Inspection, Assessment, Effects of Operating Practices, Monitoring, and Repair of Coke Drums and Peripheral Components in Delayed Coking Units

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Contents

Page

1 Scope 1

2 Normative References 1

3 Terms, Definitions, and Abbreviations 2
3.1 Terms and Definitions 2
3.2 Abbreviations 3

4 Damage Types and Locations 4
4.1 Commonly Observed Damage 4
4.2 Predicting and/or Modeling Damage 15

5 Effects of Operating Practices on Drum Reliability 16
5.1 General 16
5.2 Effect of Drum Cycle Time 16
5.3 Drum Preheat 16
5.4 Feed Injection Portion of the Operating Cycle 17
5.5 Quench Portion of the Operating Cycle 17
5.6 Manufacture of Fuel Grade Shot Coke 17

6 Inspection and Monitoring of Coke Drums 17
6.1 General 17
6.2 Inspection for Cracks 18
6.3 Inspecting for Bulges 31
6.4 Inspecting for Metal Loss and Cladding Damage 35
6.5 Monitoring for Drum Bending, Tilting, and Lift at the Base 36
6.6 Use of Strain Gauges and Shell Temperature Measurements for Coke Drum Monitoring 40
6.7 Other Areas of Inspection 42
6.8 Frequency of Inspection 42

7 Damage Assessment 46
7.1 Condition Assessment—Fitness for Service 46
7.2 Thermal-Mechanical Loading of Coke Drums 46
7.3 Shell Cracking 47
7.4 Shell Bulging 47
7.5 Corrosion and Erosion 48
7.6 Skirt Cracking and Distortion 49
7.7 Drum Tilting and Bending 49
7.8 Overheating Damage (Fire Damage) 49
7.9 Fatigue Life 50

8 Welding Associated with Repairs 50
8.1 General 50
8.2 Filler Metal Selection 50
8.3 Electrode Baking 53
8.4 Preheating 54
8.5 Postweld Heat Treatment (PWHT) 54
8.6 Controlled Deposition Welding/Temper Bead Welding 57

9 Major Component Replacement in Coke Drums 60
9.1 Replacement of a Section of Cylindrical Shell Using a Single Ring 60

Contents

Page

9.2 Replacement of an Entire Section of the Cylindrical Shell Using Multiple Ring Sections 60
9.3 Replacement of the Skirt and Shell-to-Skirt Connection 60
9.4 Replacement of the Entire Coke Drum 60

10 Smaller Types of Repairs Associated with Coke Drums 60
10.1 General 60
10.2 Repairs of Cladding Defects 61
10.3 Repair of Local Thin Area (LTA) Due to Corrosion 61
10.4 Weld Repairs Made from Inside Surface 62
10.5 Weld Repairs Made from Outside Surface 65
10.6 Weld Repairs Made from Both Sides 66
10.7 Minor Shell Replacements in Coke Drums 67
10.8 Replacing Large Sections of Cylindrical Shell Plates 67
10.9 Skirt Repairs, Retrofits, and Replacement 68
10.10 Repairs and Modifications to Unheading Devices 76
10.11 Repairs to Feed Nozzles 77
10.12 Inspection Insulation Windows 79
10.13 Foundation Repairs 80

11 Life Extension Techniques 90
11.1 General 90
11.2 Temporary Repairs of Cracks 90
11.3 Repairs Designed to Last an Extended Period of Time 90
11.4 Use of Structural Weld Overlay to Extend Life 91

Annex A (informative) Controlled Deposition Welding/Temper Bead Welding Using a SMAW Process and a GMAW Process 97

Annex B (informative) Relevant References on Coke Drums Not Embedded in Document 101

Bibliography 105

Figures

1 Typical Coke Drum Heating and Cooling Cycle 5
2 Overview of Coke Drum Thermal Cycling Damage 6
3 Photo Showing Typical Bulging in Drums Used in Delayed Coking Units 7
4 Cross Section of Circumferential Weld Crack Between the Nickel-Based Restoration Weld and 12Cr Cladding 8
5 Typical Cracking Observed at Skirt-to-Bottom Head Weld 9
6 Keyhole Skirt-to-Bottom Head Weld Cracks 9
7 Coke Drum Bottom Cone Cracks 10
8a Internal Surface Bulge Cracks 11
8b External Surface Bulge Cracks 11
9 Bent Drum in a Delayed Coking Unit 13
10 Corrosion of 12Cr Stainless Cladding in a Coke Drum Upper Section 15
11 VT Examination of a Coke Drum Surface That Displays “Elephant Skin” Cracking 19
12 PT from the Outside Surface Highlighted Cracks in the Vicinity of the Skirt Attachment Weld 19
13 PT from the Outside Surface Displays an Area with “Elephant Skin” Cracking 20

Contents

Page

14 Cracking On the External Surface at an Insulation Clip Displayed by Wet Fluorescent MT 20
15 SWUT from the Outside Surface to Find and Size Cracks Near the Skirt Attachment (Shown as Types “A,” “B,” and “C” Cracks) 21
16 Typical Transducer Arrangement for TOFD Inspection of Welds 22
17 B-Scan Image Obtained by the Application of the TOFD UT Technique Showing the Presence of an Embedded Flaw 23
18 Typical Output for TOFD Inspection of Crack Initiating in the Cladding on the Inside Surface and Propagating Through-Wall 23
19 TOFD Output for Through-Wall Crack in Coke Drum Shell 24
20 TOFD Image from Crack Propagating from the ID Surface 24
21 Beam Forming, Time Delay, and Focusing and Steering Principle Involved with a PAUT Probe 25
22 PAUT Crystal Arrangement Provides an Improved Ability to Detect Crack-Like Flaws Compared with Single Crystal UT 26
23 PAUT for a Type B Crack at a Shell-to-Skirt Attachment; PAUT Transducers Are Placed Both on the Inside and Outside Surface of the Coke Drum 26
24 PAUT of Cracking (Type A) from the Outside Surface on the Coke Drum at the Skirt Attachment 27
25 Optimal Times to Record AE Data in a Typical Operating Cycle for a Two Drum Unit 29
26 Example of Energy vs Time and Temperature Graphs for Quench Half Cycle 30
27 Example of AE Data Displaying Characteristics of Active Flaws (Red Data) 30
28 Example of AE Results Depicting AE Sensor and Skin Thermocouple (TC) Locations Along with Follow-up Areas Provided to the Equipment Owner 31
29 Bulges on the Inside Surface of a Coke Drum Found by Internal VT Examination Are Highlighted Using Oblique Lighting 32
30 Use of a Straight Edge from the ID and OD to Measure Bulging 32
31 Laser Profiling Measurements Show the Growth of Bulging Over Five Years 33
32 Laser Profile Data Are Shown for Five Sets of Measurements in a Vertical Section Comparison and a Polar Plot Comparison 34
33 Laser Profiling Detected a Sharp Deep Distortion at the Middle Course of Two Different Drums 35
34 Video Camera Photos Show Internal Damage in Coke Drum 36
35 Monitoring of Bending/Tilting Progression in Two Coke Drums and Comparison with Site-Defined Acceptable Limits 37
36 Comparison of Tilting and Shortening in a Coke Drum 38
37 Measurements Taken on Two Coke Drums Show Ovalization and the Resulting Lift at the Base Ring 39
38 Dimensions for the Soak Band, Heated Bands, and Thermal Gradient Bands for PWHT of a Drum as Provided in the Guidelines in WRC 452 56
39 Removal of the Cladding as Required for Weld Repairs Made from Inside Surface 62
40 After Welding, the Weld Reinforcement Is Ground Flush with the Inside Side Surface of the Base Metal 63
41 The Cladding Restoration Weld Involves Depositing a Butter Layer on the Cladding Bevel (a), Followed by Depositing Two Layers of Weld Metal (b) over the Entire Area Where the Cladding Has Been Removed 63
42 The Cladding Restoration Weld Is Ground Flush with the Cladding Surface 64
43 Structural Weld Overlays Typically are Tapered into the Cladding 65
44 Typical Geometry for a Weld Repair Made from Both Sides of Coke Drum Wall 67
45 Typical Skirt Attachments (Details May Vary by Licensor or Owner/User) 71
46 Most-Common Locations for Cracking of a Welded Vessel-to-Skirt Attachment 72
47 Skirt Attachment Repair Sequence 73
48 Typical Coke Drum Skirt Keyhole System 74
49 Cracking Initiated at the Slot Keyhole and Propagated Through the Skirt Attachment Weld 74
50 Tongue-and-Groove Skirt Design 75
51 Welded Skirt Retrofitted to a Bracketed Sliding Skirt 76

Contents

Page

52 Typical Insulated Feed Entry into a Drum Bottom Cover 78
53 Typical Insulated Feed Entry into the Side of the Drum Bottom Cover 78
54 Nozzle with Retractable Feed Device in the Retracted Position 79
55 Typical Inspection Insulation Windows Used on Coke Drums 80
56 Internal View and External View of the Drum Cylindrical Section Generated with Laser Mappings 81
57 Base Ring Modifications and Concrete Excavation 81
58 Setting the Jacks and Lifting the Drum 82
59 Grouting Process After Lifting 82
60 Modifications of Base Ring, Including New Gusset Plates and Positioning and Installation of Multiple Flat Jacks 83
61 Grouted to Match Tabletop Surface 83
62 Final Grout Stage 84
63 Completed Installation 84
64 Drawing of Non-Bolted Anchor Blocks 87
65 Inspection and Crack Excavation Performed Prior to Weld Overlay Repairs 93
66 Through-wall Crack Repaired 93
67 Finished Structural Overlay Deposit 94
68 Finished Structural Weld Overlay Geometry 94
A.1 Excavation for a CDW/TBW Repair Should Have an Opening That Is 2.5 Times the Depth 97
A.2 Application of First Layer Using CDW/TBW 98
A.3 Application of Second and Third Layer Using CDW/TBW 98
A.4 Remaining Fill Passes Are Made Using Normal Bead Sequencing 98
A.5 Completed Weld with Crown Ground Off 99

Tables

1 Primary Source of Information or Control Document for General Categories of Information on Coke Drums and Peripheral Components 1
2 Typical On-Stream (Non-Turnaround) Inspection Techniques and Suggested Frequencies for Coke Drums 43
3 Typical Off-Stream (e.g., Turnaround) Inspection Techniques and Suggested Frequencies for Coke Drums 45
4 Typical Filler Metal Choices for Coke Drum Repairs 51
5 Typical Minimum Preheat Temperatures for Coke Drum Repairs 54
6 Requirements for CDW as Stated in API 510, API 582 Annex G, TBW as Stated in NB-23, and TBW as Stated in ASME *Code* Section IX 58
7 Typical Welding Parameters Using a Nickel-Based Consumable 66
A.1 Typical Welding Parameters for the First Three Passes of a CDW/TBW Procedure Using a SMAW Process 97
A.2 Typical Welding Parameters for the First Three Passes of a CDW/TBW Procedure Using a GMAW Process 100

Inspection, Assessment, Effects of Operating Practices, Monitoring, and Repair of Coke Drums and Peripheral Components in Delayed Coking Units

1 Scope

This document includes information on the practices used by industry on the inspection, assessment, effects of operating practices, monitoring, and repair of coke drums and peripheral components in delayed coking units. The information is general and does not reflect specific details associated with a design offered by licensors of delayed coking technology or inspection tools, repair techniques, and/or engineering assessments offered by contractors. For details associated with the design offered by a licensor or services provided by contractors, the licensor or contractor should be consulted for guidance and recommendations for their specific design details, inspection techniques, assessment procedures, and repair practices.

This document is a technical report and as such describes generally used practices in the industry and is not an API Recommended Practice.

The information provided in this document covers coke drums while in service, namely damage types, inspection, damage assessment, operating practices, effects, repairs, and life extension. This document complements information contained in API Technical Report 934-G, *Design and Fabrication of Coke Drums and Peripheral Components in Delayed Coking Units*. Please refer to API 934-G for information on the design, fabrication, and inspection of new coke drums and peripheral components. See Table 1 for a summary of the information categories.

Table 1—Primary Source of Information or Control Document for General Categories of Information on Coke Drums and Peripheral Components

Information Category	Control Document
General information on delayed coking	API 934-G and J
Results of past industry surveys of coke drums	API 934-G
Description of damage types for coke drums	API 934-J
Design	API 934-G
Materials selection	API 934-G
Fabrication	API 934-G
Operating practices	API 934-J
Inspection associated with finding and characterizing damage	API 934-J
Inspection associated with repairs	API 934-J
Damage assessment	API 934-J
Repairs	API 934-J
Welding considerations	API 934-J
Life extension	API 934-J
General information on delayed coking	API 934-G and J
Results of past industry surveys of coke drums	API 934-G
Description of damage types for coke drums	API 934-J
Design	API 934-G

2 Normative References

There are no normative references in this document.