## API Ballot Summary Sheet

**Ballot:** 09-05: 650-533, Nozzle Neck Definition

<table>
<thead>
<tr>
<th>AMS ID: 611</th>
<th>Associate: Roland Goodman</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Coordinator: Valeen Young</td>
</tr>
</tbody>
</table>

### Start Date: 1/24/05  
### Closing Date: 3/14/05

#### Proposal:

### Vote Results

<table>
<thead>
<tr>
<th>Voter</th>
<th>Company</th>
<th>Comments</th>
<th>Affirmative</th>
<th>Negative</th>
<th>Abstain</th>
<th>Did Not Vote</th>
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</thead>
<tbody>
<tr>
<td>134629</td>
<td>Nelson Acosta</td>
<td>HMT Inspection</td>
<td>Yes</td>
<td>X</td>
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<td>131617</td>
<td>Joel Andreani</td>
<td>Equity Engineering Group, Inc., The</td>
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<tr>
<td>38921</td>
<td>Robert Annett</td>
<td>Alyeska Pipeline</td>
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<td>73074</td>
<td>Ronald Bailey</td>
<td>American Tank &amp; Vessel, Inc.</td>
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<td>Mark Baker</td>
<td>Baker Consulting Group, Inc.</td>
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<td>142888</td>
<td>Chris Bashor</td>
<td>Minnesota Pollution Control Agency</td>
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<td>134681</td>
<td>Ernie Blanchard</td>
<td>IMC-Phosphates</td>
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<td>22200</td>
<td>Dan Boley</td>
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<td>133403</td>
<td>Jeffrey DeArmond</td>
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<td>Terry Delong</td>
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<td>135965</td>
<td>Kenneth Erdmann</td>
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<td>David Flight</td>
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<td>134870</td>
<td>Laurence Foster</td>
<td>Marathon Ashland Petroleum LLC</td>
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<td>Pond and Company Inc.</td>
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<td>115033</td>
<td>Alan Geis</td>
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<td>83689</td>
<td>Ty Hagen</td>
<td>Hagen Engineering International, Inc.</td>
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<td>136619</td>
<td>Robert Hendrix</td>
<td>Voridian Engineering &amp; Construction</td>
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<td>70596</td>
<td>Marty Herlevic</td>
<td>James Machine Works, Inc.</td>
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<td>93133</td>
<td>Randy Kissell</td>
<td>TGB Partnership</td>
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<td>81918</td>
<td>Manfred Lengsfeld</td>
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<td>John Lieb</td>
<td>Tank Industry Consultants, Inc.</td>
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<td>136274</td>
<td>Thomas Lorentz</td>
<td>AEC Engineering, Inc.</td>
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<td>135072</td>
<td>Francis Maitland</td>
<td>Quense LLC</td>
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</table>
## API Ballot Summary Sheet

**Ballot:** 09-05: 650-533, Nozzle Neck Definition

**Start Date:** 1/24/05  
**Closing Date:** 3/14/05  
**Associate:** Roland Goodman  
**Coordinator:** Valeen Young  
**AMS ID:** 611

### Proposal:

<table>
<thead>
<tr>
<th>MS ID</th>
<th>Name</th>
<th>Company</th>
<th>Vote</th>
<th>Notes</th>
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<tr>
<td>78399</td>
<td>David Martin</td>
<td>Conservatek Industries, Inc.</td>
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<td>113545</td>
<td>James McBride</td>
<td>Petrex, Inc.</td>
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<td>139045</td>
<td>Craig Meier</td>
<td>ConocoPhillips</td>
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<td>137255</td>
<td>Carl Mikkola</td>
<td>Enbridge Energy Partners, L.P.</td>
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<td>131185</td>
<td>Douglas Miller</td>
<td>Chicago Bridge &amp; Iron Company(CB&amp;I)</td>
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<td>69609</td>
<td>Bhana Mistry</td>
<td>TIW Steel Platework</td>
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<td>83736</td>
<td>John Mooney</td>
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<td>92212</td>
<td>George Morovitch</td>
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<td>136286</td>
<td>Philip Myers</td>
<td>ChevronTexaco Corporation</td>
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<td>132210</td>
<td>David Nasab</td>
<td>Kellogg Brown &amp; Root</td>
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<td>82544</td>
<td>John Oleyar</td>
<td>HMT, Inc.</td>
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<td>5193</td>
<td>Richard Pinegar</td>
<td>Cargill Inc.</td>
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<td>102412</td>
<td>Roy Ralph</td>
<td>Petro-Canada</td>
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<td>135169</td>
<td>Michael Richardson</td>
<td>International Paper</td>
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<td>73744</td>
<td>Bruce Roberts</td>
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<td>101360</td>
<td>Marilyn Shores</td>
<td>Sunoco Logistics</td>
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<td>126019</td>
<td>Larry Speaks</td>
<td>Mass Technology Corporation</td>
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<td>134314</td>
<td>Tearle Taylor</td>
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<td>134325</td>
<td>Donald Thain</td>
<td>Shell Global Solutions (US) Inc.</td>
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<td>145034</td>
<td>Leith Watkins</td>
<td>Explorer Pipeline Company</td>
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<td>145896</td>
<td>Alan Watson</td>
<td>A.R. Watson, USA</td>
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<td>132209</td>
<td>Richard Whipple</td>
<td>Fluor, Inc.</td>
<td>No</td>
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</table>
**API Ballot Summary Sheet**

**Ballot:** 09-05: 650-533, Nozzle Neck Definition

**Start Date:** 1/24/05  
**Closing Date:** 3/14/05

**Associate:** Roland Goodman  
**Coordinator:** Valeen Young

### Balloting Totals:

<table>
<thead>
<tr>
<th></th>
<th>Affirmative</th>
<th>Negative</th>
<th>Abstain</th>
<th>Did Not Vote</th>
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<tbody>
<tr>
<td><strong>Total Responses:</strong></td>
<td>35</td>
<td>2</td>
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<td><strong>Total Ballots:</strong></td>
<td>49</td>
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<tr>
<td><strong>Response Rate:</strong></td>
<td>71%</td>
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<td><strong>Approval Rate:</strong></td>
<td>95%</td>
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<td><strong>Consensus:</strong></td>
<td>YES</td>
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</table>

**Total Responses:** 38  
**Total Ballots:** 49  
**Response Rate:** 71% (Must be > 50%)  
**Approval Rate:** 95% (Must be > 67%)
<table>
<thead>
<tr>
<th>#</th>
<th>Voter/Commenter</th>
<th>Company</th>
<th>Section No. (e.g. 3.1)</th>
<th>Type of comment</th>
<th>Comment (justification for change)</th>
<th>Proposed Change</th>
<th>Comment Resolution</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Bruce Roberts</td>
<td></td>
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<td>Technical</td>
<td>The PIP Merge item may override this as it requires ANSI flanges as the default. Will rectify that whenever this item gets approved.</td>
<td></td>
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<tr>
<td>2</td>
<td>Larry Hiner</td>
<td>Chicago Bridge &amp; Iron Company(CB&amp;I)</td>
<td></td>
<td>Technical</td>
<td>Refer to Doug Miller’s negative comments</td>
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<tr>
<td>3</td>
<td>Domingo de Para</td>
<td>ExxonMobil</td>
<td>3.7.2</td>
<td>Technical</td>
<td>May want to consider modifying as suggested.</td>
<td>An alternative nozzle outboard connection design is permissible...</td>
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<tr>
<td>4</td>
<td>Steven Adolphsen</td>
<td>Morse Construction Group, Inc.</td>
<td>3.7.2</td>
<td>Editorial</td>
<td>positive comment</td>
<td>Section 3.7.2 consistently uses the word “opening”. In the new section 3.7.2.8, I suggest you change the first word “nozzle” to read “opening” or delete the word “nozzle” all together.</td>
<td></td>
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<tr>
<td>5</td>
<td>Douglas Miller</td>
<td>Chicago Bridge &amp; Iron Company(CB&amp;I)</td>
<td>3.7.6.1</td>
<td>Technical</td>
<td>Reinforcement design is covered under 3.7.2 and 3.7.1.8. Size changes to reinforcing are frequently required due to weld spacing requirements due to proximity to other shell fitting or attachments.</td>
<td>Do not change first sentence.</td>
<td>Add &quot;Alternate fitting configurations may be installed in the top shell course when strength and leak tightness can be demonstrated.&quot;</td>
</tr>
<tr>
<td>6</td>
<td>Douglas Miller</td>
<td>Chicago Bridge &amp; Iron Company(CB&amp;I)</td>
<td>3.7.6.1</td>
<td>Technical</td>
<td>Other nozzle details which are designed to be as safe as the standard nozzles should not be excluded in the top shell course. Insert type fittings are many times requested for foam chambers to allow easy access to internal deflectors.</td>
<td></td>
<td>Delete &quot;and reinforcement&quot; from the first sentence.</td>
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<tr>
<td>7</td>
<td>Robert Hendrix</td>
<td>Voridian Engineering &amp; Construction</td>
<td>3.7.6.1</td>
<td>Technical</td>
<td>By adding &quot;reinforcement&quot; here you will add confusion as to what is to be done with reinforcement for welding flanges such as the Long Welding-Neck Flange of Figure 2-3 as permitted by 2.6.1 where the purpose is often to avoid a separate reinforcing plate. Since the primary purpose of this item is to deal with the portion of the connection furthest from the shell, it is better left out here.</td>
<td>Delete &quot;and reinforcement&quot; from the first sentence.</td>
<td></td>
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<tr>
<td>#</td>
<td>Voter/Commenter</td>
<td>Company</td>
<td>Section No. (e.g. 3.1)</td>
<td>Type of comment</td>
<td>Comment (justification for change)</td>
<td>Proposed Change</td>
<td>Comment Resolution</td>
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<td>8</td>
<td>Nelson Acosta</td>
<td>HMT Inspection</td>
<td>3.7.6.1</td>
<td>Editorial</td>
<td>Change the word &quot;their&quot; in the last sentence to &quot;its&quot; as the subject of the sentence is &quot;An alternative connection design&quot; and is singular.</td>
<td></td>
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<tr>
<td>9</td>
<td>Steven Adolphsen</td>
<td>Morse Construction Group, Inc.</td>
<td>3.7.6.1</td>
<td>Editorial</td>
<td>this is a negative comment</td>
<td>It appears that the word changes in 3.7.6.1 have created a conflict. By adding &quot;and reinforcement&quot; and deleting &quot;but other shapes are permitted by 3.7.1.8&quot;, the ONLY option you have permitted for nozzles is reinforcement “per Figures 3-4B,5,6 and Tables 3-6 thru 3-8” (other types of openings in 3.7 are allowed alternative reinforcement described in 3.7.1.8. This is not correct. Please modify your proposed wording in 3.7.6.1 by either deleting &quot;and reinforcement&quot; or adding &quot;but other shapes are permitted by 3.7.1.8&quot; back in to correct this.</td>
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<td>Robert Hendrix</td>
<td>Voridian Engineering &amp; Construction</td>
<td>3.7.6.1</td>
<td>Editorial</td>
<td>We need to state intent in some other form than &quot;You shall do this! You can also do this!&quot; It's just confusing.</td>
<td>Change first sentence - &quot;Shell nozzles and flanges shall conform to Figures 3-4B, 3-5, 3.7 and Tables 3-6 through 3-8 except alternatives to the threaded or flanged ends of the connection that provide equivalent strength, toughness, leak tightness, and utility may be used if the purchaser agrees.</td>
<td></td>
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<td>11</td>
<td>Robert Hendrix</td>
<td>Voridian Engineering &amp; Construction</td>
<td>Proposed New 3.7.2.8</td>
<td>Editorial</td>
<td>The telltale holes in reinforcing plates should not be limited to nozzles.</td>
<td>Replace &quot;Nozzle reinforcing plates...&quot; with &quot;Reinforcing plates for shell openings...&quot;</td>
<td></td>
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</table>