

PART/SECTION	DESCRIBE ERROR	PROPOSED CORRECTION
A/3.3.8.1	<p>There is a missed strikeout in 3.3.8. The number “2013” should be struck out (deleted).</p> <p>3.3.8.1 ASME RTP-1 -2013, <i>Reinforced Thermoset Plastic Corrosion Resistant Equipment</i>, 2013 Edition.</p>	<p>We propose to deleting “-2013”</p> <p>ASME RTP-1 <del>-2013</del>, <i>Reinforced Thermoset Plastic Corrosion Resistant Equipment</i>, 2013 Edition.</p>
A/3.3.8.5	<p>There is a formatting error in 3.3.8.5. “Pipeline Transportation Systems for Liquids and Slurries” should be italicized instead of bolded.</p> <p>3.3.8.5 ASME B31.4, <del>Pipeline Transportation Systems for Liquids and Slurries</del> <b>Pipeline Transportation Systems for Liquids and Slurries</b>. 2012 Edition.</p>	<p>We propose that “Pipeline Transportation Systems for Liquids and Slurries” be italicized.</p> <p>3.3.8.5 ASME B31.4, <i>Pipeline Transportation Systems for Liquids and Slurries</i> <del>Pipeline Transportation Systems for Liquids and Slurries</del>. 2012 Edition.</p>
A/3.4	<p>There is a formatting error in 3.4. A question mark remained after “Incorporate by Reference”</p> <p>“3.4 Incorporation by Reference?”</p>	<p>We propose that “?” be removed.</p> <p>“3.4 Incorporation by Reference”</p>
A/3.4.1	<p>There is a typographical error in 3.4.1. The words “Volume 1,” should be “Volume 2,”</p> <p><u>3.4.1 The Delaware Risk-Based Corrective Action Protocol, Volume 1, dated January, 2023, published by the Department of Natural Resources and Environmental Control, for Petroleum Underground and Aboveground Storage Tank Sites is hereby adopted and incorporated by reference as the Delaware Risk-Based Corrective Action Protocol and is an enforceable part of these Regulations.</u></p>	<p>We propose that “Volume 1,” be struck out (deleted) and “Volume 2,” be underlined (added).</p> <p><u>3.4.1 The Delaware Risk-Based Corrective Action Protocol, Volume 2, dated January, 2023, published by the Department of Natural Resources and Environmental Control, for Petroleum Underground and Aboveground Storage Tank Sites is hereby adopted and incorporated by reference as the Delaware Risk-Based Corrective Action Protocol and is an enforceable part of these Regulations.</u></p>
A/3.4.2	<p>There is a typographical omission in 3.4.3. The words “Volume 2,” should be underlined (added).</p> <p><u>3.4.2 The Hydrogeologic Investigation Guidance, dated January, 2023, published by the Department of Natural Resources and Environmental Control, is hereby adopted and incorporated by reference for the purposes of compliance with Corrective Action requirements established in Part E and is an enforceable part of these Regulations.</u></p>	<p>We propose that “Volume 2,” be underlined (added) before the language “dated January,”</p> <p><u>3.4.2 The Hydrogeologic Investigation Guidance, Volume 2, dated January, 2023, published by the Department of Natural Resources and Environmental Control, is hereby adopted and incorporated by reference for the purposes of compliance with Corrective Action requirements established in Part E and is an enforceable part of these Regulations.</u></p>

PART/SECTION	DESCRIBE ERROR	PROPOSED CORRECTION
A/5.4	<p>There are 3 missed strikeouts in this section and 1 underline (added) number.</p> <p><del>5.3</del> 5.4 Department <del>Response</del> <u>Response</u>.</p> <p><del>5.3.1</del>—The Department shall provide a written response within ninety (90) days to all requests for alternative technology approvals. The written response shall state the Department’s justification for denial, approval, or approval with conditions of the request. If the technology or procedure or a combination of technologies or procedures is approved, the Owner and Operator shall comply with any conditions imposed by the Department on its use to ensure the protection of human health, safety or the environment.</p>	<p>We propose that “ninety (90),” “technology”, and “safety” be struck out (deleted) and the underlined “90” and “safety,” added.</p> <p>5.4 Department <del>Response</del> <u>Response</u>.</p> <p>The Department shall provide a written response within <del>ninety (90)</del> <u>90</u> days to all requests for alternative <del>technology</del> approvals. The written response shall state the Department’s justification for denial, approval, or approval with conditions of the request. If the technology or procedure or a combination of technologies or procedures is approved, the Owner and Operator shall comply with any conditions imposed by the Department on its use to ensure the protection of human health, <del>safety</del> <u>safety</u>, or the environment.</p>
B/2.1.2	<p>There is a formatting error in 2.1. The word “<u>new</u>” should be added.</p> <p>2.1.2 All metallic Field-Constructed ASTs <del>installed after June 11, 2004</del> shall have a suitable foundation capable of supporting the AST full of product or the test media without excessive differential settlement as defined in API 653. The foundation design and construction shall be based on sound engineering practices. The foundation design shall provide positive drainage of water away from the base. ASTs located in areas subject to flooding shall be protected from flotation.</p>	<p>We propose that “new” be added.</p> <p>2.1.2 All <u>new</u> metallic Field-Constructed ASTs <del>installed after June 11, 2004</del> shall have a suitable foundation capable of supporting the AST full of product or the test media without excessive differential settlement as defined in API 653. The foundation design and construction shall be based on sound engineering practices. The foundation design shall provide positive drainage of water away from the base. ASTs located in areas subject to flooding shall be protected from flotation.</p>
B/4.1.6	<p>There is a formatting issue in 4.1.6. The subsection needs to be tabbed in to be even with 4.1.7 below it.</p> <p>4.1.6 All <u>new</u> non-metallic ASTs <del>installed after June 11, 2004</del> shall have secondary containment installed in accordance with PART B, Section 7.0.</p> <p>4.1.7 All <u>new</u> non-metallic ASTs <del>installed after June 11, 2004</del> shall have base line data including:</p>	<p>We propose that subsection 4.1.6 be tabbed in once to be even with 4.1.7 below it.</p>
B/4.1.8	<p>There is a formatting issue in 4.1.8. The words “but not limited to” should be struck (deleted).</p> <p>4.1.8 Installation of all <u>new</u> non-metallic ASTs <del>installed after June 11, 2004</del> constructed for the purpose of storing sulfuric acid, Spent Acid or Spent Caustic or other regulated substances with similar corrosive properties shall be subject to additional design consideration including</p>	<p>We propose that “but not limited to” be struck out.</p> <p>4.1.8 Installation of all <u>new</u> non-metallic ASTs <del>installed after June 11, 2004</del> constructed for the purpose of storing sulfuric acid, Spent Acid or Spent Caustic or other regulated substances with similar corrosive properties shall be subject to additional design consideration including <del>but not limited</del></p>

PART/SECTION	DESCRIBE ERROR	PROPOSED CORRECTION
	but not limited to NACE SP0294, material compatibility, coating requirements and additional non-destructive examination (NDE).	to NACE SP0294, material compatibility, coating requirements and additional non-destructive examination (NDE).
B/4.1.14	<p>There was a formatting issue in 4.1.14. The standards were not included in the section published.</p> <p>4.1.14 The completed installation of all <u>new</u> non-metallic ASTs <del>installed after June 11, 2004</del> shall be inspected in accordance with ASME RTP-1 and the NBIC, Part 3 Supplement 4.</p>	<p>We propose that “Reinforced Thermoset Plastic Corrosion Resistant Equipment” and “Repairs and Alterations,” be added and formatted to be italicized when added.</p> <p>4.1.14 The completed installation of all <u>new</u> non-metallic ASTs <del>installed after June 11, 2004</del> shall be inspected in accordance with ASME RTP-1 <u>Reinforced Thermoset Plastic Corrosion Resistant Equipment</u> and the NBIC, Part 3 <u>Repairs and Alterations</u>, Supplement 4.</p>
B/5.3.5	<p>There is a formatting error in 5.3.5. “...one hundred and eighty (180)” should be struck and “180” should be added.</p> <p>5.3.5 Measurements of AST to soil potential shall be made no sooner than <del>sixty (60)</del> <u>60</u> days and no later than one hundred and eighty (180) days after installation of the Cathodic Protection System in accordance with the requirements of PART C, Section 5.0.</p>	<p>We propose that “one hundred and eighty (180)” be struck out and “180” added.</p> <p>5.3.5 Measurements of AST to soil potential shall be made no sooner than <del>sixty (60)</del> <u>60</u> days and no later than <del>one hundred and eighty (180)</del> <u>180</u> days after installation of the Cathodic Protection System in accordance with the requirements of PART C, Section 5.0.</p>
B/7.1.7	<p>There is a formatting error at the end of subsection 7.1.7 “,”.</p> <p>7.1.7 All regulated substance transfer areas where filling connections are made with vehicles shall be capable of containing and collecting 110% of the volume of the largest compartment of the largest vehicle that may be utilized and preventing a Release for all new ASTs installed and for all ASTs brought into service after the most recent effective date of these Regulations,</p>	<p>We propose that “,” is struck out and “.” underlined.</p> <p>7.1.7 All regulated substance transfer areas where filling connections are made with vehicles shall be capable of containing and collecting 110% of the volume of the largest compartment of the largest vehicle that may be utilized and preventing a Release for all new ASTs installed and for all ASTs brought into service <del>after the most recent effective date of these Regulations,</del></p>
B/9.0	<p>There is a formatting error in 9.0. “for New ASTs” should be struck out (deleted).</p> <p><b>9.0 Leak Detection Requirements for New ASTs</b></p>	<p>We propose that “for New ASTs” be struck out.</p> <p><b>9.0 Leak Detection Requirements for New ASTs</b></p>
B/9.1.3	<p>There is a formatting error in 9.1.3. “operated,” should be added and underlined.</p> <p>9.1.3 Leak detection methods shall be installed, calibrated, tested,</p>	<p>We propose that “operated” be struck out and underlined “operated,” added.</p> <p>9.1.3 Leak detection methods shall be installed, calibrated,</p>

PART/SECTION	DESCRIBE ERROR	PROPOSED CORRECTION
	operated and maintained in accordance with the manufacturer's instructions, including routine maintenance checks for operability to ensure that the device is functioning as designed.	tested, <del>operated</del> <u>operated</u> , and maintained in accordance with the manufacturer's instructions, including routine maintenance checks for operability to ensure that the device is functioning as designed.
B/9.1.7	<p>There is a formatting error in 9.1.7. "but not limited to" should be struck out.</p> <p>9.1.7 Any interstitial spaces, including but not limited to those located in double-walled ASTs, double-walled piping, and double bottoms that are installed as part of a new or an upgraded AST, shall be equipped with interstitial monitoring equipment capable of detecting a discharge of a regulated substance into the interstitial space under all operating conditions.</p>	<p>We propose that "but not limited to" be struck out.</p> <p>9.1.7 Any interstitial spaces, including <del>but not limited to</del> those located in double-walled ASTs, double-walled piping, and double bottoms that are installed as part of a new or an upgraded AST, shall be equipped with interstitial monitoring equipment capable of detecting a discharge of a regulated substance into the interstitial space under all operating conditions.</p>
B/10.2.1.3	<p>There has been a formatting error in 10.2.1.3. "but not limited to" should be struck.</p> <p>10.2.1.3 The AST is determined to be structurally sound in its new location by a Professional Engineer or an inspector certified per the applicable code such as but not limited to, a Certified API 653 Inspector or a Certified STI-SP001 Inspector, or qualified by training and experience in the absence of a code certification process.</p>	<p>We propose that "but not limited to" be struck out.</p> <p>10.2.1.3 The AST is determined to be structurally sound in its new location by a Professional Engineer or an inspector certified per the applicable code such as <del>but not limited to</del>, a Certified API 653 Inspector or a Certified STI-SP001 Inspector, or qualified by training and experience in the absence of a code certification process.</p>
C/5.3.2	<p>There is a formatting error in 5.3.2. "sixty (60)" should be struck out and "60" added.</p> <p>5.3.2 Sacrificial Anode Cathodic Protection Systems that are not operating as required shall be repaired or replaced within sixty (60) days or other schedule approved by the Department, or the AST and underground piping which has the non-operational system shall be drained of its regulated substance and placed out of service in accordance with Part B, Section 13.0 until the Sacrificial Anode Cathodic Protection System is repaired or replaced.</p>	<p>We propose that "sixty (60)" be struck out and "60" underlined (added).</p> <p>5.3.2 Sacrificial Anode Cathodic Protection Systems that are not operating as required shall be repaired or replaced within <del>sixty (60)</del> <u>60</u> days or other schedule approved by the Department, or the AST and underground piping which has the non-operational system shall be drained of its regulated substance and placed out of service in accordance with Part B, Section 13.0 until the Sacrificial Anode Cathodic Protection System is repaired or replaced.</p>
C/6.1.7	<p>There is a formatting error in 6.1.7. "thirty (30)" should be struck out and "30" should be underlined and added.</p>	<p>We propose that "thirty (30)" be struck out and "30" underlined.</p> <p>6.1.7 Any existing metallic field-constructed AST not meeting the</p>

PART/SECTION	DESCRIBE ERROR	PROPOSED CORRECTION
	<p>6.1.7 Any existing metallic field-constructed AST not meeting the material specification requirements of API 650 and API 653 shall be reviewed and analyzed by the appropriate professional engineering disciplines to determine the AST's fitness for service. In no instance shall the review exceed <del>ninety (90)</del> <u>90</u> days. A report shall be written and submitted to the AST Owner and Operator and the Department within thirty (30) days of the conclusion of the review detailing the findings of the review and shall propose a course of action. The Department shall review the report and issue an approval or denial for the continued use of the AST to store a regulated substance, within <del>thirty (30)</del> <u>30</u> days of the Department's receipt of the report.</p>	<p>material specification requirements of API 650 and API 653 shall be reviewed and analyzed by the appropriate professional engineering disciplines to determine the AST's fitness for service. In no instance shall the review exceed <del>ninety (90)</del> <u>90</u> days. A report shall be written and submitted to the AST Owner and Operator and the Department within <del>thirty (30)</del> <u>30</u> days of the conclusion of the review detailing the findings of the review and shall propose a course of action. The Department shall review the report and issue an approval or denial for the continued use of the AST to store a regulated substance, within <del>thirty (30)</del> <u>30</u> days of the Department's receipt of the report.</p>
C/8.1.2.2	<p>There is a formatting error in 8.1.2.2. "Repairs and Alterations," should be underlined and added to the text.</p> <p>8.1.2.2 All exposed surfaces shall be visually examined during external and internal inspections for defects, and mechanical and environmental damage in the liner or the laminate. Classification and acceptance of any defects in the liner or laminate shall be according to Table 1 in NBIC, Part 3, Supplement 4.</p>	<p>We propose that "Repairs and Alterations," be underlined (added).</p> <p>8.1.2.2 All exposed surfaces shall be visually examined during external and internal inspections for defects, and mechanical and environmental damage in the liner or the laminate. Classification and acceptance of any defects in the liner or laminate shall be according to Table 1 in NBIC, Part 3, <u>Repairs and Alterations</u>, Supplement 4.</p>
C/8.1.5.3.4.1	<p>There is a formatting error in 8.1.5.3.4.1. "distortations" should be struck out and "distortions" underlined (added).</p> <p>8.1.5.3.4.1 Shell <del>distortations</del> <u>distortions</u>;</p>	<p>We propose that "distortations" be struck out and "distortions" be underlined (added).</p> <p>8.1.5.3.4.1 Shell <del>distortations</del> <u>distortions</u>;</p>
C/8.1.6.2.1.6	<p>There is a formatting error in 8.1.6.2.1.6. "and" should be underlined (added).</p> <p>8.1.6.2.1.6 Lifting lugs;</p>	<p>We propose that "and" be underlined (added).</p> <p>8.1.6.2.1.6 Lifting lugs; <u>and</u></p>
C/8.1.6.2.5	<p>There is a formatting error in 8.1.6.2.5. "thirty (30)" should be struck out and "30" underlined (added).</p> <p>8.1.6.2.5 If known upsets occur that are outside the AST's designed specifications, then an external inspection shall be performed within thirty (30) days of the upset to ensure the integrity of the AST.</p>	<p>We propose that "thirty (30)" be struck out and "30" be underlined (added).</p> <p>8.1.6.2.5 If known upsets occur that are outside the AST's designed specifications, then an external inspection shall be performed within <del>thirty (30)</del> <u>30</u> days of the upset to ensure the integrity of the AST.</p>

PART/SECTION	DESCRIBE ERROR	PROPOSED CORRECTION
C/8.1.7.2.2	<p>There is a formatting error in 8.1.7.2.2. "but not limited to" should be struck out.</p> <p>8.1.7.2.2 Surfaces shall be dry and clean for the internal inspection. Every effort shall be made to minimize damage to the liner, if the AST is so equipped, during the internal inspection. Defects or damage to look for during the internal inspection shall include but is not limited to the following:</p>	<p>We propose that "but not limited to" be underlined (added).</p> <p>8.1.7.2.2 Surfaces shall be dry and clean for the internal inspection. Every effort shall be made to minimize damage to the liner, if the AST is so equipped, during the internal inspection. Defects or damage to look for during the internal inspection shall include <del>but is not limited to</del> the following:</p>
D/6.1.4	<p>There is a formatting error in 6.1.4. "ten (10)" and "one hundred twenty (120)" should be struck out. "10" and "120" should be underlined (added).</p> <p>6.1.4 If the Department notifies the Guarantor that he no longer meets the requirements of PART D subsection 5.1.1.1, the Guarantor shall notify the Owner and Operator by Verifiable Service within ten (10) days of receiving such notification from the Department. The guarantee will terminate no less than one hundred twenty (120) days after the date the Owner and Operator receives the notification, as evidenced by Verifiable Service. The Owner or Operator shall obtain alternative coverage as specified in PART D, subsection 17.2.</p>	<p>We propose that "ten (10)" and "one hundred twenty (120)" be struck out and "10" and "120" be underlined (added).</p> <p>6.1.4 If the Department notifies the Guarantor that he no longer meets the requirements of PART D subsection 5.1.1.1, the Guarantor shall notify the Owner and Operator by Verifiable Service within <del>ten (10)</del><u>10</u> days of receiving such notification from the Department. The guarantee will terminate no less than <del>one hundred twenty (120)</del><u>120</u> days after the date the Owner and Operator receives the notification, as evidenced by Verifiable Service. The Owner or Operator shall obtain alternative coverage as specified in PART D, subsection 17.2.</p>
E/1.1.2	<p>There is a formatting error in 1.1.2. "Tank Management Section" should be struck out and "Department" underlined (added).</p> <p>1.1.2 A leak of a regulated substance inside secondary containment in any quantity that cannot be cleaned up within <del>(7)</del><u>7</u> days shall be reported to the Tank Management Section as soon as possible, but in no instance shall reporting exceed <del>(7) seven</del><u>7</u> days form the time of discovery. Reporting may be made in person or by telephone or by electronic mail.</p>	<p>We propose that "Tank Management Section" be struck out and "Department" underlined (added).</p> <p>1.1.2 A leak of a regulated substance inside secondary containment in any quantity that cannot be cleaned up within <del>(7)</del><u>7</u> days shall be reported to the <del>Tank Management Section</del><u>Department</u> as soon as possible, but in no instance shall reporting exceed <del>(7) seven</del><u>7</u> days form the time of discovery. Reporting may be made in person or by telephone or by electronic mail.</p>
E/2.1.1.1	<p>There is a formatting error in 2.1.1.1. "but not limited to" should be struck out.</p> <p>2.1.1.1 Stained soils or soils that emit characteristic odors of Regulated substance compounds which are exposed during activities including but not limited to digging, boring or excavation</p>	<p>We propose that "but not limited to" be struck out.</p> <p>2.1.1.1 Stained soils or soils that emit characteristic odors of Regulated substance compounds which are exposed during activities including <del>but not limited to</del> digging, boring or excavation activities, retrofit of ASTs, removal of an AST or collection of soil</p>

PART/SECTION	DESCRIBE ERROR	PROPOSED CORRECTION
	activities, retrofit of ASTs, removal of an AST or collection of soil samples around an AST that is permanently closed In place, or results from an Phase I or Phase II environmental site assessment; or	samples around an AST that is permanently closed In place, or results from an Phase I or Phase II environmental site assessment; or
E/2.1.1.8	<p>There is a formatting error in 2.1.1.8. "Prevention and" and "Section" should be struck out and "Branch" should be underlined (added).</p> <p>2.1.1.8 Notification from the State Emergency Prevention and Response Section or another State or Federal agency of the discovery of a release of uncontained regulated substances or compounds; or</p>	<p>We propose that "Prevention and" and "Section" be struck out; "Branch" be underlined (added).</p> <p>2.1.1.8 Notification from the State Emergency <del>Prevention and Response Section</del> <u>Branch</u> or another State or Federal agency of the discovery of a release of uncontained regulated substances or compounds; or</p>
E/2.2.1.2	<p>There is a formatting error in 2.2.1.2. "Del.C." should be bolded.</p> <p>2.2.1.2 If the phone numbers listed in these Regulations are not valid it is the responsibility of the Owner and Operator to take all reasonable steps to ascertain a valid phone number. <u>The Department's 24-hour Release Hot Line by calling 800-662-8802, when required in accordance with 7 Del.C. Ch. 60 and the Regulations promulgated thereunder as amended.</u></p>	<p>We propose that "Del.C." be bold.</p> <p>2.2.1.2 If the phone numbers listed in these Regulations are not valid it is the responsibility of the Owner and Operator to take all reasonable steps to ascertain a valid phone number. <u>The Department's 24-hour Release Hot Line by calling 800-662-8802, when required in accordance with 7 <b>Del.C.</b> Ch. 60 and the Regulations promulgated thereunder as amended.</u></p>
E/8.0	<p>There is an error in 8.0. "Requirements" should be underlined (added).</p> <p>8.0 No Further Action</p>	<p>We propose that "Requirements" be underlined (added).</p> <p>8.0 No Further Action <u>Requirements</u></p>
E/8.1.1.5	<p>There is a formatting error in 8.1.1.5. "Delaware Board of Registration of Geologists Regulations" should be italicized.</p> <p><u>8.1.1.5 The request for no further action shall be signed by a professional geologist or professional engineer registered in the State of Delaware as required in <b>24 Del.C. Ch. 36</b> and the Delaware Board of Registration of Geologists Regulations and <b>24 Del.C. Ch. 28</b>, when requested by the Department.</u></p>	<p>We propose that "Delaware Board of Registration of Geologists Regulations" be italicized.</p> <p><u>8.1.1.5 The request for no further action shall be signed by a professional geologist or professional engineer registered in the State of Delaware as required in <b>24 Del.C. Ch. 36</b> and the <i>Delaware Board of Registration of Geologists Regulations</i> and <b>24 Del.C. Ch. 28</b>, when requested by the Department.</u></p>