA SHEET - 10-D-2480 Class 1 Purpose\*\* IFQ Issue Plan Revised Plan 22/01/2019 28/02/2019 Issue Actual TPSK-LSPA1-T-ME-00702 Transmittal no Return Date 21/02/2019 25/03/2019 Owner Cmmt\* ME OL1-2M03-2502 MECHANICAL EQUIPMENT DATA SHEET - 10-E-2502 Class 1 IFQ IFQ Purpose\*\* Issue Plan Revised Plan Issue Actual 10/12/2018 29/03/2019 Transmittal no TPSK-LSPA1-T-ME-00461 TPSK-LSPA1-T-ME-0120 Return Date 27/12/2018 Owner Cmmt\* ME OL1-2M03-2503 MECHANICAL EQUIPMENT DATA SHEET - 10-E-2504 IFQ IFQ Α Issue Plan Issue Actual 28/11/2018 29/03/2019 TPSK-LSPA1-T-ME-00389 TPSK-LSPA1-T-ME-0120 Return Date 13/12/2018 Owner Cmmt\* ME OL1-2M03-2504 MECHANICAL EQUIPMENT DATA SHEET - 10-D-2504 Class 1 IFQ Purpose\*\* Issue Plan Revised Plan 13/12/2018 TPSK-LSPA1-T-ME-00483 Issue Actual Transmittal no Return Date 22/01/2019 Owner Cmmt\* ME OL1-2M03-2506 MECHANICAL EQUIPMENT DATA SHEET - 10-D-2506 Class 1 Purpose\*\* IFQ Issue Plan Issue Actual 20/12/2018 TPSK-LSPA1-T-ME-00551 Transmittal no. Return Date 24/01/2019 Owner Cmmt\* ME OL1-2M03-2508 MECHANICAL EQUIPMENT DATA SHEET - 10-D-2508 Class 1 IFQ Purpose\*\* Issue Plan Revised Plan 20/12/2018 Issue Actual TPSK-LSPA1-T-ME-00551 Return Date 24/01/2019 Owner Cmmt ME OL1-2M03-2510 MECHANICAL EQUIPMENT DATA SHEET - 10-T-2510 Class 1 IFQ Purpose\*\* Issue Plan Revised Plan 01/03/2019 Issue Actual 31/10/2018 05/12/2018 Transmittal no. TPSK-LSPA1-T-ME-00260 TPSK-LSPA1-T-ME-00414 TPSK-LSPA1-T-ME-0097 Return Date 29/11/2018 27/12/2018 29/03/2019 Owner Cmmt\* R2 ME OL1-2M03-2515 MECHANICAL EQUIPMENT DATA SHEET - 10-E-2515 Class 1 Purpose\*\* IFQ IFQ Issue Plan Revised Plan 03/01/2019 01/03/2019 Issue Actual TPSK-LSPA1-T-ME-00573 TPSK-LSPA1-T-ME-0097 Transmittal no. Return Date 24/01/2019 29/03/2019 Owner Cmmt\* R1 ME OL1-2M03-2520 MECHANICAL EQUIPMENT DATA SHEET - 10-T-2520 Class 1 Purpose\*\* Issue Plan Revised Plan 20/12/2018 Issue Actual 01/02/2019 Transmittal no. TPSK-LSPA1-T-ME-00534 TPSK-LSPA1-T-ME-00792 Return Date 22/01/2019 21/02/2019 Owner Cmmt\* ME OL1-2M03-2525 MECHANICAL EQUIPMENT DATA SHEET - 10-D-2525 Class 1 Purpose\*\* IFQ Issue Plan Revised Plan 16/01/2019 Issue Actual Transmittal no Return Date 11/02/2019 Owner Cmmt\*

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification ME OL1-2M03-2540 MECHANICAL EQUIPMENT DATA SHEET - 10-T-2540 Class 1 Purpose\*\* IFQ IFQ IFQ Α В Issue Plan Revised Plan 05/12/2018 27/02/2019 Issue Actual 09/11/2018 TPSK-LSPA1-T-ME-00304 TPSK-LSPA1-T-ME-00415 TPSK-LSPA1-T-ME-0094 Transmittal no. Return Date 27/12/2018 25/03/2019 Owner Cmmt\* R2 R1 ME OL1-2M03-2545 MECHANICAL EQUIPMENT DATA SHEET - 10-E-2545 Class 1 Purpose\*\* Issue Plan Revised Plan Issue Actual 14/01/2019 21/03/2019 Transmittal no. TPSK-LSPA1-T-ME-00651 TPSK-LSPA1-T-ME-01123 Return Date 31/01/2019 11/04/2019 Owner Cmmt\* R2 R1 ME OL1-2M03-2546 MECHANICAL EQUIPMENT DATA SHEET - 10-E-2546 Class 1 Purpose\*\* IFQ IFQ Issue Plan Revised Plan 16/01/2019 29/03/2019 Issue Actual TPSK-LSPA1-T-ME-00654 TPSK-LSPA1-T-ME-012 Transmittal no Return Date 31/01/2019 Owner Cmmt\* ME OL1-2M03-2548 MECHANICAL EQUIPMENT DATA SHEET - 10-E-2548 Class 1 IFQ IFQ Purpose\* Issue Plan Revised Plan Issue Actual 10/01/2019 01/03/2019 Transmittal no TPSK-LSPA1-T-ME-00617 TPSK-LSPA1-T-ME-0096: Return Date 29/01/2019 29/03/2019 Owner Cmmt\* ME OL1-2M03-2550 MECHANICAL EQUIPMENT DATA SHEET - 10-C-2550 IFQ IFP IFA Issue Plan Revised Plan Issue Actual 05/10/2018 20/03/2019 13/09/2018 TPSK-LSPA1-T-ME-00130 TPSK-LSPA1-T-ME-01101 TPSK-LSPA1-T-ME-0005 Return Date 26/10/2018 Owner Cmmt\* A3 ME OL1-2M03-2551 MECHANICAL EQUIPMENT DATA SHEET - 10-D-2550 Class 1 IFQ Purpose\*\* Issue Plan Revised Plan 20/12/2018 TPSK-LSPA1-T-ME-00552 Issue Actual Transmittal no Return Date 24/01/2019 Owner Cmmt\* ME OL1-2M03-2555 MECHANICAL EQUIPMENT DATA SHEET - 10-D-2555 Class 1 Purpose\*\* IFQ Issue Plan Issue Actual 08/01/2019 TPSK-LSPA1-T-ME-00607 Transmittal no. Return Date 28/01/2019 Owner Cmmt\* ME OL1-2M03-2570 MECHANICAL EQUIPMENT DATA SHEET - 10-T-2570 Class 1 IFQ IFQ Purpose\*\* IFQ Issue Plan Revised Plan 29/11/2018 26/02/2019 Issue Actual 20/12/2018 TPSK-LSPA1-T-ME-00394 TPSK-LSPA1-T-ME-0054 TPSK-LSPA1-T-ME-00931 Return Date 27/12/2018 22/01/2019 15/03/2019 Owner Cmmt ME OL1-2M03-2571 MECHANICAL EQUIPMENT DATA SHEET - 10-E-2570 Class 1 IFQ IFQ IFQ Purpose\*\* Issue Plan Revised Plan 30/01/2019 03/04/2019 Issue Actual 13/11/2018 Transmittal no. TPSK-LSPA1-T-ME-00310 TPSK-LSPA1-T-ME-00773 TPSK-LSPA1-T-ME-0124 Return Date 11/02/2019 26/02/2019 Owner Cmmt\* ME OL1-2M03-2572 MECHANICAL EQUIPMENT DATA SHEET - 10-D-2570 Class 1 Purpose\*\* IFQ Issue Plan Revised Plan 13/12/2018 Issue Actual TPSK-LSPA1-T-ME-00484 Transmittal no Return Date 22/01/2019 Owner Cmmt ME OL1-2M03-2573 MECHANICAL EQUIPMENT DATA SHEET - 10-P-2570 Class 1 Purpose\*\* Issue Plan Revised Plan Issue Actual 20/12/2018 Transmittal no. TPSK-LSPA1-T-ME-00552 Return Date 16/01/2019 Owner Cmmt\* ME OL1-2M03-2574 MECHANICAL EQUIPMENT DATA SHEET - 10-D-2575 Class 1 Purpose\*\* IFQ Issue Plan Revised Plan 22/01/2019 Issue Actual Transmittal no Return Date 21/02/2019 Owner Cmmt\*

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification ME OL1-2M03-2575 MECHANICAL EQUIPMENT DATA SHEET - 10-E-2575 Purpose\*\* IFQ IFQ В Issue Plan Revised Plan 01/03/2019 Issue Actual 22/01/2019 TPSK-LSPA1-T-ME-00684 TPSK-LSPA1-T-ME-00961 Transmittal no. Return Date 29/03/2019 Owner Cmmt\* R1 R1 ME OL1-2M03-2576 MECHANICAL EQUIPMENT DATA SHEET - 10-E-2576 Class 1 IFQ Purpose\*\* Issue Plan Revised Plan Issue Actual 03/01/2019 21/03/2019 Transmittal no. TPSK-LSPA1-T-ME-00582 TPSK-LSPA1-T-ME-01123 Return Date 24/01/2019 11/04/2019 Owner Cmmt\* R2 ME OL1-2M03-2577 MECHANICAL EQUIPMENT DATA SHEET - 10-P-2575 Class 1 Purpose\*\* IFQ Issue Plan Revised Plan 13/12/2018 Issue Actual TPSK-LSPA1-T-ME-00494 Transmittal no Return Date 14/01/2019 Owner Cmmt\* ME OL1-2M03-2580 MECHANICAL EQUIPMENT DATA SHEET - 10-T-2580 Class 1 IFQ IFQ Purpose\* Issue Plan Revised Plan Issue Actual 20/12/2018 04/03/2019 Transmittal no TPSK-LSPA1-T-ME-00531 TPSK-LSPA1-T-ME-0098 29/03/2019 Return Date 22/01/2019 Owner Cmmt\* ME OL1-2M03-2582 MECHANICAL EQUIPMENT DATA SHEET - 10-E-2582 IFQ IFQ Issue Plan Issue Actual 16/01/2019 15/02/2019 TPSK-LSPA1-T-ME-00661 TPSK-LSPA1-T-ME-00859 Return Date 11/02/2019 Owner Cmmt\* R2 ME OL1-2M03-2586 MECHANICAL EQUIPMENT DATA SHEET - 10-P-2586 Class 1 IFQ Purpose\*\* Issue Plan Revised Plan 05/12/2018 TPSK-LSPA1-T-ME-00413 Issue Actual Transmittal no 27/12/2018 R2 Return Date Owner Cmmt\* ME OL1-2M03-2600 MECHANICAL EQUIPMENT DATA SHEET - 10-D-2600 Class 1 Purpose\*\* IFQ IFQ IFQ Issue Plan Issue Actual 17/01/2019 TPSK-LSPA1-T-ME-00672 22/01/2019 TPSK-LSPA1-T-ME -00701 TPSK-LSPA1-T-ME-0095 Transmittal no. Return Date 11/02/2019 21/02/2019 25/03/2019 Owner Cmmt\* ME OL1-2M03-2610 MECHANICAL EQUIPMENT DATA SHEET - 10-D-2610 Class 1 IFQ IFQ IFQ Purpose\*\* Issue Plan Revised Plan 27/12/2018 16/01/2019 28/02/2019 Issue Actual TPSK-LSPA1-T-ME-00570 PSK-LSPA1-T-ME-00658 TPSK-LSPA1-T-ME-0095 Return Date 24/01/2019 11/02/2019 01/04/2019 Owner Cmmt ME OL1-2M03-2620 MECHANICAL EQUIPMENT DATA SHEET - 10-R-2620 Class 1 IFQ IFQ IFQ Purpose\*\* Issue Plan Revised Plan 06/02/2019 05/03/2019 12/04/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-ME-00802 TPSK-LSPA1-T-ME-00990 TPSK-LSPA1-T-ME-0134 Return Date 26/02/2019 29/03/2019 Owner Cmmt\* R2 ME OL1-2M03-2621 MECHANICAL EQUIPMENT DATA SHEET - 10-E-2620 Class 1 Purpose\*\* IFQ IFQ Issue Plan Revised Plan 25/02/2019 02/04/2019 Issue Actual TPSK-LSPA1-T-ME-00929 Transmittal no Return Date 15/03/2019 Owner Cmmt ME OL1-2M03-2622 MECHANICAL EQUIPMENT DATA SHEET - 10-D-2620 Class 1 Purpose\*\* Issue Plan Revised Plan Issue Actual 22/01/2019 Transmittal no. TPSK-LSPA1-T-ME-00685 Return Date 21/02/2019 Owner Cmmt\* ME OL1-2M03-2623 MECHANICAL EQUIPMENT DATA SHEET - 10-P-2620 Class 1 Purpose\*\* IFQ IFQ Issue Plan Revised Plan 24/01/2019 26/03/2019 Issue Actual Transmittal no Return Date 21/02/2019 10/04/2019 Owner Cmmt\*

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification ME OL1-2M03-2630 MECHANICAL EQUIPMENT DATA SHEET - 10-T-2630 Class 1 Purpose\*\* IFQ IFQ В Issue Plan Revised Plan 01/03/2019 Issue Actual 10/12/2018 TPSK-LSPA1-T-ME-00458 TPSK-LSPA1-T-ME-00974 Transmittal no. Return Date 29/03/2019 Owner Cmmt\* R1 ME OL1-2M03-2631 MECHANICAL EQUIPMENT DATA SHEET - 10-E-2630 Class 1 Purpose\*\* Issue Plan Revised Plan Issue Actual 10/12/2018 03/04/2019 Transmittal no. TPSK-LSPA1-T-ME-00455 TPSK-LSPA1-T-ME-01243 Return Date 27/12/2018 Owner Cmmt\* R2 ME OL1-2M03-2632 MECHANICAL EQUIPMENT DATA SHEET - 10-D-2630 Class 1 Purpose\*\* IFQ Issue Plan Revised Plan 11/01/2019 10/04/2019 Issue Actual TPSK-LSPA1-T-ME-00629 TPSK-LSPA1-T-ME-01314 Transmittal no Return Date 31/01/2019 Owner Cmmt\* ME OL1-2M03-2633 MECHANICAL EQUIPMENT DATA SHEET - 10-P-2630 Class 1 IFQ IFQ Purpose\*\* Issue Plan Revised Plan Issue Actual 13/12/2018 20/12/2018 Transmittal no TPSK-LSPA1-T-ME-00487 TPSK-LSPA1-T-ME-00554 Return Date 16/01/2019 16/01/2019 Owner Cmmt\* ME OL1-2M03-2635 MECHANICAL EQUIPMENT DATA SHEET - 10-E-2635 IFQ Issue Plan Issue Actual 03/01/2019 TPSK-LSPA1-T-ME-00582 Return Date 24/01/2019 Owner Cmmt\* ME OL1-2M03-2636 MECHANICAL EQUIPMENT DATA SHEET - 10-E-2636 Class 1 IFQ IFQ Purpose\*\* Issue Plan Revised Plan 10/12/2018 TPSK-LSPA1-T-ME-00465 10/04/2019 TPSK-LSPA1-T-ME -01313 Issue Actual Transmittal no 27/12/2018 R2 Return Date Owner Cmmt\* ME OL1-2M03-2640 MECHANICAL EQUIPMENT DATA SHEET - 10-T-2640 Class 1 Purpose\*\* IFQ IFQ Issue Plan Issue Actual 05/12/2018 TPSK-LSPA1-T-ME-00415 04/03/2019 TPSK-LSPA1-T-ME-00885 TPSK-LSPA1-T-ME-0098 Transmittal no. Return Date 21/02/2019 12/03/2019 29/03/2019 Owner Cmmt\* ME OL1-2M03-2644 MECHANICAL EQUIPMENT DATA SHEET - 10-D-2645 Class 1 IFQ Purpose\*\* Issue Plan Revised Plan 29/01/2019 Issue Actual TPSK-LSPA1-T-ME-00753 Return Date 21/02/2019 Owner Cmmt ME OL1-2M03-2645 MECHANICAL EQUIPMENT DATA SHEET - 10-E-2645 Class 1 IFQ Purpose\*\* Issue Plan Revised Plan 30/01/2019 09/04/2019 Issue Actual 26/11/2018 Transmittal no. TPSK-LSPA1-T-ME-00361 TPSK-LSPA1-T-ME-00773 TPSK-LSPA1-T-ME-0128 Return Date 11/02/2019 26/02/2019 Owner Cmmt\* ME OL1-2M03-2646 MECHANICAL EQUIPMENT DATA SHEET - 10-P-2646 Class 1 Purpose\*\* IFQ Issue Plan Revised Plan 20/12/2018 Issue Actual TPSK-LSPA1-T-ME-00543 Transmittal no Return Date 16/01/2019 Owner Cmmt ME OL1-2M03-2647 MECHANICAL EQUIPMENT DATA SHEET - 10-P-2647 Class 1 Purpose\*\* Issue Plan Revised Plan 13/12/2018 Issue Actual 30/01/2019 Transmittal no. TPSK-LSPA1-T-ME-00494 TPSK-LSPA1-T-ME-00770 Return Date 14/01/2019 21/02/2019 Owner Cmmt\* ME OL1-2M03-2660 MECHANICAL EQUIPMENT DATA SHEET - 10-T-2660 Class 1 Purpose\*\* IFQ IFQ IFQ IFQ Issue Plan Revised Plan 23/10/2018 08/11/2018 05/12/2018 15/02/2019 Issue Actual Transmittal no Return Date 17/11/2018 27/12/2018 12/03/2019 Owner Cmmt\*

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification ME OL1-2M03-2661 MECHANICAL EQUIPMENT DATA SHEET - 10-E-2660 Class 1 Purpose\*\* IFQ IFQ В Issue Plan Revised Plan 29/03/2019 Issue Actual 10/12/2018 TPSK-LSPA1-T-ME-00465 TPSK-LSPA1-T-ME-0120 Transmittal no. Return Date Owner Cmmt\* ME OL1-2M03-2662 MECHANICAL EQUIPMENT DATA SHEET - 10-D-2660 Class 1 Purpose\*\* Issue Plan Revised Plan Issue Actual 17/12/2018 Transmittal no. TPSK-LSPA1-T-ME-00516 Return Date 22/01/2019 Owner Cmmt\* ME OL1-2M03-2663 MECHANICAL EQUIPMENT DATA SHEET - 10-P-2660 Class 1 Purpose\*\* IFQ IFQ Issue Plan Revised Plan 17/12/2018 07/02/2019 Issue Actual TPSK-LSPA1-T-ME-00511 TPSK-LSPA1-T-ME-00822 Transmittal no Return Date 14/01/2019 21/02/2019 Owner Cmmt\* R1 ME OL1-2M03-2664 Mechanical Equipment Datasheet - C5 - Pygas Feed Class Final IFQ Purpose\*\* Issue Plan Revised Plan Issue Actual 25/03/2019 Transmittal no TPSK-LSPA1-T-ME-01141 Return Date 11/04/2019 Owner Cmmt\* ME OL1-2M03-2665 MECHANICAL EQUIPMENT DATA SHEET - 10-E-2665 IFQ IFQ Α Issue Plan Revised Plan Issue Actual 10/12/2018 10/04/2019 TPSK-LSPA1-T-ME-00468 TPSK-LSPA1-T-ME-01313 Return Date 27/12/2018 Owner Cmmt\* ME OL1-2M03-2666 MECHANICAL EQUIPMENT DATA SHEET - 10-E-2666 Class 1 IFQ IFQ Purpose\*\* Issue Plan Revised Plan 10/12/2018 12/04/2019 TPSK-LSPA1-T-ME-00468 TPSK-LSPA1-T-ME-01344 Issue Actual Transmittal no 27/12/2018 R1 Return Date Owner Cmmt\* ME OL1-2M03-2667 MECHANICAL EQUIPMENT DATA SHEET - 10-D-2666 Class 1 Purpose\*\* IFQ Issue Plan Issue Actual TPSK-LSPA1-T-ME-00869 Transmittal no. Return Date 12/03/2019 Owner Cmmt\* ME OL1-2M03-2668 MECHANICAL EQUIPMENT DATA SHEET - 10-P-2666 Class 1 IFQ IFQ Purpose\*\* Issue Plan Revised Plan 20/02/2019 Issue Actual 20/03/2019 TPSK-LSPA1-T-ME-00898 TPSK-LSPA1-T-ME-01102 Return Date 12/03/2019 10/04/2019 Owner Cmmt ME OL1-2M03-2669 Mechanical Equipment Datasheet - Debutanizer Bd Class Final IFQ IFQ Purpose\*\* Issue Plan Revised Plan 04/12/2018 07/02/2019 20/03/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-ME-00421 TPSK-LSPA1-T-ME-00823 TPSK-LSPA1-T-ME-0111 Return Date 15/03/2019 Owner Cmmt\* ME OL1-2M03-2700 MECHANICAL EQUIPMENT DATA SHEET - 10-R-2700 Class 1 Purpose\*\* IFQ IFQ Issue Plan Revised Plan 01/02/2019 12/04/2019 Issue Actual TPSK-LSPA1-T-ME-00795 Transmittal no Return Date 21/02/2019 Owner Cmmt ME OL1-2M03-2701 MECHANICAL EQUIPMENT DATA SHEET - 10-E-2701 Class 1 Purpose\*\* Issue Plan Revised Plan Issue Actual 20/03/2019 02/04/2019 TPSK-LSPA1-T-ME-01100 TPSK-LSPA1-T-ME-01230 Transmittal no. Return Date Owner Cmmt\* ME OL1-2M03-2702 MECHANICAL EQUIPMENT DATA SHEET - 10-E-2702 Class 1 Purpose\*\* IFQ Issue Plan Revised Plan 19/03/2019 Issue Actual Transmittal no Return Date 11/04/2019 Owner Cmmt\*

ABBREVIATION Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information DOCUMENT NO. \*\*Revision Purpose of Issued Document LONG SON Master Document Index (MDI) IFR = Issue For Review A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification ME OL1-2M03-2703 MECHANICAL EQUIPMENT DATA SHEET - 10-E-2705 Purpose\*\* IFQ Α Issue Plan Revised Plan Issue Actual 19/02/2019 TPSK-LSPA1-T-ME-00895 Transmittal no. Return Date Owner Cmmt\* ME OL1-2M03-2704 MECHANICAL EQUIPMENT DATA SHEET - 10-P-2705 Class 1 IFQ Purpose\*\* Issue Plan Revised Plan Issue Actual 19/02/2019 20/03/2019 Transmittal no. TPSK-LSPA1-T-ME-00891 TPSK-LSPA1-T-ME-01102 Return Date 12/03/2019 10/04/2019 Owner Cmmt\* R1 ME OL1-2M03-2705 MECHANICAL EQUIPMENT DATA SHEET - 10-D-2705 Class 1 Purpose\*\* IFQ Issue Plan Revised Plan 19/02/2019 Issue Actual TPSK-LSPA1-T-ME-0089 Transmittal no Return Date 12/03/2019 Owner Cmmt\* ME OL1-2M03-2706 MECHANICAL EQUIPMENT DATA SHEET - 10-D-2706 Class 1 IFQ Purpose\*\* Issue Plan Revised Plan Issue Actual 25/02/2019 Transmittal no TPSK-LSPA1-T-ME-00928 Return Date 15/03/2019 Owner Cmmt\* ME OL1-2M03-2707 MECHANICAL EQUIPMENT DATA SHEET - 10-E-2706 IFQ Α Issue Plan Issue Actual 25/02/2019 TPSK-LSPA1-T-ME-00927 Return Date 15/03/2019 Owner Cmmt\* ME OL1-2M03-2710 MECHANICAL EQUIPMENT DATA SHEET - 10-T-2710 Class 1 IFQ Purpose\*\* Issue Plan Revised Plan 06/02/2019 TPSK-LSPA1-T-ME-00805 Issue Actual Transmittal no Return Date 21/02/2019 Owner Cmmt\* ME OL1-2M03-2711 MECHANICAL EQUIPMENT DATA SHEET - 10-E-2710 Class 1 Purpose\*\* IFQ Issue Plan Issue Actual 21/02/2019 TPSK-LSPA1-T-ME-00908 Transmittal no. Return Date 12/03/2019 Owner Cmmt\* ME OL1-2M03-2712 MECHANICAL EQUIPMENT DATA SHEET - 10-D-2710 Class 1 IFQ Purpose\*\* Issue Plan Revised Plan Issue Actual 15/02/2019 TPSK-LSPA1-T-ME-00874 Return Date 12/03/2019 Owner Cmmt ME OL1-2M03-2713 MECHANICAL EQUIPMENT DATA SHEET - 10-P-2710 Class 1 IFQ Purpose\*\* Issue Plan Revised Plan 20/03/2019 Issue Actual 19/02/2019 Transmittal no. TPSK-LSPA1-T-ME-00891 TPSK-LSPA1-T-ME-01102 Return Date 12/03/2019 10/04/2019 Owner Cmmt\* ME OL1-2M03-2714 MECHANICAL EQUIPMENT DATA SHEET - 10-P-2714 Class 1 Purpose\*\* IFQ IFQ Issue Plan Revised Plan 19/02/2019 08/04/2019 Issue Actual TPSK-LSPA1-T-ME-00891 Transmittal no. Return Date 12/03/2019 Owner Cmmt\* ME OL1-2M03-2715 MECHANICAL EQUIPMENT DATA SHEET - 10-E-2715 Class 1 Purpose\*\* Issue Plan Revised Plan Issue Actual 21/02/2019 Transmittal no. TPSK-LSPA1-T-ME-00908 Return Date 12/03/2019 Owner Cmmt\* ME OL1-2M03-2716 MECHANICAL EQUIPMENT DATA SHEET - 10-E-2714 Class 1 Purpose\*\* IFQ Issue Plan Revised Plan 15/02/2019 Issue Actual Transmittal no Return Date 12/03/2019 Owner Cmmt\*

ABBREVIATION Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information DOCUMENT NO. Master Document Index (MDI)

| IFR = Issue For Review | IFA = Issue For Approval | IFC = Issue For Construction | IFC = Issue For Construction | IFC = Issue For Construction | IFC = Issue For Planning | IFC = I \*\*Revision Purpose of Issued Document LONG SON A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification ME OL1-2M03-2718 MECHANICAL EQUIPMENT DATA SHEET - 10-D-2720 Class 1 Purpose\*\* IFQ Α Issue Plan Revised Plan Issue Actual 15/02/2019 TPSK-LSPA1-T-ME-00869 Transmittal no. Return Date 12/03/2019 Owner Cmmt\* R1 ME OL1-2M03-2719 MECHANICAL EQUIPMENT DATA SHEET - 10-P-2720 Class 1 Purpose\*\* Issue Plan Revised Plan Issue Actual 19/02/2019 Transmittal no. TPSK-LSPA1-T-ME-00891 Return Date 12/03/2019 Owner Cmmt\* ME OL1-2M03-2720 MECHANICAL EQUIPMENT DATA SHEET - 10-T-2720 Class 1 Purpose\*\* IFQ Issue Plan Revised Plan 28/01/2019 Issue Actual TPSK-LSPA1-T-ME-00741 Transmittal no Return Date 21/02/2019 Owner Cmmt\* ME OL1-2M03-2721 MECHANICAL EQUIPMENT DATA SHEET - 10-E-2720 Class 1 IFQ Purpose\*\* Issue Plan Revised Plan Issue Actual 28/02/2019 Transmittal no TPSK-LSPA1-T-ME-0095 Return Date 25/03/2019 Owner Cmmt\* ME OL1-2M03-2723 MECHANICAL EQUIPMENT DATA SHEET - 10-E-2724 Class 1 IFQ Α Issue Plan Issue Actual 25/02/2019 TPSK-LSPA1-T-ME-00929 Return Date 15/03/2019 Owner Cmmt\* ME OL1-2M03-2724 MECHANICAL EQUIPMENT DATA SHEET - 10-D-2724 Class 1 IFQ Purpose\*\* Issue Plan Revised Plan 15/02/2019 TPSK-LSPA1-T-ME-00869 Issue Actual Transmittal no Return Date 12/03/2019 Owner Cmmt\* ME OL1-2M03-2726 MECHANICAL EQUIPMENT DATA SHEET - 10-P-2726 Class 1 Purpose\*\* IFQ Issue Plan Issue Actual TPSK-LSPA1-T-ME-00898 Transmittal no. Return Date 19/03/2019 Owner Cmmt\* ME OL1-2M03-2727 MECHANICAL EQUIPMENT DATA SHEET - 10-E-2726 Class 1 IFQ Purpose\*\* Issue Plan Revised Plan Issue Actual 20/02/2019 TPSK-LSPA1-T-ME-00897 Return Date 12/03/2019 Owner Cmmt ME OL1-2M03-2728 MECHANICAL EQUIPMENT DATA SHEET - 10-P-2724 Class 1 Purpose\*\* IFQ Issue Plan Revised Plan 19/02/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-ME-00891 Return Date 12/03/2019 Owner Cmmt\* ME OL1-2M03-2729 Mechanical Equipment Datasheet - Wash Oil Pump Class Final Purpose\*\* IFQ IFQ Issue Plan Revised Plan 20/02/2019 09/04/2019 Issue Actual TPSK-LSPA1-T-ME-00898 Transmittal no. Return Date 12/03/2019 Owner Cmmt\* ME OL1-2M03-2735 MECHANICAL EQUIPMENT DATA SHEET - 10-D-2735 Class 1 Purpose\*\* Issue Plan Revised Plan Issue Actual 04/04/2019 Transmittal no. TPSK-LSPA1-T-ME-01253 Return Date Owner Cmmt\* ME OL1-2M03-2750 MECHANICAL EQUIPMENT DATA SHEET - 10-D-2750 Class 1 Purpose\*\* IFQ Issue Plan Revised Plan 15/02/2019 Issue Actual Transmittal no Return Date 12/03/2019 Owner Cmmt\*

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification ME OL1-2M03-2751 MECHANICAL EQUIPMENT DATA SHEET - 10-P-2750 Class 1 Purpose\*\* IFQ IFQ В Issue Plan Revised Plan 07/02/2019 20/03/2019 Issue Actual TPSK-LSPA1-T-ME-00817 TPSK-LSPA1-T-ME-01102 Transmittal no. Return Date 15/03/2019 Owner Cmmt\* R1 R1 ME OL1-2M03-2755 MECHANICAL EQUIPMENT DATA SHEET - 10-E-2755 Class 1 Purpose\*\* Issue Plan Revised Plan Issue Actual 19/03/2019 Transmittal no. TPSK-LSPA1-T-ME-01095 Return Date 11/04/2019 Owner Cmmt\* R2 ME OL1-2M03-2760 MECHANICAL EQUIPMENT DATA SHEET - 10-R-2760 Class 1 Purpose\*\* IFQ Issue Plan Revised Plan 01/02/2019 Issue Actual TPSK-LSPA1-T-ME-00795 TPSK-LSPA1-T-ME-01346 Transmittal no Return Date 21/02/2019 Owner Cmmt\* ME OL1-2M03-2762 MECHANICAL EQUIPMENT DATA SHEET - 10-D-2760 Class 1 IFQ Purpose\*\* Issue Plan Revised Plan Issue Actual 15/02/2019 Transmittal no TPSK-LSPA1-T-ME-00869 Return Date 12/03/2019 Owner Cmmt\* ME OL1-2M03-2763 MECHANICAL EQUIPMENT DATA SHEET - 10-E-2760 ( IFQ IFQ Issue Plan Revised Plan Issue Actual 15/03/2019 29/03/2019 TPSK-LSPA1-T-ME-01075 TPSK-LSPA1-T-ME-0120 Return Date Owner Cmmt\* ME OL1-2M03-2764 MECHANICAL EQUIPMENT DATA SHEET - 10-P-2760 Class 1 IFQ IFQ Purpose\*\* Issue Plan Revised Plan 07/02/2019 TPSK-LSPA1-T-ME-00817 Issue Actual Transmittal no TPSK-LSPA1-T-ME-0110 Return Date 15/03/2019 10/04/2019 Owner Cmmt\* ME OL1-2M03-2765 MECHANICAL EQUIPMENT DATA SHEET - 10-E-2765 Class 1 Purpose\*\* IFQ IFQ Issue Plan Issue Actual TPSK-LSPA1-T-ME-00991 TPSK-LSPA1-T-ME -01242 Transmittal no. Return Date 29/03/2019 Owner Cmmt\* ME OL1-2M03-2790 MECHANICAL EQUIPMENT DATA SHEET - 10-D-2790 Class 1 IFQ Purpose\*\* Issue Plan Revised Plan 08/01/2019 Issue Actual TPSK-LSPA1-T-ME-00607 Return Date 28/01/2019 Owner Cmmt ME OL1-2M03-2791 MECHANICAL EQUIPMENT DATA SHEET - 10-P-2790 Class 1 IFQ Purpose\*\* Issue Plan Revised Plan Issue Actual 17/12/2018 Transmittal no. TPSK-LSPA1-T-ME-0051 Return Date 14/01/2019 Owner Cmmt\* ME OL1-2M03-2800 MECHANICAL EQUIPMENT DATA SHEET - 10-C-2800 Class 1 Purpose\*\* IFQ IFP IFA Issue Plan Revised Plan 03/10/2018 21/03/2019 10/09/2018 Issue Actual TPSK-LSPA1-T-ME-0012 PSK-LSPA1-T-ME-01121 TPSK-LSPA1-T-ME-0003 Transmittal no. Return Date 05/04/2019 28/09/2018 Owner Cmmt\* R1 A3 ME OL1-2M03-2801 MECHANICAL EQUIPMENT DATA SHEET - 10-P-2805 Class 1 Purpose\*\* Α Issue Plan Revised Plan 20/12/2018 12/03/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-ME-00543 TPSK-LSPA1-T-ME-01035 Return Date 16/01/2019 29/03/2019 Owner Cmmt\* ME OL1-2M03-2805 MECHANICAL EQUIPMENT DATA SHEET - 10-D-2805 Class 1 Purpose\*\* IFQ IFQ Issue Plan Revised Plan 13/12/2018 28/03/2019 Issue Actual Transmittal no Return Date 22/01/2019 Owner Cmmt\*

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification ME OL1-2M03-2806 MECHANICAL EQUIPMENT DATA SHEET - 10-E-2805 Class 1 Purpose\*\* IFQ IFQ В Issue Plan Revised Plan 21/03/2019 Issue Actual 17/01/2019 TPSK-LSPA1-T-ME-00671 TPSK-LSPA1-T-ME-01123 Transmittal no. Return Date 11/04/2019 Owner Cmmt\* R1 ME OL1-2M03-2807 MECHANICAL EQUIPMENT DATA SHEET - 10-E-2807 Class 1 Purpose\*\* Issue Plan Revised Plan Issue Actual 14/12/2018 11/04/2019 Transmittal no. TPSK-LSPA1-T-ME-00505 TPSK-LSPA1-T-ME-01324 Return Date 22/01/2019 Owner Cmmt\* R2 ME OL1-2M03-2809 MECHANICAL EQUIPMENT DATA SHEET - 10-E-2809 Class 1 Purpose\*\* IFQ Issue Plan Revised Plan 14/12/2018 Issue Actual TPSK-LSPA1-T-ME-00505 TPSK-LSPA1-T-ME-01324 Transmittal no Return Date 22/01/2019 Owner Cmmt\* ME OL1-2M03-2810 MECHANICAL EQUIPMENT DATA SHEET - 10-D-2810 Class 1 IFQ Purpose\*\* Issue Plan Revised Plan Issue Actual 13/12/2018 Transmittal no TPSK-LSPA1-T-ME-00483 Return Date 22/01/2019 Owner Cmmt\* ME OL1-2M03-2815 MECHANICAL EQUIPMENT DATA SHEET - 10-D-2815 IFQ Α Issue Plan 08/01/2019 Issue Actual TPSK-LSPA1-T-ME-00607 Return Date 28/01/2019 Owner Cmmt\* ME OL1-2M03-2816 MECHANICAL EQUIPMENT DATA SHEET - 10-P-2815 Class 1 IFQ IFQ Purpose\*\* Issue Plan Revised Plan 20/12/2018 TPSK-LSPA1-T-ME-00543 Issue Actual Transmittal no TPSK-LSPA1-T-ME-0082 Return Date 16/01/2019 21/02/2019 Owner Cmmt\* ME OL1-2M03-2820 MECHANICAL EQUIPMENT DATA SHEET - 10-D-2820 Class 1 Purpose\*\* IFQ Issue Plan Issue Actual 13/12/2018 TPSK-LSPA1-T-ME-00483 Transmittal no. Return Date 22/01/2019 Owner Cmmt\* ME OL1-2M03-2830 MECHANICAL EQUIPMENT DATA SHEET - 10-D-2830 Class 1 IFQ Purpose\*\* Issue Plan Revised Plan 13/12/2018 Issue Actual TPSK-LSPA1-T-ME-00483 Return Date 22/01/2019 Owner Cmmt ME OL1-2M03-2840 MECHANICAL EQUIPMENT DATA SHEET - 10-D-2840 Class 1 IFQ Purpose\*\* Issue Plan Revised Plan Issue Actual 10/12/2018 Transmittal no. TPSK-LSPA1-T-ME-00460 Return Date 27/12/2018 Owner Cmmt\* ME OL1-2M03-2850 MECHANICAL EQUIPMENT DATA SHEET - 10-C-2850 Class 1 Purpose\*\* IFQ IFP IFA Issue Plan Revised Plan 03/10/2018 21/03/2019 10/09/2018 Issue Actual TPSK-LSPA1-T-ME-00127 TPSK-LSPA1-T-ME-01121 TPSK-LSPA1-T-ME-0003 Transmittal no. Return Date 26/10/2018 05/04/2019 28/09/2018 Owner Cmmt\* R1 A3 ME OL1-2M03-2852 MECHANICAL EQUIPMENT DATA SHEET - 10-E-2852 Class 1 Purpose\*\* Issue Plan Revised Plan 14/12/2018 Issue Actual 10/04/2019 Transmittal no. TPSK-LSPA1-T-ME-00505 TPSK-LSPA1-T-ME-01311 Return Date 22/01/2019 Owner Cmmt\* ME OL1-2M03-2853 MECHANICAL EQUIPMENT DATA SHEET - 10-E-2852 Class 1 Purpose\*\* IFQ IFQ Issue Plan Revised Plan 20/12/2018 10/04/2019 Issue Actual Transmittal no Return Date 22/01/2019 Owner Cmmt\*

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification ME OL1-2M03-2854 MECHANICAL EQUIPMENT DATA SHEET - 10-D-2855 Class 1 Purpose\*\* IFQ Α Issue Plan Revised Plan Issue Actual 11/01/2019 TPSK-LSPA1-T-ME-00638 Transmittal no. Return Date 31/01/2019 Owner Cmmt\* ME OL1-2M03-2855 MECHANICAL EQUIPMENT DATA SHEET - 10-P-2855 Class 1 IFQ Purpose\*\* Issue Plan Issue Actual 13/12/2018 12/03/2019 Transmittal no. TPSK-LSPA1-T-ME-00494 TPSK-LSPA1-T-ME-01035 Return Date 14/01/2019 29/03/2019 Owner Cmmt\* R2 R1 ME OL1-2M03-2856 MECHANICAL EQUIPMENT DATA SHEET - 10-E-2855 Class 1 Purpose\*\* IFQ IFQ Issue Plan Revised Plan 14/11/2018 30/01/2019 29/03/2019 Issue Actual TPSK-LSPA1-T-ME-00316 TPSK-LSPA1-T-ME-00773 TPSK-LSPA1-T-ME-012 Transmittal no Return Date 04/02/2019 26/02/2019 Owner Cmmt\* ME OL1-2M03-2857 MECHANICAL EQUIPMENT DATA SHEET - 10-E-2857 Class 1 IFQ IFQ IFQ Purpose\*\* Issue Plan Revised Plan Issue Actual 13/11/2018 30/01/2019 03/04/2019 Transmittal no TPSK-LSPA1-T-ME-00312 TPSK-LSPA1-T-ME-00773 TPSK-LSPA1-T-ME-0124 26/02/2019 Return Date 11/02/2019 Owner Cmmt\* ME OL1-2M03-2858 MECHANICAL EQUIPMENT DATA SHEET - 10-E-2858 IFQ IFQ Issue Plan Issue Actual 22/01/2019 04/04/2019 TPSK-LSPA1-T-ME-00684 TPSK-LSPA1-T-ME-01256 Return Date Owner Cmmt\* ME OL1-2M03-2859 Mechanical Equipment Data Sheet - 10-E-2856 - Et Class Final IFQ IFQ Purpose\*\* Issue Plan Revised Plan 20/12/2018 03/04/2019 TPSK-LSPA1-T-ME-00541 TPSK-LSPA1-T-ME -01234 Issue Actual Transmittal no Return Date 11/02/2019 Owner Cmmt\* ME OL1-2M03-2860 MECHANICAL EQUIPMENT DATA SHEET - 10-D-2860 Class 1 Purpose\*\* IFQ Issue Plan Issue Actual 20/12/2018 TPSK-LSPA1-T-ME-00553 Transmittal no. Return Date 24/01/2019 Owner Cmmt\* ME OL1-2M03-2865 MECHANICAL EQUIPMENT DATA SHEET - 10-D-2865 Class 1 IFQ Purpose\*\* Issue Plan Revised Plan 08/01/2019 Issue Actual TPSK-LSPA1-T-ME-00607 Return Date 28/01/2019 Owner Cmmt ME OL1-2M03-2870 MECHANICAL EQUIPMENT DATA SHEET - 10-D-2870 Class 1 IFQ Purpose\*\* Issue Plan Revised Plan 17/01/2019 28/03/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-ME-00670 TPSK-LSPA1-T-ME-0118 Return Date 11/02/2019 Owner Cmmt\* ME OL1-2M03-2880 MECHANICAL EQUIPMENT DATA SHEET - 10-D-2880 Class 1 Purpose\*\* IFQ IFQ Issue Plan Revised Plan 10/12/2018 23/01/2019 Issue Actual TPSK-LSPA1-T-ME-00460 TPSK-LSPA1-T-ME-0070 Transmittal no. Return Date 27/12/2018 21/02/2019 Owner Cmmt\* R2 ME OL1-2M03-2910 MECHANICAL EQUIPMENT DATA SHEET - 10-TK-291 Class 1 Purpose\*\* Issue Plan Revised Plan Issue Actual 28/01/2019 Transmittal no. TPSK-LSPA1-T-ME-00745 Return Date 21/02/2019 Owner Cmmt\* ME OL1-2M03-2911 MECHANICAL EQUIPMENT DATA SHEET - 10-P-2910 Class 1 Purpose\*\* IFQ IFQ Issue Plan Revised Plan 25/02/2019 08/04/2019 Issue Actual Transmittal no Return Date 12/03/2019 Owner Cmmt\*

ABBREVIATION Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information DOCUMENT NO. Master Document Index (MDI)

| IFR = Issue For Review | IFA = Issue For Approval | IFC = Issue For Construction | IFC = Issue For Construction | IFC = Issue For Construction | IFC = Issue For Planning | IFC = I \*\*Revision Purpose of Issued Document LONG SON A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification ME OL1-2M03-2932 Mechanical Equipment Data Sheet - Methanol Dru Class Final Purpose\*\* IFQ Α Issue Plan Revised Plan 23/01/2019 Issue Actual TPSK-LSPA1-T-ME-00709 Transmittal no. Return Date ME OL1-2M03-2934 Mechanical Equipment Datasheet - Methanol Injec Class Final Owner Cmmt\* IFQ Purpose\*\* Issue Plan Issue Actual 24/01/2019 20/03/2019 Transmittal no. TPSK-LSPA1-T-ME-00716 TPSK-LSPA1-T-ME-01102 Return Date 21/02/2019 10/04/2019 Owner Cmmt\* R2 ME OL1-2M03-3000 MECHANICAL EQUIPMENT DATA SHEET - 10-T-3000 Class 1 Purpose\*\* IFQ Issue Plan Revised Plan 08/04/2019 Issue Actual TPSK-LSPA1-T-ME-0127 Transmittal no. Return Date Owner Cmmt\* ME OL1-2M03-3010 MECHANICAL EQUIPMENT DATA SHEET - 10-D-3010 Class 1 IFQ Purpose\*\* Issue Plan Revised Plan Issue Actual 08/04/2019 Transmittal no TPSK-LSPA1-T-ME-0127 Return Date Owner Cmmt\* ME OL1-2M03-3020 MECHANICAL EQUIPMENT DATA SHEET - 10-T-3020 IFQ Α Issue Plan Revised Plan 08/04/2019 Issue Actual TPSK-LSPA1-T-ME-01275 Return Date Owner Cmmt\* ME OL1-2M03-3030 MECHANICAL EQUIPMENT DATA SHEET - 10-T-3030 Class 1 IFQ Purpose\*\* Issue Plan Revised Plan 11/04/2019 TPSK-LSPA1-T-ME-01325 Issue Actual Transmittal no Return Date Owner Cmmt\* ME OL1-2M03-3040 MECHANICAL EQUIPMENT DATA SHEET - 10-T-3040 Class 1 Purpose\*\* Issue Plan Issue Actual 08/04/2019 TPSK-LSPA1-T-ME-01275 Transmittal no. Return Date Owner Cmmt\* ME OL1-2M03-3050 MECHANICAL EQUIPMENT DATA SHEET - 10-T-3050 Class 1 IFQ Purpose\*\* Issue Plan Revised Plan Issue Actual 11/04/2019 TPSK-LSPA1-T-ME-01325 Return Date Owner Cmmt ME OL1-2M03-3060 MECHANICAL EQUIPMENT DATA SHEET - 10-T-3060 Class 1 Purpose\*\* Issue Plan Revised Plan 08/04/2019 TPSK-LSPA1-T-ME-0127 Issue Actual Transmittal no. Return Date Owner Cmmt\* ME OL1-2M03-3070 MECHANICAL EQUIPMENT DATA SHEET - 10-T-3070 Class 1 Purpose\*\* IFQ Issue Plan Revised Plan 08/04/2019 Issue Actual TPSK-LSPA1-T-ME-0127 Transmittal no. Return Date Owner Cmmt ME OL1-2M03-3073 MECHANICAL EQUIPMENT DATA SHEET - 10-E-3070 Class 1 Purpose\*\* Issue Plan Revised Plan Issue Actual 22/01/2019 14/03/2019 Transmittal no. TPSK-LSPA1-T-ME-00692 TPSK-LSPA1-T-ME-01066 Return Date 26/02/2019 02/04/2019 Owner Cmmt\* ME OL1-2M03-3080 MECHANICAL EQUIPMENT DATA SHEET - 10-T-3080 Class 1 Purpose\*\* IFQ Issue Plan Revised Plan 08/04/2019 Issue Actual Transmittal no Return Date Owner Cmmt\*

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification ME OL1-2M03-3090 MECHANICAL EQUIPMENT DATA SHEET - 10-T-3090 Class 1 Purpose\*\* IFQ Issue Plan Revised Plan 10/04/2019 Issue Actual TPSK-LSPA1-T-ME-01312 Transmittal no. Return Date Owner Cmmt\* ME OL1-2M03-3110 MECHANICAL EQUIPMENT DATA SHEET - 10-T-3110 Class 1 IFQ Purpose\*\* Issue Plan Revised Plan Issue Actual 08/04/2019 Transmittal no. TPSK-LSPA1-T-ME-01275 Return Date Owner Cmmt\* ME OL1-2M03-5100 Mechanical Equipment Datasheet for Deaerator D- Class Final Purpose\*\* Issue Plan Revised Plan 01/04/2019 Issue Actual TPSK-LSPA1-T-ME-012 Transmittal no Return Date Owner Cmmt\* ME OL1-2M03-5101 MECHANICAL EQUIPMENT DATA SHEET - 10-P-5100 Class 1 IFQ IFQ IFQ Purpose\* Issue Plan Revised Plan Issue Actual 27/10/2018 15/11/2018 11/12/2018 Transmittal no TPSK-LSPA1-T-ME-00236 TPSK-LSPA1-T-ME-0032 TPSK-LSPA1-T-ME-0047 Return Date 19/11/2018 10/12/2018 16/01/2019 Owner Cmmt\* ME OL1-2M03-5102 MECHANICAL EQUIPMENT DATA SHEET - 10-P-5102 IFQ IFQ IFQ Issue Plan Issue Actual 27/10/2018 11/12/2018 02/04/2019 TPSK-LSPA1-T-ME-00236 TPSK-LSPA1-T-ME-00476 TPSK-LSPA1-T-ME-01227 Return Date 19/11/2018 16/01/2019 Owner Cmmt\* ME OL1-2M03-5103 MECHANICAL EQUIPMENT DATA SHEET - 10-E-5100 Class 1 CAN IFQ Purpose\*\* Issue Plan Revised Plan 29/01/2019 TPSK-LSPA1-T-ME-00755 Issue Actual Transmittal no TPSK-LSPA1-T-ME-0125 Return Date 21/02/2019 Owner Cmmt\* ME OL1-2M03-5107 MECHANICAL EQUIPMENT DATA SHEET - 10-E-5112 Class 1 Purpose\*\* IFQ Issue Plan Issue Actual TPSK-LSPA1-T-ME-00755 Transmittal no. Return Date 21/02/2019 Owner Cmmt\* ME OL1-2M03-5108 MECHANICAL EQUIPMENT DATA SHEET - 10-E-5110 Class 1 IFQ Purpose\*\* Issue Plan Revised Plan 25/01/2019 Issue Actual 25/02/2019 TPSK-LSPA1-T-ME-00723 TPSK-LSPA1-T-ME-00930 Return Date 21/02/2019 25/03/2019 Owner Cmmt ME OL1-2M03-5109 MECHANICAL EQUIPMENT DATA SHEET - 10-P-5110 Class 1 IFQ IFQ Purpose\*\* Issue Plan Revised Plan 25/03/2019 29/03/2019 Issue Actual 26/10/2018 14/11/2018 11/12/2018 Transmittal no. TPSK-LSPA1-T-ME-00235 TPSK-LSPA1-T-ME-00317 TPSK-LSPA1-T-ME-00476 TPSK-LSPA1-T-ME-01151 TPSK-LSPA1-T-ME-01197 Return Date 19/11/2018 21/02/2019 16/01/2019 10/04/2019 Owner Cmmt\* ME OL1-2M03-5110 MECHANICAL EQUIPMENT DATA SHEET - 10-TK-511 Class 1 Purpose\*\* IFQ Issue Plan Revised Plan 28/01/2019 Issue Actual TPSK-LSPA1-T-ME-00746 Transmittal no Return Date 21/02/2019 Owner Cmmt\* ME OL1-2M03-5111 MECHANICAL EQUIPMENT DATA SHEET - 10-P-5112 Class 1 Purpose\*\* Issue Plan Revised Plan 20/11/2018 Issue Actual 20/12/2018 Transmittal no. TPSK-LSPA1-T-ME-00341 TPSK-LSPA1-T-ME-00544 Return Date 13/12/2018 16/01/2019 Owner Cmmt\* ME OL1-2M03-5112 MECHANICAL EQUIPMENT DATA SHEET - 10-D-5112 Class 1 Purpose\*\* IFQ Issue Plan Revised Plan 16/01/2019 Issue Actual Transmittal no Return Date 11/02/2019 Owner Cmmt\*

ABBREVIATION Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information DOCUMENT NO. \*\*Revision Purpose of Issued Document LONG SON Master Document Index (MDI) IFR = Issue For Review A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification ME OL1-2M03-5113 MECHANICAL EQUIPMENT DATA SHEET - 10-E-5113 Class 1 Purpose\*\* IFQ Α Issue Plan Revised Plan Issue Actual 29/01/2019 TPSK-LSPA1-T-ME-0075 Transmittal no. Return Date Owner Cmmt\* R1 ME OL1-2M03-5114 MECHANICAL EQUIPMENT DATA SHEET - 10-D-5114 Class 1 Purpose\*\* Issue Plan Revised Plan Issue Actual 16/01/2019 Transmittal no. TPSK-LSPA1-T-ME-00657 Return Date 11/02/2019 Owner Cmmt\* R2 ME OL1-2M03-5115 Mechanical Equipment Datasheet For Condensate Class Final Purpose\*\* IFQ Issue Plan Revised Plan 13/03/2019 Issue Actual TPSK-LSPA1-T-ME-0104 Transmittal no Return Date 01/04/2019 Owner Cmmt\* ME OL1-2M03-5120 MECHANICAL EQUIPMENT DATA SHEET - 10-TK-512 Class 1 IFQ Purpose\*\* Issue Plan Revised Plan Issue Actual 28/01/2019 Transmittal no TPSK-LSPA1-T-ME-00746 Return Date 21/02/2019 Owner Cmmt\* ME OL1-2M03-5121 MECHANICAL EQUIPMENT DATA SHEET - 10-P-5120 Class 1 IFQ IFQ Issue Plan Issue Actual 20/11/2018 20/12/2018 TPSK-LSPA1-T-ME-00341 TPSK-LSPA1-T-ME-00544 Return Date 13/12/2018 Owner Cmmt\* R1 ME OL1-2M03-5125 Mechanical Equipment Datasheet for Condensate Class Final IFQ Purpose\*\* Issue Plan Revised Plan 27/02/2019 TPSK-LSPA1-T-ME-00941 Issue Actual Transmittal no Return Date 01/04/2019 Owner Cmmt\* ME OL1-2M03-5140 MECHANICAL EQUIPMENT DATA SHEET - 10-D-5140 Class 1 Purpose\*\* IFQ IFQ Issue Plan Issue Actual 20/12/2018 11/01/2019 TPSK-LSPA-T-ME-00548 TPSK-LSPA1-T-ME-00638 Transmittal no. 24/01/2019 Return Date 31/01/2019 Owner Cmmt\* ME OL1-2M03-5141 MECHANICAL EQUIPMENT DATA SHEET - 10-P-5140 Class 1 IFQ Purpose\*\* Issue Plan Revised Plan Issue Actual 19/11/2018 TPSK-LSPA1-T-ME-00335 Return Date 13/12/2018 Owner Cmmt ME OL1-2M03-5150 MECHANICAL EQUIPMENT DATA SHEET - 10-D-5150 Class 1 Purpose\*\* IFQ Issue Plan Revised Plan 11/01/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-ME-00629 Return Date 31/01/2019 Owner Cmmt\* ME OL1-2M03-5200 MECHANICAL EQUIPMENT DATA SHEET - 10-D-5200 Class 1 Purpose\*\* IFQ Issue Plan Revised Plan 11/01/2019 Issue Actual TPSK-LSPA1-T-ME-00629 Transmittal no. Return Date 31/01/2019 Owner Cmmt\* ME OL1-2M03-5201 MECHANICAL EQUIPMENT DATA SHEET - 10-E-5200 Class 1 Purpose\*\* Issue Plan Revised Plan 29/01/2019 Issue Actual 12/04/2019 Transmittal no. TPSK-LSPA1-T-ME-00755 TPSK-LSPA1-T-ME-01344 Return Date 21/02/2019 Owner Cmmt\* ME OL1-2M03-5202 Mechanical Equipment Data Sheet - MP Ethylene S Class Final Purpose\*\* IFQ Issue Plan Revised Plan 22/01/2019 Issue Actual Transmittal no Return Date 15/02/2019 Owner Cmmt\*

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification ME OL1-2M03-5210 MECHANICAL EQUIPMENT DATA SHEET - 10-E-5210 Class 1 Purpose\*\* IFQ Α Issue Plan Revised Plan Issue Actual 17/01/2019 TPSK-LSPA1-T-ME-00673 Transmittal no. Return Date Owner Cmmt\* R1 ME OL1-2M03-5211 Mechanical Equipment Data Sheet - Pilot Gas Vapo Class Final IFQ Purpose\*\* Issue Plan Revised Plan Issue Actual 23/01/2019 28/03/2019 Transmittal no. TPSK-LSPA1-T-ME-00709 TPSK-LSPA1-T-ME-01186 Return Date 21/02/2019 Owner Cmmt\* R1 ME OL1-2M03-5350 Mechanical Equipment Datasheet for Cooling Tow Class Final Purpose\*\* IFQ Issue Plan Revised Plan 06/11/2018 Issue Actual TPSK-LSPA1-T-ME-002 Transmittal no Return Date 15/02/2019 Owner Cmmt\* ME OL1-2M03-5352 MECHANICAL EQUIPMENT DATA SHEET - 10-P-5350 Class 1 IFQ IFQ Purpose\*\* Issue Plan Revised Plan Issue Actual 23/10/2018 28/11/2018 Transmittal no TPSK-LSPA1-T-ME-00210 TPSK-LSPA1-T-ME-0038 Return Date 14/11/2018 18/12/2018 Owner Cmmt\* ME OL1-2M03-5355 Mechanical Equipment Datasheet for Side Stream Class Final IFQ IFP Issue Plan Issue Actual 31/10/2018 27/03/2019 TPSK-LSPA1-T-ME-00248 TPSK-LSPA1-T-ME-01164 Return Date 27/11/2018 Owner Cmmt\* ME OL1-2M03-5361 MECHANICAL EQUIPMENT DATA SHEET - 10-P-5360 Class 1 IFQ IFQ IFQ IFQ Purpose\*\* Issue Plan Revised Plan 23/10/2018 TPSK-LSPA1-T-ME-00210 Issue Actual 14/11/2018 28/11/2018 11/01/2019 Transmittal no PSK-LSPA1-T-ME-00317 PSK-LSPA1-T-ME-00388 TPSK-LSPA1-T-MF-0062 18/12/2018 R1 Return Date 14/11/2018 21/02/2019 31/01/2019 Owner Cmmt\* ME OL1-2M03-5371 MECHANICAL EQUIPMENT DATA SHEET - 10-P-5370 Class 1 Purpose\*\* IFQ IFQ Issue Plan Issue Actual 24/01/2019 12/03/2019 TPSK-LSPA1-T-ME-00716 TPSK-LSPA1-T-ME-01038 Transmittal no. Return Date 21/02/2019 29/03/2019 Owner Cmmt\* ME OL1-2M03-5400 MECHANICAL EQUIPMENT DATA SHEET - 10-D-5400 Class 1 IFQ Purpose\*\* Issue Plan Revised Plan 22/01/2019 Issue Actual TPSK-LSPA1-T-ME-00685 Return Date 15/02/2019 Owner Cmmt ME OL1-2M03-5500 MECHANICAL EQUIPMENT DATA SHEET - 10-D-5500 Class 1 IFQ Purpose\*\* Issue Plan Revised Plan Issue Actual 13/12/2018 Transmittal no. TPSK-LSPA1-T-ME-00483 Return Date 22/01/2019 Owner Cmmt\* ME OL1-2M03-5501 MECHANICAL EQUIPMENT DATA SHEET - 10-P-5500 Class 1 Purpose\*\* IFQ IFQ IFQ Issue Plan Revised Plan 10/01/2019 07/02/2019 20/03/2019 Issue Actual TPSK-LSPA1-T-ME-00616 TPSK-LSPA1-T-ME-00822 TPSK-LSPA1-T-ME-0110 Transmittal no Return Date 30/01/2019 21/02/2019 10/04/2019 Owner Cmmt\* R1 ME OL1-2M03-5510 MECHANICAL EQUIPMENT DATA SHEET - 10-D-5510 Class 1 Purpose\*\* Issue Plan Revised Plan Issue Actual 11/01/2019 Transmittal no. TPSK-LSPA1-T-ME-00629 Return Date 31/01/2019 Owner Cmmt\* ME OL1-2M03-5511 MECHANICAL EQUIPMENT DATA SHEET - 10-E-5510 Class 1 Purpose\*\* IFQ Issue Plan Revised Plan 29/01/2019 Issue Actual Transmittal no Return Date 21/02/2019 Owner Cmmt\*

ABBREVIATION Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information DOCUMENT NO. \*\*Revision Purpose of Issued Document LONG SON Master Document Index (MDI) IFR = Issue For Review A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification ME OL1-2M03-5512 MECHANICAL EQUIPMENT DATA SHEET - 10-E-5512 Class 1 Purpose\*\* IFQ IFQ В Issue Plan Revised Plan 03/04/2019 Issue Actual 29/01/2019 TPSK-LSPA1-T-ME-00755 TPSK-LSPA1-T-ME-01247 Transmittal no. Return Date Owner Cmmt\* R1 ME OL1-2M03-5513 MECHANICAL EQUIPMENT DATA SHEET - 10-E-5513 Class 1 IFQ Purpose\*\* Issue Plan Revised Plan Issue Actual 25/01/2019 29/03/2019 Transmittal no. TPSK-LSPA1-T-ME-00723 TPSK-LSPA1-T-ME-01205 Return Date 21/02/2019 Owner Cmmt\* ME OL1-2M03-5514 MECHANICAL EQUIPMENT DATA SHEET - 10-D-5513 Class 1 Purpose\*\* IFQ Issue Plan Revised Plan 23/01/2019 28/03/2019 Issue Actual TPSK-LSPA1-T-ME-00709 TPSK-LSPA1-T-ME-01180 Transmittal no Return Date 21/02/2019 Owner Cmmt\* ME OL1-2M03-5515 MECHANICAL EQUIPMENT DATA SHEET - 10-D-5513 Class 1 IFQ Purpose\*\* Issue Plan Revised Plan Issue Actual 08/01/2019 Transmittal no TPSK-LSPA1-T-ME-0060 Return Date 28/01/2019 Owner Cmmt\* ME OL1-2M03-5520 MECHANICAL EQUIPMENT DATA SHEET - 10-D-5520 IFQ Issue Plan 11/01/2019 Issue Actual TPSK-LSPA1-T-ME-00638 Return Date 31/01/2019 Owner Cmmt\* ME OL1-2M03-5522 Mechanical Equipment Datasheet - LP Vent Blower Class Final IFQ Purpose\*\* Issue Plan Revised Plan 11/01/2019 TPSK-LSPA1-T-ME-00640 Issue Actual Transmittal no Return Date 11/02/2019 Owner Cmmt\* ME OL1-2M03-5550 MECHANICAL EQUIPMENT DATA SHEET - 10-D-5550 Class 1 Purpose\*\* IFQ Issue Plan Issue Actual 11/01/2019 20/03/2019 TPSK-LSPA1-T-ME-00629 TPSK-LSPA1-T-ME-01114 Transmittal no. Return Date 31/01/2019 Owner Cmmt\* ME OL1-2M03-5551 MECHANICAL EQUIPMENT DATA SHEET - 10-P-5550 Class 1 IFQ Purpose\*\* Issue Plan Revised Plan Issue Actual 10/01/2019 TPSK-LSPA1-T-ME-00616 Return Date 30/01/2019 Owner Cmmt ME OL1-2M03-5552 MECHANICAL EQUIPMENT DATA SHEET - 10-D-5552 Class 1 IFQ Purpose\*\* Issue Plan Revised Plan 11/01/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-ME-00638 Return Date 31/01/2019 Owner Cmmt\* ME OL1-2M03-5553 MECHANICAL EQUIPMENT DATA SHEET - 10-E-5552 Class 1 Purpose\*\* IFQ Issue Plan Revised Plan 22/01/2019 Issue Actual TPSK-LSPA1-T-ME-00684 Transmittal no. Return Date 11/02/2019 Owner Cmmt ME OL1-2M03-5555 Mechanical Equipment Data Sheet - LPG Vaporizer Class Final Purpose\*\* Issue Plan Revised Plan 23/01/2019 Issue Actual 28/03/2019 Transmittal no. TPSK-LSPA1-T-ME-00709 TPSK-LSPA1-T-ME-01186 Return Date 21/02/2019 Owner Cmmt\* ME OL1-2M03-5560 Mechanical Data Sheet for HP / Polyolefins Flare Pa Class Final Purpose\*\* IFQ Issue Plan Revised Plan Issue Actual Transmittal no Return Date 08/02/2019 Owner Cmmt\*

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification ME OL1-2M03-5565 MECHANICAL EQUIPMENT DATA SHEET- 10-D-5565 Class 1 Purpose\*\* IFQ Α Issue Plan Revised Plan Issue Actual 23/01/2019 TPSK-LSPA1-T-ME-0070 Transmittal no. Return Date Owner Cmmt\* R2 ME OL1-2M03-5566 Mechanical Equipment Datasheet - Polyolefins Flar Class Final Purpose\*\* Issue Plan Issue Actual 24/01/2019 Transmittal no. TPSK-LSPA1-T-ME-00716 Return Date 21/02/2019 Owner Cmmt\* ME OL1-2M03-5606 MECHANICAL EQUIPMENT DATA SHEET - 10-P-5600 Class 1 Purpose\*\* IFQ Issue Plan Revised Plan 07/02/2019 08/04/2019 Issue Actual TPSK-LSPA1-T-ME-00817 TPSK-LSPA1-T-ME-012 Transmittal no Return Date 15/03/2019 Owner Cmmt\* ME OL1-2M03-5607 MECHANICAL EQUIPMENT DATA SHEET - 10-P-5601 Class 1 IFQ IFQ Purpose\*\* Issue Plan Revised Plan Issue Actual 24/01/2019 01/03/2019 Transmittal no TPSK-LSPA1-T-ME-00716 TPSK-LSPA1-T-ME-00962 15/03/2019 Return Date 21/02/2019 Owner Cmmt\* ME OL1-2M03-5608 MECHANICAL EQUIPMENT DATA SHEET - 10-P-5602 IFQ IFQ Issue Plan Issue Actual 24/01/2019 01/03/2019 TPSK-LSPA1-T-ME-00716 TPSK-LSPA1-T-ME-00962 Return Date 15/03/2019 Owner Cmmt\* ME OL1-2M03-5609 MECHANICAL EQUIPMENT DATA SHEET - 10-P-5603 Class 1 IFQ IFQ Purpose\*\* Issue Plan Revised Plan 24/01/2019 TPSK-LSPA1-T-ME-00716 01/03/2019 Issue Actual Transmittal no TPSK-LSPA1-T-ME-0096 Return Date 21/02/2019 15/03/2019 Owner Cmmt\* ME OL1-2M03-5611 MECHANICAL EQUIPMENT DATA SHEET - 10-P-5610 Class 1 Purpose\*\* IFQ IFQ Issue Plan Issue Actual 24/01/2019 TPSK-LSPA1-T-ME-00716 08/04/2019 TPSK-LSPA1-T-ME-01279 Transmittal no. Return Date 21/02/2019 Owner Cmmt\* ME OL1-2M03-5612 MECHANICAL EQUIPMENT DATA SHEET - 10-F-5610 Class 1 IFQ IFQ Purpose\*\* Issue Plan Revised Plan 11/01/2019 Issue Actual 25/03/2019 TPSK-LSPA1-T-ME-00639 TPSK-LSPA1-T-ME-0114 Return Date 30/01/2019 11/04/2019 Owner Cmmt ME OL1-2M03-5613 MECHANICAL EQUIPMENT DATA SHEET - 10-P-5604 Class 1 IFQ IFQ Purpose\*\* Issue Plan Revised Plan 24/01/2019 Issue Actual 01/03/2019 Transmittal no. TPSK-LSPA1-T-ME-00716 TPSK-LSPA1-T-ME-00962 Return Date 21/02/2019 15/03/2019 Owner Cmmt\* ME OL1-2M03-5614 MECHANICAL EQUIPMENT DATA SHEET - 10-P-5605 Class 1 Purpose\*\* IFQ IFQ Issue Plan Revised Plan 24/01/2019 01/03/2019 Issue Actual TPSK-LSPA1-T-ME-00716 TPSK-LSPA1-T-ME-0096 Transmittal no. Return Date 21/02/2019 15/03/2019 Owner Cmmt\* R1 ME OL1-2M03-5616 MECHANICAL EQUIPMENT DATA SHEET - 10-P-5615 Class 1 Purpose\*\* Issue Plan Revised Plan Issue Actual 24/01/2019 01/03/2019 Transmittal no. TPSK-LSPA1-T-ME-00716 TPSK-LSPA1-T-ME-00962 Return Date 21/02/2019 15/03/2019 Owner Cmmt\* ME OL1-2M03-5621 MECHANICAL EQUIPMENT DATA SHEET - 10-P-5621 Class 1 Purpose\*\* IFQ IFQ Issue Plan Revised Plan 28/01/2019 20/03/2019 Issue Actual Transmittal no Return Date 21/02/2019 10/04/2019 Owner Cmmt\*

ABBREVIATION Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information DOCUMENT NO. Master Document Index (MDI)

| IFR = Issue For Review | IFA = Issue For Approval | IFC = Issue For Construction | IFC = Issue For Construction | IFC = Issue For Construction | IFC = Issue For Planning | IFC = I \*\*Revision Purpose of Issued Document LONG SON A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification ME OL1-2M03-5622 MECHANICAL EQUIPMENT DATA SHEET - 10-P-5620 Class 1 Purpose\*\* IFQ Α Issue Plan Revised Plan 24/01/2019 Issue Actual TPSK-LSPA1-T-ME-00716 Transmittal no. Return Date Owner Cmmt\* R2 ME OL1-2M03-5623 Mechanical Equipment Datasheet - Gate House Sep Class Final Purpose\*\* Issue Plan Issue Actual 13/02/2019 Transmittal no. TPSK-LSPA1-T-ME-00847 Return Date 11/03/2019 Owner Cmmt\* R2 ME OL1-2M03-5624 Mechanical Equipment Datasheet - West Gate Hou Class Final Purpose\*\* IFQ Issue Plan Revised Plan 13/02/2019 Issue Actual TPSK-LSPA1-T-ME-0084 Transmittal no Return Date 11/03/2019 Owner Cmmt\* ME OL1-2M03-5625 Mechanical Equipment Datasheet - East Gate House Class Final IFQ Purpose\*\* Issue Plan Revised Plan Issue Actual 13/02/2019 Transmittal no TPSK-LSPA1-T-ME-00847 Return Date 11/03/2019 Owner Cmmt\* ME OL1-2M03-5635 MECHANICAL EQUIPMENT DATA SHEET - 10-P-5630 Class 1 IFQ Α Issue Plan Issue Actual 07/02/2019 TPSK-LSPA1-T-ME-00817 Return Date 15/03/2019 Owner Cmmt\* ME OL1-2M03-5636 MECHANICAL EQUIPMENT DATA SHEET - 10-P-5631 Class 1 IFQ Purpose\*\* Issue Plan Revised Plan 07/02/2019 TPSK-LSPA1-T-ME-00817 Issue Actual Transmittal no Return Date 15/03/2019 Owner Cmmt\* ME OL1-2M03-5637 MECHANICAL EQUIPMENT DATA SHEET - 10-P-5632 Class 1 Purpose\*\* IFQ Issue Plan Issue Actual 07/02/2019 20/03/2019 TPSK-LSPA1-T-ME-00817 TPSK-LSPA1-T-ME-01102 Transmittal no. Return Date 15/03/2019 10/04/2019 Owner Cmmt\* ME OL1-2M03-5638 MECHANICAL EQUIPMENT DATA SHEET - 10-P-5633 Class 1 IFQ IFQ Purpose\*\* Issue Plan Revised Plan Issue Actual 07/02/2019 20/03/2019 TPSK-LSPA1-T-ME-00817 TPSK-LSPA1-T-ME-01102 Return Date 15/03/2019 10/04/2019 Owner Cmmt ME OL1-2M03-5640 MECHANICAL EQUIPMENT DATA SHEET - 10-TK-564 Class 1 Purpose\*\* Issue Plan Revised Plan 26/02/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-ME-00926 Return Date 15/03/2019 Owner Cmmt\* ME OL1-2M03-5641 MECHANICAL EQUIPMENT DATA SHEET - 10-P-5641 Class 1 Purpose\*\* IFQ Issue Plan Revised Plan 09/04/2019 Issue Actual TPSK-LSPA1-T-ME-01292 Transmittal no. Return Date Owner Cmmt ME OL1-2M03-5644 Mechanical Equipment Datasheet For Complex Wa Class Final Purpose\*\* Issue Plan Revised Plan Issue Actual 15/02/2019 Transmittal no. TPSK-LSPA1-T-ME-00863 Return Date Owner Cmmt\* ME OL1-2M03-5645 MECHANICAL EQUIPMENT DATA SHEET - 10-P-5640 Class 1 Purpose\*\* IFQ A Issue Plan Revised Plan 09/04/2019 Issue Actual Transmittal no TPSK-LSPA1-T-ME-01292 Return Date Owner Cmmt\*

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification ME OL1-2M03-5648 Mechanical Equipment Datasheet - C3 Hydrog Area Class Final Purpose\*\* IFQ IFQ В Issue Plan Revised Plan 24/01/2019 01/03/2019 Issue Actual TPSK-LSPA1-T-ME-00716 TPSK-LSPA1-T-ME-00962 Transmittal no. Return Date 15/03/2019 Owner Cmmt\* R2 R1 ME OL1-2M03-5649 Mechanical Equipment Datasheet - Flare KO Drum Class Final IFQ Purpose\*\* Issue Plan Issue Actual 24/01/2019 01/03/2019 Transmittal no. TPSK-LSPA1-T-ME-00716 TPSK-LSPA1-T-ME-00962 Return Date 21/02/2019 15/03/2019 Owner Cmmt\* R2 ME OL1-2M03-5900 MECHANICAL EQUIPMENT DATA SHEET - 10-TK-590 Class 1 Purpose\*\* IFQ Issue Plan Revised Plan 29/01/2019 Issue Actual TPSK-LSPA1-T-ME-0075 Transmittal no Return Date 21/02/2019 Owner Cmmt\* ME OL1-2M03-5901 MECHANICAL EQUIPMENT DATA SHEET - 10-P-5900 Class 1 IFQ Purpose\* Issue Plan Revised Plan Issue Actual 01/02/2019 Transmittal no TPSK-LSPA1-T-ME-00787 Return Date 21/02/2019 Owner Cmmt\* ME OL1-2M03-5902 Mechanical Equipment Datasheet - Sulfuric Acid M Class Final IFQ IFQ Issue Plan Issue Actual 01/02/2019 08/04/2019 TPSK-LSPA1-T-ME-00787 TPSK-LSPA1-T-ME-01279 Return Date Owner Cmmt\* ME OL1-2M03-5905 Mechanical Equipment Datasheet - CTU Sulfuric Ac Class Final IFQ Purpose\*\* Issue Plan Revised Plan 09/04/2019 TPSK-LSPA1-T-ME-01292 Issue Actual Transmittal no Return Date Owner Cmmt\* ME OL1-2M03-5950 MECHANICAL EQUIPMENT DATA SHEET - 10-TK-595 Class 1 Purpose\*\* IFQ Issue Plan Issue Actual 11/02/2019 TPSK-LSPA1-T-ME-00839 Transmittal no. Return Date 28/02/2019 Owner Cmmt\* ME OL1-2M03-5951 MECHANICAL EQUIPMENT DATA SHEET - 10-P-5950 Class 1 IFQ IFQ Purpose\*\* Issue Plan Revised Plan 28/01/2019 08/04/2019 Issue Actual TPSK-LSPA1-T-ME-00742 TPSK-LSPA1-T-ME-01279 Return Date 21/02/2019 Owner Cmmt ME OL1-2M03-5955 Mechanical Equipment Datasheet - CTU NaCOl Met Class Final IFQ Purpose\*\* Issue Plan Revised Plan 09/04/2019 TPSK-LSPA1-T-ME-01292 Issue Actual Transmittal no. Return Date Owner Cmmt\* ME OL1-2M03-6004 Mechanical Equipment Datasheet For Cracked Gas Class Final Purpose\*\* IFQ Issue Plan Revised Plan 22/02/2019 Issue Actual TPSK-LSPA1-T-ME-00913 Transmittal no. Return Date 05/04/2019 Owner Cmmt ME OL1-2M03-6005 Mechanical Equipment Datasheet For Ethylene And Class Final Purpose\*\* Issue Plan Revised Plan Issue Actual 22/02/2019 Transmittal no. TPSK-LSPA1-T-ME-00913 Return Date 05/04/2019 Owner Cmmt\* Category Code: M04 Mechanical design basic / philosophy / logic diagram Category Code: M05 Mechanical calculation sheet / report
Category Code: M06 Mechanical equipment drawing ME OL1-2M06-1001 USC 36M FURNACE GENERAL ARRANGEMENT CROS Class 2 Purpose\*\* IFR Issue Plan 08/01/2019 Revised Plan Issue Actual 16/11/2018

ABBREVIATION DOCUMENT NO. Master Document Index (MDI)

IFR = Issue For Approval | FA = Issue For Approval | FC = Issue For Construction | FI = Issue For Information | FI = Issue For Infor \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification TPSK-LSPA1-T-ME-00327 Transmittal no. Return Date Owner Cmmt\* ME OL1-2M06-1002 USC 36M FURNACE GENERAL ARRANGEMENT LONG Class 2 Purpose\*\* IFR Issue Plan 08/01/2019 Revised Plan 16/11/2018 Issue Actual TPSK-LSPA1-T-ME-00327 Transmittal no. Return Date Owner Cmmt\* ME OL1-2M06-1004 USC 36M FURNACE GENERAL ARRANGEMENT INSTRICIASS 2 Purpose\*\* Issue Plan 08/01/2019 Revised Plan Issue Actual 30/01/2019 Transmittal no TPSK-LSPA1-T-ME-00764 Return Date 21/02/2019 Owner Cmmt\* ME OL1-2M06-1005 USC 36M Recycle Furnace General Arrangement In Class Final Purpose\*\* IFR Α Issue Plan Revised Plan Issue Actual 30/01/2019 TPSK-LSPA1-T-ME-0076 Transmittal no Return Date 21/02/2019 Owner Cmmt\* ME OL1-2M06-1101 USC 36M FURNACE REFRACTORY & INSULATION RA Class 2 IFR Purpose\*\* Issue Plan 23/01/2019 Revised Plan Issue Actual 14/03/2019 TPSK-LSPA1-T-ME-0106 Return Date 02/04/2019 Owner Cmmt\* ME OL1-2M06-1102 USC 36M FURNACE REFRACTORY & INSULATION CO Class 2 IFR Issue Plan 23/01/2019 Revised Plan Issue Actual 14/03/2019 TPSK-LSPA1-T-ME-01065 Transmittal no. 02/04/2019 Return Date Owner Cmmt\* ME OL1-2M06-1103 USC 36M FURNACE INSULATION INSTALLATION DET Class 3 Purpose\*\* Issue Plan 10/08/2019 Revised Plan 14/03/2019 Issue Actual Transmittal no TPSK-LSPA1-T-ME-01065 Return Date 02/04/2019 Owner Cmmt ME OL1-2M06-1104 USC 36M FURNACE REFRACTORY AND INSULATION Class 3 IFR 23/01/2019 Issue Plan Revised Plan 14/03/2019 Issue Actual TPSK-LSPA1-T-ME-01065 Transmittal no. Owner Cmmt\* R2 ME OL1-2M06-1105 USC 36M FURNACE INSULATION DETAILS AT RADIAL Class 3 Purpose\*\* IFR Issue Plan 10/08/2019 Revised Plan 14/03/2019 Issue Actual TPSK-LSPA1-T-ME-0106 Return Date 02/04/2019 Owner Cmmt\* ME OL1-2M06-1106 USC 36M FURNACE PEEP DOOR INSERT DETAILS Class 3 IFR Purpose\*\* Α 10/08/2019 Issue Plan Revised Plan 14/03/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-ME-01065 02/04/2019 Owner Cmmt ME OL1-2M06-1108 USC 36M FURNACE DECOKE NOZZLE DETAILS Purpose\*\* IFR Issue Plan 10/08/2019 Revised Plan 14/03/2019 Issue Actual Transmittal no. Return Date 02/04/2019 Owner Cmmt\* R1 ME OL1-2M06-1201 USC 36M FURNACE RADIANT COIL ASSEMBLY AND I Class 2 IFR IMP Purpose\*\* Issue Plan 18/09/2018 Revised Plan Issue Actual 08/10/2018 13/12/2018 Transmittal no. TPSK-LSPA1-T-ME-00062 TPSK-LSPA1-T-ME-00486 Return Date 21/02/2019 16/01/2019 Owner Cmmt\* ME OL1-2M06-1202 USC 36M FURNACE TRANSFER LINE & CLEAN OUT D Class 2 Purpose\*\* IFR IMP Issue Plan 10/08/2019 Revised Plan 08/10/2018 13/12/2018 Issue Actual

ABBREVIATION Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information DOCUMENT NO. \*\*Revision Purpose of Issued Document LONG SON Master Document Index (MDI) IFR = Issue For Review A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification TPSK-LSPA1-T-ME-00062 TPSK-LSPA1-T-ME-00486 Transmittal no. Return Date 21/02/2019 16/01/2019 Owner Cmmt\* ME OL1-2M06-1203 USC 36M FURNACE RADIANT COIL TUBESKIN THERN Class 2 Purpose\*\* IFR IMP Issue Plan 18/09/2018 Revised Plan 08/10/2018 Issue Actual 13/12/2018 TPSK-LSPA1-T-ME-00062 TPSK-LSPA1-T-ME-00486 Transmittal no. Return Date 21/02/2019 16/01/2019 Owner Cmmt\* R1 ME OL1-2M06-1204 USC 36M FURNACE FABRICATION ASSEMBLY OF CO Class 2 Purpose\*\* Issue Plan 16/10/2018 Revised Plan Issue Actual 16/10/2018 13/02/2019 Transmittal no TPSK-LSPA1-T-ME-00182 TPSK-LSPA1-T-ME-00848 Return Date 07/03/2019 Owner Cmmt ME OL1-2M06-1301 USC 36M FURNACE CONVECTION CAST INTERMEDIA Class 3 Purpose\*\* IMP Issue Plan Revised Plan Issue Actual 07/11/2018 17/12/2018 TPSK-LSPA1-T-ME-00286 TPSK-LSPA1-T-ME-0052 Transmittal no Return Date Owner Cmmt\* ME OL1-2M06-1302 USC 36M FURNACE CONVECTION CAST INTERMEDIA Class 3 Purpose\*\* Issue Plan Revised Plan Issue Actual 07/11/2018 17/12/2018 Return Date Owner Cmmt\* ME OL1-2M06-1303 USC 36M FURNACE CONVECTION CAST INTERMEDIA Class 3 Purpose\*\* Α Issue Plan Revised Plan Issue Actual 09/04/2019 TPSK-LSPA1-T-ME-01290 Transmittal no. Return Date Owner Cmmt\* ME OL1-2M06-2001 USC 132SU FURNACE GENERAL ARRANGEMENT CRI Class 2 Purpose\*\* Issue Plan 08/01/2019 Revised Plan Issue Actual 16/11/2018 Transmittal no TPSK-LSPA1-T-ME-00328 Return Date Owner Cmmt ME OL1-2M06-2002 USC 132SU FURNACE GENERAL ARRANGEMENT LON Class 2 Rev. Issue Plan 08/01/2019 Revised Plan 16/11/2018 Issue Actual TPSK-LSPA1-T-ME-00328 Transmittal no. Owner Cmmt\* ME OL1-2M06-2004 USC 132SU FURNACE GENERAL ARRANGEMENT INS Class 2 Purpose\*\* IFR Issue Plan 08/01/2019 Revised Plan 30/01/2019 Issue Actual TPSK-LSPA1-T-ME-0076 Return Date 21/02/2019 Owner Cmmt\* ME OL1-2M06-2005 USC 132U Cracking Furnace General Arrangement Class Final IFR Purpose\*\* Α Issue Plan Revised Plan Issue Actual 30/01/2019 Transmittal no. TPSK-LSPA1-T-ME-00768 21/02/2019 Owner Cmmt ME OL1-2M06-2101 USC 132U FURNACE REFRACTORY & INSULATION RACIass 2 Purpose\*\* IFR Issue Plan 23/01/2019 Revised Plan 14/03/2019 Issue Actual Transmittal no. Return Date 02/04/2019 Owner Cmmt\* R1 ME OL1-2M06-2102 USC 132U FURNACE REFRACTORY & INSULATION CC Class 2 Purpose\*\* Issue Plan 23/01/2019 Revised Plan Issue Actual 14/03/2019 Transmittal no. TPSK-LSPA1-T-ME-01065 Return Date 02/04/2019 Owner Cmmt\* ME OL1-2M06-2103 USC 132U FURNACE INSULATION INSTALLATION DE Class 3 Purpose\*\* IFR Issue Plan 10/08/2019 Revised Plan 14/03/2019 Issue Actual

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification TPSK-LSPA1-T-ME-01065 Transmittal no. Return Date 02/04/2019 Owner Cmmt\* ME OL1-2M06-2104 USC 132U FURNACE REFRACTORY AND INSULATION Class 3 Purpose\*\* IFR Issue Plan 23/01/2019 Revised Plan 14/03/2019 Issue Actual TPSK-LSPA1-T-ME-01065 Transmittal no. Return Date 02/04/2019 Owner Cmmt\* R2 ME OL1-2M06-2105 USC 132U FURNACE INSULATION DETAILS AT RADIA Class 3 Purpose\*\* Issue Plan 10/08/2019 Revised Plan Issue Actual 14/03/2019 Transmittal no TPSK-LSPA1-T-ME-01065 Return Date 02/04/2019 Owner Cmmt\* ME OL1-2M06-2106 USC 132U FURNACE PEEP DOOR INSERT DETAILS Class 3 Purpose\*\* IFR Issue Plan 10/08/2019 Revised Plan Issue Actual 14/03/2019 TPSK-LSPA1-T-ME-0106 Transmittal no Return Date 02/04/2019 Owner Cmmt\* R1 ME OL1-2M06-2108 USC 132U FURNACE DECOKE NOZZLE DETAILS Class 3 IFR Purpose\*\* Issue Plan 10/08/2019 Revised Plan Issue Actual 14/03/2019 TPSK-LSPA1-T-ME-0106 Return Date 02/04/2019 Owner Cmmt\* ME OL1-2M06-2201 USC 132U FURNACE RADIANT COIL ASSEMBLY AND Class 2 IFR IMP Purpose\*\* Issue Plan 18/09/2018 Revised Plan Issue Actual 08/10/2018 13/12/2018 TPSK-LSPA1-T-ME-00062 TPSK-LSPA1-T-ME-00486 Transmittal no. 21/02/2019 16/01/2019 Return Date Owner Cmmt\* ME OL1-2M06-2202 USC 132U FURNACE TRANSFER LINE & CLEAN OUT I Class 2 IMP IFR Purpose\*\* Issue Plan 10/08/2019 Revised Plan 08/10/2018 Issue Actual 13/12/2018 Transmittal no TPSK-LSPA1-T-ME-00062 TPSK-LSPA1-T-ME-00486 Return Date 21/02/2019 16/01/2019 Owner Cmmt ME OL1-2M06-2203 USC 132U FURNACE RADIANT COIL TUBESKIN THER Class 2 IFR IMP 18/09/2018 Issue Plan Revised Plan 08/10/2018 Issue Actual 13/12/2018 TPSK-LSPA1-T-ME-00486 TPSK-LSPA1-T-ME-00062 Transmittal no. 21/02/2019 Return Date Owner Cmmt\* R1 R1 ME OL1-2M06-2204 USC 132U FURNACE FABRICATION ASSEMBLY OF CC Class 2 Purpose\*\* IFR IMP Issue Plan 16/10/2018 Revised Plan 16/10/2018 13/02/2019 Issue Actual TPSK-LSPA1-T-ME-00182 TPSK-LSPA1-T-ME-00848 Return Date 07/03/2019 Owner Cmmt\* R1 ME OL1-2M06-2207 DILUTION STEAM MIXING TEE DRAWING Purpose\*\* 0 Issue Plan Revised Plan Issue Actual 23/01/2019 Transmittal no. TPSK-LSPA1-T-ME-00669 Owner Cmmt ME OL1-2M06-2301 USC 132SU FURNACE CONVECTION CAST INTERMED Class 3 Purpose\*\* IFI IMP 0 Issue Plan Revised Plan 08/11/2018 17/12/2018 Issue Actual TPSK-LSPA1-T-ME-00289 TPSK-LSPA1-T-ME-0052 Transmittal no. Return Date Owner Cmmt\* ME OL1-2M06-2302 USC 132SU FURNACE CONVECTION CAST INTERMED Class 3 Purpose\*\* IMP 0 Issue Plan Revised Plan Issue Actual 08/11/2018 17/12/2018 Transmittal no. TPSK-LSPA1-T-ME-00289 TPSK-LSPA1-T-ME-00520 Return Date Owner Cmmt\* ME OL1-2M06-2303 USC 132SU FURNACE CONVECTION CAST INTERMED Class 3 Purpose\*\* Issue Plan Revised Plan 09/04/2019 Issue Actual

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 IFA = Issue For Approval
IFC = Issue For Construction
IFI = Issue For Information A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification TPSK-LSPA1-T-ME-01291 Transmittal no. Return Date Owner Cmmt\* ME OL1-2M06-2554 FURNACE PEEP DOOR DETAILS (RIGHT HAND) Class 3 Purpose\*\* Issue Plan Revised Plan Issue Actual 04/12/2018 TPSK-LSPA1-T-ME-00422 Transmittal no. Return Date Owner Cmmt\* Category Code: M07 Mechanical certification, inspection and test record
Category Code: M20 Static Equipment Datasheet
Category Code: M21 Rotating Machinery Datasheet
Category Code: M22 Package Unit-Datasheet
Category Code: M71 Appraisal Report for Consultancy Service
Category Code: M72 Appraisal Report for EPC Contractor Work
Category Code: M72 Appraisal Report for EPC Contractor Work Purpose\*\* Issue Plan Revised Plan Issue Actual Transmittal no. Category Code: M73 Appraisal Report for Vendor/Supplier Return Date Category Code: M90 Vendor Document/drawings
Category Code: M91 Index/List Owner Cmmt\* ME OL1-2M91-0001 Item Index Class Final IFR Purpose\*\* Issue Plan Revised Plan Issue Actual Transmittal no TPSK-I SPA1-T-MF-01080 Return Date 05/04/2019 Owner Cmmt ME OL1-2M91-0002 Item Index Furnace Island Class Final Purpose\*\* IFR Α Issue Plan Revised Plan Issue Actual 15/03/2019 TPSK-LSPA1-T-ME-01080 Transmittal no. Return Date 05/04/2019 Owner Cmmt\* ME OL1-2M91-1001 Approved Vendor List for 36M and 132U Furnace Class Final Purpose\*\* IMP Issue Plan Revised Plan 23/10/2018 Issue Actual TPSK-LSPA1-T-ME-00211 Transmittal no Return Date Owner Cmmt\* Category Code: M92 Procedures & Standards

ME OL1-2M92-2001 SPECIFICATION FOR CENTRIFUGALLY CAST TUBE FO Class 2 Purpose\*\* IMP 0 Issue Plan Revised Plan Issue Actual 11/12/2018 TPSK-LSPA1-T-ME-00470 Transmittal no Return Date Owner Cmmt\* ME OL1-2M92-2002 SPECIFICATION FOR STATICALLY CAST FITTINGS FOR Class 2 IMP Purpose\*\* Issue Plan Revised Plan 11/12/2018 Issue Actual Transmittal no TPSK-LSPA1-T-ME-00471 Return Date Owner Cmmt ME OL1-2M92-2003 SPECIFICATION FOR CAST INTERMEDIATE TUBE SUP Class 3 Purpose\*\* IMP Rev. 0 Issue Plan Issue Actual 26/10/2018 17/12/2018 TPSK-LSPA1-T-ME-00232 TPSK-LSPA1-T-ME-0051 Transmittal no. Return Date Owner Cmmt\* ME OL1-2M92-2004 SPECIFICATION FOR FABRICATION OF CONVECTION Class 2 IFR Purpose\*\* Issue Plan 07/09/2018 Revised Plan Issue Actual Transmittal no TPSK-LSPA1-T-MF-00842 Return Date 07/03/2019 Owner Cmmt\* R1 ME OL1-2M92-2005 SPECIFICATION FOR SUPPLY & INSTALLATION OF CE Class 2 IFR Purpose\*\* Issue Plan 31/01/2019 Revised Plan 12/02/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-ME-00842 07/03/2019 Return Date Owner Cmmt\* ME OL1-2M92-2006 SPECIFICATION FOR SUPPLY & INSTALLATION OF RE Class 2 Purpose\*\* IFR Issue Plan 31/01/2019 Revised Plan 12/02/2019 Issue Actual Transmittal no TPSK-LSPA1-T-ME-00842 Return Date 07/03/2019 Owner Cmmt ME OL1-2M92-2007 SPECIFICATION FOR SLE / USX QUENCH EXCHANGER Class 2 Purpose\*\* Issue Plan

ABBREVIATION DOCUMENT NO. \*Owner Feedback (Comment) \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information R1 = No comments R2 = Comments as noted Master Document Index (MDI) IFR = Issue For Review IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation A1 = App. w/o comments LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days **Document Name** Classification Revised Plan 05/12/2018 Issue Actual TPSK-LSPA1-T-ME-00427 Return Date Owner Cmmt\* ME OL1-2M92-2008 SPECIFICATION FOR TLX EXCHANGERS IMP Class 2 Purpose\*\* Issue Plan Revised Plan 05/12/2018 Issue Actual Transmittal no TPSK-LSPA1-T-ME-00428 Return Date Owner Cmmt\* ME OL1-2M92-2009 SPECIFICATION FOR BURNERS Purpose\*\* IFR IMP Issue Plan 25/10/2018 Revised Plan 22/01/2019 Issue Actual TPSK-LSPA1-T-PE-00231 TPSK-LSPA1-T-ME-00698 Transmittal no Return Date 14/11/2018 14/02/2019 Owner Cmmt\* R1 ME OL1-4M92-2001 Project Specification for Centrifugally Cast Tubes fe Class Final IFR Purpose\*\* Issue Plan 26/10/2018 Issue Actual 10/09/2018 Transmittal no TPSK-LSPA1-T-ME-00037 Return Date 25/09/2018 Owner Cmmt ME OL1-4M92-2002 Project Specification for Statically Cast Fittings for Class Final IFR Issue Plan 26/10/2018 Revised Plan 10/09/2018 Issue Actual TPSK-LSPA1-T-ME-00037 Transmittal no Return Date 25/09/2018 Owner Cmmt\* R2 ME OL1-4M92-2007 Project Specification For SLE and USX Exchangers Purpose\*\* Issue Plan 20/09/2018 Revised Plan Issue Actual Transmittal no TPSK-LSPA1-T-ME-0006 Return Date 12/10/2018 Owner Cmmt ME OL1-4M92-2008 Project Specification For Transfer Line Exchangers Class Final Purpose\*\* IFR Issue Plan 20/09/2018 Revised Plan Issue Actual 20/09/2018 TPSK-LSPA1-T-ME-0006 Return Date Owner Cmmt\* R2 Category Code: M93 Policy, Guidelines & Memo
Category Code: M94 Forms & Templates
Category Code: M95 Progress/Status Reports
Category Code: M96 Spare part list for construction/precommissioning/commis
Category Code: M97 Spare Part List for Maintenance During First Two Years Ope Category Code: M98 Special tools books Category Code: M99 Other Category Code: 001 Precommissioning Plan and Schedule
Category Code: 002 Commissioning Plan and Schedule
Category Code: 003 Startup Plan and Schedule Category Code: 004 Performance Test Plan and Schedule
Category Code: 005 Production Plan Issue Plan Purpose\*\* Category Code: O11 Operating Condition Calculation Category Code: O12 Product Quality Calculation
Category Code: O20 Precommissioning Form and Checksheet
Category Code: O21 Commissioning Form and Checksheet Issue Plan Revised Plan Class 2 Purpose\*\* Category Code: 023 Coperation Form and Checksheet
Category Code: 023 Equipment Patrol Checksheet
Category Code: 051 Appraisal Report for Consultancy Service Issue Plan Revised Plan Category Code: O52 Appraisal Report for EPC Contractor Work
Category Code: O53 Appraisal Report for Vendor/Supplier
Category Code: O60 Precommissioning Record and Report Issue Actual Transmittal no Return Date Category Code: O61 Commissioning Record and Report
Category Code: O62 Startup, Shutdown and Emergency Shutdown Record and Re
Category Code: O63 Plant performance Test and record Owner Cmmt\* Category Code: 064 Operation Record and Report Production Record,Report
Category Code: 065 Troubleshooting Record, Report
Category Code: 065 Troubleshooting Record, Report
Category Code: 066 Modification Record,Report
Category Code: 067 List of set point and controller parameter
Category Code: 070 Precommissioning Procedure
Category Code: 071 Commissioning Procedure Class 2 Purpose\*\* PE OL1-2071-0023 CUO 110 - JOB START UP SPECIF.FOR MTL PRESERV Class 2 Purpose\*\* IFR 31/03/2019 Issue Plan Revised Plan 18/03/2019 TPSK-LSPA1-T-PE-0109 Issue Actual Transmittal no. Return Date Owner Cmmt\* Category Code: O72 Startup, Shutdown and Emergency Shutdown Procedure
Category Code: O73 Plant performance Test procedure
Category Code: O74 Tag-in Tag-out/Lock-out Tag-out Procedure Purpose\*\* Issue Plan Category Code: O75 Operation Work instruction Revised Plan

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Period for Company's comment Working Days Document Name Classification Class 3 Purpose\*\* Purpose\*\* Category Code: 093 Policy , Guidelines & Memo Category Code: 094 Forms & Templates Category Code: 095 Progress/Status Reports Issue Plan Revised Plan Issue Actual Category Code: P03 Piping datasheet
Category Code: P04 Piping design basic / philosophy / logic diagram
Category Code: P05 Piping calculation sheet / report Class 1 Purpose\*\* MP OL1-2P05-0041 Loads On Rack 10-PRK-0P01 lass Final Purpose\*\* IBD Rev. Α Issue Plan Revised Plan Issue Actual 02/04/2019 TPSK-LSPA1-T-MP-01228 Transmittal no. Return Date Owner Cmmt\* Category Code: P06 Piping drawing Class 3 Purpose\*\* MP OL1-2P06-0001 GENERAL PLOT PLAN IFR Purpose\*\* Class 1 Issue Plan 19/03/2019 Revised Plan Issue Actual 15/02/2019 Transmittal no TPSK-LSPA1-T-MP-00871 15/03/2019 Owner Cmmt MP OL1-2P06-0002 DETAIL PLOT PLAN METERING STATION Class 1 Purpose\*\* IFR Issue Plan 19/03/2019 Revised Plan 15/02/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-MP-00871 Return Date 15/03/2019 Owner Cmmt\* MP OL1-2P06-0003 DETAIL PLOT-PLAN MAIN PIPE RACK IFR Purpose\*\* Issue Plan 19/03/2019 Revised Plan Issue Actual 15/02/2019 Transmittal no TPSK-LSPA1-T-MP-00871 Return Date 15/03/2019 Owner Cmmt MP OL1-2P06-0004 DETAIL PLOT-PLAN ELECTRICAL SUB-STATION & FAR Class 1 Purpose\*\* IFR Issue Plan 19/03/2019 Revised Plan Issue Actual 15/02/2019 TPSK-LSPA1-T-MP-00871 Transmittal no Return Date 15/03/2019 Owner Cmmt\* MP OL1-2P06-0005 DETAIL PLOT PLAN FURNACES IFR Purpose\*\* Issue Plan 19/03/2019 Revised Plan 15/02/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-MP-00871 Return Date 15/03/2019 Owner Cmmt MP OL1-2P06-0006 DETAIL PLOT PLAN FURNACES AND AUXILIARIES Class 1 Purpose\*\* IFR Rev. Α Issue Plan 19/03/2019 Revised Plan 07/03/2019 Issue Actual TPSK-LSPA1-T-MP-01003 Transmittal no 01/04/2019 Owner Cmmt\* MP OL1-2P06-0007 DETAIL PLOT PLAN QUENCH Purpose\*\* IFR Issue Plan 19/03/2019 Revised Plan Issue Actual 15/02/2019 Transmittal no TPSK-I SPA1-T-MP-00871 Return Date 15/03/2019 Owner Cmmt MP OL1-2P06-0008 DETAIL PLOT PLAN C3 HYDROGENATION Purpose\*\* IFR Issue Plan 19/03/2019 Revised Plan Issue Actual TPSK-LSPA1-T-MP-00871 Transmittal no. Return Date 15/03/2019 Owner Cmmt\* MP OL1-2P06-0009 DETAIL PLOT PLAN HOT FRACTIONATION / GHU UNI Class 1 Purpose\*\* IFR 19/03/2019 Issue Plan Revised Plan 15/02/2019 Issue Actual TPSK-LSPA1-T-MP-00871 Return Date 15/03/2019 Owner Cmmt MP OL1-2P06-0010 DETAIL PLOT PLAN PROCESS COLD COMPRESSORS Class 1 IFR Purpose\*\* Α 19/03/2019 Issue Plan Revised Plan Issue Actual 15/02/2019 Transmittal no. TPSK-LSPA1-T-MP-00871

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval Class 2 = For Review Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days **Document Name** Classification Return Date 15/03/2019 R2 Owner Cmmt\* MP OL1-2P06-0011 DETAIL PLOT PLAN CRACKED GAS COMPRESSOR / D Class 1 IFR Α Issue Plan 19/03/2019 Revised Plan Issue Actual TPSK-LSPA1-T-MP-00871 Transmittal no. Return Date 15/03/2019 Owner Cmmt\* MP OL1-2P06-0012 DETAIL PLOT PLAN BUTADIENE EXTRACTION UNIT Class 1 Purpose\*\* IFR Issue Plan 19/03/2019 Revised Plan Issue Actual 15/02/2019 Transmittal no. TPSK-LSPA1-T-MP-00871 Return Date 15/03/2019 Owner Cmmt\* MP OL1-2P06-0013 DETAIL PLOT-PLAN ELECTRICAL SUB-STATION & FAR Class 1 IFR Purpose\*\* Issue Plan 19/03/2019 Revised Plan Issue Actual 15/02/2019 Transmittal no TPSK-LSPA1-T-MP-00871 15/03/2019 Owner Cmmt MP OL1-2P06-0014 DETAIL PLOT PLAN FLARE UNIT Class 1 Purpose\*\* IFR Issue Plan 19/03/2019 Revised Plan 12/03/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-MP-01031 Return Date 01/04/2019 Owner Cmmt MP OL1-2P06-0015 DETAIL PLOT PLAN COOLING WATER UNIT IFR Purpose\*\* Issue Plan 19/03/2019 Issue Actual 15/02/2019 Transmittal no TPSK-LSPA1-T-MP-00871 Return Date 15/03/2019 Owner Cmmt MP OL1-2P06-0016 DETAIL PLOT PLAN UTILITIES Class 1 Purpose\*\* IFR Issue Plan 19/03/2019 Revised Plan Issue Actual 15/02/2019 TPSK-LSPA1-T-MP-00871 Transmittal no Return Date 15/03/2019 Owner Cmmt MP OL1-2P06-0017 DETAIL PLOT PLAN WASTE WATER TREATMENT UNI Class 1 IFR Purpose\*\* Issue Plan 19/03/2019 Revised Plan Issue Actual Transmittal no. TPSK-LSPA1-T-MP-00871 Return Date 15/03/2019 Owner Cmmt\* Category Code: P07 Piping certification, inspection and test record Purpose\*\* Category Code: P08 Piping Material Take-off (MTO) Category Code: P09 Painting Material Take-off (MTO)
Category Code: P10 Insulation Material Take-off (MTO)
Category Code: P20 Aboveground Piping General Arrangement Drawings Issue Plan Revised Plan Class 3 Category Code: P21 Underground Piping General Arrangement Drawings
Category Code: P22 Aboveground Piping Isometric Drawings Purpose\* Category Code: P23 Underground Piping Isometric Drawings Issue Plan Category Code: P25 Pipe support drawing

MP OL1-2P25-0085 Standard Auxiliary Piping Support Collection Revised Plan Purpose\* Α Issue Plan Revised Plan Issue Actual 20/02/2019 Transmittal no. TPSK-LSPA1-T-MP-00896 05/04/2019 Owner Cmmt\* R2 Category Code: P30 3D Model Review File MP OL1-2P30-0014 Model Review Report Furnace Island Action List 30 Class Final IFR Purpose\*\* Α Issue Plan Revised Plan 11/04/2019 Issue Actual TPSK-LSPA1-T-MP-0133: Transmittal no Return Date Owner Cmm Category Code: P71 Appraisal Report for Consultancy Service
Category Code: P72 Appraisal Report for EPC Contractor Work Purpose\*\* Category Code: P73 Appraisal Report for Vendor/Supplier
Category Code: P90 Vendor Document/drawings
Category Code: P91 Index/List Issue Plan Revised Plan Issue Actual MP OL1-2P91-1101 LINE DESIGNATION TABLE - FURNACE AREA IBD Purpose\*\* Issue Plan 15/02/2019 Revised Plan Issue Actual Transmittal no TPSK-LSPA1-T-PE-00933

Return Date

ABBREVIATION DOCUMENT NO. \*Owner Feedback (Comment)

R1 = No comments
d R2 = Comments as noted \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval Class 2 = For Review Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation A1 = App. w/o comments LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days **Document Name** Classification Owner Cmmt\* MP OL1-2P91-1201 LINE DESIGNATION TABLE - FURNACE AREA IBD Purpose\*\* Issue Plan 15/02/2019 Revised Plan 26/02/2019 Issue Actual Transmittal no TPSK-LSPA1-T-PE-0093 Return Date Owner Cmmt Category Code: P92 Procedures & Standards Class 3 Purpose\*\* MP OL1-2P92-0002 Piping Design Standard Drawings Class Final Purpose\*\* IFR CAN Issue Plan Revised Plan 16/11/2018 Issue Actual 08/08/2018 Transmittal no TPSK-LSPA1-T-MP-00012 TPSK-LSPA1-T-MP-00325 Return Date 26/09/2018 07/12/2018 Owner Cmmt\* MP OL1-2P92-0003 Piping Construction Drawing IFR CAN Purpose\*\* Α Issue Plan Revised Plan Issue Actual 08/08/2018 16/11/2018 Transmittal no TPSK-LSPA1-T-MP-00012 TPSK-LSPA1-T-MP-00325 26/09/2018 07/12/2018 Owner Cmmt Α4 MP OL1-2P92-0007 CONSTRUCTION SPECIFICATION FOR PIPING PREFAI Class 2 Purpose\*\* IFR Issue Plan 16/04/2019 Revised Plan 25/02/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-MP-00917 Return Date Owner Cmmt MP OL1-2P92-0008 HYDROSTATIC LEAK TESTING FOR PIPING SYSTEMS IFR Purpose\*\* Issue Plan 16/04/2019 Revised Plan Issue Actual 25/03/2019 Transmittal no TPSK-LSPA1-T-MP-01136 Return Date 11/04/2019 Owner Cmmt Category Code: P93 Policy, Guidelines & Memo Category Code: P94 Forms & Templates Category Code: P95 Progress/Status Reports Category Code: Q07 Quality Audit Reports Class 2 Purpose\*\* Issue Plan Revised Plan Category Code: Q10 QC Record and Report for Civil work (Engineerig and Proc Issue Actual Category Code: Q11 QC Record and Report for Building work (Engineerig and Pr Transmittal no. Category Code: Q12 QC Record and Report for Steel Structure work (Engineering Return Date Category Code: Q13 QC Record and Report for Mechanical work (Engineerig and Category Code: Q14 QC Record and Report for Piping work (Engineerig and Proc Category Code: Q15 QC Record and Report for Fire Fighting work (Engineerig and Proc Category Code: Q15 QC Record and Report for Fire Fighting work (Engineerig and Proc Category Code: Q15 QC Record and Report for Fire Fighting work (Engineerig and Proc Category Code: Q15 QC Record and Report for Fire Fighting work (Engineerig and Proc Category Code: Q15 QC Record and Report for Fire Fighting work (Engineerig and Proc Category Code: Q15 QC Record and Report for Fire Fighting work (Engineerig and Proc Category Code: Q15 QC Record and Report for Fire Fighting work (Engineerig and Proc Category Code: Q15 QC Record and Report for Fire Fighting work (Engineerig and Proc Category Code: Q15 QC Record and Report for Fire Fighting work (Engineerig and Proc Category Code: Q15 QC Record and Report for Fire Fighting work (Engineerig and Proc Category Code: Q15 QC Record and Report for Fire Fighting work (Engineerig and Proc Category Code: Q15 QC Record and Report for Fire Fighting work (Engineerig and Proc Category Code: Q15 QC Record and Report for Fire Fighting work (Engineerig and Proc Category Code: Q15 QC Record and Proc Cat Owner Cmmt\* Category Code: Q16 QC Record and Report for Electrical work (Engineerig and P Category Code: Q17 QC Record and Report for Instrumentation work (Engineeri Category Code: Q20 QC Record and Report for Civil work (construction) QM OL1-2Q20-0001 Quality Control Plan Civil Works-Fencing Class Final Purpose\*\* IFR Α Issue Plan Revised Plan 13/12/2018 TPSK-LSPA1-T-QM-00488 Issue Actual Transmittal no Return Date 25/02/2019 Owner Cmmt\* A3 QM OL1-2Q20-0002 Quality Control Plan Civil Works-Bored Cast In Situ Class Final Purpose\*\* Issue Plan Revised Plan Issue Actual 11/01/2019 Transmittal no TPSK-LSPA1-T-QM-0062 Return Date 27/02/2019 Owner Cmmt A3 QM OL1-2Q20-0003 Quality Control Plan Civil Works-Conti Purpose\*\* IFR Α Issue Plan Revised Plan Issue Actual 11/01/2019 TPSK-LSPA1-T-QM-00625 Transmittal no. Return Date 27/02/2019 Owner Cmmt QM OL1-2Q20-0004 Quality Control Plan Civil Works-Concrete Precast Class Final IFR Purpose\*\* Issue Plan Revised Plan 11/01/2019 Issue Actual Transmittal no TPSK-LSPA1-T-QM-00625 Return Date 27/02/2019 Owner Cmmt QM OL1-2Q20-0005 Quality Control Plan Civil Works-Earth Moving Class Final Purpose\*\* IFR Α Issue Plan Revised Plan Issue Actual 11/01/2019 TPSK-LSPA1-T-QM-0062 Transmittal no. 27/02/2019 Owner Cmmt\*

Purpose\*\*

QM OL1-2Q20-0006 Quality Control Plan Civil Works-Asphalt Roads An Class Final

ABBREVIATION Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information DOCUMENT NO. Master Document Index (MDI)

IFR = Issue For Approval | FA = Issue For Approval | FC = Issue For Construction | FI = Issue For Information | FI = Issue For Infor LONG SON \*\*Revision Purpose of Issued Document A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification Α Issue Plan Revised Plan Issue Actual 11/01/2019 Transmittal no. TPSK-LSPA1-T-QM-00625 Return Date 27/02/2019 Owner Cmmt\* QM OL1-2Q20-0007 Quality Control Plan U-G Civil Works-Sewers IFR Class Final Purpose\*\* Α Issue Plan Revised Plan 11/01/2019 Issue Actual TPSK-LSPA1-T-QM-0062 Return Date 27/02/2019 Owner Cmmt QM OL1-2Q20-0008 Quality Control Plan Non Metallic Pressure Piping Class Final Purpose\*\* IFR Α Issue Plan Revised Plan 11/01/2019 Issue Actual TPSK-LSPA1-T-QM-00625 Transmittal no. Owner Cmmt\* QM OL1-2Q20-0009 Quality Control Plan Civil Works-Reinforced Concr Class Final Purpose\*\* IFR Α Issue Plan Revised Plan 28/01/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-QM-0072 Return Date 27/02/2019 Owner Cmmt\* QM OL1-2Q20-0010 Quality Control Plan Civil Works-Prefabrication of Class Final Purpose\*\* IFR Α Issue Plan Revised Plan Issue Actual 28/01/2019 Transmittal no TPSK-LSPA1-T-QM-00729 27/02/2019 Return Date Owner Cmmt\* QM OL1-2Q20-0011 Quality Control Plan Precast Pipe-Rack Erection Class Final Purpose\*\* IFR Α Issue Plan Revised Plan 28/01/2019 Issue Actual TPSK-LSPA1-T-QM-0072 Transmittal no Return Date 27/02/2019 Owner Cmmt\* A3 QM OL1-2Q20-0012 Quality Control Plan Civil Works-Tank Rings Found Class Final IFR Purpose\*\* Issue Plan Issue Actual 28/01/2019 Transmittal no. TPSK-LSPA1-T-QM-0072 Return Date 27/02/2019 Owner Cmmt\* QM OL1-2Q20-0013 Quality Control Plan Above Ground Civil Works- Cc Class Final IFR Α Issue Plan Revised Plan Issue Actual 28/01/2019 TPSK-LSPA1-T-QM-00729 Transmittal no Return Date 27/02/2019 Owner Cmmt\* A3 QM OL1-2Q20-0014 Quality Control Plan Civil Works-Rigid Paving Class Final Purpose\*\* Issue Plan Revised Plan Issue Actual Transmittal no. TPSK-LSPA1-T-QM-0072 Return Date 27/02/2019 Owner Cmmt\* A3 QM OL1-2Q20-0015 Quality Control Plan U-G Civil Works-Installation o Class Final Purpose\*\* IFR Α Issue Plan Revised Plan Issue Actual 28/01/2019 TPSK-LSPA1-T-QM-00729 Transmittal no. Return Date 27/02/2019 Owner Cmmt\* IFR QM OL1-2Q20-0016 Quality Control Plan Civil Works-Concrete Structu Class Final Purpose\*\* Issue Plan Revised Plan Issue Actual 28/01/2019 Transmittal no TPSK-LSPA1-T-QM-00729 Return Date 27/02/2019 Owner Cmmt QM OL1-2Q20-0017 Quality Control Plan Civil Works-Fire Proofing Class Final Purpose\*\* IFR Α Issue Plan Revised Plan 28/01/2019 TPSK-LSPA1-T-QM-00729 Issue Actual Transmittal no Return Date 27/02/2019 Owner Cmmt\* QM OL1-2Q20-0018 Quality Control Plan Civil Works-Grouting Class Final Purpose\*\*

ABBREVIATION Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information DOCUMENT NO. \*\*Revision Purpose of Issued Document LONG SON Master Document Index (MDI)

| FR = Issue For Review | IFA = Issue For Approval | IFC = Issue For Construction | IFC = Issue For Construction | IFC = Issue For Information | IFC = Issue A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification Α Issue Plan Revised Plan Issue Actual 28/01/2019 Transmittal no. TPSK-LSPA1-T-QM-0072 Return Date 27/02/2019 Owner Cmmt\* QM OL1-2Q20-0019 Quality Control Plan Concrete Protective Coating Class Final IFR Purpose\*\* Α Issue Plan Revised Plan 28/01/2019 Issue Actual TPSK-LSPA1-T-QM-0072 Return Date 27/02/2019 Owner Cmmt\* Category Code: Q21 QC Record and Report for Building work (construction)
Category Code: Q22 QC Record and Report for Steel Structure work (construction) QM OL1-2Q22-0001 Quality Control Plan Steel Structures Erection Class Final IFR Purpose\*\* Α Issue Plan Revised Plan Issue Actual Transmittal no TPSK-LSPA1-T-QM-00729 Return Date 27/02/2019 Owner Cmm QM OL1-2Q22-0002 Quality Control Plan Secondary Steel Structures Er Class Final IFR Α Issue Plan Revised Plan Issue Actual 28/01/2019 TPSK-LSPA1-T-QM-0073 Transmittal no. Return Date 18/03/2019 Owner Cmmt\* Category Code: Q23 QC Record and Report for Mechanical work (construction) QM OL1-2Q23-0001 Quality Control Plan Fixed Roof Tanks Erection Class Fina Purpose\*\* IFR Α Issue Plan Revised Plan Issue Actual 27/02/2019 Transmittal no TPSK-LSPA1-T-QM-00942 Return Date Owner Cmmt QM OL1-2Q23-0002 Quality Control Plan Floating Roof Tanks Erection Class Final Purpose\*\* IFR Α Issue Plan Revised Plan Issue Actual TPSK-LSPA1-T-QM-0094 Transmittal no Return Date Owner Cmmt\* QM OL1-2Q23-0003 Quality Control Plan Cryogenic Tanks Erection Class Final IFR Purpose\*\* Issue Plan Revised Plan 27/02/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-QM-0094 Return Date Owner Cmmt\* QM OL1-2Q23-0006 Quality Control Plan Static Equipment Installation Class Final IFR Α Issue Plan Revised Plan 08/03/2019 Issue Actual TPSK-LSPA1-T-QM-01011 Transmittal no. 01/04/2019 Owner Cmmt\* QM OL1-2Q23-0007 Quality Control Plan Package Furnace - Site Assemb Class Final IFR Purpose\*\* Issue Plan Revised Plan Issue Actual 08/03/2019 Transmittal no TPSK-I SPA1-T-OM-01011 Return Date 01/04/2019 Owner Cmmt QM OL1-2Q23-0008 Quality Control Plan Flare System Erection Purpose\*\* IFR Α Issue Plan Revised Plan Issue Actual 08/03/2019 TPSK-LSPA1-T-QM-0101: Transmittal no. Return Date 01/04/2019 Owner Cmmt\* QM OL1-2Q23-0009 Quality Control Plan Refractory Installation IFR Class Final Purpose\*\* Issue Plan Revised Plan Issue Actual 08/03/2019 TPSK-LSPA1-T-QM-01011 Return Date 01/04/2019 Owner Cmmt QM OL1-2Q23-0010 Quality Control Plan Machinery Installation - Cent Class Fina IFR Purpose\*\* Α Issue Plan Revised Plan Issue Actual 08/03/2019 Transmittal no. TPSK-LSPA1-T-QM-01011

ABBREVIATION \*\*\*Classification
Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information DOCUMENT NO. Master Document Index (MDI)

| IFR = Issue For Review | IFA = Issue For Approval | IFC = Issue For Construction | IFC = Issue For Construction | IFC = Issue For Construction | IFC = Issue For Planning | IFC = I LONG SON \*\*Revision Purpose of Issued Document A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days **Document Name** Classification Return Date 01/04/2019 Owner Cmmt\* A3 QM OL1-2Q23-0011 Quality Control Plan Machinery Installation - Blow Class Final IFR Α Issue Plan Revised Plan Issue Actual 08/03/2019 Transmittal no. TPSK-LSPA1-T-QM-0101 Return Date 01/04/2019 Owner Cmmt\* QM OL1-2Q23-0012 Quality Control Plan Machinery Installation - Cent Class Final Purpose\*\* IFR Issue Plan Revised Plan 08/03/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-QM-0101: Return Date 01/04/2019 Owner Cmmt\* QM OL1-2Q23-0013 Quality Control Plan Machinery Installation - Recip Class Final IFR Purpose\*\* Α Issue Plan Revised Plan Issue Actual 08/03/2019 Transmittal no TPSK-LSPA1-T-QM-0101 01/04/2019 Owner Cmmt QM OL1-2Q23-0014 Quality Control Plan Machinery Installation - Mixe Class Final Purpose\*\* IFR Α Issue Plan Revised Plan 08/03/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-QM-0101 Return Date 01/04/2019 Owner Cmmt\* QM OL1-2Q23-0015 Quality Control Plan Elevator Installation Purpose\*\* Α Issue Plan Revised Plan Issue Actual 08/03/2019 Transmittal no TPSK-LSPA1-T-QM-01013 Return Date 01/04/2019 Owner Cmmt QM OL1-2Q23-0016 Quality Control Plan Equipment Internals Installat Class Final Purpose\*\* IFR Issue Plan Revised Plan Issue Actual 08/03/2019 TPSK-LSPA1-T-QM-0101 Transmittal no Return Date Owner Cmmt\* QM OL1-2Q23-0017 Quality Control Plan Equipment Internals Installat Class Final IFR Purpose\*\* Issue Plan Revised Plan 08/03/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-QM-0101 Return Date 01/04/2019 Owner Cmmt\* QM OL1-2Q23-0018 Quality Control Plan Air Coolers Installation Class Final IFR Α Issue Plan Revised Plan Issue Actual 19/03/2019 TPSK-LSPA1-T-QM-01091 Transmittal no Owner Cmmt\* QM OL1-2Q23-0019 Quality Control Plan Cooling Tower Mechanical In Class Final IFR Purpose\*\* Issue Plan Revised Plan Issue Actual 08/03/2019 Transmittal no TPSK-I SPA1-T-OM-01011 Return Date 01/04/2019 Owner Cmmt QM OL1-2Q23-0020 Quality Control Plan Packages Installation Purpose\*\* IFR Α Issue Plan Issue Actual 08/03/2019 TPSK-LSPA1-T-QM-0101: Transmittal no. Return Date 01/04/2019 Owner Cmmt\* QM OL1-2Q23-0021 Quality Control Plan Skid Mounted Packages Class Final Purpose\*\* IFR Issue Plan Revised Plan Issue Actual 08/03/2019 TPSK-LSPA1-T-QM-01011 Return Date 01/04/2019 Owner Cmmt QM OL1-2Q23-0022 Quality Control Plan Bridge Crane Installation IFR Purpose\*\* Α Issue Plan Revised Plan Issue Actual 08/03/2019 Transmittal no. TPSK-LSPA1-T-QM-01011

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days **Document Name** Classification Return Date 01/04/2019 Owner Cmmt\* A3 Category Code: Q24 QC Dossier for Piping work (construction) QM OL1-2Q24-0001 Quality Control Plan Piping Prefabrication Class Final Purpose\*\* IFR Α Issue Plan Revised Plan Issue Actual 28/01/2019 TPSK-LSPA1-T-QM-0073 Transmittal no. Return Date 05/04/2019 Owner Cmmt\* A3 QM OL1-2Q24-0002 Quality Control Plan Piping Support Prefabrication Class Final Purpose\*\* Issue Plan Revised Plan Issue Actual 28/01/2019 Transmittal no TPSK-LSPA1-T-QM-0073 Return Date 05/04/2019 Owner Cmmt QM OL1-2Q24-0003 Quality Control Plan Piping Erection - Above & Und Class Final Purpose\*\* IFR Α Issue Plan Revised Plan Issue Actual 28/01/2019 TPSK-LSPA1-T-QM-00 Transmittal no Return Date 05/04/2019 Owner Cmmt\* A3 QM OL1-2Q24-0004 Quality Control Plan Piping Support Erection Class Final IFR Purpose\*\* Issue Plan Revised Plan Issue Actual 28/01/2019 TPSK-LSPA1-T-QM-0073 05/04/2019 Return Date Owner Cmmt\* QM OL1-2Q24-0005 Quality Control Plan Steam Tracing System IFR Α Issue Plan Revised Plan Issue Actual 28/01/2019 TPSK-LSPA1-T-QM-0073 Transmittal no 05/04/2019 Return Date Owner Cmmt\* QM OL1-2Q24-0006 Quality Control Plan Piping Tie-ins Class Final Purpose\*\* Issue Plan Revised Plan Issue Actual 28/01/2019 Transmittal no TPSK-LSPA1-T-QM-0073 Return Date 05/04/2019 Owner Cmmt QM OL1-2Q24-0007 Quality Control Plan Piping NDE PWHT Manageme Class Final IFR Α Issue Plan Revised Plan Issue Actual 28/01/2019 TPSK-LSPA1-T-QM-0073 Transmittal no. 05/04/2019 Owner Cmmt\* A3 QM OL1-2Q24-0008 Quality Control Plan Welders Management Class Final Purpose\*\* IFR Issue Plan Revised Plan 28/01/2019 Issue Actual TPSK-LSPA1-T-QM-0073 Return Date 05/04/2019 Owner Cmmt\* QM OL1-2Q24-0009 Quality Control Plan Insulation IFR Purpose\*\* Α Issue Plan Revised Plan Issue Actual 28/01/2019 Transmittal no. TPSK-LSPA1-T-QM-00730 05/04/2019 Owner Cmmt A3 QM OL1-2Q24-0010 Quality Control Plan Painting Class Final Purpose\*\* IFR Α Issue Plan Revised Plan 28/01/2019 Issue Actual Transmittal no. Return Date 05/04/2019 Owner Cmmt\* A3 Category Code: Q25 QC Record and Report for Fire Fighting work (construction Category Code: Q26 QC Record and Report for Electrical work (construction)
Category Code: Q27 QC Record and Report for Instrumentation work (construct Category Code: Q30 Shop Inspection Notice (Civil)
Category Code: Q31 Shop Inspection Notice (Mechanical)
Category Code: Q32 Shop Inspection Notice (Piping) Category Code: Q33 Shop Inspection Notice (Electrical) Category Code: Q34 Shop Inspection Notice (Instrumentation)
Category Code: Q35 Mechanical certification (Civil) Category Code: Q36 Mechanical certification (Static)
Category Code: Q37 Mechanical certification (Rotating)
Category Code: Q38 Mechanical certification (Piping)) Category Code: Q40 Site Inspection Notice (Civil)

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval Class 2 = For Review Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation A1 = App. w/o comments LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation | Att. To (
| Item | Org. | Document No. | Document N
| Category Code: Q41 Site Inspection Notice (Piping)
| Category Code: Q42 Site Inspection Notice (Electrical)
| Category Code: Q43 Site Inspection Notice (Electrical)
| Category Code: Q44 Site Inspection Notice (Electrical)
| Category Code: Q45 Site Inspection Notice (Electrical) Period for Company's comment Working Days Document Name Classification Category Code: Q44 Site Inspection Notice (Instrumentation)
Category Code: Q60 Inspection and Test Plan (ITP) for Mechanical Work
Category Code: Q61 Inspection and Test Plan (ITP) for Piping Work Category Code: Q62 Inspection and Test Plan (ITP) for Electrical work
Category Code: Q63 Inspection and Test Plan (ITP)for Instrumentation work Category Code: QG6 Inspection and Test Plan (ITP) for Civil, Structure and Archit Category Code: QG6 Inspection and Test Plan (ITP) for Mechanical Work (Constr Category Code: Q66 Inspection and Test Plan (ITP) for Piping Work (Constructio Category Code: Q67 Inspection and Test Plan (ITP) for Electrical work (Construct Category Code: Q68 Inspection and Test Plan (ITP)for Instrumentation work (Co Category Code: Q69 Inspection and Test Plan (ITP) for Civil, Structure and Archite Category Code: Q71 Appraisal Report for Consultancy Service
Category Code: Q72 Appraisal Report for EPC Contractor Work
Category Code: Q73 Appraisal Report for Vendor/Supplier Category Code: Q90 Vendor Document/drawings Category Code: Q91 Index/List
Category Code: Q92 Procedures & Standards Class Final QM OL1-2Q92-0004 Overall Project Audit Plan Purpose\*\* Issue Plan Revised Plan 21/03/2019 Issue Actual Transmittal no TPSK-LSPA1-T-QM-01116 Return Date Owner Cmmt QM OL1-2Q92-0008 Quality Control Plan Material Management and W Class Final Purpose\*\* Α Issue Plan Revised Plan Issue Actual TPSK-LSPA1-T-QM-0081 Transmittal no. Return Date Owner Cmmt QM OL1-2Q92-0011 Job Construction Specification For Welders Manag Class Final Purpose\*\* IFR Issue Plan Revised Plan 03/04/2019 Issue Actual TPSK-LSPA1-T-QM-0123 Transmittal no Return Date Owner Cmmt QM OL1-2Q92-0012 Job Construction Specification For Welding Activi Class Final Purpose\*\* Α Issue Plan Revised Plan Issue Actual 03/04/2019 Transmittal no TPSK-LSPA1-T-QM-01236 Owner Cmmt\* QM OL1-2Q92-0013 Job Construction Specification For Piping Materia Class Final Purpose\*\* Α Issue Plan Revised Plan 03/04/2019 Issue Actual TPSK-LSPA1-T-QM-0123 Transmittal no Return Date Owner Cmmt\* QM OL1-2Q92-0014 Job Construction Specification For Bolted Flange J Class Final IFR Purpose\*\* Issue Plan Revised Plan Issue Actual Transmittal no TPSK-LSPA1-T-QM-0130 Return Date Owner Cmmt QM OL1-2Q92-0018 Job Construction Specification For Static Equipme Class Final Purpose\*\* IFR Issue Plan Revised Plan Issue Actual 03/04/2019 TPSK-LSPA1-T-QM-0123 Return Date Owner Cmmt\* QM OL1-2Q92-0019 Job Construction Specification For Machinery And Class Final IFR Purpose\*\* Issue Plan Revised Plan 10/04/2019 Issue Actual TPSK-LSPA1-T-QM-0130 Transmittal no Return Date Owner Cmmt\* Category Code: Q93 Policy , Guidelines,& Memo Category Code: Q94 Forms & Templates Category Code: Q95 Progress/Status Reports
Category Code: Q96 Quality Audit Reports
Category Code: Q97 Non-Conformance Record Category Code: Q98 Addition Vendors/Subcontractors Assessment and Prequa Category Code: S01 Environmental Management Plan and program; Category Code: S02 Waste Material Management

Category Code: S03 Health/Social Management and Program; Community Affair Category Code: S03 Health/Social Management Report Category Code: S05 Health/Social Management Report

Category Code: S06 ESIA Report

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval Class 2 = For Review Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Do

Category Code: S07 ESIA Database

Category Code: S63 EH&S Monitoring report

Category Code: S71 Appraisal Report for Consults Period for Company's comment Working Days Document Name Classification Category Code: S71 Appraisal Report for Consultancy Service Category Code: S72 Appraisal Report for EPC Contractor Work Category Code: S73 Appraisal Report for Vendor/Supplier Category Code: S81 CSR Procedure & Standard
Category Code: S82 CSR Policy, Guideline & Memo
Category Code: S83 CSR Template & Form
Category Code: S84 CSR Report
Category Code: S85 CSR Audit Report Category Code: S90 Vendor Document/drawings Category Code: S91 Index/List Category Code: S92 Procedures & Standards Category Code: 593 Policy, Guidelines & Memo Category Code: 594 Forms & Templates Category Code: 595 Progress/Status Reports ES OL1-2S95-0210 Furnace Section HAZOP Report Class Final Purpose\*\* Issue Plan Revised Plan 20/03/2019 Issue Actual Transmittal no TPSK-LSPA1-T-ES-01113 Return Date Owner Cmn ES OL1-2S95-0230 Furnace Section SIL Classification Report IFR Α Issue Plan Revised Plan Issue Actual 25/03/2019 TPSK-LSPA1-T-ES-01146 Transmittal no. Return Date Owner Cmmt\* Category Code: R01 Process Specification (PE) Category Code: R02 Civil Specification (CV) CV OL1-2R02-0001 JOB DES.SPEC.FOR UNDERG.SYSTEM Purpose\*\* IFR IMP Issue Plan 24/09/2018 16/03/2019 Issue Actual 25/09/2018 06/03/2019 TPSK-LSPA1-T-CV-00087 TPSK-LSPA1-T-CV-00994 Transmittal no. 15/03/2019 02/11/2018 Return Date Owner Cmmt\* CV OL1-2R02-0004 JSD FOR FOUNDATION & STRUCT. IMP Purpose\*\* Issue Plan 25/09/2018 31/01/2019 Revised Plan 25/09/2018 Issue Actual 19/02/2019 Transmittal no TPSK-LSPA1-T-CV-00087 TPSK-LSPA1-T-CV-00887 Return Date 02/11/2018 18/03/2019 Owner Cmmt R2 CV OL1-2R02-0005 AMENDMENT - CV-012 - BUILDING DESIGN AND CO Class 2 IFR 10/10/2018 Issue Plan Revised Plan Issue Actual 11/10/2018 Transmittal no. TPSK-LSPA1-T-CV-00158 18/03/2019 Owner Cmmt\* R2 CV OL1-2R02-0006 JOB SUPPLY SPEC.FOR STEEL STRUCT. Purpose\*\* IFI Issue Plan Revised Plan 06/03/2019 Issue Actual TPSK-LSPA1-T-CV-0099 Return Date 31/03/2019 Owner Cmmt\* R2 Category Code: R03 Mechanical Specification (ME) IFR ME OL1-2R03-0001 WELDING AND NDE FOR PRESSURE VESSELS Class 2 Purpose\*\* IMP Issue Plan 06/04/2019 06/05/2019 Revised Plan Issue Actual 27/08/2018 25/02/2019 TPSK-LSPA1-T-ME-00029 TPSK-LSPA1-T-ME-00921 Transmittal no Return Date 19/09/2018 15/03/2019 Owner Cmmt\* A4 R1 ME OL1-2R03-0002 JOB SUPPLY SPECIFICATION FOR MATERIAL IN SOUF Class 2 IMP IFR Purpose\*\* 06/04/2019 Issue Plan 06/05/2019 Revised Plan 27/08/2018 25/02/2019 Issue Actual Transmittal no TPSK-LSPA1-T-ME-00029 TPSK-LSPA1-T-ME-0092: Return Date 19/09/2018 15/03/2019 Owner Cmmt

IFR

Α

06/04/2019

27/08/2018 TPSK-LSPA1-T-ME-00029

19/09/2018

IFR

06/04/2019

IMP

06/05/2019

25/02/2019 TPSK-LSPA1-T-ME-00921

15/03/2019

IMP

06/05/2019

Purpose\*\*

Issue Plan

Revised Plan

Issue Actual

Transmittal no.

Owner Cmmt\*

Purpose\*\* Rev. Issue Plan

Revised Plan

ME OL1-2R03-0003 JOB SUPPLY SPECIFICATION FOR POSITIVE MATERIA Class 2

ME OL1-2R03-0004 WELDING AND NDE FOR TANKS STORAGE

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 IFA = Issue For Approval
IFC = Issue For Construction
IFI = Issue For Information A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification Issue Actual 27/08/2018 25/02/2019 TPSK-LSPA1-T-ME-00029 TPSK-LSPA1-T-ME-00921 Transmittal no. Return Date 19/09/2018 15/03/2019 Owner Cmmt\* R1 R1 ME OL1-2R03-0005 ME-005 Double Jacket Pipe Heat Exchangers for 36 Class Final Purpose\*\* Issue Plan Revised Plan 23/10/2018 TPSK-LSPA1-T-ME-00212 Issue Actual Transmittal no Return Date Owner Cmmt ME OL1-2R03-0006 PLATE HEAT EXCHANGER IMP Rev. 24/09/2018 Issue Plan Revised Plan 12/09/2018 Issue Actual TPSK-LSPA1-T-ME-00042 Transmittal no. Return Date Owner Cmmt\* ME OL1-2R03-0007 Job Specification for AXENS Standard Material Spe Class Final IFR Purpose\*\* Α Issue Plan Revised Plan Issue Actual Transmittal no 21/02/2019 TPSK-I SPA1-T-MF-00909 Return Date 15/03/2019 Owner Cmmt ME OL1-2R03-0008 Job Specification For Axens Standard Material Spec Class Final Purpose\*\* IFR Α Issue Plan Revised Plan Issue Actual 21/02/2019 TPSK-LSPA1-T-ME-00909 Transmittal no. Return Date 15/03/2019 Owner Cmmt\* ME OL1-2R03-0009 Job Specification For Axens Standard Material Spec Class Final Purpose\*\* IFR Issue Plan Revised Plan 21/02/2019 Issue Actual Transmittal no Return Date 15/03/2019 Owner Cmmt\* ME OL1-2R03-0010 ME-010 Centrifugal Pump IFR IMP Purpose\*\* Α Issue Plan Revised Plan Issue Actual 24/09/2018 22/01/2019 Transmittal no TPSK-LSPA1-T-ME-00078 TPSK-LSPA1-T-ME-00693 12/10/2018 14/02/2019 Owner Cmmt\* ME OL1-2R03-0013 ME-013 Diesel Engi lass Final Purpose\*\* IFR IMP Α Issue Plan Revised Plan 23/01/2019 18/10/2018 Issue Actual TPSK-LSPA1-T-ME-00196 TPSK-LSPA1-T-ME-00668 Transmittal no. Return Date 02/11/2018 Owner Cmmt\* ME OL1-2R03-0014 ME-014 Centrifugal Compressor IFR IMP Purpose\*\* Α Issue Plan Revised Plan Issue Actual Transmittal no. TPSK-LSPA1-T-ME-00065 TPSK-LSPA1-T-ME-0066 Return Date 10/10/2018 Owner Cmmt ME OL1-2R03-0016 ME-016 Centrifugal Compressor For PA-IA Servise Class Final Purpose\*\* IFR IMP Α Issue Plan Revised Plan Issue Actual 12/10/2018 23/01/2019 TPSK-LSPA1-T-ME-00164 TPSK-LSPA1-T-ME-00668 Transmittal no Return Date 07/11/2018 Owner Cmmt\* ME OL1-2R03-0017 ME-017 Root Blower IMP Class Final Purpose\*\* Issue Plan Revised Plan 19/11/2018 Issue Actual Transmittal no. TPSK-LSPA1-T-ME-00334 Return Date Owner Cmmt ME OL1-2R03-0018 ME-018 General Purpose Steam Turbines Purpose\*\* IFR IMP Α Issue Plan Revised Plan 24/09/2018 TPSK-LSPA1-T-ME-00078 Issue Actual 23/01/2019 TPSK-LSPA1-T-ME-0066 Transmittal no. 12/10/2018 Owner Cmmt\* IFR ME OL1-2R03-0019 ME-019 Lube Oil Unit And Seal Oil System Class Final IMP Purpose\*\* Issue Plan Revised Plan

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation A1 = App. w/o comments LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days **Document Name** Classification Issue Actual 18/09/2018 23/01/2019 TPSK-LSPA1-T-ME-00065 TPSK-LSPA1-T-ME-00668 Transmittal no. Return Date 10/10/2018 Owner Cmmt\* R1 ME OL1-2R03-0020 ME-020 Special Purpose Steam Tturbines IFR IMP Class Final Purpose\*\* Issue Plan Revised Plan 24/09/2018 23/01/2019 Issue Actual TPSK-LSPA1-T-ME-00078 TPSK-LSPA1-T-ME-0066 Return Date 12/10/2018 Owner Cmmt ME OL1-2R03-0021 ME-021 Flare Syste IFR Α Issue Plan Revised Plan Issue Actual 06/12/2018 TPSK-LSPA1-T-ME-00429 Transmittal no. Return Date 26/12/2018 Owner Cmmt\* ME OL1-2R03-0022 ME-022 Special Purpose Gear Class Final IFR IMP Purpose\*\* Issue Plan Revised Plan 23/01/2019 12/10/2018 Issue Actual Transmittal no TPSK-I SPA1-T-MF-00166 TPSK-LSPA1-T-ME-00668 Return Date 07/11/2018 Owner Cmmt ME OL1-2R03-0024 ME-024 Elevator For 36M and 132U Furnace Purpose\*\* IMP 0 Issue Plan Revised Plan Issue Actual TPSK-LSPA1-T-ME-00537 Transmittal no. Return Date Owner Cmmt ME OL1-2R03-0028 ME-028 Mechanical Seal Class Final Purpose\*\* IMP Issue Plan Revised Plan 17/09/2018 Issue Actual TPSK-LSPA1-T-ME-0005 Transmittal no Return Date Owner Cmmt ME OL1-2R03-0029 ME-029 Centrifugal Blower for 36M and 132U Furr Class Final Purpose\*\* 0 Issue Plan Revised Plan Issue Actual 17/10/2018 Transmittal no TPSK-LSPA1-T-ME-00185 05/11/2018 Owner Cmmt\* ME OL1-2R03-0047 ME-047 Dry Screw Compressor for Hydrocarbon Se Class Final Purpose\*\* IFR IMP Α Issue Plan Revised Plan 06/12/2018 17/01/2019 Issue Actual TPSK-LSPA1-T-ME-00429 TPSK-LSPA1-T-ME-0066 Transmittal no Return Date 26/12/2018 04/02/2019 Owner Cmmt\* R1 ME OL1-2R03-0050 JOB SPEC. FOR DESIGN OF PRESSURE & ATMOSPHEI Class 2 IFR IMP IMP Purpose\*\* Issue Plan 10/08/2018 20/09/2018 Revised Plan Issue Actual 25/09/2018 Transmittal no TPSK-LSPA1-T-ME-00017 TPSK-LSPA1-T-ME-00084 PSK-LSPA1-T-ME-0024 TPSK-LSPA1-T-ME-00888 Return Date 27/08/2018 24/10/2018 26/11/2018 15/03/2019 Owner Cmmt ME OL1-2R03-0051 JOB SPEC. FOR SUPPLY OF PRESSURE VESSELS IMP Purpose\*\* IFR IFR Issue Plan 10/09/2018 22/09/2018 Revised Plan Issue Actual 13/08/2018 25/09/2018 31/10/2018 TPSK-LSPA1-T-ME-00021 TPSK-LSPA1-T-ME-00084 TPSK-LSPA1-T-ME-00249 Transmittal no Return Date 27/08/2018 24/10/2018 27/11/2018 Owner Cmmt\* A4 R1 ME OL1-2R03-0052 JOB SPEC. FOR SUPPLY OF COLUMN INTERNALS Class 2 IMP IFR Purpose\*\* Issue Plan 10/08/2018 23/09/2018 Revised Plan 24/09/2018 Issue Actual Transmittal no TPSK-LSPA1-T-ME-00017 TPSK-LSPA1-T-ME-0008: Return Date 27/08/2018 24/10/2018 Owner Cmmt ME OL1-2R03-0053 JOB SPEC. FOR SUPPLY OF EQUIPMENT LADDERS AN Class 2 Purpose\*\* IFR IFR Α 0 Issue Plan 10/08/2018 Revised Plan 10/08/2018 TPSK-LSPA1-T-ME-00017 24/09/2018 TPSK-LSPA1-T-ME-00081 Issue Actual Transmittal no. 27/08/2018 24/10/2018 Owner Cmmt\* ME OL1-2R03-0054 CONST.STANDARDS FOR PRESS. EQUIP. IFR IFR IMP Purpose\*\* Issue Plan 10/08/2018 Revised Plan

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 IFA = Issue For Approval
IFC = Issue For Construction
IFI = Issue For Information A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification Issue Actual 10/08/2018 25/09/2018 31/10/2018 19/02/2019 TPSK-LSPA1-T-ME-00018 TPSK-LSPA1-T-ME-00084 TPSK-LSPA1-T-ME-00256 TPSK-LSPA1-T-ME-00876 Transmittal no. Return Date 27/08/2018 24/10/2018 27/11/2018 11/03/2019 Owner Cmmt\* A3 R1 R1 ME OL1-2R03-0055 CONST.STANDARDS FOR LADDERS AND PLATFORM; Class 2 Purpose\*\* 0 Issue Plan Revised Plan 03/10/2018 Issue Actual Transmittal no TPSK-LSPA1-T-MF-0012 Return Date 24/10/2018 Owner Cmmt ME OL1-2R03-0102 MARKING FOR VESSEL & HEAT EXCHANGER IMP Rev. 22/09/2018 Issue Plan Revised Plan 12/09/2018 Issue Actual TPSK-LSPA1-T-ME-00042 Transmittal no. Return Date Owner Cmmt\* ME OL1-2R03-0104 ME-008 Cooling Water Class Final IFQ Purpose\*\* Issue Plan Revised Plan 06/11/2018 Issue Actual Transmittal no TPSK-I SPA1-T-MF-00276 Return Date 15/02/2019 Owner Cmmt ME OL1-2R03-0500 ME-050 Centrifugal Pump - Non API Purpose\*\* Α Issue Plan Revised Plan Issue Actual 12/11/2018 TPSK-LSPA1-T-ME-00308 TPSK-LSPA1-T-ME-00668 Transmittal no. Return Date 06/12/2018 Owner Cmmt\* ME OL1-2R03-055 Construction Standards For Ladders And Platforms Class Final Purpose\*\* IFR Issue Plan Revised Plan 27/08/2018 Issue Actual Transmittal no Return Date 18/09/2018 Owner Cmmt\* ME OL1-2R03-1001 ME-001 Pressure Vessel for 36M and 132U Furnace Class Final Purpose\*\* Issue Plan Revised Plan Issue Actual 07/11/2018 Transmittal no TPSK-LSPA1-T-ME-00262 Owner Cmmt\* ME OL1-2R03-1004 ME-004 Shell and Tube Heat Exchangers for 36M ar Class Final Purpose\*\* 0 Issue Plan Revised Plan 24/10/2018 Issue Actual TPSK-LSPA1-T-ME-00221 Transmittal no Return Date Owner Cmmt\* Category Code: R04 Piping Specification (PIP) MP OL1-2R04-0001 PIPING CLASSES SUMMARY & PIPING CLASSES Class 2 Purpose\*\* IFR IMP Rev. 17/03/2019 Issue Plan 19/12/2018 Issue Actual 27/12/2018 05/04/2019 Transmittal no. TPSK-LSPA1-T-MP-00562 52-TPSK-LSPA1-T-MP-0126 Return Date 17/01/2019 Owner Cmmt\* MP OL1-2R04-0002 JOB DES.SPEC.FOR PIPING AND STD IMP IFR IFR Purpose\*\* Issue Plan 13/11/2018 Revised Plan Issue Actual 16/11/2018 Transmittal no TPSK-I SPA1-T-MP-00012 TPSK-LSPA1-T-MP-00012 TPSK-LSPA1-T-MP-0073 Return Date 26/09/2018 07/12/2018 01/03/2019 Owner Cmmt\* A4 R1 R2 MP OL1-2R04-0003 JOB DESIGN SPECIFICATION FOR THERMAL INSULAT Class 2 IFR IFR Purpose\*\* Issue Plan 29/04/2019 Revised Plan 22/08/2018 27/12/2018 Issue Actual Transmittal no. TPSK-LSPA1-T-MP-00024 TPSK-LSPA1-T-MP-00562 Return Date 12/09/2018 17/01/2019 Owner Cmmt\* Α4 R2 MP OL1-2R04-0004 JOB DESIGN SPECIFICATION FOR THERMAL INSULAT Class 2 Purpose\*\* IFR IFR Issue Plan 29/04/2019 Revised Plan 22/08/2018 27/12/2018 Issue Actual Transmittal no PSK-LSPA1-T-MP-00024 TPSK-LSPA1-T-MP-0056 Return Date 12/09/2018 17/01/2019 Owner Cmmt MP OL1-2R04-0005 JOB DESIGN SPECIFICATION FOR PAINTING Purpose\*\* IFR IFR

29/04/2019

Issue Plan

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days **Document Name** Classification Revised Plan 22/08/2018 27/12/2018 Issue Actual TPSK-LSPA1-T-MP-00024 TPSK-LSPA1-T-MP-00562 Return Date 12/09/2018 17/01/2019 Owner Cmmt\* MP OL1-2R04-0006 JOB SUPPLY SPECIFICATION FOR PIPING MATERIAL Class 2 IFR IFR IMP Purpose\*\* 06/05/2019 Issue Plan 06/04/2019 Revised Plan 27/08/2018 20/11/2018 28/02/2019 Issue Actual Transmittal no 18/09/2018 30/01/2019 Return Date 01/04/2019 Owner Cmmt\* R2 R1 ME OL1-2R04-0007 PIP-007 Marking of Piping Material for 36M and 13 Class Final Purpose\*\* IMP Issue Plan Revised Plan 23/10/2018 Issue Actual TPSK-LSPA1-T-ME-00213 Transmittal no. Return Date Owner Cmmt\* MP OL1-2R04-0008 JOB SUPPLY SPECIFICATION FOR BUTTERFLY VALVES Class 2 Purpose\*\* Issue Plan 13/04/2019 Issue Actual 26/11/2018 Transmittal no TPSK-LSPA1-T-MP-00352 Return Date 30/01/2019 Owner Cmmt\* MP OL1-2R04-0009 JOB SUPPLY SPECIFICATION FOR PLUG VALVES IFR Issue Plan 13/04/2019 Revised Plan 26/11/2018 Issue Actual Transmittal no. TPSK-LSPA1-T-MP-00352 Return Date 30/01/2019 Owner Cmmt\* R1 MP OL1-2R04-0010 JOB SUPPLY SPECIFICATION FOR BALL VALVES Purpose\*\* Issue Plan 13/04/2019 Revised Plan Issue Actual 26/11/2018 Transmittal no TPSK-LSPA1-T-MP-00352 Return Date 30/01/2019 Owner Cmmt MP OL1-2R04-0011 JOB SUPPLY SPECIFICATION FOR PIPES Purpose\*\* IFR IFR В Issue Plan 06/04/2019 Revised Plan Issue Actual 27/08/2018 20/11/2018 TPSK-LSPA1-T-MP-00028 TPSK-LSPA1-T-MP-00342 Return Date 18/09/2018 Owner Cmmt\* R2 MP OL1-2R04-0012 Pipe Support IFR IMP Class Final Purpose\*\* Issue Plan Revised Plan 16/11/2018 08/02/2019 Issue Actual Transmittal no TPSK-LSPA1-T-MP-00324 TPSK-LSPA1-T-MP-00828 Return Date 18/12/2018 25/02/2019 Owner Cmmt MP OL1-2R04-0013 JOB SUPPLY SPECIFICATION FOR BUTTWELDING FIT Class 2 Purpose\*\* IFR IFR Rev. Α В 06/04/2019 Issue Plan Issue Actual 27/08/2018 20/11/2018 Transmittal no. TPSK-LSPA1-T-MP-00028 TPSK-LSPA1-T-MP-00342 18/09/2018 Return Date 30/01/2019 Owner Cmmt\* A4 R1 IFR MP OL1-2R04-0014 JOB SUPPLY SPECIFICATION FOR FORGED FITTINGS Class 2 IFR Purpose\*\* В Issue Plan 06/04/2019 Revised Plan Issue Actual 20/11/2018 Transmittal no TPSK-I SPA1-T-MP-00028 TPSK-LSPA1-T-MP-00342 Return Date 18/09/2018 30/01/2019 Owner Cmmt\* A4 R1 MP OL1-2R04-0015 JOB SUPPLY SPECIFICATION FOR FLANGES IFR IFR Purpose\*\* Issue Plan 06/04/2019 Revised Plan 27/08/2018 Issue Actual 20/11/2018 Transmittal no. TPSK-LSPA1-T-MP-00028 TPSK-LSPA1-T-MP-00342 Return Date 18/09/2018 30/01/2019 Owner Cmmt\* MP OL1-2R04-0030 Piping Flexibility Class Final Purpose\*\* IFR IMP Issue Plan Revised Plan 20/11/2018 08/02/2019 Issue Actual Transmittal no TPSK-LSPA1-T-MP-00336 TPSK-LSPA1-T-MP-00828 Return Date 07/12/2018 25/02/2019 Owner Cmmt MP OL1-2R04-0031 JOB DES.SPEC.FOR STEAM TRACING Purpose\*\* IFR IFR Issue Plan 13/11/2018

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval Class 2 = For Review Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days **Document Name** Classification Revised Plan 09/11/2018 28/01/2019 08/08/2018 Issue Actual TPSK-LSPA1-T-MP-00012 TPSK-LSPA1-T-MP-00292 TPSK-LSPA1-T-MP-0073 Return Date 26/09/2018 23/01/2019 01/03/2019 Owner Cmmt\* R2 MP OL1-2R04-0032 JSD FOR PIPING STRESS ANALYSIS IFR IMP Purpose\*\* 15/02/2019 Issue Plan 12/11/2018 Revised Plan 19/02/2019 16/11/2018 Issue Actual Transmittal no TPSK-LSPA1-T-MP-00324 TPSK-LSPA1-T-MP-00881 Return Date 18/12/2018 21/03/2019 Owner Cmmt\* R2 MP OL1-2R04-0033 JSD FOR PIPING LOADS ON PIPERACKS (PRK), SLEEP Class 2 Purpose\*\* IFR IMP Issue Plan 12/11/2018 15/02/2019 Revised Plan 16/11/2018 08/02/2019 Issue Actual TPSK-LSPA1-T-MP-00324 TPSK-LSPA1-T-MP-00828 Transmittal no Return Date 18/12/2018 25/02/2019 Owner Cmmt\* MP OL1-2R04-0034 JSD AUXILIARY STD PIPE SUPPORTS IFR IFR Purpose\*\* Issue Plan 12/11/2018 15/02/2019 Issue Actual 16/11/2018 08/02/2019 07/03/2019 Transmittal no TPSK-LSPA1-T-MP-00324 TPSK-LSPA1-T-MP-00830 TPSK-LSPA1-T-MP-01002 01/04/2019 Return Date 18/12/2018 25/02/2019 Owner Cmmt MP OL1-2R04-0036 JSS CRYOGENIC SUPPORTS IFR IMP Issue Plan 31/01/2019 28/02/2019 Revised Plan 08/02/2019 02/04/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-MP-00831 TPSK-LSPA1-T-MP-01223 Return Date 21/03/2019 Owner Cmmt\* R1 MP OL1-2R04-0037 JSS FOR ROD & SPRING HANGERS Purpose\*\* Issue Plan 31/01/2019 28/02/2019 Revised Plan Issue Actual Transmittal no TPSK-LSPA1-T-MP-00831 TPSK-LSPA1-T-MP-01223 21/03/2019 Return Date Owner Cmmt MP OL1-2R04-0038 JSS SLIDING PLATES IMP Purpose\*\* IFR Issue Plan 31/01/2019 28/02/2019 Revised Plan 02/04/2019 Issue Actual 08/02/2019 TPSK-LSPA1-T-MP-00831 TPSK-LSPA1-T-MP-01223 Return Date Owner Cmmt\* R1 IFR MP OL1-2R04-0039 JSS DYNAMIC PIPING SUPPORTS IMP Purpose\*\* 31/01/2019 Issue Plan 28/02/2019 Revised Plan 08/02/2019 02/04/2019 Issue Actual Transmittal no TPSK-LSPA1-T-MP-00831 TPSK-LSPA1-T-MP-01223 Return Date 21/03/2019 Owner Cmmt MP OL1-2R04-0040 JSS METALLIC EXPANSION JOINTS Purpose\*\* IFR IMP Issue Plan 31/01/2019 28/02/2019 Issue Actual 08/02/2019 02/04/2019 PSK-LSPA1-T-MP-00831 TPSK-LSPA1-T-MP-0122 Transmittal no. 21/03/2019 Return Date Owner Cmmt\* MP OL1-2R04-0041 JOB SUPPLY SPECIFICATION FOR VALVE (GATE, GLOE Class 2 Purpose\*\* IFR Issue Plan 13/04/2019 Revised Plan Issue Actual Transmittal no TPSK-I SPA1-T-MP-00356 Return Date 30/01/2019 Owner Cmmt\* R1 MP OL1-2R04-0042 Job Supply Specification For Non Metallic Expansic Class Final IFR IMP Purpose\*\* Α Issue Plan Revised Plan 07/03/2019 Issue Actual 02/04/2019 TPSK-LSPA1-T-MP-01000 TPSK-LSPA1-T-MP-01223 Transmittal no Return Date 01/04/2019 Owner Cmmt\* ME OL1-2R04-1004 PIP-004 Piping Welding Specification for 36M and Class Final Purpose\*\* IMP Issue Plan Revised Plan 16/10/2018 Issue Actual Transmittal no TPSK-LSPA1-T-ME-00184 Return Date Owner Cmmt\* Category Code: R05 Electrical Specification (EE) EE OL1-2R05-0001 GENERAL ELECTRICAL DESIGN SPECIFICATION Class 2 Purpose\*\* IMP

ABBREVIATION Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information DOCUMENT NO. Master Document Index (MDI)

| IFR = Issue For Review | IFA = Issue For Approval | IFC = Issue For Construction | IFC = Issue For Construction | IFC = Issue For Construction | IFC = Issue For Planning | IFC = I LONG SON \*\*Revision Purpose of Issued Document A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification 30/01/2019 Issue Plan Revised Plan Issue Actual 05/12/2018 Transmittal no. TPSK-LSPA1-T-EE-00424 Return Date Owner Cmmt\* EE OL1-2R05-0002 ELECTRICAL SYSTEM DESIGN Purpose\*\* IMP Issue Plan 30/01/2019 Revised Plan Issue Actual 05/12/2018 TPSK-LSPA1-T-EE-00424 Transmittal no Return Date EE OL1-2R05-0003 OIL FILLED DISTRIBUTION TRANSFORMER Owner Cmmt\* Purpose\*\* 03/12/2018 Issue Plan Revised Plan 05/11/2018 TPSK-LSPA1-T-EE-00268 Issue Actual Transmittal no Return Date Owner Cmmt\* EE OL1-2R05-0004 PROTECTIVE RELAY AND CONTROL UNIT Purpose\*\* IMP Issue Plan 30/01/2019 Revised Plan Issue Actual TPSK-LSPA1-T-EE-00522 Transmittal no Return Date Owner Cmmt\* EE OL1-2R05-0005 SUBSTATION MONITORING AND CONTROL SYSTEM Class 2 Purpose\*\* 03/12/2018 Issue Plan Revised Plan Issue Actual 05/12/2018 TPSK-LSPA1-T-EE-00425 Return Date Owner Cmmt EE OL1-2R05-0006 MEDIUM VOLTAGE SWITCHGEAR IMP 0 03/12/2018 Issue Plan Revised Plan 05/11/2018 Issue Actual TPSK-LSPA1-T-EE-00268 Transmittal no Return Date Owner Cmmt\* EE OL1-2R05-0007 LOW VOLTAGE DISTRIBUTION PANEL Purpose\*\* IMP Issue Plan 03/12/2018 Revised Plan 12/11/2018 Issue Actual Transmittal no TPSK-LSPA1-T-EE-00309 Return Date Owner Cmmt\* EE OL1-2R05-0008 LOW VOLTAGE SWITCHGEAR AND MOTOR CONTRO Class 2 Purpose\*\* 0 Issue Plan Revised Plan Issue Actual 12/11/2018 Transmittal no. TPSK-LSPA1-T-EE-00309 Return Date Owner Cmmt\* EE OL1-2R05-0010 ELECTRICAL MOTORS UP TO 300 KW IMP Purpose\*\* Issue Plan 03/12/2018 Revised Plan 24/09/2018 Issue Actual TPSK-LSPA1-T-EE-0007 Transmittal no. Return Date Owner Cmmt\* EE OL1-2R05-0011 ELECTRICAL MOTORS GREATER THAN TO 300 KW Class 2 Purpose\*\* Rev. Issue Plan 03/12/2018 Revised Plan Issue Actual 08/11/2018 Transmittal no TPSK-LSPA1-T-EE-00748 Return Date 25/02/2019 Owner Cmmt EE OL1-2R05-0012 UNINTERRUPTIBLE POWER SUPPLIES Purpose\*\* IMP Issue Plan 03/12/2018 Revised Plan 05/11/2018 Issue Actual TPSK-LSPA1-T-EE-00268 Transmittal no. Return Date Owner Cmmt\* EE OL1-2R05-0013 INTERCOM/PAGING/AUDIBLE ALARM SYSTEM Purpose\*\* Issue Plan 21/01/2019 15/02/2019 Revised Plan Issue Actual 04/12/2018 07/03/2019 Transmittal no. TPSK-LSPA1-T-EE-00403 TPSK-LSPA1-T-EE-00987 21/03/2019 17/12/2018 Return Date Owner Cmmt\* EE OL1-2R05-0014 LIGHTING SYSTEM Class 2 Purpose\*\* IMP Rev.

ABBREVIATION Master Document Index (MDI)

IFR = Issue For Review
IFA = Issue For Approval
IFC = Issue For Construction

Start Name: PACKAGE A1: OLEFINS PLANT
IFC = Issue For Information \*\*\*Classification
Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information DOCUMENT NO. LONG SON \*\*Revision Purpose of Issued Document A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification 30/01/2019 Issue Plan Revised Plan Issue Actual 05/11/2018 Transmittal no. TPSK-LSPA1-T-EE-00258 Return Date Owner Cmmt\* EE OL1-2R05-0015 EARTHING AND LIGHTING PROTECTION Purpose\*\* IMP Issue Plan 30/01/2019 Revised Plan 05/11/2018 Issue Actual TPSK-LSPA1-T-EE-00258 Transmittal no Return Date EE OL1-2R05-0016 CATHODIC PROTECTION Owner Cmmt\* Purpose\*\* 03/12/2018 Issue Plan Revised Plan 05/11/2018 Issue Actual Transmittal no. TPSK-LSPA1-T-EE-00268 Return Date Owner Cmmt\* EE OL1-2R05-0017 DIESEL ENGINE GENERATOR Purpose\*\* IMP Issue Plan 03/12/2018 Revised Plan Issue Actual 05/11/2018 TPSK-LSPA1-T-EE-00268 Transmittal no Return Date Owner Cmmt\* EE OL1-2R05-0018 POWER, CONTROL, AND FIBER OPTIC CABLES Class 2 Purpose\*\* 03/12/2018 Issue Plan Revised Plan Issue Actual 05/12/2018 TPSK-LSPA1-T-EE-00425 Return Date Owner Cmmt\* EE OL1-2R05-0019 SAFETY SUPERVISORY SYSTEM IFR IMP Α 21/01/2019 15/02/2019 Issue Plan Revised Plan 04/12/2018 07/03/2019 Issue Actual TPSK-LSPA1-T-EE-00403 TPSK-LSPA1-T-EE-00987 Transmittal no 21/03/2019 Return Date 17/12/2018 Owner Cmmt\* EE OL1-2R05-0021 POWER CAPACITOR Class 2 Purpose\*\* IMP Issue Plan 03/12/2018 Revised Plan 05/11/2018 Issue Actual Transmittal no TPSK-LSPA1-T-EE-00268 Return Date Owner Cmmt\* EE OL1-2R05-0022 MISCELLANEOUS EQUIPMENT Purpose\*\* Rev. Issue Plan 03/12/2018 05/11/2018 Issue Actual Transmittal no. TPSK-LSPA1-T-EE-00268 Return Date Owner Cmmt\* EE OL1-2R05-0023 LOW VOLTAGE VARIABLE VOLTAGE VARIABLE FREQUE Class 2 IMP Purpose\*\* Issue Plan 03/12/2018 Revised Plan 05/11/2018 Issue Actual TPSK-LSPA1-T-EE-00268 Transmittal no. Return Date Owner Cmmt\* EE OL1-2R05-0027 NEUTRAL GROUNDING RESISTOR Purpose\*\* Class 2 Rev. Issue Plan 03/12/2018 Revised Plan Issue Actual 05/12/2018 Transmittal no TPSK-LSPA1-T-EE-00425 Return Date Owner Cmmt\* EE OL1-2R05-0028 TELECOM NUMBER Purpose\*\* IFR Issue Plan 21/01/2019 Revised Plan 21/02/2019 Issue Actual TPSK-LSPA1-T-EE-00905 Transmittal no. Return Date 04/03/2019 Owner Cmmt\* EE OL1-2R05-0029 FUNCTIONAL AND SCHEMATIC DIAGRAM Purpose\*\* Issue Plan 30/01/2019 Revised Plan Issue Actual Transmittal no. TPSK-LSPA1-T-EE-00258 Return Date Owner Cmmt\* EE OL1-2R05-0036 DOCUMENT TEMPLATE Class 2 Purpose\*\* IMP Rev.

ABBREVIATION Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information DOCUMENT NO. LONG SON \*\*Revision Purpose of Issued Document Master Document Index (MDI)

| IFR = Issue For Review | IFA = Issue For Approval | IFC = Issue For Construction | Plant Name: PACKAGE A1: OLEFINS PLANT | IFI = Issue For Information | Plant To OL 1 2000 1000 1000 NM of IFC | IF | Issue For Information | IFI = Issue For Inform A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days Document Name Classification 30/01/2019 Issue Plan Revised Plan Issue Actual 05/12/2018 Transmittal no. TPSK-LSPA1-T-EE-00424 Return Date Owner Cmmt\* EE OL1-2R05-0037 ELECTRICAL HEAT TRACING SYSTEM Purpose\*\* IMP Issue Plan 03/12/2018 Revised Plan Issue Actual 24/09/2018 TPSK-LSPA1-T-EE-0007 Transmittal no Return Date EE OL1-2R05-0038 LOW VOLTAGE BUS DUCT Owner Cmmt\* Purpose\*\* 03/12/2018 Issue Plan Revised Plan 05/11/2018 Issue Actual Transmittal no TPSK-LSPA1-T-EE-00268 Return Date Owner Cmmt\* EE OL1-2R05-0040 MEDIUM VOLTAGE VARIABLE VOLTAGE VARIABLE FF Class 2 Purpose\*\* IMP Issue Plan 03/12/2018 Revised Plan Issue Actual 05/11/2018 TPSK-LSPA1-T-EE-00268 Transmittal no Return Date Owner Cmmt\* EE OL1-2R05-0044 Coordination Procedure For Smartplant Electrical Class Final Purpose\*\* Issue Plan 14/10/2018 Revised Plan Issue Actual 06/08/2018 TPSK-LSPA1-T-EE-00008 Return Date 24/08/2018 Owner Cmmt EE OL1-2R05-0045 Coordination Procedure For ETAP IFI Α Issue Plan Revised Plan 06/08/2018 Issue Actual TPSK-LSPA1-T-EE-00008 Transmittal no 24/08/2018 Owner Cmmt\* A3 Category Code: R06 Instrument Specification (INS) IE OL1-2R06-0001 NSTRUMENT GENERAL DESIGN IFR IMP Purpose\*\* Issue Plan 28/09/2018 02/02/2019 Issue Actual 03/10/2018 17/12/2018 Transmittal no. TPSK-LSPA1-T-IE-00121 TPSK-LSPA1-T-IE-00507 26/12/2018 Return Date 09/10/2018 Owner Cmmt\* IE OL1-2R06-0003 FLOW MEASUREMENT IMP Issue Plan 28/09/2018 Revised Plan 03/10/2018 Issue Actual TPSK-LSPA1-T-IE-00122 Transmittal no Return Date Owner Cmmt\* IE OL1-2R06-0005 LEVEL MEASUREMENT IFR Purpose\*\* Issue Plan 28/09/2018 02/02/2019 Revised Plan Issue Actual Transmittal no. TPSK-LSPA1-T-IE-00121 TPSK-LSPA1-T-IE-00507 Return Date 09/10/2018 26/12/2018 Owner Cmmt\* R1 IE OL1-2R06-0006 PRESSURE MEASUREMENT Purpose\*\* IFR IMP Issue Plan 28/09/2018 02/02/2019 Revised Plan Issue Actual 03/10/2018 17/12/2018 TPSK-LSPA1-T-IE-00121 TPSK-LSPA1-T-IE-00507 Transmittal no. Return Date 09/10/2018 26/12/2018 Owner Cmmt\* IE OL1-2R06-0007 TEMPERATURE MEASUREMENT IFR IMP Purpose\*\* 28/09/2018 Issue Plan 21/12/2018 Revised Plan 03/10/2018 Issue Actual 17/12/2018 Transmittal no TPSK-LSPA1-T-IE-00121 TPSK-LSPA1-T-IE-00507 Return Date 09/10/2018 26/12/2018 Owner Cmmt IE OL1-2R06-0008 FINAL CONTROL ELEMENT Purpose\*\* IFR Α Issue Plan 28/09/2018 Revised Plan 03/10/2018 Issue Actual TPSK-LSPA1-T-IE-00121 Transmittal no Return Date 09/10/2018 Owner Cmmt\* IE OL1-2R06-0010 INSTRUMENT CONSTRUCTION MATERIAL Purpose\*\*

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval
Class 2 = For Review
Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review A1 = App. w/o comments IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days **Document Name** Classification Issue Plan 28/09/2019 Revised Plan Issue Actual 03/10/2018 TPSK-LSPA1-T-IE-00122 Transmittal no Return Date Owner Cmmt\* IE OL1-2R06-0011 INSTRUMENT AIR SUPPLY IMP Purpose\*\* 15/02/2019 28/09/2019 Issue Plan Revised Plan 26/11/2018 Issue Actual TPSK-LSPA1-T-IE-00357 TPSK-LSPA1-T-IE-01014 Return Date 01/02/2019 05/04/2019 Owner Cmmt IE OL1-2R06-0012 GROUNDING SYSTEM FOR INSTRUMENT Purpose\*\* IMP Issue Plan 28/09/2019 Revised Plan 17/12/2018 Issue Actual TPSK-LSPA1-T-IE-00508 Transmittal no. Owner Cmmt\* IE OL1-2R06-0013 MACHINE MONITORING SYSTEM Purpose\*\* IFR IMP A 30/07/2019 Issue Plan 05/03/2020 Revised Plan 19/02/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-IE-00121 TPSK-LSPA1-T-IE-00889 Return Date 09/10/2018 08/03/2019 Owner Cmmt\* R1 IE OL1-2R06-0015 INTEGRATED CONTROL AND SAFETY SYSTEM (ICSS) Purpose\*\* IFR 20/11/2018 Issue Plan Revised Plan Issue Actual 26/11/2018 Transmittal no TPSK-LSPA1-T-IE-0035 01/02/2019 Owner Cmmt\* IE OL1-2R06-0016 INSTRUMENT CABINETS Purpose\*\* IFR IMP Issue Plan 20/11/2018 02/02/2019 Revised Plan 03/10/2018 05/03/2019 Issue Actual Transmittal no Return Date 09/10/2018 Owner Cmmt\* IE OL1-2R06-0017 INTEGRATED TURBINE AND COMPRESSOR CONTROL SYSTEM (ITCC) IFR Purpose\*\* Issue Plan 07/11/2018 02/02/2019 Issue Actual 10/10/2018 17/12/2018 Transmittal no. TPSK-LSPA1-T-IE-00148 TPSK-LSPA1-T-IE-00507 24/10/2018 26/12/2018 Return Date Owner Cmmt\* IE OL1-2R06-0021 PRESSURE SAFETY VALVE IMP Issue Plan 28/09/2018 Revised Plan 03/10/2018 Issue Actual TPSK-LSPA1-T-IE-00122 Transmittal no Return Date Owner Cmmt\* IE OL1-2R06-0022 INSTRUMENT NUMBERING IFR Purpose\*\* Issue Plan 03/10/2018 02/02/2019 Revised Plan Issue Actual Transmittal no. TPSK-LSPA1-T-PE-00131 TPSK-LSPA1-T-IE-01320 Return Date 24/10/2018 Owner Cmmt\* R2 IE OL1-2R06-0023 INSTRUMENT INSPECTION AND TEST PLAN Purpose\*\* IMP Issue Plan 02/02/2019 Revised Plan Issue Actual 03/10/2018 TPSK-LSPA1-T-IE-00122 Transmittal no. Return Date Owner Cmmt\* IE OL1-2R06-0024 JSD FOR SMART PLANT INSTRUMENTATION SET UP IMP Purpose\*\* 03/10/2018 02/02/2019 Issue Plan Revised Plan Issue Actual 28/09/2018 08/11/2018 19/03/2019 Transmittal no Return Date 09/10/2018 01/02/2019 05/04/2019 Owner Cmmt IE OL1-2R06-0035 JSD FOR INSTRUMENTATION AND CONTROL OF PACKAGED EQUIPMENT Purpose\*\* IFR IMP IMP Α 07/11/2018 02/02/2019 Issue Plan Revised Plan 17/09/2018 29/11/2018 11/04/2019 TPSK-LSPA1-T-IE-00056 TPSK-LSPA1-T-IE-00393 TPSK-LSPA1-T-IE-01320 17/09/2018 Issue Actual Transmittal no Return Date 02/10/2018 13/12/2018 Owner Cmmt\* IE OL1-2R06-1025 JSD FOR CTRL & SAFETY PHILOSOPHY Purpose\*\*

ABBREVIATION DOCUMENT NO. \*\*Revision Purpose of Issued Document \*\*\*Classification LONG SON Class 1 = For Approval Class 2 = For Review Class 3 = For Information Master Document Index (MDI) IFR = Issue For Review IFF = Issue For Final
ASB = Issue For As-Built
AFC = Approved for Construction
IMP = Issue for Implementation A1 = App. w/o comments LSP-2W91-0001 A2 = App. with comments, re-submit not required A3 = App. with comments, re-submit for review A4 = Not App., re-submit for approval Plant Name: PACKAGE A1: OLEFINS PLANT Att. To OL1-2W91-0001 036909C-1000-NM-107 IFP = Issue For Planning / Execution CAN = Issue for Cancellation Document Code :

Item Org. Document No. Period for Company's comment Working Days **Document Name** Classification 21/01/2019 Issue Plan Revised Plan Issue Actual 29/01/2019 TPSK-LSPA1-T-IE-00750 Transmittal no. Return Date 27/02/2019 Owner Cmmt\* IE OL1-2R06-1301 PROGRAMMABLE LOGIC CONTROLLER (PLC) IFR IMP Purpose\*\* 07/11/2018 02/02/2019 Issue Plan Revised Plan 08/11/2018 Issue Actual TPSK-LSPA1-T-IE-00291 TPSK-LSPA1-T-IE-01094 Return Date 01/02/2019 05/04/2019 Owner Cmmt IE OL1-2R06-2003 PROCESS ONLINE ANALYZER AND ANALYZER HOUSING Purpose\*\* IFR IMP Α Issue Plan 10/01/2019 10/02/2019 Revised Plan 08/02/2019 13/03/2019 Issue Actual TPSK-LSPA1-T-IE-00825 TPSK-LSPA1-T-IE-01044 Transmittal no. 08/03/2019 Return Date Owner Cmmt\* IE OL1-2R06-3101 CUSTODY TRANSFER SYSTEM Purpose\*\* IFR IMP Issue Plan 20/11/2018 21/01/2019 Revised Plan 26/11/2018 19/03/2019 Issue Actual Transmittal no. TPSK-LSPA1-T-IE-00357 TPSK-LSPA1-T-IE-01094 Return Date 01/02/2019 05/04/2019 Owner Cmmt\* R2 R1 Category Code: R07 Project Specification (SP) ME OL1-2R07-0009 SP-009 Painting for 36M and 132U Furnace Class Final Purpose\*\* IMP Issue Plan Revised Plan Issue Actual 23/10/2018 TPSK-LSPA1-T-ME-00214 Return Date Owner Cmmt\* ME OL1-2R07-0018 Units Of Measurem IMP Class Final Purpose\*\* Issue Plan Revised Plan Issue Actual 24/09/2018 TPSK-LSPA1-T-MF-0008 Transmittal no Return Date 24/10/2018 Owner Cmmt\* ME OL1-2R07-0020 ELETRICAL AND INTRUMENT INTERFACE PHILOSOPH Purpose\*\* IFR IMP Issue Plan 28/09/2018 21/01/2019 Issue Actual 03/10/2018 TPSK-LSPA1-T-IE-00121 TPSK-LSPA1-T-IE-0050 Transmittal no. Return Date 09/10/2018 26/12/2018 Owner Cmmt\* R1 IMP ME OL1-2R07-0026 Project Design Basis Class Final Purpose\*\* Issue Plan Revised Plan 28/09/2018 Issue Actual TPSK-LSPA1-T-ME-00110 Return Date 24/10/2018 Owner Cmmt Category Code: R08 Construction Specification (CON) CON OL1-2R08-0003 INSTRUMENT INSTALLATION Purpose\*\* IMP Issue Plan 28/09/2019 Revised Plan 03/10/2018 Issue Actual TPSK-LSPA1-T-IE-00122 Transmittal no Return Date Owner Cmmt\* Category Code: R91 Index/List
Category Code: R92 Procedures & Standards Category Code: R93 Policy , Guidelines & Memo Category Code: R94 Forms & Templates Category Code: R95 Progress/Status Reports Class 2 Purpose\*\* Category Code: U02 Finance Reports
Category Code: U03 Certification(Finance)
Category Code: U07 Bond and other financial security for Consultancy Service
Category Code: U08 Bond and other financial security for EPC Contractor
Category Code: U09 Bond and other financial security for Vendor/Supplier Issue Plan Revised Plan Issue Actual Transmittal no. Return Date Category Code: U11 Certificates of Insurance Owner Cmmt\* Category Code: U12 Insurance Policies and Guarantees
Category Code: U71 Appraisal Report for Consultancy Service Category Code: U72 Appraisal Report for EPC Contractor Work
Category Code: U73 Appraisal Report for Vendor/Supplier
Category Code: U93 Index/List Category Code: U92 Procedures & Standards Category Code: U93 Policy , Guidelines & Memo Category Code: U94 Forms & Templates Category Code: U95 Progress/Status Reports
Category Code: V04 Interface Matrix (Responsibility Matrix)
Category Code: V71 Appraisal Report for Consultancy Service Category Code: V72 Appraisal Report for EPC Contractor Work

			1	ABBREVIATION										_	
			**Revision Purpose of Issued Document			*Owner Feedback (Comment)				***Clas	a idi a aki a m	DOCUMENT NO.		REV.	
LONG SON	Master Document Index (MDI)		**Revision Purpose of Issued Document  IFR = Issue For Review IFF = Issue For Final							***Classification					
PETROCHEMICALS	Master Document	: inaex (ועוטו)	IFR = Issue For Review	IFF = Issue For Final	A1 :	= App. w/o comments		R1 = No comments R2 = Comments as noted	<u></u>	Class 1 = For Approval		LSP-2W9	1 0001	6	
			IFA = Issue For Approval IFC = Issue For Construction	ASB = Issue For As-Built on AFC = Approved for Cons	AZ :	<ul> <li>App. with comments, re-submit not requi</li> <li>App. with comments, re-submit for review</li> </ul>	ea	R2 = Comments as noted	<u></u>	Class 2 = For Review Class 3 = For Information		LSP-2VVS	71-0001	0	
Ouman Lang Can Diagonahamicala C	20 I td	OLEEINO DLANT		IMD = Jacus for Implemen	Struction A3	- App. with comments, re-submit for review				Class 5 – For information	<u> </u>	Issue Date	10/0	03/19	
Owner. Long Son Pterochemicals C	O., Ltd. Plant Name: PACKAGE A1: C Att. To OL1-2W91-0001 0369	DLEFINS PLANT	IFD = leave For Illionnation	IMP = Issue for Implemen / Execution	itation A4 -	= Not App., re-submit for approval				J		issue Date	19/0	13/19	
Document Code :	Att. 10 OL1-2W91-0001 0308	909C-1000-NW-107	IFD = Issue For Design	CAN = Issue for Cancella	tion		Period for Company's com	ment			Working Days				
			II D = Issue I of Design	OAN - Issue for Caricella	tion		I ellou for company's com	illelit			Working Days				
Item Org. Document No.	Document Name	Classification													
Category Code: V73 Appraisal Report for	r Vendor/Supplier														
Category Code: V91 Index/List														4	
Category Code: V92 Procedures & Stand	larde							_			+			4	
Category Code: V92 Procedures & Stand								_						4	
														4	
Category Code: V94 Forms & Templates														4	
Category Code: V95 Progress/Status Rep														A .	
Category Code: W71 Appraisal Report for														A	
Category Code: W72 Appraisal Report fo	or EPC Contractor Work														
Category Code: W73 Appraisal Report for	or Vendor/Supplier														
Category Code: W91 Index/List														1	
Category Code: W92 Procedures & Stand	dards													1	
Category Code: W93 Policy , Guidelines														4	
Category Code: W94 Forms & Templates														4	
Category Code: W95 Progress/Status Re														4	
														4	
Category Code: X71 Appraisal Report for														4	
Category Code: X72 Appraisal Report for														4	
Category Code: X73 Appraisal Report for	Vendor/Supplier													A .	
Category Code: X91 Index/List															
Category Code: X92 Procedures & Stand	ards														
Category Code: X93 Policy, Guidelines &	& Memo														
Category Code: X94 Forms & Templates														4	
Category Code: X95 Progress/Status Rep														4	
Category Code: Y01 Bidding Guideline			<del> </del>								+			d .	
Category Code: YO2 Bidding Committee	Assignment							_						4	
Category Code: Y03 Bidding Committee	Assignment													4	
														A	
Category Code: Y04 Pre-Qualification Do														4	
Category Code: Y05 List of qualified Bidd														4	
Category Code: Y06 Bidding Evaluation C														A	
Category Code: Y07 Bidding Evaluation C															
Category Code: Y08 Bidding Evaluation C	Criteria for Vendor/Supplier														
Category Code: Y09 Contractor Selection	n Plan														
Category Code: Y13 ITB Structure														1	
Category Code: Y21 Tender or ITB Docur	ment for Consultancy service													1	
Category Code: Y22 Tender or ITB Docur											+			1	
Category Code: Y23 Tender or ITB Docur														4	
Category Code: Y31 Tender or ITB clarific														A	
Category Code: Y32 Tender or ITB clarific														4	
														4	
Category Code: Y33 Tender or ITB clarific														4	
Category Code: Y41 Proposal Document														4	
Category Code: Y42 Proposal Document														4	
Category Code: Y43 Proposal Document														4	
Category Code: Y51 Proposal clarificatio														4	
Category Code: Y52 Proposal clarificatio	n records for EPC Contractor													1	
Category Code: Y53 Proposal clarificatio														4	
Category Code: Y61 Un-Priced Commeri														1	
Category Code: Y62 Priced Commercial														1	
Category Code: Y63 Bid Evaluation Repo														4	
Category Code: Y64 Bid Evaluation Repo														A	
														4	
Category Code: Y65 Nomination of succe														4	
Category Code: Y66 EPC Contract Negoti														4	
Category Code: Y71 Appraisal Report for														4	
Category Code: Y72 Appraisal Report for														4	
Category Code: Y73 Appraisal Report for														4	
Category Code: Y81 Consultancy Service	Bidding Records													1	
Category Code: Y82 EPC Contractor Bidd														4	
Category Code: Y83 Vendor/Supplier Bi														1	
and the second of the second o														J	