

API Ballot Summary Sheet

11/3/2005

Ballot: 44-05: 653-175, Clarify Evaluation Various Elements of RPS

AMS ID: 733

Start Date: 8/26/05

Closing Date: 10/26/05

Associate: Gordon Robertson

Coordinator: Gordon Robertson

Proposal:

Vote Results

<u>Voter</u>	<u>Company</u>	<u>Comments</u>	<u>Vote Results</u>			
			<u>Affirmative</u>	<u>Negative</u>	<u>Abstain</u>	<u>Did Not Vote</u>
134629	Nelson Acosta	HMT Inspection	Yes	X		
138021	Moraya Al-Gahtani	Saudi Aramco	No	X		
79326	Gregory Alvarado	Equity Engineering Group, Inc., The	No	X		
131617	Joel Andreani	Equity Engineering Group, Inc., The	No	X		
38921	Robert Annett	Alyeska Pipeline	No	X		
73074	Ronald Bailey	American Tank & Vessel, Inc.	No	X		
136219	Mark Baker	Baker Consulting Group, Inc.	No	X		
142888	Chris Bashor	Minnesota Pollution Control Agency	Yes	X		
134681	Ernie Blanchard	MOSAIC	No	X		
109375	Jerry Boldra	SBC Global	No	X		
22200	Dan Boley	DJA Inspection Services	No	X		
135851	David Bryan	Marathon Petroleum Company LLC	No	X		
134782	Steve Caruthers	Tank Consultants, Inc.	No	X		
154212	Gary Cavey	Conservatek Industries, Inc.	No	X		
7127	Earl Crochet	Kinder Morgan	No	X		
150217	Jody Day	Lide Industries, Inc.	No			X
142685	Domingo de Para	ExxonMobil	No	X		
133403	Jeffrey DeArmond	BP p.l.c. Whiting Refinery	No	X		
146748	Terry Delong	Terasen Pipelines (USA) Inc.	No	X		
133429	Robert Dolejs	UOP LLC	No			X
128480	Wayne Elliott	Elliott Services, Inc.	No	X		
135965	Kenneth Erdmann	Matrix Service Company	No	X		
128483	Robert Ferrell	The National Board of Boiler & Pressure	No	X		
133207	John Fiore	FTS, Inc.	No	X		
105011	David Flight	Dow Chemical Company	No			X
134870	Laurence Foster	Marathon Ashland Petroleum LLC	No	X		
134880	John Fumbanks	Pond and Company Inc.	No			X

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133538	Frank Furillo	ExxonMobil Corp.	No	X	
115033	Alan Geis	Colonial Pipeline Company	No	X	
84365	Mark Geisenhoff	Flint Hills Resources	No		X
83689	Ty Hagen	Hagen Engineering International, Inc.	No	X	
133668	Gary Heath	All Tech Inspection	No	X	
136619	Robert Hendrix	Eastman Chemical Co	Yes	X	
70596	Marty Herlevic	James Machine Works, Inc.	No		X
91812	Peter Hunt	Shell Chemical Company	No	X	
89501	N. Jones	Pro-Inspect Inc.	No	X	
93133	Randy Kissell	TGB Partnership	No	X	
26542	Morris Kline	HMT Inspection	No	X	
135705	Owen Konski	Syncrude Canada Ltd.	No		X
75330	Dennis Layman	BP p.l.c.	No	X	
81918	Manfred Lengsfeld		No	X	
135014	John Lieb	Tank Industry Consultants, Inc.	Yes	X	
136274	Thomas Lorentz	AEC Engineering, Inc.	No		X
128476	John Ludman	E.I. Dupont De Nemours & Co.	No	X	
135072	Francis Maitland	Quense LLC	Yes		X
113545	James McBride	Petrex, Inc.	No	X	
138401	John McMillan	Mechanical Integrity Inc.	No	X	
139045	Craig Meier	ConocoPhillips	No		X
137255	Carl Mikkola	Enbridge Energy Partners, L.P.	No	X	
131185	Douglas Miller	Chicago Bridge & Iron Company(CB&I)	Yes	X	
69609	Bhana Mistry	TIW Steel Platework	No	X	
83736	John Mooney		No	X	
92212	George Morovich	TEMCOR	No		X
136286	Philip Myers	Chevron Corporation	No		X
132210	David Nasab	Kellogg Brown & Root	No	X	
140695	Richard Nichols	Roddey Engineering Services, Inc.	Yes	X	
139601	John O'Brien	itcSkills	No	X	
82544	John Oleyar	HMT, Inc.	No	X	

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82270	Robert Pechacek	General Electric Inspection Services, In	No	X	
5193	Richard Pinegar	Cargill Inc.	No		X
102412	Roy Ralph	Petro-Canada	No	X	
10929	John Reynolds	Shell Global Solutions (US) Inc.	Yes	X	
135169	Michael Richardson	International Paper	No	X	
102879	James Riley	Chevron Corporation Energy Technology	No	X	
73744	Bruce Roberts		No	X	
102884	Joe Don Sanders	Lyondell Citgo Refinery	No		X
134414	Roy Schubert	Shell Canada Ltd.	No	X	
138135	Michael Shallis	Longview Inspection, Inc.	No	X	
101360	Marilyn Shores	Sunoco Logistics	Yes	X	
145484	Ryan Sitton	Berwanger, Inc.	No		X
132992	Robert Smallwood	DNV USA	No	X	
78185	Kelly Smith	ConocoPhillips	No	X	
126019	Larry Speaks	Mass Technology Corporation	No	X	
73144	Kenneth Tam		No	X	
134314	Tearle Taylor	Flint Hills Resources	No	X	
134325	Donald Thain	Shell Global Solutions (US) Inc.	No		X
137459	Roland Valdes	Inspection Solutions, LLC	No		X
145034	Leith Watkins	Explorer Pipeline Company	No	X	
145896	Alan Watson	A.R. Watson, USA	No	X	
134558	John Watson	The Dow Chemical Company	No	X	
135619	Steven Wells	Capstone Engineering Services, Inc.	No		X
132209	Richard Whipple	Fluor, Inc.	No	X	

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	<u>Affirmative</u>	<u>Negative</u>	<u>Abstain</u>	<u>Did Not Vote</u>
Balloting Totals:	64	1	2	15

Total Responses:	67			
Total Ballots:	82			
Response Rate :	78%		Must be > 50%	
Approval Rate:	98%		Must be > 67%	
Consensus:	YES			

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134629 Nelson Acosta

HMT Inspection

Specification Section

Type

Comment

Suggested Change

4.4.3

Editorial

In the third sentence, change the term "underside" to "soil-side". In the same sentence, after (RPB) add the word "primary" between "the" and "tank".

In 4.4.3.1, delete "the" between "assess" and "current".

In 4.4.3.3, after "soil," change wording to read "such as under tank bottoms."

In 4.4.3.4, change the term "top side" to "product-side" in the first sentence.

In 4.4.3.5, change the beginning of the first sentence to read "An RPB can be a steel bottom, synthetic material, a clay liner, a concrete pad, or any other barrier or combination of barriers....".

4.4.3With respect to tank bottoms, these include: internal inspection of the tank bottom; leak detection systems and leak testing of the tank; installing cathodic protection for the soil-side of the tank bottom; lining the bottom of the tank interior; providing a Release Prevention Barrier (RPB) under the primary tank bottom; or some combination of these measures, depending on the operating environment and service of the tank.

4.4.3.1 Internal inspection of the tank bottom is intended to assess current bottom integrity....

4.4.3.3 Cathodic protection systems are intended to mitigate corrosion of steel surfaces in contact with soil, such as under tank bottoms.

4.4.3.4 Internal linings and coatings for the product-side of the tank bottom...

4.4.3.5 An RPB can be a steel bottom, synthetic material, a clay liner, a concrete pad, and any other barrier or combination of barriers placed in the bottom....

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142888 Chris Bashor

Minnesota Pollution Control Agency

Specification Section	Type	Comment	Suggested Change
4.4.3.5	Editorial	Three wording suggestions to clarify what RPBs are:	<ol style="list-style-type: none"> 1. delete "steel bottoms"-- according to 650 Appendix I designs, a secondary steel bottom alone is not an effective RPB, a synthetic liner is needed in a double bottom design. 2. "synthetic liners" instead of "synthetic materials", for parallel construction with clay liners. 3. delete "in the bottom of or" -- I'm not sure how an RPB could be in the bottom of a tank and this might be confused with internal floor linings.
4.4.3.5, second para.	Technical	To assist with the RPS evaluation when a floor is replaced, I believe that API could support a "general position" of installing an RPB. This would be the same wording that now exists in 650 Appendix I for new construction, and would likewise not be mandatory but would serve to encourage owners to give this serious consideration. Some factors may be different from a new tank, but many are the same, with similar cost-timing advantages.	First sentence: "If a decision is made to replace an existing bottom, API supports a general position of installing an RPB."

136619 Robert Hendrix

Eastman Chemical Co

Specification Section	Type	Comment	Suggested Change
4.4.3.5	Editorial	When Appendix S is published, will not the term "steel bottom" be somewhat obsolete?	Replace "steel bottom" with "double bottom" or other appropriate term.

135014 John Lieb

Tank Industry Consultants, Inc.

Specification Section	Type	Comment	Suggested Change
4.4.3.3	Technical	Cathodic protection systems may be internal of externa. Suggest 4.4.3.3 be clarified to refer to external c.p. systems.	Add "External" before the first appearance of "Cathodic protection systems..." in section 4.4.3.3.

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135072 Francis Maitland

Quense LLC

Specification Section

Type

Comment

Suggested Change

Technical I fail to see how a cathodic protection system can be used as a Release Prevention System. It does help to make the bottom life longer, but it does not detect a release or stop a release from getting into the environment.

Delete Cathodic Protection from the section on RPS.

131185 Douglas Miller

Chicago Bridge & Iron Company(CB&I)

Specification Section

Type

Comment

Suggested Change

4.4.3 Editorial Is it accurate to say that RPS refers “to the suite of API standards and recommended practices”? The list that follows this statement is a list of topics not a list of API documents.

4.4.3 Editorial 4.4.3 “lining the bottom of the tank interior” does not sound right.

4.4.3.5 Editorial The last sentence of the first paragraph of this section (“Replacement of tank bottoms is covered in 9.10.2.”) seems to fit better at the end of the second paragraph. That way comments about replacement of tank bottom are together.

Suggest “lining the topside of the tank bottom”. This matches the wording used in 4.4.3.4

140695 Richard Nichols

Roddey Engineering Services, Inc.

Specification Section

Type

Comment

Suggested Change

4.4.3.4 Editorial Consider changing "top side of the bottom" to "product side of the bottom" (reference RBI comments in Section 6 where "product side" is used).

See above

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10929 John Reynolds

Shell Global Solutions (US) Inc.

Specification Section

Type

Comment

Suggested Change

4.4.3

Technical

I don't have my copy of 653 with me at the moment, so I will assume that this change is in fact "neutral" impact and that it is just editorial rewording. If in fact any requirements are be changed, then my vote should be changed to negative until I find out what is being actually changed.

101360 Marilyn Shores

Sunoco Logistics

Specification Section

Type

Comment

Suggested Change

4.4.3.1

Editorial

After the new wording is incorporated and the paragraphs renumbered, the referenced paragraph here will be 4.4.4 rather than 4.4.6.

Just a cautionary note to this affect should be added to the note at the bottom of the ballot.

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